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Initiating Event Rates at U.S. Nuclear Power Plants

1988–2017

Nancy Johnson
Zhegang Ma
John A. Schroeder

July 2018

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Nancy Johnson
Zhegang Ma
John A. Schroeder

Update Completed July 2018

Idaho National Laboratory
Risk Assessment and Management Services Department
Idaho Falls, Idaho 83415

http://www.inl.gov

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ABSTRACT

Analyzing initiating event rates is important because it indicates performance among plants and also provides inputs to several U.S. Nuclear Regulatory Commission (NRC) risk-informed regulatory activities. This report presents an analysis of initiating event frequencies at U.S. commercial nuclear power plants from calendar year 1988 through 2017 as reported in licensee event reports. Engineers with nuclear power plant experience reviewed each event report since the last update to this report to categorize and characterize reactor trips. To be included in the study, an event had to meet all of the following criteria: (1) the event includes an unplanned reactor trip (not a scheduled reactor trip on the daily operations schedule), (2) the sequence of events started when reactor is critical and at or above the point of adding heat, (3) the event occurred at a U.S. commercial nuclear power plant (excluding Fort St. Vrain and LaCrosse), and (4) the event was reported by a licensee event report.

Sixteen initiating event groupings are trended and displayed. For some of the categories as relevant initiators are plotted separately for boiling water reactors (BWR) and pressurized water reactors (PWR). P-values are given for the possible presence of a trend over the most recent 10 years. Statistically significant and highly statistically significant decreasing trends were identified for BWR stuck open stuck open safety relief valve (SRV) (p-value = 0.033) and PWR general transients (p-value = 0.006), respectively.

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ACRONYMS

BWR	boiling water reactor
HOPE	Handbook of Parameter Estimation
INL	Idaho National Laboratory
LER	licensee event report
LOOP	loss of offsite power
NRC	Nuclear Regulatory Commission
PWR	pressurized water reactor

Initiating Event Rates at U.S. Nuclear Power Plants
1988–2017

1. INTRODUCTION

An initiating event is an unplanned event that occurs while a nuclear power plant is in critical operation and requires that plant to shut down to achieve a stable state. Analyzing initiating event rates is important because it indicates performance among plants and also provides inputs to several U.S. Nuclear Regulatory Commission (NRC) risk-informed regulatory activities (such as plant inspections of risk-important systems) It also supports NRC staff technical reviews of proposed license amendments, including risk-informed applications. The objectives of the initiating event study are to

- Provide revised, historical frequencies for the occurrence of initiating events in U.S. nuclear power plants
- Review the operating data from an engineering perspective to determine trends and patterns of plant performance for specific plants, plant types [i.e., pressurized water reactor (PWR) or boiling water reactor (BWR)], and the industry.

This report presents an analysis of initiating event frequencies at U.S. commercial nuclear power plants. The evaluation is based on the operating experience from calendar years 1988 through 2017, as reported in licensee event reports (LERs). This is the most recent update to NUREG/CR-5750 (Poloski & et al, 1999), updating data, frequency estimates, trends, and figures.

To determine initiating event rates, engineers with nuclear power plant experience reviewed each LER since the last update to this report to categorize and characterize reactor trips. To be included in this study, an event had to meet all of the following criteria:

- Sequence of events starts when reactor is critical and at or above the point of adding heat
- Includes an unplanned reactor trip, which is defined as a non-scheduled reactor trip on the daily operations schedule
- The events occurs at a U.S. commercial nuclear power plant (excluding Fort St. Vrain and LaCrosse)
- Is reported in an LER.

Each unplanned reactor trip event was then reviewed for the following information:

- All occurrences of risk-significant events in the reactor trip sequence that could impact the ability to remove reactor decay heat. These are called functional impacts.
- The initiator or first event in the sequence of events that caused or led to the automatic, or manual reactor trip. This condition is called the initial plant fault.
- The events are marked according to whether the trip was automatic or manual.
- For the purposes of this report, the functional impact data are reported and trended. Note that a single event may appear in more than one category. Initiating events with no specific functional impact are listed in the "General Transients" category.

2. BASELINE FREQUENCIES

For each of the initiating events categories, a baseline period during which the initiating event frequencies are approximately constant was identified. New baseline periods were last adopted in the 2016 edition of this report (Johnson & Schroeder, 2017) with the baseline period ending in 2015.[a] These same baseline periods are used again in the present report. All baseline periods end in 2015 but have different starting years, according to how long the frequencies appear to have been stable and how many years are necessary to achieve a reasonable sample size.

The baseline periods for the sparse initiators are longer than would normally be desirable, 25 years or more in six cases, in an effort to include sufficiently many events during the baseline period. Rates based on experience in the 1980s and early 1990s are likely to be conservative, as plants made large strides in increasing uptime and decreasing unplanned shut down during that time.

Table 1 summarizes the updated baseline data. For each initiator frequency, the table lists the total number of events and reactor critical years[b], the representative baseline period industry gamma distributions, and the upper prediction limit[c] (Eide & et al, 2007) associated with the current update year.

A gamma distribution is sought based on plant-to-plant variability and is computed using the Empirical Bayes method (Atwood & et al, 2002) where possible. If the Empirical Bayes method fails to find finite parameter that maximize the likelihood the population is treated as homogeneous, and the occurrence rate distribution is computed using a Jeffrey's noninformative prior.

The prediction limits for the number of events that might occur in a future year or the update year are computed from the discrete predictive distribution (gamma-Poisson) that describes the number of events that would be expected in that update year based on the number of baseline period events, the occurrence time in the baseline period, and the assumed exposure time in the update year. They assume that the occurrences are following a constant rate for the baseline period and for future years. Comparing future data with those bounds helps to determine whether the data are changing.

For each baseline period, maximum likelihood estimate (MLE) is the total event count (summed over the calendar years in the baseline period), divided by the corresponding sum of reactor critical years. The MLE is plotted for each occurrence rate in each calendar year and is calculated as the total number of events divided by the total number of reactor critical years. The plotted vertical limits in each year are simple 5_{th} and 95_{th} percent confidence bounds, based on assuming the events occur according to Poisson distributions in each year.

3. TRENDS

Table 2 summarizes the initiating event data for the entire study period (1988-2017), the most recent 10 years (2008-2017), and the current update year (2017). Event counts and reactor critical years are given. For the most recent 10 years, the table provides a p-value for a test of the significance of the trend

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a. Note that these baseline frequencies represent the NRC less-frequent industry average parameter estimation results. The NRC also conducts annual LOOP update analysis. The LOOP frequency distribution results from the annual report, e.g., (Johnson, Ma, & Schroeder, 2018), include more recent LOOP data and could be used to update the LOOP initiating event frequency in PRA model if one chooses to.
b. A reactor critical year (rcry) is 8760 hours of critical operation for one reactor.
c. The prediction limit is the smallest number of future events such that the probability of seeing future counts as large or larger than the selected number is less than or equal to 0.05. A full discussion can be found in NUREG/CR-6932, Section B.2.

for each initiator. For the most recent year, the table also gives a comparison of the observed count and the prediction limits from Table 1.

The plots that follow Table 2 show the event occurrence rate trends from the most recent 10 years. The baseline period mean and the current year prediction limit bounds are marked. The vertical bounds for each year's occurrence rate represent the ninety percent confidence bounds on the estimate. Tables of data and the LERs associated with the events and data are provided in Appendix A.

A statistically significant[d] decreasing trend is identified for BWR stuck open stuck open safety relief valve (SRV) (p-value = 0.033) and can be observed in Figure 9. A highly statistically significant decreasing trend is identified for PWR general transients (p-value = 0.006) is identified and can be viewed in Figure 16.

d Statistical significance is defined in terms of the 'p-value.' A p-value is a probability indicating whether to accept or reject the null hypothesis that there is no trend in the data. P-values of less than or equal to 0.05 indicate that we are 95% confident that there is a trend in the data (reject the null hypothesis of no trend.) By convention, we use the "Michelin Guide" scale: p-value < 0.05 (statistically significant), p-value < 0.01 (highly statistically significant); p-value < 0.001 (extremely statistically significant).

Table 1. Baseline initiating event periods, prediction limits, and frequencies.

Initiating Event Category	Figure No.	Baseline Period (ending 2015) (CY)			Industry Gamma Distribution					Prediction Limit (PL)		
		Start	Number of Events	Reactor Critical Years	Test of Homo-geneity[a]	Type[b]	Mean	α	β	Period Length (future year)	95% Event Count Limit	95% Rate
Loss of Offsite Power	Figure 1	2009	25	647.53	0.16	EB/PL	3.85E-02	0.97	25.19	91.87	13	1.42E-01
Loss of Vital AC Bus	Figure 2	1992	12	2179.98	0.34	NI	5.73E-03	12.5	2179.9	91.87	4	3.27E-02
Loss of Vital DC Bus	Figure 3	1988	2	2496.38	0.64	NI	1.00E-03	2.5	2496.3	91.87	2	2.18E-02
Very Small LOCA	Figure 4	1992	2	2179.98	0.42	NI	1.15E-03	2.5	2179.9	91.87	2	2.18E-02
Partial Loss of CCW	Figure 5	1988	4	2496.38	0.17	NI	1.80E-03	4.5	2496.3	91.87	2	2.18E-02
Loss of Feedwater	Figure 6	2006	26	933.46	0.68	EB/PL	2.80E-02	1.16	41.37	91.87	9	9.80E-02
Partial Loss of Service Water	Figure 7	1988	4	2496.38	0.08	NI	1.80E-03	4.5	2496.3	91.87	2	2.18E-02
BWR Loss of Instrument Air	Figure 8	1991	5	761.22	0.36	NI	7.23E-03	5.5	761.2	32.14	2	6.22E-02
BWR Stuck Open SRV	Figure 9	1994	7	682.90	0.92	EB/PL	1.02E-03	1.74	169.9	32.14	3	9.34E-02
BWR Loss of Heat Sink	Figure 10	2009	10	226.23	0.45	NI	4.64E-02	10.5	226.2	32.14	5	1.56E-01
BWR General Transients	Figure 11	2010	235	355.04	0.66	EB/PL	5.80E-01	1.83	3.16	32.14	48	1.49E+00
PWR Loss of Instrument Air	Figure 12	1997	9	1153.49	0.72	EB/PL	7.90E-03	0.26	33.14	59.73	4	6.70E-02
PWR Steam Generator Tube Rupture	Figure 13	1991	2	1502.70	0.16	NI	1.66E-03	2.5	1502.7	59.73	2	3.35E-02
PWR Stuck Open SRV	Figure 14	1988	2	1662.69	0.23	NI	1.50E-03	2.5	1662.6	59.73	2	3.35E-02
PWR Loss of Heat Sink	Figure 15	2008	13	483.81	0.43	EB/PL	2.71E-02	0.95	34.14	59.73	7	1.17E-01
PWR General Transients	Figure 16	2011	174	296.72	0.90	EB/PL	5.91E-01	3.43	5.80	59.73	74	1.24E+00

a. For each initiator, the homogeneity test compares the observed chi-square statistic with simulated chi-square statistics from samples for which the observed number of counts are randomly (homogeneously) allocated to the years in a baseline period in proportion to their reactor critical years. The p-value is the proportion of the samples having as large or larger chi-square statistics. Small p-values (<=0.05, for example) show statistically significant differences between years. The test does not require a large number of events.

b. This column indicates the method of obtaining the Gamma distribution. EB/yr indicates that the Empirical Bayes method was used and the yearly data are the source of the variability. EB/PL indicates that the Empirical Bayes method was used and the plant to plant data are the source of the variability. NI means that the Jeffery's non-informative prior was used to obtain a distribution (this generally means that the data were sparse or that there is no variability in the data).

Table 2. Current initiating event data and trend summary.

		All Data (since 1988) (Calendar Year)		Most Recent 10 Years			Update Year (CY 2017)				
Initiating Event Category	**Figure Number**	**Number of Events**	**Reactor Critical Years**	**Number of Events**	**Reactor Critical Years**	**Trend (p-value)**	**Number of Events**	**Reactor Critical Years**	**Frequency (MLE)**	**95% Prediction Limit Event Count**	**Count Compared with Prediction Limit**
Loss of offsite power	Figure 1	89	2680.42	30	927.01	0.523	2	91.87	2.18E-02	13	Lower
Loss of vital AC bus	Figure 2	14	2680.42	4	927.01	0.882	1	91.87	1.09E-02	4	Lower
Loss of vital DC bus	Figure 3	2	2680.42	1	927.01	0.606	0	91.87	0.00E+00	2	Lower
Very small LOCA	Figure 4	5	2680.42	0	927.01	1.000	0	91.87	0.00E+00	2	Lower
Partial loss of CCW	Figure 5	4	2680.42	1	927.01	0.371	0	91.87	0.00E+00	2	Lower
Loss of feedwater	Figure 6	209	2680.42	20	927.01	0.520	1	91.87	1.09E-02	9	Lower
Partial loss of service water	Figure 7	4	2680.42	0	927.01	1.000	0	91.87	0.00E+00	2	Lower
BWR loss of instrument air	Figure 8	14	897.64	2	323.09	0.195	1	32.14	3.11E-02	2	Lower
BWR stuck open SRV	Figure 9	15	897.64	1	323.09	0.033	0	32.14	0.00E+00	3	Lower
BWR loss of heat sink	Figure 10	155	897.64	16	323.09	0.775	0	32.14	0.00E+00	5	Lower
BWR general transients	Figure 11	966	897.64	190	323.09	0.108	15	32.14	4.67E-01	48	Lower
PWR loss of instrument air	Figure 12	17	1782.81	3	603.92	0.785	0	59.73	0.00E+00	4	Lower
PWR steam generator tube rupture	Figure 13	3	1782.81	0	603.92	1.000	0	59.73	0.00E+00	2	Lower
PWR stuck open SRV	Figure 14	2	1782.81	0	603.92	1.000	0	59.73	0.00E+00	2	Lower
PWR loss of heat sink	Figure 15	115	1782.81	16	603.92	0.327	0	59.73	0.00E+00	7	Lower
PWR general transients	Figure 16	1847	1782.81	353	603.92	0.006	16	59.73	2.68E-01	74	Lower

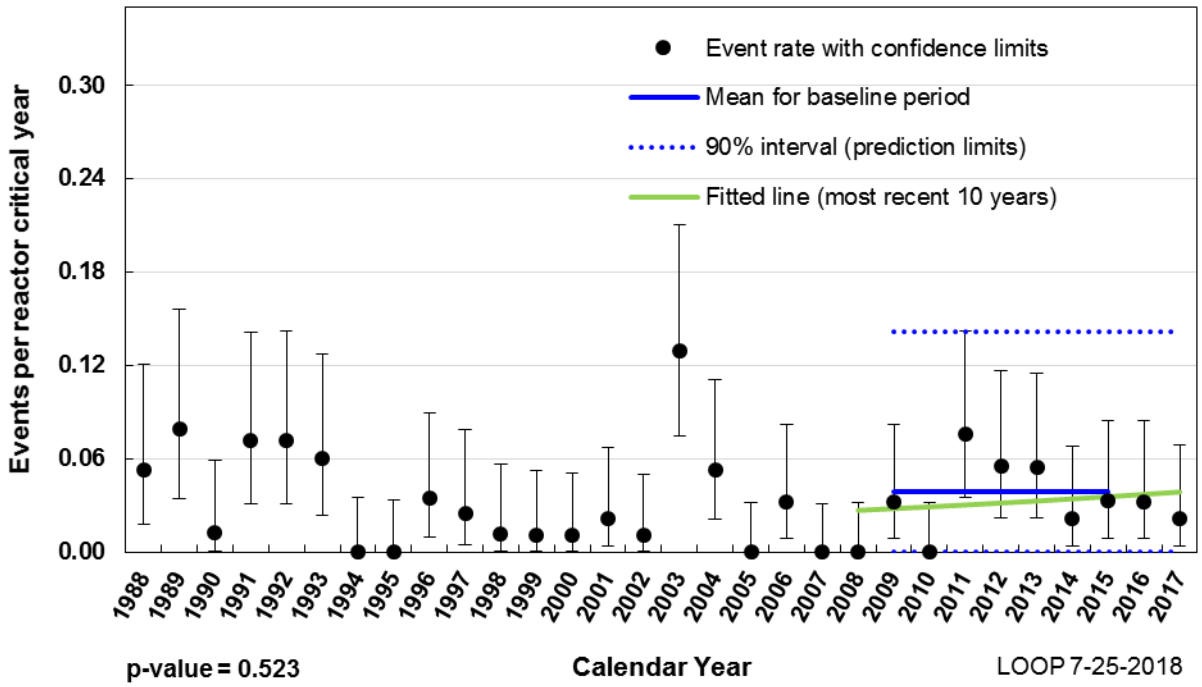

Figure 1. Loss of offsite power initiating event frequency.

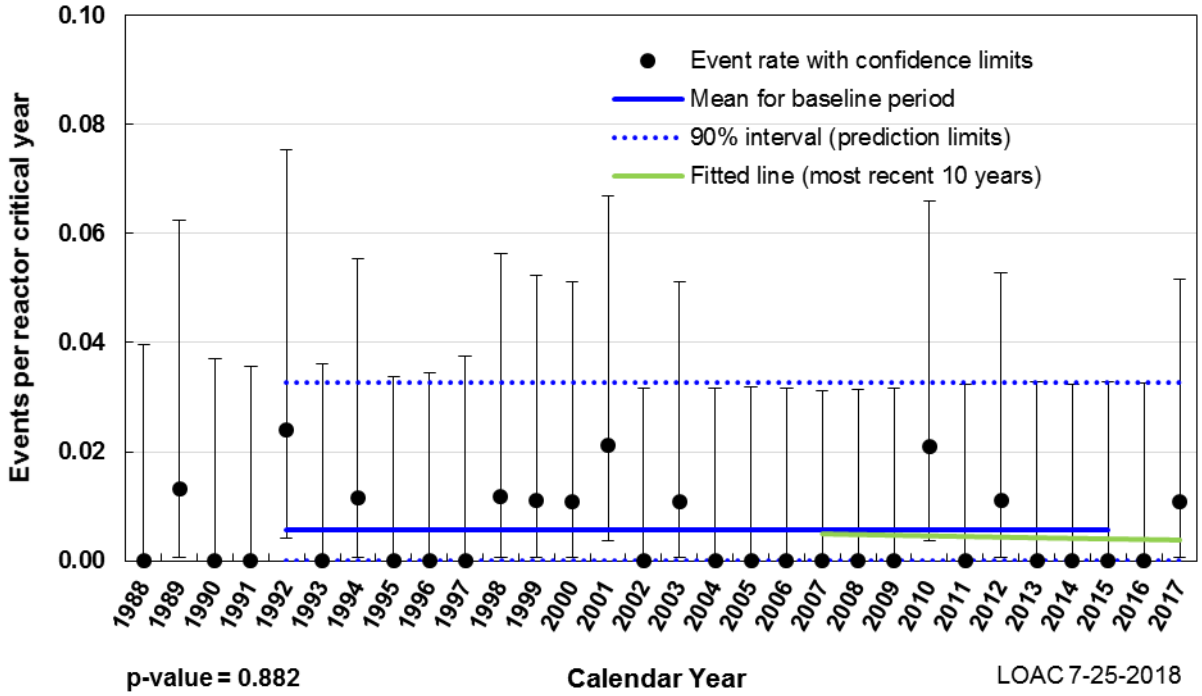

Figure 2. Loss of vital AC bus initiating event frequency.

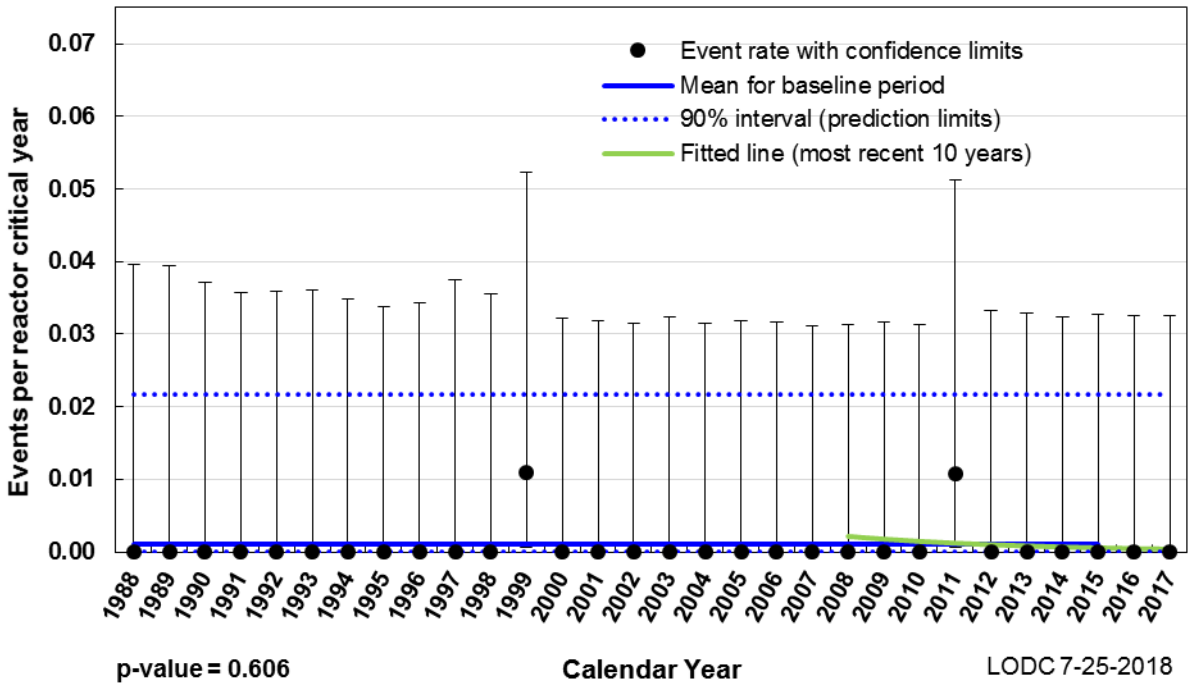

Figure 3. Loss of vital DC bus initiating event frequency.

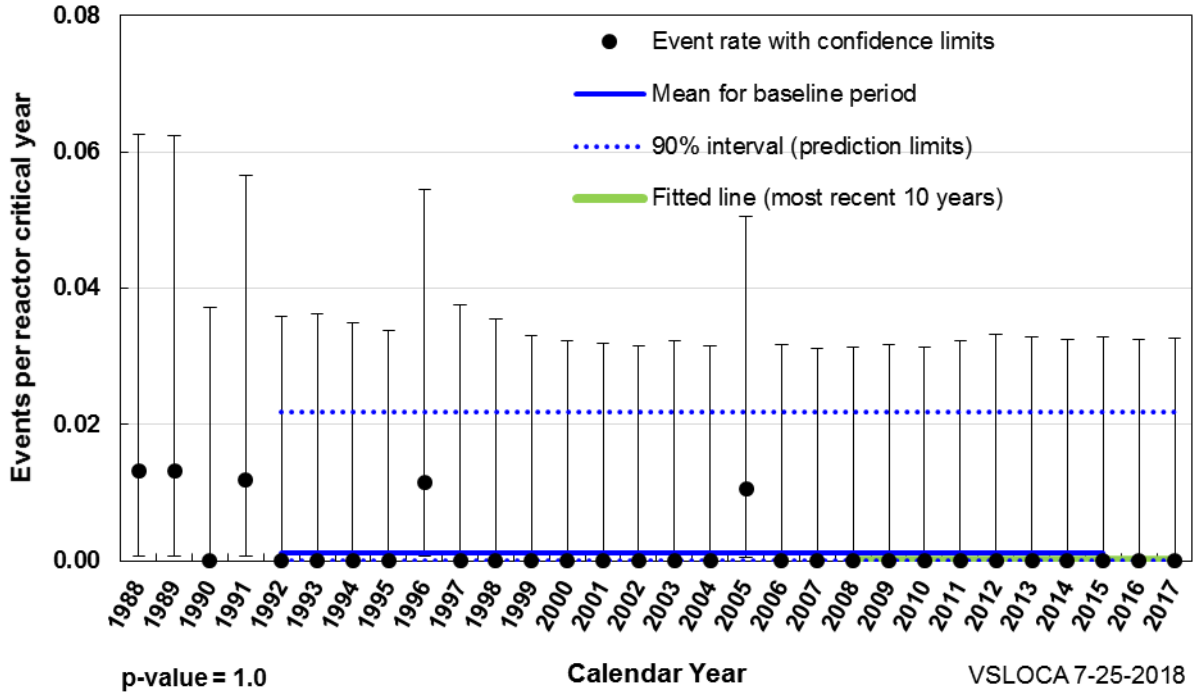

Figure 4. Very small loss of coolant accident initiating event frequency.

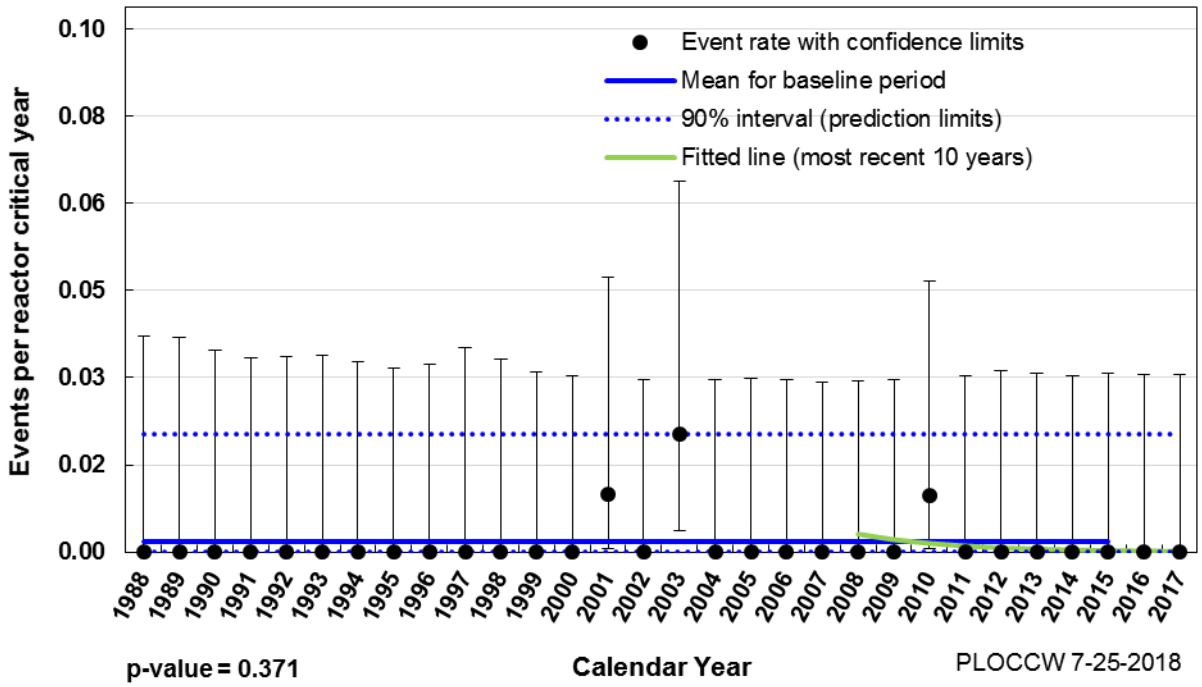

Figure 5. Partial loss of component cooling water initiating event frequency.

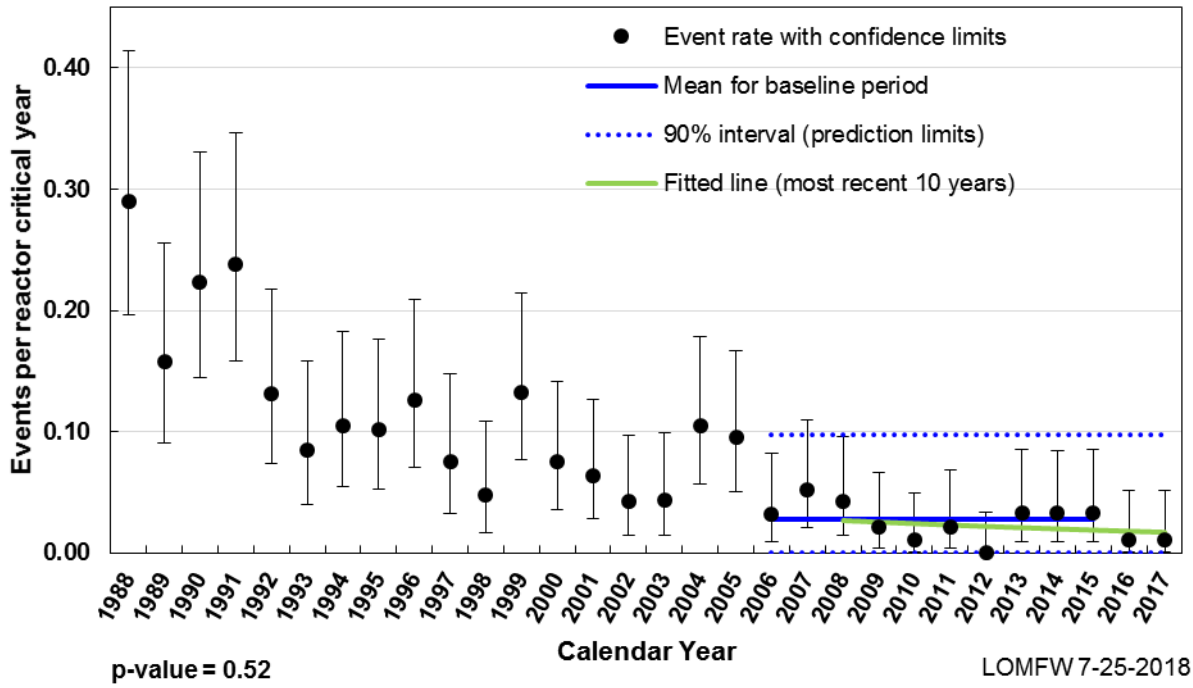

Figure 6. Loss of main feedwater initiating event frequency.

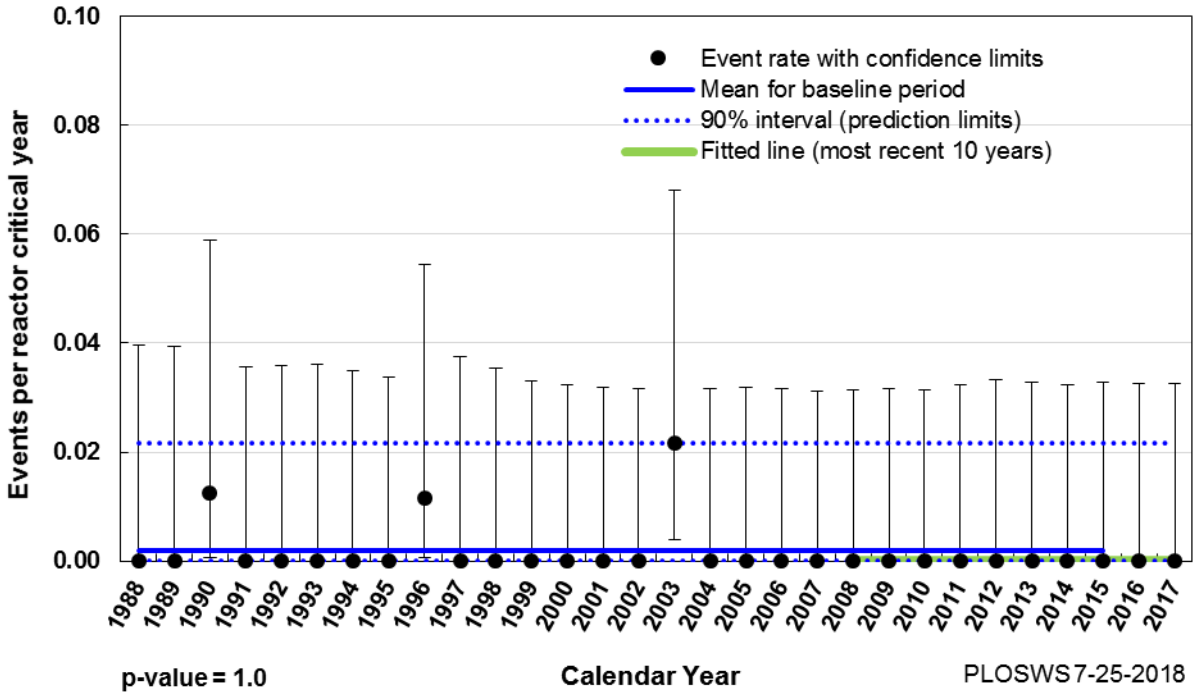

Figure 7. Partial loss of service water initiating event frequency.

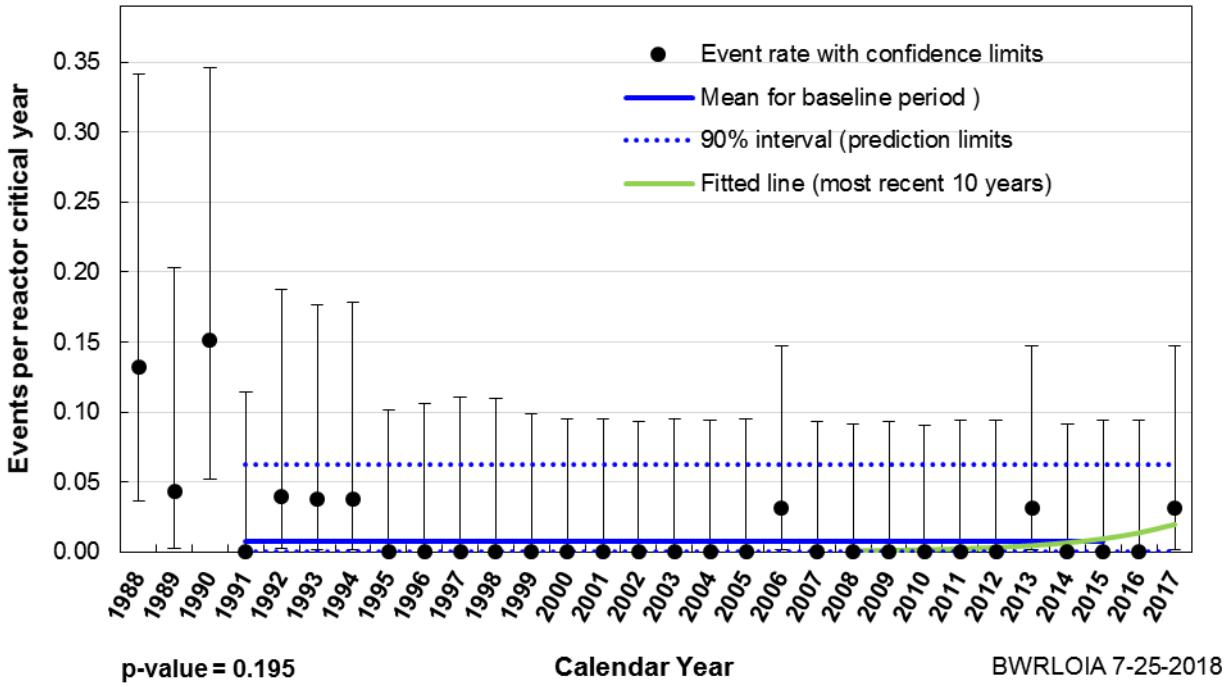

Figure 8. BWR loss of instrument air initiating event frequency.

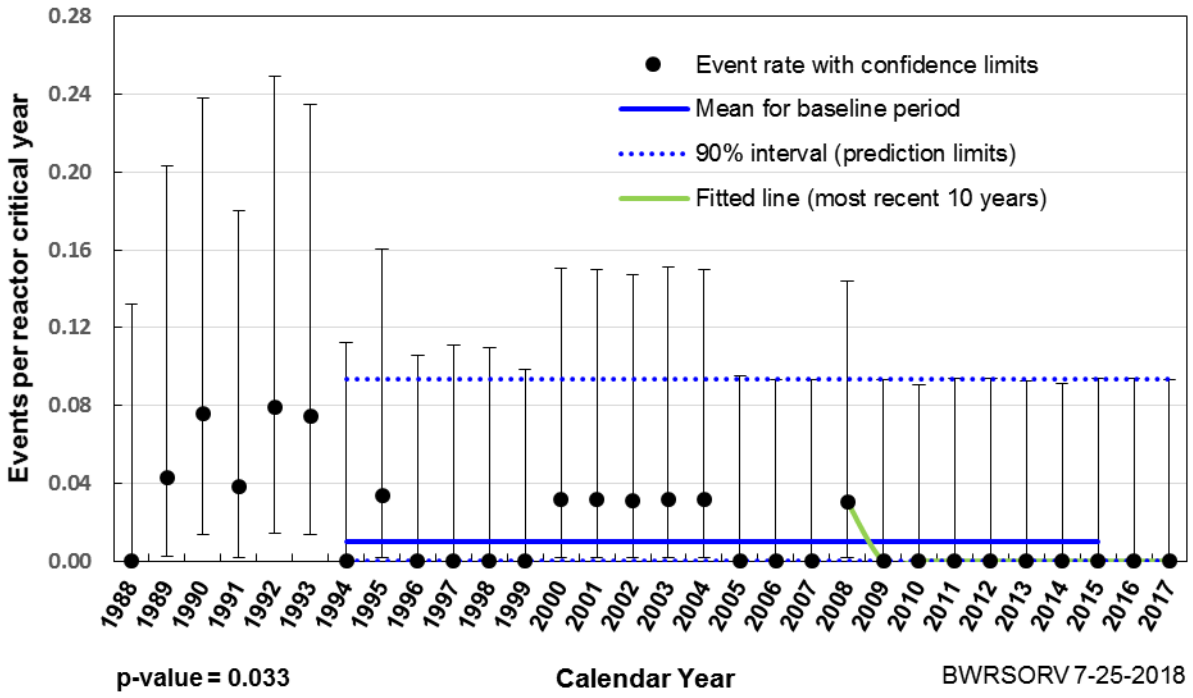

Figure 9. BWR stuck open safety relief valve initiating event frequency.

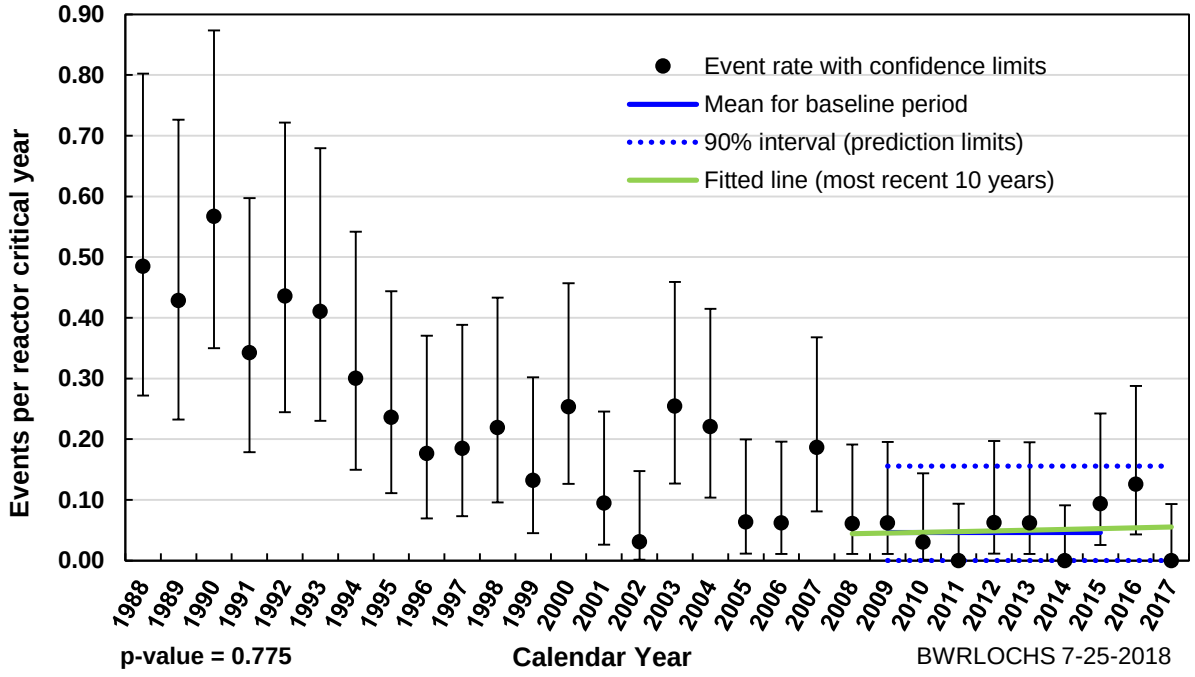

Figure 10. BWR loss of condenser heat sink initiating event frequency.

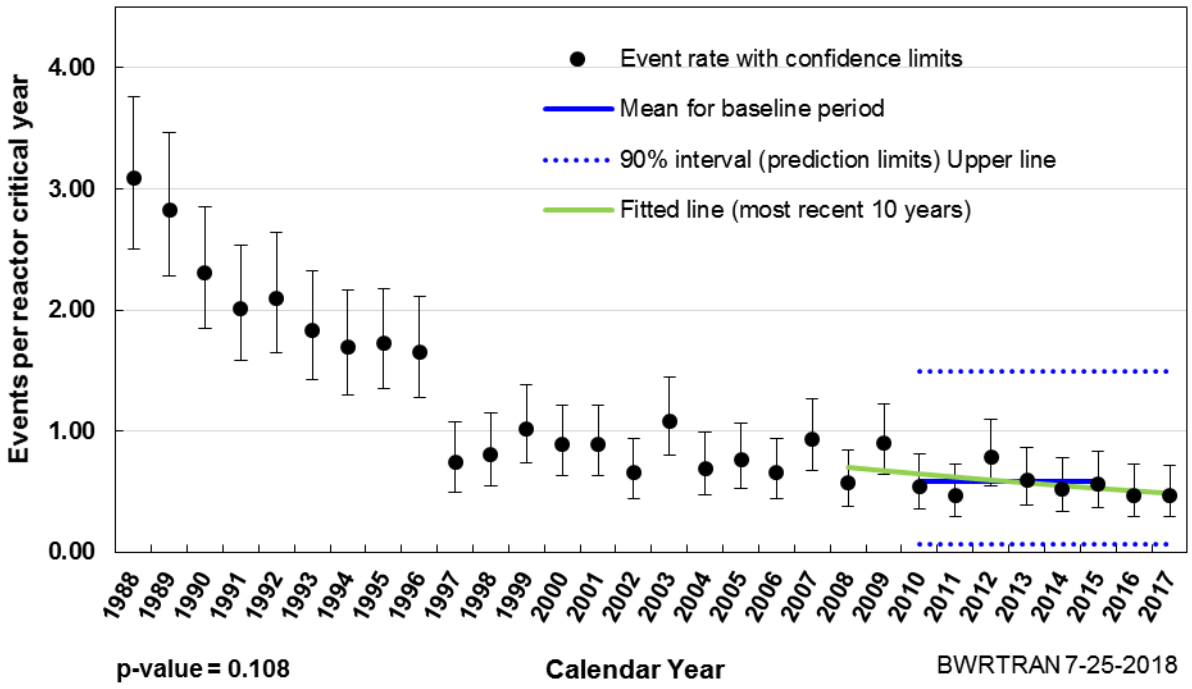

Figure 11. BWR general transients initiating event frequency.

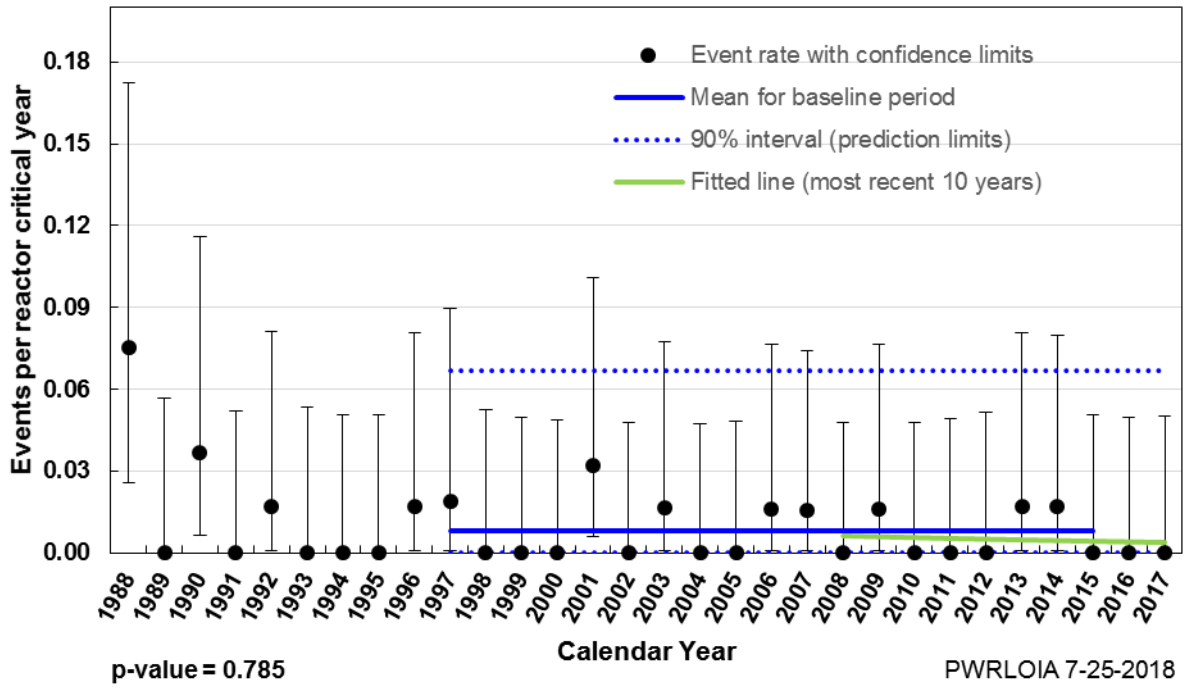

Figure 12. PWR loss of instrument air initiating event frequency.

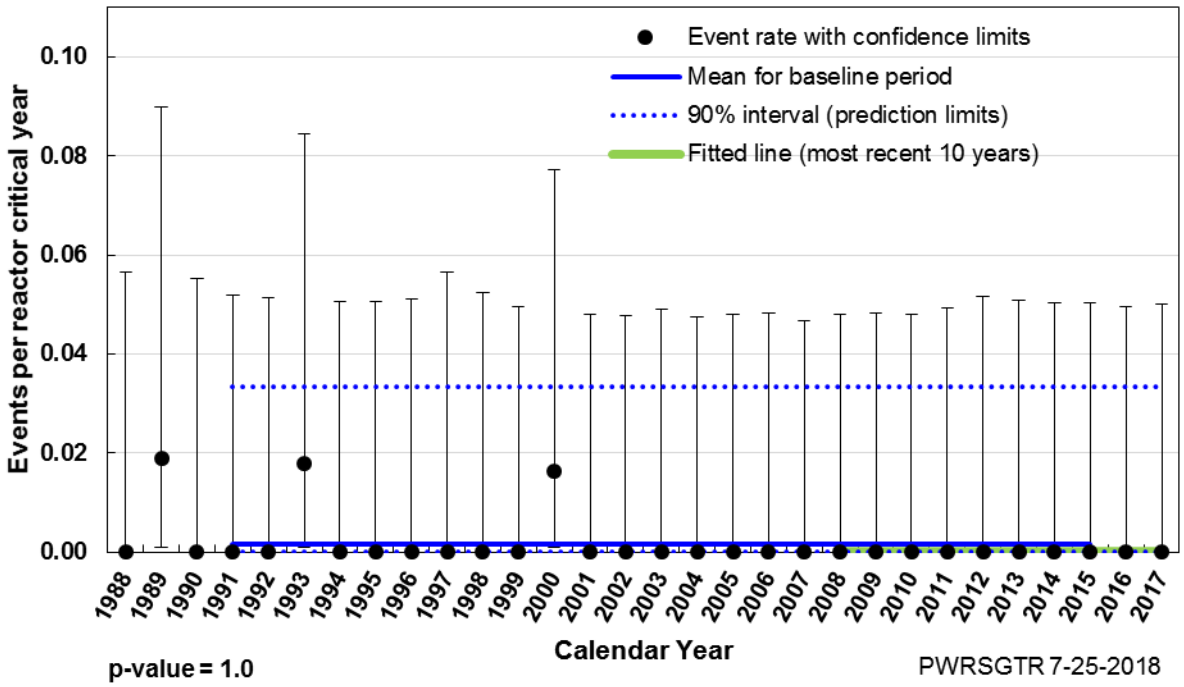

Figure 13. PWR steam generator tube rupture initiating event frequency.

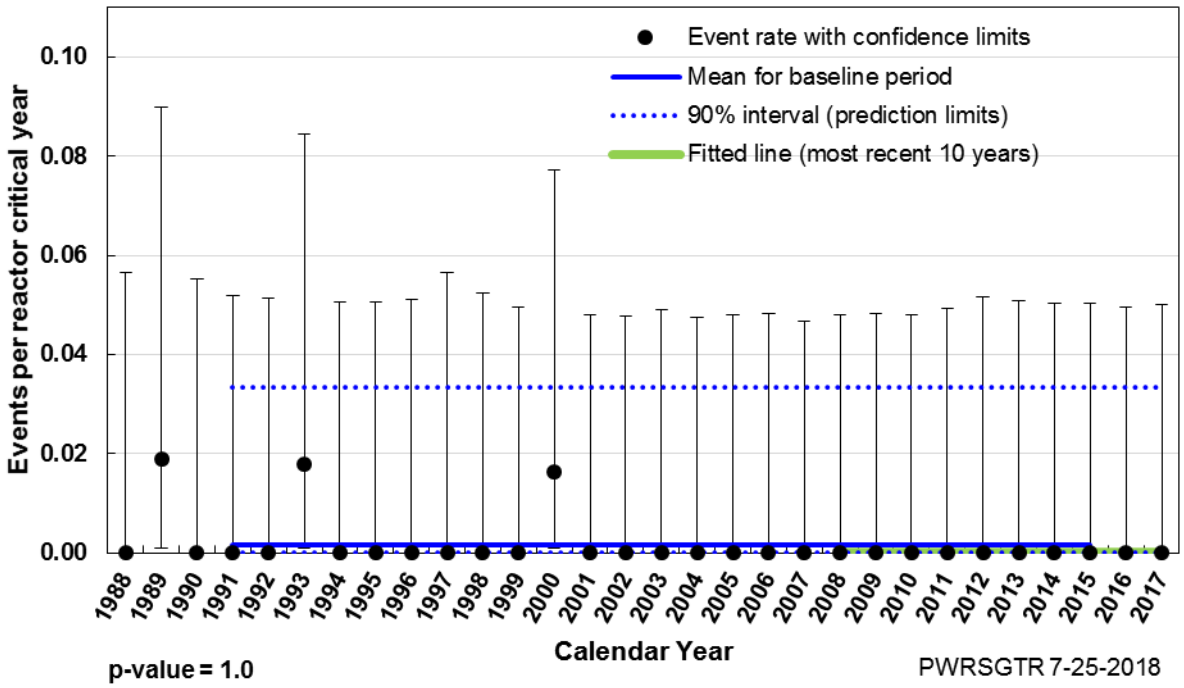

Figure 14. PWR stuck open safety relief valve initiating event frequency.

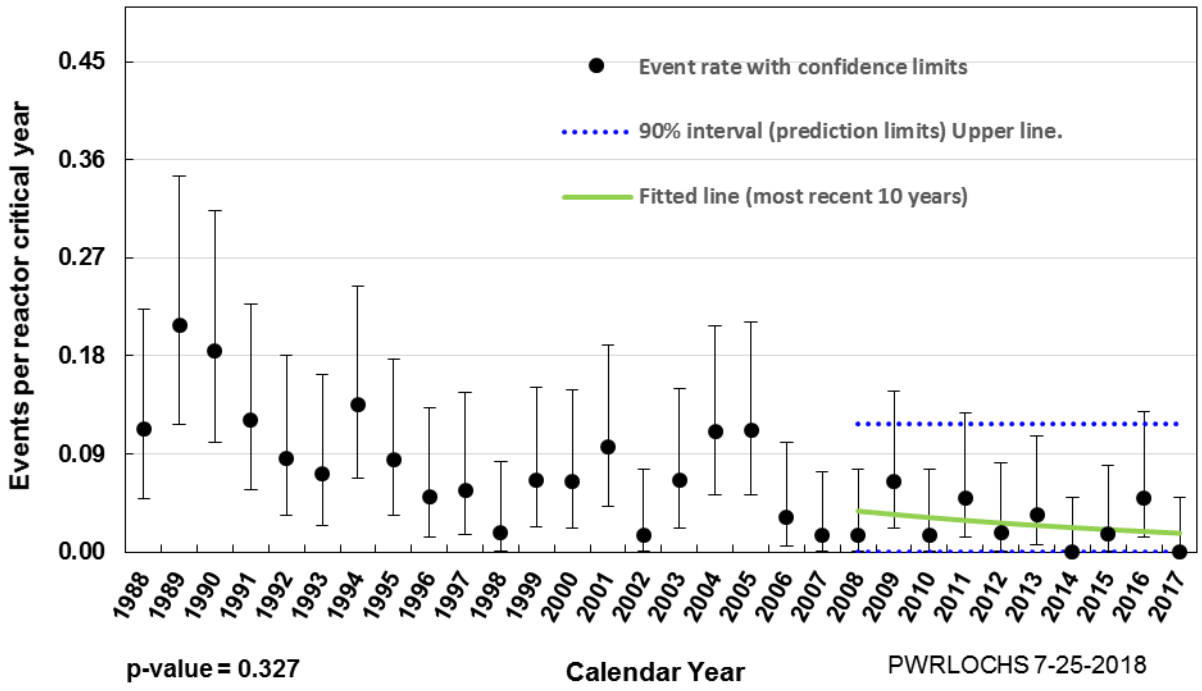

Figure 15. PWR loss of condenser heat sink initiating event frequency.

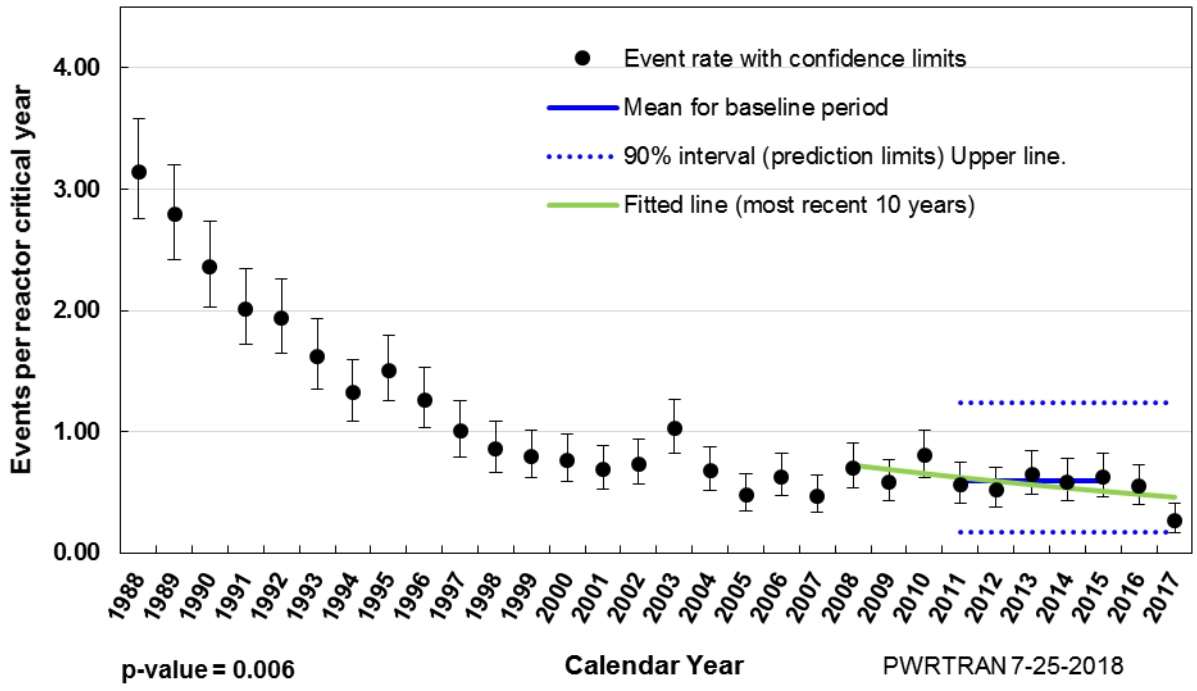

Figure 16. PWR general transients initiating event frequency.

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Appendix A
Initiating Events Data Tables

Appendix A
Initiating Event Data Tables

A-1TREND CHART DATA TABLES

Table A-1. Loss of off-site power.

			Plot Yearly Rates and Confidence Limits			Baseline Period Rate and Limits			Fitted Line
CY	Events	Rx Yrs	Lower (5%)	Mean	Upper (95%)	Lower (5%)	Mean	Upper (95%)	Mean
1988	4	75.76	1.80E-02	5.28E-02	1.21E-01	NA	NA	NA	NA
1989	6	76.04	3.44E-02	7.89E-02	1.56E-01	NA	NA	NA	NA
1990	1	80.66	6.36E-04	1.24E-02	5.88E-02	NA	NA	NA	NA
1991	6	83.94	3.11E-02	7.15E-02	1.41E-01	NA	NA	NA	NA
1992	6	83.61	3.13E-02	7.18E-02	1.42E-01	NA	NA	NA	NA
1993	5	82.9	2.38E-02	6.03E-02	1.27E-01	NA	NA	NA	NA
1994	0	85.8	0.00E+00	0.00E+00	3.49E-02	NA	NA	NA	NA
1995	0	88.84	0.00E+00	0.00E+00	3.37E-02	NA	NA	NA	NA
1996	3	87.09	9.39E-03	3.44E-02	8.90E-02	NA	NA	NA	NA
1997	2	79.93	4.45E-03	2.50E-02	7.88E-02	NA	NA	NA	NA
1998	1	84.39	6.08E-04	1.18E-02	5.62E-02	NA	NA	NA	NA
1999	1	90.73	5.65E-04	1.10E-02	5.23E-02	NA	NA	NA	NA
2000	1	92.92	5.52E-04	1.08E-02	5.11E-02	NA	NA	NA	NA
2001	2	93.96	3.78E-03	2.13E-02	6.70E-02	NA	NA	NA	NA
2002	1	94.88	5.41E-04	1.05E-02	5.00E-02	NA	NA	NA	NA
2003	12	92.61	7.48E-02	1.30E-01	2.10E-01	NA	NA	NA	NA
2004	5	94.94	2.08E-02	5.27E-02	1.11E-01	NA	NA	NA	NA
2005	0	93.92	0.00E+00	0.00E+00	3.19E-02	NA	NA	NA	NA
2006	3	94.34	8.67E-03	3.18E-02	8.22E-02	NA	NA	NA	NA
2007	0	96.16	0.00E+00	0.00E+00	3.12E-02	NA	NA	NA	NA
2008	0	95.43	0.00E+00	0.00E+00	3.14E-02	NA	NA	NA	2.68E-02
2009	3	94.34	8.67E-03	3.18E-02	8.22E-02	0.00E+00	3.85E-02	1.42E-01	2.79E-02
2010	0	95.44	0.00E+00	0.00E+00	3.14E-02	0.00E+00	3.85E-02	1.42E-01	2.91E-02
2011	7	92.61	3.55E-02	7.56E-02	1.42E-01	0.00E+00	3.85E-02	1.42E-01	3.03E-02
2012	5	90.02	2.19E-02	5.55E-02	1.17E-01	0.00E+00	3.85E-02	1.42E-01	3.15E-02
2013	5	91.23	2.16E-02	5.48E-02	1.15E-01	0.00E+00	3.85E-02	1.42E-01	3.28E-02
2014	2	92.44	3.84E-03	2.16E-02	6.81E-02	0.00E+00	3.85E-02	1.42E-01	3.42E-02
2015	3	91.44	8.94E-03	3.28E-02	8.48E-02	0.00E+00	3.85E-02	1.42E-01	3.56E-02
2016	3	92.18	8.87E-03	3.25E-02	8.41E-02	0.00E+00	NA	1.42E-01	3.71E-02
2017	2	91.87	3.87E-03	2.18E-02	6.85E-02	0.00E+00	NA	1.42E-01	3.86E-02
Total	**89**	**2680.42**	**2.76E-02**	**3.32E-02**	**3.96E-02**	**NA**	**NA**	**NA**	**NA**

Table A-2. Loss of vital AC bus.

			Plot Yearly Rates and Confidence Limits			Baseline Period Rate and Limits			Fitted Line
CY	**Events**	**Rx Yrs**	**Lower (5%)**	**Mean**	**Upper (95%)**	**Lower (5%)**	**Mean**	**Upper (95%)**	**Mean**
1988	0	75.76	0.00E+00	0.00E+00	3.95E-02	NA	NA	NA	NA
1989	1	76.04	6.75E-04	1.32E-02	6.24E-02	NA	NA	NA	NA
1990	0	80.66	0.00E+00	0.00E+00	3.71E-02	NA	NA	NA	NA
1991	0	83.94	0.00E+00	0.00E+00	3.57E-02	NA	NA	NA	NA
1992	2	83.61	4.25E-03	2.39E-02	7.53E-02	0.00E+00	5.73E-03	3.27E-02	NA
1993	0	82.9	0.00E+00	0.00E+00	3.61E-02	0.00E+00	5.73E-03	3.27E-02	NA
1994	1	85.8	5.98E-04	1.17E-02	5.53E-02	0.00E+00	5.73E-03	3.27E-02	NA
1995	0	88.84	0.00E+00	0.00E+00	3.37E-02	0.00E+00	5.73E-03	3.27E-02	NA
1996	0	87.09	0.00E+00	0.00E+00	3.44E-02	0.00E+00	5.73E-03	3.27E-02	NA
1997	0	79.93	0.00E+00	0.00E+00	3.75E-02	0.00E+00	5.73E-03	3.27E-02	NA
1998	1	84.39	6.08E-04	1.18E-02	5.62E-02	0.00E+00	5.73E-03	3.27E-02	NA
1999	1	90.73	5.65E-04	1.10E-02	5.23E-02	0.00E+00	5.73E-03	3.27E-02	NA
2000	1	92.92	5.52E-04	1.08E-02	5.11E-02	0.00E+00	5.73E-03	3.27E-02	NA
2001	2	93.96	3.78E-03	2.13E-02	6.70E-02	0.00E+00	5.73E-03	3.27E-02	NA
2002	0	94.88	0.00E+00	0.00E+00	3.16E-02	0.00E+00	5.73E-03	3.27E-02	NA
2003	1	92.61	5.54E-04	1.08E-02	5.12E-02	0.00E+00	5.73E-03	3.27E-02	NA
2004	0	94.94	0.00E+00	0.00E+00	3.16E-02	0.00E+00	5.73E-03	3.27E-02	NA
2005	0	93.92	0.00E+00	0.00E+00	3.19E-02	0.00E+00	5.73E-03	3.27E-02	NA
2006	0	94.34	0.00E+00	0.00E+00	3.18E-02	0.00E+00	5.73E-03	3.27E-02	NA
2007	0	96.16	0.00E+00	0.00E+00	3.12E-02	0.00E+00	5.73E-03	3.27E-02	NA
2008	0	95.43	0.00E+00	0.00E+00	3.14E-02	0.00E+00	5.73E-03	3.27E-02	4.95E-03
2009	0	94.34	0.00E+00	0.00E+00	3.18E-02	0.00E+00	5.73E-03	3.27E-02	4.83E-03
2010	2	95.44	3.72E-03	2.10E-02	6.60E-02	0.00E+00	5.73E-03	3.27E-02	4.71E-03
2011	0	92.61	0.00E+00	0.00E+00	3.23E-02	0.00E+00	5.73E-03	3.27E-02	4.59E-03
2012	1	90.02	5.70E-04	1.11E-02	5.27E-02	0.00E+00	5.73E-03	3.27E-02	4.47E-03
2013	0	91.23	0.00E+00	0.00E+00	3.28E-02	0.00E+00	5.73E-03	3.27E-02	4.35E-03
2014	0	92.44	0.00E+00	0.00E+00	3.24E-02	0.00E+00	5.73E-03	3.27E-02	4.24E-03
2015	0	91.44	0.00E+00	0.00E+00	3.28E-02	0.00E+00	5.73E-03	3.27E-02	4.14E-03
2016	0	92.18	0.00E+00	0.00E+00	3.25E-02	0.00E+00	NA	3.27E-02	4.03E-03
2017	1	91.87	5.58E-04	1.09E-02	5.16E-02	0.00E+00	NA	3.27E-02	3.93E-03
Total	**14**	**2680.42**	**3.16E-03**	**5.22E-03**	**8.17E-03**	**NA**	**NA**	**NA**	**NA**

Table A 3. Loss of vital DC bus.

			Plot Yearly Rates and Confidence Limits			Baseline Period Rate and Limits			Fitted Line
CY	**Events**	**Rx Yrs**	**Lower (5%)**	**Mean**	**Upper (95%)**	**Lower (5%)**	**Mean**	**Upper (95%)**	**Mean**
1988	0	75.76	0.00E+00	0.00E+00	3.95E-02	0.00E+00	1.00E-03	2.18E-02	NA
1989	0	76.04	0.00E+00	0.00E+00	3.94E-02	0.00E+00	1.00E-03	2.18E-02	NA
1990	0	80.66	0.00E+00	0.00E+00	3.71E-02	0.00E+00	1.00E-03	2.18E-02	NA
1991	0	83.94	0.00E+00	0.00E+00	3.57E-02	0.00E+00	1.00E-03	2.18E-02	NA
1992	0	83.61	0.00E+00	0.00E+00	3.58E-02	0.00E+00	1.00E-03	2.18E-02	NA
1993	0	82.9	0.00E+00	0.00E+00	3.61E-02	0.00E+00	1.00E-03	2.18E-02	NA
1994	0	85.8	0.00E+00	0.00E+00	3.49E-02	0.00E+00	1.00E-03	2.18E-02	NA
1995	0	88.84	0.00E+00	0.00E+00	3.37E-02	0.00E+00	1.00E-03	2.18E-02	NA
1996	0	87.09	0.00E+00	0.00E+00	3.44E-02	0.00E+00	1.00E-03	2.18E-02	NA
1997	0	79.93	0.00E+00	0.00E+00	3.75E-02	0.00E+00	1.00E-03	2.18E-02	NA
1998	0	84.39	0.00E+00	0.00E+00	3.55E-02	0.00E+00	1.00E-03	2.18E-02	NA
1999	1	90.73	5.65E-04	1.10E-02	5.23E-02	0.00E+00	1.00E-03	2.18E-02	NA
2000	0	92.92	0.00E+00	0.00E+00	3.22E-02	0.00E+00	1.00E-03	2.18E-02	NA
2001	0	93.96	0.00E+00	0.00E+00	3.19E-02	0.00E+00	1.00E-03	2.18E-02	NA
2002	0	94.88	0.00E+00	0.00E+00	3.16E-02	0.00E+00	1.00E-03	2.18E-02	NA
2003	0	92.61	0.00E+00	0.00E+00	3.23E-02	0.00E+00	1.00E-03	2.18E-02	NA
2004	0	94.94	0.00E+00	0.00E+00	3.16E-02	0.00E+00	1.00E-03	2.18E-02	NA
2005	0	93.92	0.00E+00	0.00E+00	3.19E-02	0.00E+00	1.00E-03	2.18E-02	NA
2006	0	94.34	0.00E+00	0.00E+00	3.18E-02	0.00E+00	1.00E-03	2.18E-02	NA
2007	0	96.16	0.00E+00	0.00E+00	3.12E-02	0.00E+00	1.00E-03	2.18E-02	NA
2008	0	95.43	0.00E+00	0.00E+00	3.14E-02	0.00E+00	1.00E-03	2.18E-02	1.35E-03
2009	0	94.34	0.00E+00	0.00E+00	3.18E-02	0.00E+00	1.00E-03	2.18E-02	1.28E-03
2010	0	95.44	0.00E+00	0.00E+00	3.14E-02	0.00E+00	1.00E-03	2.18E-02	1.21E-03
2011	1	92.61	5.54E-04	1.08E-02	5.12E-02	0.00E+00	1.00E-03	2.18E-02	1.15E-03
2012	0	90.02	0.00E+00	0.00E+00	3.33E-02	0.00E+00	1.00E-03	2.18E-02	1.09E-03
2013	0	91.23	0.00E+00	0.00E+00	3.28E-02	0.00E+00	1.00E-03	2.18E-02	1.03E-03
2014	0	92.44	0.00E+00	0.00E+00	3.24E-02	0.00E+00	1.00E-03	2.18E-02	9.74E-04
2015	0	91.44	0.00E+00	0.00E+00	3.28E-02	0.00E+00	1.00E-03	2.18E-02	9.22E-04
2016	0	92.18	0.00E+00	0.00E+00	3.25E-02	0.00E+00	NA	2.18E-02	8.73E-04
2017	0	91.87	0.00E+00	0.00E+00	3.26E-02	0.00E+00	NA	2.18E-02	8.26E-04
Total	**2**	**2680.42**	**1.33E-04**	**7.46E-04**	**2.35E-03**	**NA**	**NA**	**NA**	**NA**

Table A-4. Very small loss of coolant accident.

			Plot Yearly Rates and Confidence Limits			Baseline Period Rate and Limits			Fitted Line
CY	**Events**	**Rx Yrs**	**Lower (5%)**	**Mean**	**Upper (95%)**	**Lower (5%)**	**Mean**	**Upper (95%)**	**Mean**
1988	1	75.76	6.77E-04	1.32E-02	6.26E-02	NA	NA	NA	NA
1989	1	76.04	6.75E-04	1.32E-02	6.24E-02	NA	NA	NA	NA
1990	0	80.66	0.00E+00	0.00E+00	3.71E-02	NA	NA	NA	NA
1991	1	83.94	6.11E-04	1.19E-02	5.65E-02	NA	NA	NA	NA
1992	0	83.61	0.00E+00	0.00E+00	3.58E-02	0.00E+00	1.15E-03	2.18E-02	NA
1993	0	82.9	0.00E+00	0.00E+00	3.61E-02	0.00E+00	1.15E-03	2.18E-02	NA
1994	0	85.8	0.00E+00	0.00E+00	3.49E-02	0.00E+00	1.15E-03	2.18E-02	NA
1995	0	88.84	0.00E+00	0.00E+00	3.37E-02	0.00E+00	1.15E-03	2.18E-02	NA
1996	1	87.09	5.89E-04	1.15E-02	5.45E-02	0.00E+00	1.15E-03	2.18E-02	NA
1997	0	79.93	0.00E+00	0.00E+00	3.75E-02	0.00E+00	1.15E-03	2.18E-02	NA
1998	0	84.39	0.00E+00	0.00E+00	3.55E-02	0.00E+00	1.15E-03	2.18E-02	NA
1999	0	90.73	0.00E+00	0.00E+00	3.30E-02	0.00E+00	1.15E-03	2.18E-02	NA
2000	0	92.92	0.00E+00	0.00E+00	3.22E-02	0.00E+00	1.15E-03	2.18E-02	NA
2001	0	93.96	0.00E+00	0.00E+00	3.19E-02	0.00E+00	1.15E-03	2.18E-02	NA
2002	0	94.88	0.00E+00	0.00E+00	3.16E-02	0.00E+00	1.15E-03	2.18E-02	NA
2003	0	92.61	0.00E+00	0.00E+00	3.23E-02	0.00E+00	1.15E-03	2.18E-02	NA
2004	0	94.94	0.00E+00	0.00E+00	3.16E-02	0.00E+00	1.15E-03	2.18E-02	NA
2005	1	93.92	5.46E-04	1.06E-02	5.05E-02	0.00E+00	1.15E-03	2.18E-02	NA
2006	0	94.34	0.00E+00	0.00E+00	3.18E-02	0.00E+00	1.15E-03	2.18E-02	NA
2007	0	96.16	0.00E+00	0.00E+00	3.12E-02	0.00E+00	1.15E-03	2.18E-02	NA
2008	0	95.43	0.00E+00	0.00E+00	3.14E-02	0.00E+00	1.15E-03	2.18E-02	1.15E-21
2009	0	94.34	0.00E+00	0.00E+00	3.18E-02	0.00E+00	1.15E-03	2.18E-02	1.97E-20
2010	0	95.44	0.00E+00	0.00E+00	3.14E-02	0.00E+00	1.15E-03	2.18E-02	3.37E-19
2011	0	92.61	0.00E+00	0.00E+00	3.23E-02	0.00E+00	1.15E-03	2.18E-02	5.77E-18
2012	0	90.02	0.00E+00	0.00E+00	3.33E-02	0.00E+00	1.15E-03	2.18E-02	9.90E-17
2013	0	91.23	0.00E+00	0.00E+00	3.28E-02	0.00E+00	1.15E-03	2.18E-02	1.70E-15
2014	0	92.44	0.00E+00	0.00E+00	3.24E-02	0.00E+00	1.15E-03	2.18E-02	2.91E-14
2015	0	91.44	0.00E+00	0.00E+00	3.28E-02	0.00E+00	1.15E-03	2.18E-02	4.98E-13
2016	0	92.18	0.00E+00	0.00E+00	3.25E-02	0.00E+00	NA	2.18E-02	8.54E-12
2017	0	91.87	0.00E+00	0.00E+00	3.26E-02	0.00E+00	NA	2.18E-02	1.46E-10
Total	**5**	**2680.42**	**7.35E-04**	**1.87E-03**	**3.92E-03**	**NA**	**NA**	**NA**	**NA**

Table A-5. Partial loss of component cooling water.

			Plot Yearly Rates and Confidence Limits			Baseline Period Rate and Limits			Fitted Line
CY	**Events**	**Rx Yrs**	**Lower (5%)**	**Mean**	**Upper (95%)**	**Lower (5%)**	**Mean**	**Upper (95%)**	**Mean**
1988	0	75.76	0.00E+00	0.00E+00	3.95E-02	0.00E+00	1.80E-03	2.18E-02	NA
1989	0	76.04	0.00E+00	0.00E+00	3.94E-02	0.00E+00	1.80E-03	2.18E-02	NA
1990	0	80.66	0.00E+00	0.00E+00	3.71E-02	0.00E+00	1.80E-03	2.18E-02	NA
1991	0	83.94	0.00E+00	0.00E+00	3.57E-02	0.00E+00	1.80E-03	2.18E-02	NA
1992	0	83.61	0.00E+00	0.00E+00	3.58E-02	0.00E+00	1.80E-03	2.18E-02	NA
1993	0	82.9	0.00E+00	0.00E+00	3.61E-02	0.00E+00	1.80E-03	2.18E-02	NA
1994	0	85.8	0.00E+00	0.00E+00	3.49E-02	0.00E+00	1.80E-03	2.18E-02	NA
1995	0	88.84	0.00E+00	0.00E+00	3.37E-02	0.00E+00	1.80E-03	2.18E-02	NA
1996	0	87.09	0.00E+00	0.00E+00	3.44E-02	0.00E+00	1.80E-03	2.18E-02	NA
1997	0	79.93	0.00E+00	0.00E+00	3.75E-02	0.00E+00	1.80E-03	2.18E-02	NA
1998	0	84.39	0.00E+00	0.00E+00	3.55E-02	0.00E+00	1.80E-03	2.18E-02	NA
1999	0	90.73	0.00E+00	0.00E+00	3.30E-02	0.00E+00	1.80E-03	2.18E-02	NA
2000	0	92.92	0.00E+00	0.00E+00	3.22E-02	0.00E+00	1.80E-03	2.18E-02	NA
2001	1	93.96	5.46E-04	1.06E-02	5.05E-02	0.00E+00	1.80E-03	2.18E-02	NA
2002	0	94.88	0.00E+00	0.00E+00	3.16E-02	0.00E+00	1.80E-03	2.18E-02	NA
2003	2	92.61	3.84E-03	2.16E-02	6.80E-02	0.00E+00	1.80E-03	2.18E-02	NA
2004	0	94.94	0.00E+00	0.00E+00	3.16E-02	0.00E+00	1.80E-03	2.18E-02	NA
2005	0	93.92	0.00E+00	0.00E+00	3.19E-02	0.00E+00	1.80E-03	2.18E-02	NA
2006	0	94.34	0.00E+00	0.00E+00	3.18E-02	0.00E+00	1.80E-03	2.18E-02	NA
2007	0	96.16	0.00E+00	0.00E+00	3.12E-02	0.00E+00	1.80E-03	2.18E-02	NA
2008	0	95.43	0.00E+00	0.00E+00	3.14E-02	0.00E+00	1.80E-03	2.18E-02	3.30E-03
2009	0	94.34	0.00E+00	0.00E+00	3.18E-02	0.00E+00	1.80E-03	2.18E-02	2.30E-03
2010	1	95.44	5.37E-04	1.05E-02	4.97E-02	0.00E+00	1.80E-03	2.18E-02	1.61E-03
2011	0	92.61	0.00E+00	0.00E+00	3.23E-02	0.00E+00	1.80E-03	2.18E-02	1.12E-03
2012	0	90.02	0.00E+00	0.00E+00	3.33E-02	0.00E+00	1.80E-03	2.18E-02	7.85E-04
2013	0	91.23	0.00E+00	0.00E+00	3.28E-02	0.00E+00	1.80E-03	2.18E-02	5.49E-04
2014	0	92.44	0.00E+00	0.00E+00	3.24E-02	0.00E+00	1.80E-03	2.18E-02	3.83E-04
2015	0	91.44	0.00E+00	0.00E+00	3.28E-02	0.00E+00	1.80E-03	2.18E-02	2.68E-04
2016	0	92.18	0.00E+00	0.00E+00	3.25E-02	0.00E+00	NA	2.18E-02	1.87E-04
2017	0	91.87	0.00E+00	0.00E+00	3.26E-02	0.00E+00	NA	2.18E-02	1.31E-04
Total	**4**	**2680.42**	**5.10E-04**	**1.49E-03**	**3.41E-03**	**NA**	**NA**	**NA**	**NA**

Table A-6. Loss of feedwater.

			Plot Yearly Rates and Confidence Limits			Baseline Period Rate and Limits			Fitted Line
CY	**Events**	**Rx Yrs**	**Lower (5%)**	**Mean**	**Upper (95%)**	**Lower (5%)**	**Mean**	**Upper (95%)**	**Mean**
1988	22	75.76	1.97E-01	2.90E-01	4.15E-01	NA	NA	NA	NA
1989	12	76.04	9.11E-02	1.58E-01	2.56E-01	NA	NA	NA	NA
1990	18	80.66	1.44E-01	2.23E-01	3.31E-01	NA	NA	NA	NA
1991	20	83.94	1.58E-01	2.38E-01	3.46E-01	NA	NA	NA	NA
1992	11	83.61	7.38E-02	1.32E-01	2.18E-01	NA	NA	NA	NA
1993	7	82.9	3.96E-02	8.44E-02	1.59E-01	NA	NA	NA	NA
1994	9	85.8	5.47E-02	1.05E-01	1.83E-01	NA	NA	NA	NA
1995	9	88.84	5.28E-02	1.01E-01	1.77E-01	NA	NA	NA	NA
1996	11	87.09	7.08E-02	1.26E-01	2.09E-01	NA	NA	NA	NA
1997	6	79.93	3.27E-02	7.51E-02	1.48E-01	NA	NA	NA	NA
1998	4	84.39	1.62E-02	4.74E-02	1.08E-01	NA	NA	NA	NA
1999	12	90.73	7.63E-02	1.32E-01	2.14E-01	NA	NA	NA	NA
2000	7	92.92	3.54E-02	7.53E-02	1.41E-01	NA	NA	NA	NA
2001	6	93.96	2.78E-02	6.39E-02	1.26E-01	NA	NA	NA	NA
2002	4	94.88	1.44E-02	4.22E-02	9.65E-02	NA	NA	NA	NA
2003	4	92.61	1.48E-02	4.32E-02	9.88E-02	NA	NA	NA	NA
2004	10	94.94	5.71E-02	1.05E-01	1.79E-01	NA	NA	NA	NA
2005	9	93.92	5.00E-02	9.58E-02	1.67E-01	NA	NA	NA	NA
2006	3	94.34	8.67E-03	3.18E-02	8.22E-02	0.00E+00	2.80E-02	9.80E-02	NA
2007	5	96.16	2.05E-02	5.20E-02	1.09E-01	0.00E+00	2.80E-02	9.80E-02	NA
2008	4	95.43	1.43E-02	4.19E-02	9.59E-02	0.00E+00	2.80E-02	9.80E-02	2.67E-02
2009	2	94.34	3.77E-03	2.12E-02	6.67E-02	0.00E+00	2.80E-02	9.80E-02	2.54E-02
2010	1	95.44	5.37E-04	1.05E-02	4.97E-02	0.00E+00	2.80E-02	9.80E-02	2.42E-02
2011	2	92.61	3.84E-03	2.16E-02	6.80E-02	0.00E+00	2.80E-02	9.80E-02	2.30E-02
2012	0	90.02	0.00E+00	0.00E+00	3.33E-02	0.00E+00	2.80E-02	9.80E-02	2.19E-02
2013	3	91.23	8.96E-03	3.29E-02	8.50E-02	0.00E+00	2.80E-02	9.80E-02	2.08E-02
2014	3	92.44	8.85E-03	3.25E-02	8.39E-02	0.00E+00	2.80E-02	9.80E-02	1.98E-02
2015	3	91.44	8.94E-03	3.28E-02	8.48E-02	0.00E+00	2.80E-02	9.80E-02	1.88E-02
2016	1	92.18	5.56E-04	1.08E-02	5.15E-02	0.00E+00	NA	9.80E-02	1.79E-02
2017	1	91.87	5.58E-04	1.09E-02	5.16E-02	0.00E+00	NA	9.80E-02	1.70E-02
Total	**209**	**2680.42**	**6.93E-02**	**7.80E-02**	**8.74E-02**	**NA**	**NA**	**NA**	**NA**

Table A-7. Partial loss of service water.

			Plot Yearly Rates and Confidence Limits			Baseline Period Rate and Limits			Fitted Line
CY	**Events**	**Rx Yrs**	**Lower (5%)**	**Mean**	**Upper (95%)**	**Lower (5%)**	**Mean**	**Upper (95%)**	**Mean**
1988	0	75.76	0.00E+00	0.00E+00	3.95E-02	0.00E+00	1.80E-03	2.18E-02	NA
1989	0	76.04	0.00E+00	0.00E+00	3.94E-02	0.00E+00	1.80E-03	2.18E-02	NA
1990	1	80.66	6.36E-04	1.24E-02	5.88E-02	0.00E+00	1.80E-03	2.18E-02	NA
1991	0	83.94	0.00E+00	0.00E+00	3.57E-02	0.00E+00	1.80E-03	2.18E-02	NA
1992	0	83.61	0.00E+00	0.00E+00	3.58E-02	0.00E+00	1.80E-03	2.18E-02	NA
1993	0	82.9	0.00E+00	0.00E+00	3.61E-02	0.00E+00	1.80E-03	2.18E-02	NA
1994	0	85.8	0.00E+00	0.00E+00	3.49E-02	0.00E+00	1.80E-03	2.18E-02	NA
1995	0	88.84	0.00E+00	0.00E+00	3.37E-02	0.00E+00	1.80E-03	2.18E-02	NA
1996	1	87.09	5.89E-04	1.15E-02	5.45E-02	0.00E+00	1.80E-03	2.18E-02	NA
1997	0	79.93	0.00E+00	0.00E+00	3.75E-02	0.00E+00	1.80E-03	2.18E-02	NA
1998	0	84.39	0.00E+00	0.00E+00	3.55E-02	0.00E+00	1.80E-03	2.18E-02	NA
1999	0	90.73	0.00E+00	0.00E+00	3.30E-02	0.00E+00	1.80E-03	2.18E-02	NA
2000	0	92.92	0.00E+00	0.00E+00	3.22E-02	0.00E+00	1.80E-03	2.18E-02	NA
2001	0	93.96	0.00E+00	0.00E+00	3.19E-02	0.00E+00	1.80E-03	2.18E-02	NA
2002	0	94.88	0.00E+00	0.00E+00	3.16E-02	0.00E+00	1.80E-03	2.18E-02	NA
2003	2	92.61	3.84E-03	2.16E-02	6.80E-02	0.00E+00	1.80E-03	2.18E-02	NA
2004	0	94.94	0.00E+00	0.00E+00	3.16E-02	0.00E+00	1.80E-03	2.18E-02	NA
2005	0	93.92	0.00E+00	0.00E+00	3.19E-02	0.00E+00	1.80E-03	2.18E-02	NA
2006	0	94.34	0.00E+00	0.00E+00	3.18E-02	0.00E+00	1.80E-03	2.18E-02	NA
2007	0	96.16	0.00E+00	0.00E+00	3.12E-02	0.00E+00	1.80E-03	2.18E-02	NA
2008	0	95.43	0.00E+00	0.00E+00	3.14E-02	0.00E+00	1.80E-03	2.18E-02	1.15E-21
2009	0	94.34	0.00E+00	0.00E+00	3.18E-02	0.00E+00	1.80E-03	2.18E-02	1.97E-20
2010	0	95.44	0.00E+00	0.00E+00	3.14E-02	0.00E+00	1.80E-03	2.18E-02	3.37E-19
2011	0	92.61	0.00E+00	0.00E+00	3.23E-02	0.00E+00	1.80E-03	2.18E-02	5.77E-18
2012	0	90.02	0.00E+00	0.00E+00	3.33E-02	0.00E+00	1.80E-03	2.18E-02	9.90E-17
2013	0	91.23	0.00E+00	0.00E+00	3.28E-02	0.00E+00	1.80E-03	2.18E-02	1.70E-15
2014	0	92.44	0.00E+00	0.00E+00	3.24E-02	0.00E+00	1.80E-03	2.18E-02	2.91E-14
2015	0	91.44	0.00E+00	0.00E+00	3.28E-02	0.00E+00	1.80E-03	2.18E-02	4.98E-13
2016	0	92.18	0.00E+00	0.00E+00	3.25E-02	0.00E+00	NA	2.18E-02	8.54E-12
2017	0	91.87	0.00E+00	0.00E+00	3.26E-02	0.00E+00	NA	2.18E-02	1.46E-10
Total	**4**	**2680.42**	**5.10E-04**	**1.49E-03**	**3.41E-03**	**NA**	**NA**	**NA**	**NA**

Table A-8. BWR loss of instrument air.

			Plot Yearly Rates and Confidence Limits			Baseline Period Rate and Limits			Fitted Line
CY	**Events**	**Rx Yrs**	**Lower (5%)**	**Mean**	**Upper (95%)**	**Lower (5%)**	**Mean**	**Upper (95%)**	**Mean**
1988	3	22.69	3.60E-02	1.32E-01	3.42E-01	NA	NA	NA	NA
1989	1	23.34	2.20E-03	4.28E-02	2.03E-01	NA	NA	NA	NA
1990	4	26.44	5.17E-02	1.51E-01	3.46E-01	NA	NA	NA	NA
1991	0	26.29	0.00E+00	0.00E+00	1.14E-01	0.00E+00	7.23E-03	6.22E-02	NA
1992	1	25.23	2.03E-03	3.96E-02	1.88E-01	0.00E+00	7.23E-03	6.22E-02	NA
1993	1	26.8	1.91E-03	3.73E-02	1.77E-01	0.00E+00	7.23E-03	6.22E-02	NA
1994	1	26.64	1.93E-03	3.75E-02	1.78E-01	0.00E+00	7.23E-03	6.22E-02	NA
1995	0	29.63	0.00E+00	0.00E+00	1.01E-01	0.00E+00	7.23E-03	6.22E-02	NA
1996	0	28.37	0.00E+00	0.00E+00	1.06E-01	0.00E+00	7.23E-03	6.22E-02	NA
1997	0	27.05	0.00E+00	0.00E+00	1.11E-01	0.00E+00	7.23E-03	6.22E-02	NA
1998	0	27.35	0.00E+00	0.00E+00	1.10E-01	0.00E+00	7.23E-03	6.22E-02	NA
1999	0	30.33	0.00E+00	0.00E+00	9.88E-02	0.00E+00	7.23E-03	6.22E-02	NA
2000	0	31.58	0.00E+00	0.00E+00	9.49E-02	0.00E+00	7.23E-03	6.22E-02	NA
2001	0	31.6	0.00E+00	0.00E+00	9.48E-02	0.00E+00	7.23E-03	6.22E-02	NA
2002	0	32.17	0.00E+00	0.00E+00	9.31E-02	0.00E+00	7.23E-03	6.22E-02	NA
2003	0	31.43	0.00E+00	0.00E+00	9.53E-02	0.00E+00	7.23E-03	6.22E-02	NA
2004	0	31.7	0.00E+00	0.00E+00	9.45E-02	0.00E+00	7.23E-03	6.22E-02	NA
2005	0	31.57	0.00E+00	0.00E+00	9.49E-02	0.00E+00	7.23E-03	6.22E-02	NA
2006	1	32.13	1.60E-03	3.11E-02	1.48E-01	0.00E+00	7.23E-03	6.22E-02	NA
2007	0	32.2	0.00E+00	0.00E+00	9.30E-02	0.00E+00	7.23E-03	6.22E-02	NA
2008	0	32.92	0.00E+00	0.00E+00	9.10E-02	0.00E+00	7.23E-03	6.22E-02	7.18E-04
2009	0	32.24	0.00E+00	0.00E+00	9.29E-02	0.00E+00	7.23E-03	6.22E-02	1.04E-03
2010	0	32.97	0.00E+00	0.00E+00	9.09E-02	0.00E+00	7.23E-03	6.22E-02	1.50E-03
2011	0	31.91	0.00E+00	0.00E+00	9.39E-02	0.00E+00	7.23E-03	6.22E-02	2.16E-03
2012	0	31.95	0.00E+00	0.00E+00	9.37E-02	0.00E+00	7.23E-03	6.22E-02	3.12E-03
2013	1	32.29	1.59E-03	3.10E-02	1.47E-01	0.00E+00	7.23E-03	6.22E-02	4.51E-03
2014	0	32.9	0.00E+00	0.00E+00	9.11E-02	0.00E+00	7.23E-03	6.22E-02	6.52E-03
2015	0	31.97	0.00E+00	0.00E+00	9.37E-02	0.00E+00	7.23E-03	6.22E-02	9.41E-03
2016	0	31.81	0.00E+00	0.00E+00	9.42E-02	0.00E+00	NA	6.22E-02	1.36E-02
2017	1	32.14	1.60E-03	3.11E-02	1.48E-01	0.00E+00	NA	6.22E-02	1.96E-02
Total	**14**	**897.64**	**9.43E-03**	**1.56E-02**	**2.44E-02**	**NA**	**NA**	**NA**	**NA**

Table A-9. BWR stuck open safety relief valve.

			Plot Yearly Rates and Confidence Limits			Baseline Period Rate and Limits			Fitted Line
CY	**Events**	**Rx Yrs**	**Lower (5%)**	**Mean**	**Upper (95%)**	**Lower (5%)**	**Mean**	**Upper (95%)**	**Mean**
1988	0	22.69	0.00E+00	0.00E+00	1.32E-01	NA	NA	NA	NA
1989	1	23.34	2.20E-03	4.28E-02	2.03E-01	NA	NA	NA	NA
1990	2	26.44	1.34E-02	7.56E-02	2.38E-01	NA	NA	NA	NA
1991	1	26.29	1.95E-03	3.80E-02	1.80E-01	NA	NA	NA	NA
1992	2	25.23	1.41E-02	7.93E-02	2.50E-01	NA	NA	NA	NA
1993	2	26.8	1.33E-02	7.46E-02	2.35E-01	NA	NA	NA	NA
1994	0	26.64	0.00E+00	0.00E+00	1.12E-01	0.00E+00	1.02E-02	9.34E-02	NA
1995	1	29.63	1.73E-03	3.37E-02	1.60E-01	0.00E+00	1.02E-02	9.34E-02	NA
1996	0	28.37	0.00E+00	0.00E+00	1.06E-01	0.00E+00	1.02E-02	9.34E-02	NA
1997	0	27.05	0.00E+00	0.00E+00	1.11E-01	0.00E+00	1.02E-02	9.34E-02	NA
1998	0	27.35	0.00E+00	0.00E+00	1.10E-01	0.00E+00	1.02E-02	9.34E-02	NA
1999	0	30.33	0.00E+00	0.00E+00	9.88E-02	0.00E+00	1.02E-02	9.34E-02	NA
2000	1	31.58	1.62E-03	3.17E-02	1.50E-01	0.00E+00	1.02E-02	9.34E-02	NA
2001	1	31.6	1.62E-03	3.16E-02	1.50E-01	0.00E+00	1.02E-02	9.34E-02	NA
2002	1	32.17	1.59E-03	3.11E-02	1.47E-01	0.00E+00	1.02E-02	9.34E-02	NA
2003	1	31.43	1.63E-03	3.18E-02	1.51E-01	0.00E+00	1.02E-02	9.34E-02	NA
2004	1	31.7	1.62E-03	3.15E-02	1.50E-01	0.00E+00	1.02E-02	9.34E-02	NA
2005	0	31.57	0.00E+00	0.00E+00	9.49E-02	0.00E+00	1.02E-02	9.34E-02	NA
2006	0	32.13	0.00E+00	0.00E+00	9.32E-02	0.00E+00	1.02E-02	9.34E-02	NA
2007	0	32.2	0.00E+00	0.00E+00	9.30E-02	0.00E+00	1.02E-02	9.34E-02	NA
2008	1	32.92	1.56E-03	3.04E-02	1.44E-01	0.00E+00	1.02E-02	9.34E-02	3.04E-02
2009	0	32.24	0.00E+00	0.00E+00	9.29E-02	0.00E+00	1.02E-02	9.34E-02	3.95E-09
2010	0	32.97	0.00E+00	0.00E+00	9.09E-02	0.00E+00	1.02E-02	9.34E-02	5.15E-16
2011	0	31.91	0.00E+00	0.00E+00	9.39E-02	0.00E+00	1.02E-02	9.34E-02	6.70E-23
2012	0	31.95	0.00E+00	0.00E+00	9.37E-02	0.00E+00	1.02E-02	9.34E-02	8.72E-30
2013	0	32.29	0.00E+00	0.00E+00	9.28E-02	0.00E+00	1.02E-02	9.34E-02	1.14E-36
2014	0	32.9	0.00E+00	0.00E+00	9.11E-02	0.00E+00	1.02E-02	9.34E-02	1.48E-43
2015	0	31.97	0.00E+00	0.00E+00	9.37E-02	0.00E+00	1.02E-02	9.34E-02	1.92E-50
2016	0	31.81	0.00E+00	0.00E+00	9.42E-02	0.00E+00	NA	9.34E-02	2.51E-57
2017	0	32.14	0.00E+00	0.00E+00	9.32E-02	0.00E+00	NA	9.34E-02	3.26E-64
Total	**15**	**897.64**	**1.03E-02**	**1.67E-02**	**2.57E-02**	**NA**	**NA**	**NA**	**NA**

Table A-10. BWR loss of heat sink.

			Plot Yearly Rates and Confidence Limits			Baseline Period Rate and Limits			Fitted Line
CY	**Events**	**Rx Yrs**	**Lower (5%)**	**Mean**	**Upper (95%)**	**Lower (5%)**	**Mean**	**Upper (95%)**	**Mean**
1988	11	22.69	2.72E-01	4.85E-01	8.03E-01	NA	NA	NA	NA
1989	10	23.34	2.32E-01	4.28E-01	7.27E-01	NA	NA	NA	NA
1990	15	26.44	3.50E-01	5.67E-01	8.74E-01	NA	NA	NA	NA
1991	9	26.29	1.79E-01	3.42E-01	5.97E-01	NA	NA	NA	NA
1992	11	25.23	2.44E-01	4.36E-01	7.22E-01	NA	NA	NA	NA
1993	11	26.8	2.30E-01	4.10E-01	6.79E-01	NA	NA	NA	NA
1994	8	26.64	1.49E-01	3.00E-01	5.42E-01	NA	NA	NA	NA
1995	7	29.63	1.11E-01	2.36E-01	4.44E-01	NA	NA	NA	NA
1996	5	28.37	6.95E-02	1.76E-01	3.71E-01	NA	NA	NA	NA
1997	5	27.05	7.28E-02	1.85E-01	3.89E-01	NA	NA	NA	NA
1998	6	27.35	9.56E-02	2.19E-01	4.33E-01	NA	NA	NA	NA
1999	4	30.33	4.51E-02	1.32E-01	3.02E-01	NA	NA	NA	NA
2000	8	31.58	1.26E-01	2.53E-01	4.57E-01	NA	NA	NA	NA
2001	3	31.6	2.59E-02	9.49E-02	2.45E-01	NA	NA	NA	NA
2002	1	32.17	1.59E-03	3.11E-02	1.47E-01	NA	NA	NA	NA
2003	8	31.43	1.27E-01	2.55E-01	4.59E-01	NA	NA	NA	NA
2004	7	31.7	1.04E-01	2.21E-01	4.15E-01	NA	NA	NA	NA
2005	2	31.57	1.13E-02	6.34E-02	1.99E-01	NA	NA	NA	NA
2006	2	32.13	1.11E-02	6.22E-02	1.96E-01	NA	NA	NA	NA
2007	6	32.2	8.12E-02	1.86E-01	3.68E-01	NA	NA	NA	NA
2008	2	32.92	1.08E-02	6.08E-02	1.91E-01	NA	NA	NA	4.42E-02
2009	2	32.24	1.10E-02	6.20E-02	1.95E-01	0.00E+00	4.64E-02	1.56E-01	4.53E-02
2010	1	32.97	1.56E-03	3.03E-02	1.44E-01	0.00E+00	4.64E-02	1.56E-01	4.64E-02
2011	0	31.91	0.00E+00	0.00E+00	9.39E-02	0.00E+00	4.64E-02	1.56E-01	4.76E-02
2012	2	31.95	1.11E-02	6.26E-02	1.97E-01	0.00E+00	4.64E-02	1.56E-01	4.88E-02
2013	2	32.29	1.10E-02	6.19E-02	1.95E-01	0.00E+00	4.64E-02	1.56E-01	5.00E-02
2014	0	32.9	0.00E+00	0.00E+00	9.11E-02	0.00E+00	4.64E-02	1.56E-01	5.13E-02
2015	3	31.97	2.56E-02	9.38E-02	2.42E-01	0.00E+00	4.64E-02	1.56E-01	5.26E-02
2016	4	31.81	4.30E-02	1.26E-01	2.88E-01	0.00E+00	NA	1.56E-01	5.39E-02
2017	0	32.14	0.00E+00	0.00E+00	9.32E-02	0.00E+00	NA	1.56E-01	5.53E-02
Total	**155**	**897.64**	**1.51E-01**	**1.73E-01**	**1.97E-01**	**NA**	**NA**	**NA**	**NA**

Table A-11. BWR general transients.

			Plot Yearly Rates and Confidence Limits			Baseline Period Rate and Limits			Fitted Line
CY	**Events**	**Rx Yrs**	**Lower (5%)**	**Mean**	**Upper (95%)**	**Lower (5%)**	**Mean**	**Upper (95%)**	**Mean**
1988	70	22.69	2.50E+00	3.09E+00	3.76E+00	NA	NA	NA	NA
1989	66	23.34	2.28E+00	2.83E+00	3.47E+00	NA	NA	NA	NA
1990	61	26.44	1.84E+00	2.31E+00	2.86E+00	NA	NA	NA	NA
1991	53	26.29	1.58E+00	2.02E+00	2.53E+00	NA	NA	NA	NA
1992	53	25.23	1.65E+00	2.10E+00	2.64E+00	NA	NA	NA	NA
1993	49	26.8	1.42E+00	1.83E+00	2.32E+00	NA	NA	NA	NA
1994	45	26.64	1.30E+00	1.69E+00	2.17E+00	NA	NA	NA	NA
1995	51	29.63	1.34E+00	1.72E+00	2.17E+00	NA	NA	NA	NA
1996	47	28.37	1.28E+00	1.66E+00	2.11E+00	NA	NA	NA	NA
1997	20	27.05	4.90E-01	7.39E-01	1.07E+00	NA	NA	NA	NA
1998	22	27.35	5.45E-01	8.04E-01	1.15E+00	NA	NA	NA	NA
1999	31	30.33	7.40E-01	1.02E+00	1.38E+00	NA	NA	NA	NA
2000	28	31.58	6.30E-01	8.87E-01	1.22E+00	NA	NA	NA	NA
2001	28	31.6	6.30E-01	8.86E-01	1.21E+00	NA	NA	NA	NA
2002	21	32.17	4.37E-01	6.53E-01	9.40E-01	NA	NA	NA	NA
2003	34	31.43	7.96E-01	1.08E+00	1.44E+00	NA	NA	NA	NA
2004	22	31.7	4.70E-01	6.94E-01	9.91E-01	NA	NA	NA	NA
2005	24	31.57	5.24E-01	7.60E-01	1.07E+00	NA	NA	NA	NA
2006	21	32.13	4.38E-01	6.54E-01	9.41E-01	NA	NA	NA	NA
2007	30	32.2	6.71E-01	9.32E-01	1.26E+00	NA	NA	NA	NA
2008	19	32.92	3.78E-01	5.77E-01	8.47E-01	NA	NA	NA	7.01E-01
2009	29	32.24	6.43E-01	9.00E-01	1.23E+00	NA	NA	NA	6.73E-01
2010	18	32.97	3.53E-01	5.46E-01	8.10E-01	6.22E-02	5.79E-01	1.49E+00	6.46E-01
2011	15	31.91	2.90E-01	4.70E-01	7.24E-01	6.22E-02	5.79E-01	1.49E+00	6.20E-01
2012	25	31.95	5.44E-01	7.82E-01	1.09E+00	6.22E-02	5.79E-01	1.49E+00	5.96E-01
2013	19	32.29	3.85E-01	5.88E-01	8.64E-01	6.22E-02	5.79E-01	1.49E+00	5.72E-01
2014	17	32.9	3.29E-01	5.17E-01	7.75E-01	6.22E-02	5.79E-01	1.49E+00	5.49E-01
2015	18	31.97	3.64E-01	5.63E-01	8.35E-01	6.22E-02	5.79E-01	1.49E+00	5.27E-01
2016	15	31.81	2.91E-01	4.72E-01	7.26E-01	6.22E-02	NA	1.49E+00	5.06E-01
2017	15	32.14	2.88E-01	4.67E-01	7.19E-01	6.22E-02	NA	1.49E+00	4.86E-01
Total	**966**	**897.64**	**1.02E+00**	**1.08E+00**	**1.13E+00**	**NA**	**NA**	**NA**	**NA**

Table A-12. PWR loss of instrument air.

			Plot Yearly Rates and Confidence Limits			Baseline Period Rate and Limits			Fitted Line
CY	**Events**	**Rx Yrs**	**Lower (5%)**	**Mean**	**Upper (95%)**	**Lower (5%)**	**Mean**	**Upper (95%)**	**Mean**
1988	4	53.07	2.57E-02	7.54E-02	1.72E-01	NA	NA	NA	NA
1989	0	52.7	0.00E+00	0.00E+00	5.68E-02	NA	NA	NA	NA
1990	2	54.22	6.55E-03	3.69E-02	1.16E-01	NA	NA	NA	NA
1991	0	57.65	0.00E+00	0.00E+00	5.20E-02	NA	NA	NA	NA
1992	1	58.37	8.79E-04	1.71E-02	8.13E-02	NA	NA	NA	NA
1993	0	56.11	0.00E+00	0.00E+00	5.34E-02	NA	NA	NA	NA
1994	0	59.16	0.00E+00	0.00E+00	5.06E-02	NA	NA	NA	NA
1995	0	59.21	0.00E+00	0.00E+00	5.06E-02	NA	NA	NA	NA
1996	1	58.72	8.74E-04	1.70E-02	8.08E-02	NA	NA	NA	NA
1997	1	52.88	9.70E-04	1.89E-02	8.97E-02	0.00E+00	7.85E-03	6.70E-02	NA
1998	0	57.05	0.00E+00	0.00E+00	5.25E-02	0.00E+00	7.85E-03	6.70E-02	NA
1999	0	60.4	0.00E+00	0.00E+00	4.96E-02	0.00E+00	7.85E-03	6.70E-02	NA
2000	0	61.34	0.00E+00	0.00E+00	4.88E-02	0.00E+00	7.85E-03	6.70E-02	NA
2001	2	62.36	5.70E-03	3.21E-02	1.01E-01	0.00E+00	7.85E-03	6.70E-02	NA
2002	0	62.71	0.00E+00	0.00E+00	4.78E-02	0.00E+00	7.85E-03	6.70E-02	NA
2003	1	61.17	8.38E-04	1.63E-02	7.75E-02	0.00E+00	7.85E-03	6.70E-02	NA
2004	0	63.24	0.00E+00	0.00E+00	4.74E-02	0.00E+00	7.85E-03	6.70E-02	NA
2005	0	62.35	0.00E+00	0.00E+00	4.80E-02	0.00E+00	7.85E-03	6.70E-02	NA
2006	1	62.21	8.25E-04	1.61E-02	7.63E-02	0.00E+00	7.85E-03	6.70E-02	NA
2007	1	63.96	8.02E-04	1.56E-02	7.42E-02	0.00E+00	7.85E-03	6.70E-02	NA
2008	0	62.52	0.00E+00	0.00E+00	4.79E-02	0.00E+00	7.85E-03	6.70E-02	6.26E-03
2009	1	62.1	8.26E-04	1.61E-02	7.64E-02	0.00E+00	7.85E-03	6.70E-02	5.93E-03
2010	0	62.47	0.00E+00	0.00E+00	4.80E-02	0.00E+00	7.85E-03	6.70E-02	5.61E-03
2011	0	60.7	0.00E+00	0.00E+00	4.94E-02	0.00E+00	7.85E-03	6.70E-02	5.31E-03
2012	0	58.07	0.00E+00	0.00E+00	5.16E-02	0.00E+00	7.85E-03	6.70E-02	5.03E-03
2013	1	58.95	8.70E-04	1.70E-02	8.05E-02	0.00E+00	7.85E-03	6.70E-02	4.76E-03
2014	1	59.54	8.61E-04	1.68E-02	7.97E-02	0.00E+00	7.85E-03	6.70E-02	4.51E-03
2015	0	59.47	0.00E+00	0.00E+00	5.04E-02	0.00E+00	7.85E-03	6.70E-02	4.27E-03
2016	0	60.38	0.00E+00	0.00E+00	4.96E-02	0.00E+00	NA	6.70E-02	4.04E-03
2017	0	59.73	0.00E+00	0.00E+00	5.02E-02	0.00E+00	NA	6.70E-02	3.82E-03
Total	**17**	**1782.81**	**6.08E-03**	**9.54E-03**	**1.43E-02**	**NA**	**NA**	**NA**	**NA**

Table A-13. PWR steam generator tube rupture.

			Plot Yearly Rates and Confidence Limits			Baseline Period Rate and Limits			Fitted Line
CY	**Events**	**Rx Yrs**	**Lower (5%)**	**Mean**	**Fitted Line**	**Lower (5%)**	**Mean**	**Upper (95%)**	**Mean**
1988	0	53.07	0.00E+00	0.00E+00	NA	NA	NA	NA	NA
1989	1	52.7	9.73E-04	1.90E-02	NA	NA	NA	NA	NA
1990	0	54.22	0.00E+00	0.00E+00	NA	NA	NA	NA	NA
1991	0	57.65	0.00E+00	0.00E+00	NA	0.00E+00	1.66E-03	3.35E-02	NA
1992	0	58.37	0.00E+00	0.00E+00	NA	0.00E+00	1.66E-03	3.35E-02	NA
1993	1	56.11	9.14E-04	1.78E-02	NA	0.00E+00	1.66E-03	3.35E-02	NA
1994	0	59.16	0.00E+00	0.00E+00	NA	0.00E+00	1.66E-03	3.35E-02	NA
1995	0	59.21	0.00E+00	0.00E+00	NA	0.00E+00	1.66E-03	3.35E-02	NA
1996	0	58.72	0.00E+00	0.00E+00	NA	0.00E+00	1.66E-03	3.35E-02	NA
1997	0	52.88	0.00E+00	0.00E+00	NA	0.00E+00	1.66E-03	3.35E-02	NA
1998	0	57.05	0.00E+00	0.00E+00	NA	0.00E+00	1.66E-03	3.35E-02	NA
1999	0	60.4	0.00E+00	0.00E+00	NA	0.00E+00	1.66E-03	3.35E-02	NA
2000	1	61.34	8.36E-04	1.63E-02	NA	0.00E+00	1.66E-03	3.35E-02	NA
2001	0	62.36	0.00E+00	0.00E+00	NA	0.00E+00	1.66E-03	3.35E-02	NA
2002	0	62.71	0.00E+00	0.00E+00	NA	0.00E+00	1.66E-03	3.35E-02	NA
2003	0	61.17	0.00E+00	0.00E+00	NA	0.00E+00	1.66E-03	3.35E-02	NA
2004	0	63.24	0.00E+00	0.00E+00	NA	0.00E+00	1.66E-03	3.35E-02	NA
2005	0	62.35	0.00E+00	0.00E+00	NA	0.00E+00	1.66E-03	3.35E-02	NA
2006	0	62.21	0.00E+00	0.00E+00	NA	0.00E+00	1.66E-03	3.35E-02	NA
2007	0	63.96	0.00E+00	0.00E+00	NA	0.00E+00	1.66E-03	3.35E-02	NA
2008	0	62.52	0.00E+00	0.00E+00	4.79E-02	0.00E+00	1.66E-03	3.35E-02	1.11E-21
2009	0	62.1	0.00E+00	0.00E+00	4.82E-02	0.00E+00	1.66E-03	3.35E-02	1.92E-20
2010	0	62.47	0.00E+00	0.00E+00	4.80E-02	0.00E+00	1.66E-03	3.35E-02	3.30E-19
2011	0	60.7	0.00E+00	0.00E+00	4.94E-02	0.00E+00	1.66E-03	3.35E-02	5.67E-18
2012	0	58.07	0.00E+00	0.00E+00	5.16E-02	0.00E+00	1.66E-03	3.35E-02	9.75E-17
2013	0	58.95	0.00E+00	0.00E+00	5.08E-02	0.00E+00	1.66E-03	3.35E-02	1.68E-15
2014	0	59.54	0.00E+00	0.00E+00	5.03E-02	0.00E+00	1.66E-03	3.35E-02	2.88E-14
2015	0	59.47	0.00E+00	0.00E+00	5.04E-02	0.00E+00	1.66E-03	3.35E-02	4.96E-13
2016	0	60.38	0.00E+00	0.00E+00	4.96E-02	0.00E+00	NA	3.35E-02	8.53E-12
2017	0	59.73	0.00E+00	0.00E+00	5.02E-02	0.00E+00	NA	3.35E-02	1.47E-10
Total	**3**	**1782.81**	**4.59E-04**	**1.68E-03**	**4.35E-03**	**NA**	**NA**	**NA**	**NA**

Table A-14. PWR stuck open safety relief valve.

			Plot Yearly Rates and Confidence Limits			Baseline Period Rate and Limits			Fitted Line
CY	**Events**	**Rx Yrs**	**Lower (5%)**	**Mean**	**Upper (95%)**	**Lower (5%)**	**Mean**	**Upper (95%)**	**Mean**
1988	0	53.07	0.00E+00	0.00E+00	5.64E-02	0.00E+00	1.50E-03	3.35E-02	NA
1989	0	52.7	0.00E+00	0.00E+00	5.68E-02	0.00E+00	1.50E-03	3.35E-02	NA
1990	0	54.22	0.00E+00	0.00E+00	5.53E-02	0.00E+00	1.50E-03	3.35E-02	NA
1991	0	57.65	0.00E+00	0.00E+00	5.20E-02	0.00E+00	1.50E-03	3.35E-02	NA
1992	1	58.37	8.79E-04	1.71E-02	8.13E-02	0.00E+00	1.50E-03	3.35E-02	NA
1993	0	56.11	0.00E+00	0.00E+00	5.34E-02	0.00E+00	1.50E-03	3.35E-02	NA
1994	1	59.16	8.67E-04	1.69E-02	8.02E-02	0.00E+00	1.50E-03	3.35E-02	NA
1995	0	59.21	0.00E+00	0.00E+00	5.06E-02	0.00E+00	1.50E-03	3.35E-02	NA
1996	0	58.72	0.00E+00	0.00E+00	5.10E-02	0.00E+00	1.50E-03	3.35E-02	NA
1997	0	52.88	0.00E+00	0.00E+00	5.67E-02	0.00E+00	1.50E-03	3.35E-02	NA
1998	0	57.05	0.00E+00	0.00E+00	5.25E-02	0.00E+00	1.50E-03	3.35E-02	NA
1999	0	60.4	0.00E+00	0.00E+00	4.96E-02	0.00E+00	1.50E-03	3.35E-02	NA
2000	0	61.34	0.00E+00	0.00E+00	4.88E-02	0.00E+00	1.50E-03	3.35E-02	NA
2001	0	62.36	0.00E+00	0.00E+00	4.80E-02	0.00E+00	1.50E-03	3.35E-02	NA
2002	0	62.71	0.00E+00	0.00E+00	4.78E-02	0.00E+00	1.50E-03	3.35E-02	NA
2003	0	61.17	0.00E+00	0.00E+00	4.90E-02	0.00E+00	1.50E-03	3.35E-02	NA
2004	0	63.24	0.00E+00	0.00E+00	4.74E-02	0.00E+00	1.50E-03	3.35E-02	NA
2005	0	62.35	0.00E+00	0.00E+00	4.80E-02	0.00E+00	1.50E-03	3.35E-02	NA
2006	0	62.21	0.00E+00	0.00E+00	4.82E-02	0.00E+00	1.50E-03	3.35E-02	NA
2007	0	63.96	0.00E+00	0.00E+00	4.68E-02	0.00E+00	1.50E-03	3.35E-02	NA
2008	0	62.52	0.00E+00	0.00E+00	4.79E-02	0.00E+00	1.50E-03	3.35E-02	1.11E-21
2009	0	62.1	0.00E+00	0.00E+00	4.82E-02	0.00E+00	1.50E-03	3.35E-02	1.92E-20
2010	0	62.47	0.00E+00	0.00E+00	4.80E-02	0.00E+00	1.50E-03	3.35E-02	3.30E-19
2011	0	60.7	0.00E+00	0.00E+00	4.94E-02	0.00E+00	1.50E-03	3.35E-02	5.67E-18
2012	0	58.07	0.00E+00	0.00E+00	5.16E-02	0.00E+00	1.50E-03	3.35E-02	9.75E-17
2013	0	58.95	0.00E+00	0.00E+00	5.08E-02	0.00E+00	1.50E-03	3.35E-02	1.68E-15
2014	0	59.54	0.00E+00	0.00E+00	5.03E-02	0.00E+00	1.50E-03	3.35E-02	2.88E-14
2015	0	59.47	0.00E+00	0.00E+00	5.04E-02	0.00E+00	1.50E-03	3.35E-02	4.96E-13
2016	0	60.38	0.00E+00	0.00E+00	4.96E-02	0.00E+00	NA	3.35E-02	8.53E-12
2017	0	59.73	0.00E+00	0.00E+00	5.02E-02	0.00E+00	NA	3.35E-02	1.47E-10
Total	**2**	**1782.81**	**1.99E-04**	**1.12E-03**	**3.53E-03**	**NA**	**NA**	**NA**	**NA**

Table A-15. PWR loss of heat sink.

			Plot Yearly Rates and Confidence Limits			Baseline Period Rate and Limits			Fitted Line
CY	**Events**	**Rx Yrs**	**Lower (5%)**	**Mean**	**Upper (95%)**	**Lower (5%)**	**Mean**	**Upper (95%)**	**Mean**
1988	6	53.07	4.92E-02	1.13E-01	2.23E-01	NA	NA	NA	NA
1989	11	52.7	1.17E-01	2.09E-01	3.45E-01	NA	NA	NA	NA
1990	10	54.22	1.00E-01	1.84E-01	3.13E-01	NA	NA	NA	NA
1991	7	57.65	5.70E-02	1.21E-01	2.28E-01	NA	NA	NA	NA
1992	5	58.37	3.38E-02	8.57E-02	1.80E-01	NA	NA	NA	NA
1993	4	56.11	2.44E-02	7.13E-02	1.63E-01	NA	NA	NA	NA
1994	8	59.16	6.73E-02	1.35E-01	2.44E-01	NA	NA	NA	NA
1995	5	59.21	3.33E-02	8.44E-02	1.78E-01	NA	NA	NA	NA
1996	3	58.72	1.39E-02	5.11E-02	1.32E-01	NA	NA	NA	NA
1997	3	52.88	1.55E-02	5.67E-02	1.47E-01	NA	NA	NA	NA
1998	1	57.05	8.99E-04	1.75E-02	8.32E-02	NA	NA	NA	NA
1999	4	60.4	2.26E-02	6.62E-02	1.52E-01	NA	NA	NA	NA
2000	4	61.34	2.23E-02	6.52E-02	1.49E-01	NA	NA	NA	NA
2001	6	62.36	4.19E-02	9.62E-02	1.90E-01	NA	NA	NA	NA
2002	1	62.71	8.18E-04	1.59E-02	7.56E-02	NA	NA	NA	NA
2003	4	61.17	2.23E-02	6.54E-02	1.50E-01	NA	NA	NA	NA
2004	7	63.24	5.19E-02	1.11E-01	2.08E-01	NA	NA	NA	NA
2005	7	62.35	5.27E-02	1.12E-01	2.11E-01	NA	NA	NA	NA
2006	2	62.21	5.71E-03	3.21E-02	1.01E-01	NA	NA	NA	NA
2007	1	63.96	8.02E-04	1.56E-02	7.42E-02	NA	NA	NA	NA
2008	1	62.52	8.20E-04	1.60E-02	7.59E-02	0.00E+00	2.70E-02	1.17E-01	3.77E-02
2009	4	62.1	2.20E-02	6.44E-02	1.47E-01	0.00E+00	2.70E-02	1.17E-01	3.46E-02
2010	1	62.47	8.21E-04	1.60E-02	7.59E-02	0.00E+00	2.70E-02	1.17E-01	3.17E-02
2011	3	60.7	1.35E-02	4.94E-02	1.28E-01	0.00E+00	2.70E-02	1.17E-01	2.91E-02
2012	1	58.07	8.83E-04	1.72E-02	8.17E-02	0.00E+00	2.70E-02	1.17E-01	2.67E-02
2013	2	58.95	6.03E-03	3.39E-02	1.07E-01	0.00E+00	2.70E-02	1.17E-01	2.45E-02
2014	0	59.54	0.00E+00	0.00E+00	5.03E-02	0.00E+00	2.70E-02	1.17E-01	2.25E-02
2015	1	59.47	8.63E-04	1.68E-02	7.98E-02	0.00E+00	2.70E-02	1.17E-01	2.07E-02
2016	3	60.38	1.35E-02	4.97E-02	1.28E-01	0.00E+00	NA	1.17E-01	1.90E-02
2017	0	59.73	0.00E+00	0.00E+00	5.02E-02	0.00E+00	NA	1.17E-01	1.74E-02
Total	**115**	**1782.81**	**5.49E-02**	**6.45E-02**	**7.53E-02**	**NA**	**NA**	**NA**	**NA**

Table A-16. PWR general transients.

			Plot Yearly Rates and Confidence Limits			Baseline Period Rate and Limits			Fitted Line
CY	**Events**	**Rx Yrs**	**Lower (5%)**	**Mean**	**Upper (95%)**	**Lower (5%)**	**Mean**	**Upper (95%)**	**Mean**
1988	167	53.07	2.76E+00	3.15E+00	3.58E+00	NA	NA	NA	NA
1989	147	52.7	2.42E+00	2.79E+00	3.20E+00	NA	NA	NA	NA
1990	128	54.22	2.03E+00	2.36E+00	2.73E+00	NA	NA	NA	NA
1991	116	57.65	1.72E+00	2.01E+00	2.35E+00	NA	NA	NA	NA
1992	113	58.37	1.65E+00	1.94E+00	2.26E+00	NA	NA	NA	NA
1993	91	56.11	1.35E+00	1.62E+00	1.93E+00	NA	NA	NA	NA
1994	78	59.16	1.08E+00	1.32E+00	1.59E+00	NA	NA	NA	NA
1995	89	59.21	1.25E+00	1.50E+00	1.79E+00	NA	NA	NA	NA
1996	74	58.72	1.03E+00	1.26E+00	1.53E+00	NA	NA	NA	NA
1997	53	52.88	7.87E-01	1.00E+00	1.26E+00	NA	NA	NA	NA
1998	49	57.05	6.68E-01	8.59E-01	1.09E+00	NA	NA	NA	NA
1999	48	60.4	6.16E-01	7.95E-01	1.01E+00	NA	NA	NA	NA
2000	47	61.34	5.92E-01	7.66E-01	9.77E-01	NA	NA	NA	NA
2001	43	62.36	5.26E-01	6.90E-01	8.89E-01	NA	NA	NA	NA
2002	46	62.71	5.65E-01	7.34E-01	9.38E-01	NA	NA	NA	NA
2003	63	61.17	8.26E-01	1.03E+00	1.27E+00	NA	NA	NA	NA
2004	43	63.24	5.19E-01	6.80E-01	8.77E-01	NA	NA	NA	NA
2005	30	62.35	3.46E-01	4.81E-01	6.53E-01	NA	NA	NA	NA
2006	39	62.21	4.71E-01	6.27E-01	8.19E-01	NA	NA	NA	NA
2007	30	63.96	3.38E-01	4.69E-01	6.36E-01	NA	NA	NA	NA
2008	44	62.52	5.39E-01	7.04E-01	9.05E-01	NA	NA	NA	7.24E-01
2009	36	62.1	4.30E-01	5.80E-01	7.66E-01	NA	NA	NA	6.88E-01
2010	50	62.47	6.24E-01	8.00E-01	1.01E+00	NA	NA	NA	6.55E-01
2011	34	60.7	4.12E-01	5.60E-01	7.46E-01	1.67E-01	5.91E-01	1.24E+00	6.22E-01
2012	30	58.07	3.72E-01	5.17E-01	7.01E-01	1.67E-01	5.91E-01	1.24E+00	5.92E-01
2013	38	58.95	4.83E-01	6.45E-01	8.45E-01	1.67E-01	5.91E-01	1.24E+00	5.63E-01
2014	35	59.54	4.34E-01	5.88E-01	7.79E-01	1.67E-01	5.91E-01	1.24E+00	5.35E-01
2015	37	59.47	4.64E-01	6.22E-01	8.19E-01	1.67E-01	5.91E-01	1.24E+00	5.09E-01
2016	33	60.38	4.00E-01	5.47E-01	7.31E-01	1.67E-01	NA	1.24E+00	4.84E-01
2017	16	59.73	1.68E-01	2.68E-01	4.07E-01	1.67E-01	NA	1.24E+00	4.60E-01
Total	**1847**	**1782.81**	**9.97E-01**	**1.04E+00**	**1.08E+00**	**NA**	**NA**	**NA**	**NA**

Appendix A-2 TREND CHART LER LISTING

Table A-17. Loss of off-site power LERs.

Plant Name	LER	CY	Event Date
Arkansas Unit 1	3132017001	2017	4/26/2017
Beaver Valley Unit 1	3341993013	1993	10/12/1993
Braidwood Unit 1	4561988022	1988	10/16/1988
Braidwood Unit 2	4572009002	2009	7/30/2009
Browns Ferry Unit 1	2592011001	2011	4/27/2011
Browns Ferry Unit 2	2592011001	2011	4/27/2011
Browns Ferry Unit 3	2592011001	2011	4/27/2011
Browns Ferry Unit 3	2962012003	2012	5/22/2012
Brunswick Unit 1	3252004002	2004	8/14/2004
Brunswick Unit 1	3252016001	2016	2/7/2016
Brunswick Unit 2	3241989009	1989	6/17/1989
Brunswick Unit 2	3242006001	2006	11/1/2006
Byron Unit 2	4542012001	2012	1/30/2012
Calvert Cliffs Unit 1	3172015002	2015	4/7/2015
Calvert Cliffs Unit 2	3172015002	2015	4/7/2015
Catawba Unit 1	4132006001	2006	5/20/2006
Catawba Unit 1	4132012001	2012	4/4/2012
Catawba Unit 2	4141996001	1996	2/6/1996
Catawba Unit 2	4132006001	2006	5/20/2006
Cook Unit 1	3151991004	1991	5/12/1991
Crystal River Unit 3	3021989023	1989	6/16/1989
Crystal River Unit 3	3021992001	1992	3/27/1992
Davis-Besse	3461998006	1998	6/24/1998
Diablo Canyon Unit 1	2752000004	2000	5/15/2000
Diablo Canyon Unit 2	3231988008	1988	7/17/1988
Dresden Unit 2	2371990002	1990	1/16/1990
Dresden Unit 3	2491989001	1989	3/25/1989
Dresden Unit 3	2492004003	2004	5/5/2004
Fermi Unit 2	3412003002	2003	8/14/2003
FitzPatrick	3332003001	2003	8/14/2003
Ginna	2442003002	2003	8/14/2003
Grand Gulf	4162003002	2003	4/24/2003
Indian Point Unit 2	2471999015	1999	8/31/1999
Indian Point Unit 2	2472003005	2003	8/14/2003
Indian Point Unit 3	2862003005	2003	8/14/2003
La Salle Unit 1	3731993015	1993	9/14/1993
La Salle Unit 1	3732013002	2013	4/17/2013
La Salle Unit 2	3732013002	2013	4/17/2013
Nine Mile Pt. Unit 2	4102003002	2003	8/14/2003
North Anna Unit 1	3382011003	2011	8/23/2011
North Anna Unit 2	3382011003	2011	8/23/2011
Oconee Unit 2	2701992004	1992	10/19/1992
Oyster Creek	2191989015	1989	5/18/1989
Oyster Creek	2191992005	1992	5/3/1992
Oyster Creek	2191997010	1997	8/1/1997
Oyster Creek	2192009005	2009	7/12/2009
Oyster Creek	2192012001	2012	7/23/2012
Palo Verde Unit 1	5282004006	2004	6/14/2004
Palo Verde Unit 2	5282004006	2004	6/14/2004
Palo Verde Unit 3	5282004006	2004	6/14/2004
Peach Bottom Unit 2	2772003004	2003	9/15/2003
Peach Bottom Unit 3	2772003004	2003	9/15/2003
Perry	4402003002	2003	8/14/2003
Pilgrim	2931993004	1993	3/13/1993
Pilgrim	2931993022	1993	9/10/1993
Pilgrim	2932013003	2013	2/8/2013
Pilgrim	2932013009	2013	10/14/2013
Pilgrim	2932015001	2015	1/27/2015
Point Beach Unit 2	3011989002	1989	3/29/1989
Prairie Island Unit 1	2821996012	1996	6/29/1996
Prairie Island Unit 2	2821996012	1996	6/29/1996
Quad Cities Unit 2	2652001001	2001	8/2/2001
Robinson Unit 2	2611992017	1992	8/22/1992
Robinson Unit 2	2612016005	2016	10/8/2016
Salem Unit 1	2722003002	2003	7/29/2003
San Onofre Unit 3	3622002001	2002	2/27/2002
Seabrook	4431991008	1991	6/27/1991
Seabrook	4432001002	2001	3/5/2001
Sequoyah Unit 1	3271992027	1992	12/31/1992
Sequoyah Unit 2	3271992027	1992	12/31/1992
St. Lucie Unit 1	3352016003	2016	8/21/2016
Summer	3951989012	1989	7/11/1989
Surry Unit 1	2802011001	2011	4/16/2011
Surry Unit 2	2802011001	2011	4/16/2011
Three Mile Isl Unit 1	2891997007	1997	6/21/1997
Turkey Point Unit 4	2512013002	2013	4/19/2013

Table A-17. (continued).

Plant Name	LER	CY	Event Date
Maine Yankee	3091988006	1988	8/13/1988
McGuire Unit 1	3691991001	1991	2/11/1991
McGuire Unit 2	3701993008	1993	12/27/1993
Millstone Unit 2	3361988011	1988	10/25/1988
Millstone Unit 2	3362014006	2014	5/25/2014
Millstone Unit 3	3362014006	2014	5/25/2014
Nine Mile Pt. Unit 1	2202003002	2003	8/14/2003

Plant Name	LER	CY	Event Date
Vermont Yankee	2711991009	1991	4/23/1991
Waterford Unit 3	3822017002	2017	7/17/2017
Wolf Creek	4822009002	2009	8/19/2009
Wolf Creek	4822012001	2012	1/13/2012
Yankee-Rowe	291991002	1991	6/15/1991
Zion Unit 2	3041991002	1991	3/21/1991

Table A-18. Loss of vital AC bus LERs.

Plant Name	LER	CY	Event Date
Callaway	4831989008	1989	6/23/1989
Calvert Cliffs Unit 2	3182010001	2010	2/18/2010
Clinton Unit 1	4612000001	2000	5/17/2000
Davis-Besse	3461998011	1998	10/14/1998
Indian Point Unit 2	2471999015	1999	8/31/1999
La Salle Unit 2	3742001003	2001	9/3/2001
Limerick Unit 1	3522012002	2012	4/19/2012
Limerick Unit 2	3531994010	1994	10/19/1994
Oyster Creek	2192003002	2003	5/20/2003
Peach Bottom Unit 2	2771992010	1992	7/4/1992
Pilgrim	2932001006	2001	8/13/2001
Surry Unit 1	2802010003	2010	6/8/2010
Susquehanna Unit 2	3881992001	1992	3/18/1992
Turkey Point Unit 3	2502017001	2017	3/18/2017

Table A-19. Loss of vital DC bus LERs.

Plant Name	LER	CY	Event Date
Indian Point Unit 3	2861999010	1999	8/12/1999
Palisades	2552011007	2011	9/25/2011

Table A-20. Very small loss of coolant accident LERs.

Plant Name	LER	CY	Event Date
Arkansas Unit 2	3681988011	1988	8/1/1988
Clinton Unit 1	4611996010	1996	9/6/1996
Hope Creek	3542005003	2005	6/7/2005
North Anna Unit 1	3381989005	1989	2/25/1989
Oconee Unit 3	2871991008	1991	11/23/1991

Table A-21. Partial loss of component cooling water LERs.

Plant Name	LER	CY	Event Date
Cook Unit 1	3152003003	2003	4/24/2003
Cook Unit 2	3152003003	2003	4/24/2003
Dresden Unit 3	2492001003	2001	7/5/2001
Robinson Unit 2	2612010002	2010	3/28/2010

Table A-22. Loss of feedwater LERs.

Plant Name	LER	CY	Event Date
Arkansas Unit 1	3131989048	1989	12/28/1989
Arkansas Unit 1	3131991005	1991	5/21/1991
Arkansas Unit 1	3131995004	1995	4/3/1995
Big Rock Point	1551994010	1994	11/29/1994
Braidwood Unit 1	4561988025	1988	11/15/1988
Braidwood Unit 2	4571988029	1988	10/25/1988
Braidwood Unit 2	4561988025	1988	11/15/1988
Browns Ferry Unit 2	2601991018	1991	10/18/1991
Brunswick Unit 1	3251995018	1995	9/30/1995
Brunswick Unit 2	3242005002	2005	4/9/2005
Byron Unit 1	4541990014	1990	12/3/1990
Byron Unit 2	4551988008	1988	7/14/1988
Byron Unit 2	4552016001	2016	10/12/2016
Callaway	4831999008	1999	11/26/1999
Callaway	4832004005	2004	2/15/2004
Calvert Cliffs Unit 1	3171999006	1999	9/22/1999
Calvert Cliffs Unit 1	3172004001	2004	3/20/2004
Calvert Cliffs Unit 2	3181991005	1991	5/2/1991
Calvert Cliffs Unit 2	3181992005	1992	8/1/1992
Catawba Unit 1	4131991015	1991	7/10/1991
Catawba Unit 1	4131991019	1991	9/11/1991
Catawba Unit 2	4141988031	1988	11/23/1988
Catawba Unit 2	4141989002	1989	1/21/1989
Catawba Unit 2	4141995005	1995	5/1/1995
Catawba Unit 2	4142000003	2000	6/5/2000
Clinton Unit 1	4611999008	1999	5/14/1999
Clinton Unit 1	4612000001	2000	5/17/2000
Columbia	3971988006	1988	2/13/1988
Columbia	3972004005	2004	8/15/2004
Columbia	3972004006	2004	8/17/2004
Columbia	3972005004	2005	6/23/2005
Columbia	3972007004	2007	6/28/2007
Comanche Peak Unit 1	4451990013	1990	5/9/1990
Comanche Peak Unit 1	4451990030	1990	9/15/1990
Comanche Peak Unit 1	4451992014	1992	6/11/1992
Comanche Peak Unit 1	4451992019	1992	7/20/1992
Comanche Peak Unit 1	4451995003	1995	6/11/1995
Comanche Peak Unit 1	4451996002	1996	1/22/1996
Comanche Peak Unit 1	4452003002	2003	3/16/2003
Comanche Peak Unit 2	4461993011	1993	11/17/1993
Monticello	2631988007	1988	12/16/1988
Monticello	2631996006	1996	6/9/1996
Monticello	2631999004	1999	4/22/1999
Monticello	2632001011	2001	10/23/2001
Nine Mile Pt. Unit 2	4101988014	1988	3/13/1988
Nine Mile Pt. Unit 2	4101991023	1991	12/12/1991
Nine Mile Pt. Unit 2	4101992017	1992	8/22/1992
Nine Mile Pt. Unit 2	4101999005	1999	4/24/1999
Nine Mile Pt. Unit 2	4101999010	1999	6/24/1999
Oconee Unit 1	2691988009	1988	7/5/1988
Oconee Unit 1	2691994002	1994	2/26/1994
Oconee Unit 1	2691999005	1999	7/7/1999
Oconee Unit 1	2692001002	2001	9/12/2001
Oconee Unit 2	2701989004	1989	4/3/1989
Oconee Unit 2	2701994002	1994	4/6/1994
Oconee Unit 2	2701994005	1994	12/8/1994
Oconee Unit 3	2871991007	1991	7/3/1991
Oconee Unit 3	2871994002	1994	8/10/1994
Oconee Unit 3	2871994003	1994	8/12/1994
Oyster Creek	2192000003	2000	3/1/2000
Palisades	2551990001	1990	1/9/1990
Palisades	2551995003	1995	5/22/1995
Palisades	2552000003	2000	4/4/2000
Palisades	2552004001	2004	8/31/2004
Palisades	2552011008	2011	12/14/2011
Palo Verde Unit 2	5291993004	1993	11/1/1993
Palo Verde Unit 2	5291996001	1996	1/21/1996
Palo Verde Unit 3	5302011001	2011	1/19/2011
Peach Bottom Unit 2	2771989033	1989	12/20/1989
Peach Bottom Unit 3	2781993002	1993	3/7/1993
Peach Bottom Unit 3	2781994005	1994	10/11/1994
Perry	4401988012	1988	4/27/1988
Perry	4401990001	1990	1/7/1990
Perry	4402001003	2001	7/11/2001
Perry	4402007004	2007	11/28/2007
Perry	4402013001	2013	1/22/2013
Perry	4402014004	2014	10/20/2014
Perry	4402014005	2014	11/7/2014
Pilgrim	2931994005	1994	8/29/1994
Prairie Island Unit 1	2821999001	1999	1/5/1999

Table A-22. (continued).

Plant Name	LER	CY	Event Date
Comanche Peak Unit 2	4462006002	2006	10/27/2006
Comanche Peak Unit 2	4462017003	2017	11/25/2017
Cook Unit 1	3151991004	1991	5/12/1991
Crystal River Unit 3	3021988024	1988	10/28/1988
Crystal River Unit 3	3022004001	2004	3/24/2004
Crystal River Unit 3	3022004003	2004	9/6/2004
Crystal River Unit 3	3022005003	2005	10/29/2005
Crystal River Unit 3	3022007002	2007	2/21/2007
Diablo Canyon Unit 1	2751990002	1990	2/20/1990
Diablo Canyon Unit 1	2751995015	1995	11/28/1995
Diablo Canyon Unit 1	2751996008	1996	6/10/1996
Diablo Canyon Unit 2	3231997003	1997	7/2/1997
Dresden Unit 2	2371989012	1989	3/4/1989
Dresden Unit 3	2491992021	1992	10/13/1992
Dresden Unit 3	2491996004	1996	5/15/1996
Farley Unit 1	3481991010	1991	10/3/1991
Farley Unit 1	3481998004	1998	9/9/1998
Farley Unit 1	3482002004	2002	12/10/2002
Farley Unit 2	3641989007	1989	5/22/1989
Farley Unit 2	3641989010	1989	9/20/1989
Farley Unit 2	3641990001	1990	5/12/1990
Farley Unit 2	3641991002	1991	4/9/1991
Farley Unit 2	3641995005	1995	6/1/1995
Farley Unit 2	3641995005	1995	6/3/1995
Fermi Unit 2	3411988004	1988	1/10/1988
Fermi Unit 2	3411992012	1992	11/18/1992
Fermi Unit 2	3411996024	1996	12/28/1996
Ginna	2441990019	1990	12/21/1990
Ginna	2442005001	2005	2/16/2005
Grand Gulf	4161988006	1988	1/20/1988
Grand Gulf	4161990028	1990	12/10/1990
Grand Gulf	4161990029	1990	12/18/1990
Grand Gulf	4161991004	1991	6/11/1991
Grand Gulf	4161991007	1991	7/28/1991
Grand Gulf	4162003001	2003	1/30/2003
Grand Gulf	4162005001	2005	2/11/2005
Grand Gulf	4162008004	2008	10/23/2008
Harris	4001988028	1988	10/14/1988
Harris	4001988032	1988	10/30/1988
Harris	4001989004	1989	2/7/1989
Harris	4002003002	2003	5/20/2003
Rancho Seco	3121988019	1988	12/12/1988
River Bend	4582004002	2004	10/1/2004
River Bend	4582006007	2006	10/19/2006
Robinson Unit 2	2611991011	1991	8/30/1991
Salem Unit 1	2721993002	1993	1/16/1993
Salem Unit 1	2722000001	2000	1/6/2000
Salem Unit 1	2722000005	2000	12/8/2000
Salem Unit 2	3111990029	1990	6/28/1990
Salem Unit 2	3111993002	1993	1/28/1993
Salem Unit 2	3111997014	1997	10/2/1997
Salem Unit 2	3112007003	2007	8/6/2007
San Onofre Unit 2	3612004002	2004	4/10/2004
San Onofre Unit 3	3621999003	1999	5/13/1999
Seabrook	4431991001	1991	2/12/1991
Seabrook	4431992017	1992	9/7/1992
Seabrook	4431993001	1993	1/3/1993
Sequoyah Unit 1	3271990012	1990	6/2/1990
Sequoyah Unit 1	3271994008	1994	5/1/1994
Sequoyah Unit 1	3271998001	1998	5/19/1998
Sequoyah Unit 1	3272009003	2009	3/26/2009
Sequoyah Unit 2	3282005001	2005	2/23/2005
Sequoyah Unit 2	3272009003	2009	3/26/2009
South Texas Unit 1	4982015001	2015	12/21/2015
South Texas Unit 2	4991989020	1989	8/29/1989
St. Lucie Unit 1	3351989003	1989	7/17/1989
St. Lucie Unit 1	3352002002	2002	10/24/2002
St. Lucie Unit 2	3891990001	1990	1/14/1990
St. Lucie Unit 2	3892004005	2004	12/27/2004
Summer	3951997002	1997	4/26/1997
Summer	3952005003	2005	8/25/2005
Summer	3952014004	2014	7/22/2014
Surry Unit 2	2811993006	1993	11/15/1993
Trojan	3441992028	1992	9/13/1992
Rancho Seco	3121988019	1988	12/12/1988
River Bend	4582004002	2004	10/1/2004
River Bend	4582006007	2006	10/19/2006
Robinson Unit 2	2611991011	1991	8/30/1991
Salem Unit 1	2721993002	1993	1/16/1993
Salem Unit 1	2722000001	2000	1/6/2000
Salem Unit 1	2722000005	2000	12/8/2000
Salem Unit 2	3111990029	1990	6/28/1990

Table A-22. (continued).

Plant Name	LER	CY	Event Date
Hatch Unit 1	3211988013	1988	9/4/1988
Hatch Unit 1	3211991007	1991	2/27/1991
Hatch Unit 1	3211991017	1991	9/11/1991
Hatch Unit 1	3211996009	1996	5/26/1996
Hatch Unit 1	3212000011	2000	9/29/2000
Hatch Unit 1	3212008004	2008	11/22/2008
Hatch Unit 2	3661988017	1988	5/27/1988
Hatch Unit 2	3661989005	1989	9/3/1989
Hatch Unit 2	3661992009	1992	6/25/1992
Hatch Unit 2	3661995001	1995	4/11/1995
Hatch Unit 2	3661997007	1997	4/22/1997
Hatch Unit 2	3661999006	1999	6/15/1999
Hatch Unit 2	3662008002	2008	3/7/2008
Hope Creek	3541988027	1988	10/15/1988
Hope Creek	3541990003	1990	3/19/1990
Indian Point Unit 2	2471989002	1989	2/22/1989
Indian Point Unit 3	2861988001	1988	2/2/1988
Indian Point Unit 3	2861999010	1999	8/12/1999
Indian Point Unit 3	2862007001	2007	4/3/2007
Kewaunee	3051988004	1988	4/12/1988
Kewaunee	3051991010	1991	10/12/1991
Kewaunee	3051998005	1998	2/24/1998
Kewaunee	3052006001	2006	4/26/2006
La Salle Unit 2	3742001003	2001	9/3/2001
La Salle Unit 2	3742001004	2001	9/7/2001
Limerick Unit 1	3521991009	1991	4/12/1991
Limerick Unit 1	3521999003	1999	4/20/1999
Limerick Unit 1	3522003003	2003	4/23/2003
Limerick Unit 2	3532005004	2005	10/12/2005
Limerick Unit 2	3532015008	2015	12/19/2015
Maine Yankee	3091991006	1991	5/30/1991
McGuire Unit 1	3691990001	1990	1/8/1990
McGuire Unit 1	3691997009	1997	9/6/1997
McGuire Unit 1	3692005006	2005	12/17/2005
McGuire Unit 2	3701992006	1992	4/9/1992
Millstone Unit 2	3361991004	1991	2/16/1991
Millstone Unit 2	3362008005	2008	6/28/2008

Plant Name	LER	CY	Event Date
Salem Unit 2	3111993002	1993	1/28/1993
Salem Unit 2	3111997014	1997	10/2/1997
Salem Unit 2	3112007003	2007	8/6/2007
San Onofre Unit 2	3612004002	2004	4/10/2004
San Onofre Unit 3	3621999003	1999	5/13/1999
Seabrook	4431991001	1991	2/12/1991
Seabrook	4431992017	1992	9/7/1992
Seabrook	4431993001	1993	1/3/1993
Sequoyah Unit 1	3271990012	1990	6/2/1990
Sequoyah Unit 1	3271994008	1994	5/1/1994
Sequoyah Unit 1	3271998001	1998	5/19/1998
Sequoyah Unit 1	3272009003	2009	3/26/2009
Sequoyah Unit 2	3282005001	2005	2/23/2005
Sequoyah Unit 2	3272009003	2009	3/26/2009
South Texas Unit 1	4982015001	2015	12/21/2015
South Texas Unit 2	4991989020	1989	8/29/1989
St. Lucie Unit 1	3351989003	1989	7/17/1989
St. Lucie Unit 1	3352002002	2002	10/24/2002
St. Lucie Unit 2	3891990001	1990	1/14/1990
St. Lucie Unit 2	3892004005	2004	12/27/2004
Summer	3951997002	1997	4/26/1997
Summer	3952005003	2005	8/25/2005
Summer	3952014004	2014	7/22/2014
Surry Unit 2	2811993006	1993	11/15/1993
Trojan	3441992028	1992	9/13/1992
Vogtle Unit 1	4241990016	1990	7/23/1990
Vogtle Unit 1	4242002003	2002	4/20/2002
Vogtle Unit 2	4251996006	1996	10/14/1996
Vogtle Unit 2	4251996008	1996	10/23/1996
Vogtle Unit 2	4251998008	1998	9/4/1998
Vogtle Unit 2	4252001001	2001	4/7/2001
Vogtle Unit 2	4252002002	2002	11/13/2002
Waterford Unit 3	3821988016	1988	6/14/1988
Waterford Unit 3	3821990003	1990	3/29/1990
Yankee-Rowe	291990011	1990	12/5/1990

Table A-23. Partial loss of service water LERs.

Plant Name	LER	CY	Event Date
Cook Unit 1	3152003003	2003	4/24/2003
Cook Unit 2	3152003003	2003	4/24/2003
Millstone Unit 1	2451990016	1990	10/4/1990
Wolf Creek	4821996002	1996	1/30/1996

Table A-24. BWR loss of instrument air LERs.

Plant Name	LER	CY	Event Date
Clinton Unit 1	4612013008	2013	12/8/2013
Clinton Unit 1	4612017010	2017	12/9/2017
Cooper Station	2982006004	2006	5/22/2006
Dresden Unit 2	2371994005	1994	4/30/1994
Dresden Unit 3	2491993004	1993	1/16/1993
Duane Arnold	3311990015	1990	9/13/1990
Fermi Unit 2	3411990003	1990	4/10/1990
Grand Gulf	4161988013	1988	9/5/1988
Grand Gulf	4161990028	1990	12/10/1990
La Salle Unit 2	3741992016	1992	11/16/1992
Nine Mile Pt. Unit 2	4101988001	1988	1/20/1988
Nine Mile Pt. Unit 2	4101990009	1990	5/14/1990
Quad Cities Unit 2	2651988026	1988	10/15/1988
Susquehanna Unit 1	3871989001	1989	1/4/1989

Table A-25. BWR stuck open safety relief valve LERs.

Plant Name	LER	CY	Event Date
Brunswick Unit 2	3241990004	1990	3/13/1990
Brunswick Unit 2	3242008002	2008	11/9/2008
Columbia Nuc. Unit 2	3971992033	1992	7/6/1992
Columbia Nuc. Unit 2	3971992033	1992	7/11/1992
Dresden Unit 2	2371990006	1990	8/2/1990
Hatch Unit 1	3212002002	2002	4/19/2002
La Salle Unit 1	3731993002	1993	1/26/1993
Limerick Unit 1	3521995008	1995	9/11/1995
Limerick Unit 2	3532001001	2001	2/23/2001
Nine Mile Pt. Unit 1	2202000004	2000	10/2/2000
Nine Mile Pt. Unit 1	2202004001	2004	5/2/2004
Quad Cities Unit 1	2541989004	1989	4/17/1989
Quad Cities Unit 2	2651991012	1991	10/7/1991
Quad Cities Unit 2	2651993006	1993	3/6/1993
Quad Cities Unit 2	2652003002	2003	4/16/2003

Table A-26. BWR loss of heat sink LERs.

Plant Name	LER	CY	Event Date
Browns Ferry Unit 2	2601994005	1994	4/18/1994
Browns Ferry Unit 2	2601995007	1995	8/19/1995
Browns Ferry Unit 2	2601997001	1997	4/24/1997
Browns Ferry Unit 2	2602010003	2010	6/9/2010
Browns Ferry Unit 3	2962013003	2013	2/25/2013
Brunswick Unit 1	3251990017	1990	9/27/1990
Brunswick Unit 1	3251991018	1991	7/18/1991
Brunswick Unit 1	3251995015	1995	7/13/1995
Brunswick Unit 1	3252004002	2004	8/14/2004
Brunswick Unit 1	3252008007	2008	11/26/2008
Brunswick Unit 1	3252012001	2012	2/22/2012
Brunswick Unit 1	3252016001	2016	2/7/2016
Brunswick Unit 2	3241988018	1988	11/16/1988
Brunswick Unit 2	3241989009	1989	6/17/1989
Brunswick Unit 2	3241990009	1990	8/19/1990
Brunswick Unit 2	3242003003	2003	4/4/2003
Brunswick Unit 2	3242003004	2003	11/4/2003
Brunswick Unit 2	3242006001	2006	11/1/2006
Clinton Unit 1	4611988019	1988	7/12/1988
Clinton Unit 1	4611989029	1989	7/14/1989
Clinton Unit 1	4611991006	1991	11/16/1991
Clinton Unit 1	4612000001	2000	5/17/2000
Clinton Unit 1	4612000007	2000	12/18/2000
Columbia	3971988003	1988	2/4/1988
Columbia	3971993027	1993	8/3/1993
Columbia	3971998002	1998	3/11/1998
Columbia	3972000007	2000	9/18/2000
Columbia	3972009004	2009	8/5/2009
Columbia	3972016004	2016	12/18/2016
Cooper Station	2981990011	1990	10/17/1990
Dresden Unit 2	2371989019	1989	7/12/1989
Dresden Unit 2	2371990001	1990	1/5/1990
Dresden Unit 2	2371991004	1991	2/13/1991
Dresden Unit 2	2371991024	1991	8/26/1991
Dresden Unit 2	2371994005	1994	4/30/1994
Dresden Unit 2	2372004002	2004	4/24/2004
Dresden Unit 2	2372005002	2005	3/24/2005
Dresden Unit 2	2372006004	2006	7/4/2006
Dresden Unit 2	2372007002	2007	5/4/2007

Plant Name	LER	CY	Event Date
Hope Creek	3542004010	2004	10/10/2004
Hope Creek	3542013002	2013	6/12/2013
La Salle Unit 1	3731992003	1992	3/1/1992
La Salle Unit 1	3731994015	1994	12/12/1994
La Salle Unit 1	3731995014	1995	8/16/1995
La Salle Unit 1	3731996007	1996	6/26/1996
La Salle Unit 2	3741992012	1992	8/27/1992
La Salle Unit 2	3742003004	2003	7/7/2003
Limerick Unit 2	3531990015	1990	9/10/1990
Millstone Unit 1	2451990016	1990	10/4/1990
Monticello	2631994003	1994	4/15/1994
Monticello	2631997013	1997	11/25/1997
Monticello	2631998004	1998	9/9/1998
Monticello	2631999005	1999	5/8/1999
Monticello	2632001011	2001	10/23/2001
Monticello	2632007001	2007	1/10/2007
Monticello	2632015006	2015	11/23/2015
Nine Mile Pt. Unit 1	2201990017	1990	8/6/1990
Nine Mile Pt. Unit 1	2201990020	1990	8/19/1990
Nine Mile Pt. Unit 1	2201990026	1990	11/17/1990
Nine Mile Pt. Unit 1	2202008002	2008	10/23/2008
Nine Mile Pt. Unit 2	4101988014	1988	3/13/1988
Nine Mile Pt. Unit 2	4101994007	1994	12/9/1994
Nine Mile Pt. Unit 2	4101999010	1999	6/24/1999
Nine Mile Pt. Unit 2	4102001004	2001	10/15/2001
Oyster Creek	2191990008	1990	6/25/1990
Oyster Creek	2191992009	1992	8/22/1992
Oyster Creek	2191998004	1998	3/20/1998
Oyster Creek	2192000003	2000	3/1/2000
Oyster Creek	2192003003	2003	8/14/2003
Oyster Creek	2192007001	2007	7/17/2007
Oyster Creek	2192007003	2007	12/19/2007
Peach Bottom Unit 2	2771989015	1989	7/21/1989
Peach Bottom Unit 2	2771991022	1991	6/27/1991
Peach Bottom Unit 2	2771992010	1992	7/4/1992
Peach Bottom Unit 2	2772002001	2002	12/21/2002
Peach Bottom Unit 2	2772003003	2003	7/22/2003
Peach Bottom Unit 2	2772004003	2004	12/22/2004
Peach Bottom Unit 3	2781990008	1990	7/27/1990

Table A-26. (continued).

Plant Name	LER	CY	Event Date
Dresden Unit 3	2491988017	1988	11/27/1988
Dresden Unit 3	2491989006	1989	4/15/1989
Dresden Unit 3	2491993014	1993	7/10/1993
Dresden Unit 3	2491996004	1996	5/15/1996
Dresden Unit 3	2491998003	1998	4/9/1998
Dresden Unit 3	2491998004	1998	5/16/1998
Dresden Unit 3	2492000003	2000	5/4/2000
Dresden Unit 3	2492004003	2004	5/5/2004
Dresden Unit 3	2492009001	2009	10/3/2009
Duane Arnold	3311989008	1989	3/5/1989
Duane Arnold	3311992018	1992	11/13/1992
Fermi Unit 2	3411990003	1990	4/10/1990
Fermi Unit 2	3411991004	1991	3/12/1991
Fermi Unit 2	3411993004	1993	2/19/1993
Fermi Unit 2	3412003002	2003	8/14/2003
Fermi Unit 2	3412015006	2015	9/13/2015
FitzPatrick	3331996010	1996	9/16/1996
FitzPatrick	3332016001	2016	1/23/2016
Grand Gulf	4161989012	1989	8/14/1989
Grand Gulf	4161990017	1990	9/16/1990
Grand Gulf	4161991005	1991	6/17/1991
Grand Gulf	4161995008	1995	7/12/1995
Grand Gulf	4161999003	1999	2/21/1999
Grand Gulf	4162003002	2003	4/24/2003
Grand Gulf	4162007002	2007	5/19/2007
Hatch Unit 1	3211992021	1992	8/27/1992
Hatch Unit 1	3211993009	1993	5/14/1993
Hatch Unit 1	3211993012	1993	6/15/1993
Hatch Unit 1	3211996008	1996	4/30/1996
Hatch Unit 2	3661988006	1988	3/18/1988
Hatch Unit 2	3661988017	1988	5/27/1988
Hatch Unit 2	3661989005	1989	9/3/1989
Hatch Unit 2	3661990001	1990	1/12/1990
Hatch Unit 2	3661994007	1994	8/30/1994
Hatch Unit 2	3661995003	1995	9/2/1995
Hatch Unit 2	3661997007	1997	4/22/1997
Hatch Unit 2	3661999006	1999	6/15/1999
Hope Creek	3541988012	1988	4/30/1988
Hope Creek	3541988027	1988	10/15/1988
Peach Bottom Unit 3	2781992005	1992	7/24/1992
Peach Bottom Unit 3	2781992008	1992	10/15/1992
Peach Bottom Unit 3	2781993004	1993	7/30/1993
Peach Bottom Unit 3	2781995001	1995	3/23/1995
Peach Bottom Unit 3	2781995003	1995	7/30/1995
Perry	4401991027	1991	12/22/1991
Perry	4401993010	1993	3/26/1993
Perry	4402001001	2001	4/29/2001
Pilgrim	2931989011	1989	3/4/1989
Pilgrim	2931992018	1992	12/20/1992
Pilgrim	2931993022	1993	9/10/1993
Pilgrim	2932003002	2003	5/19/2003
Quad Cities Unit 1	2541992004	1992	2/7/1992
Quad Cities Unit 1	2541993023	1993	12/16/1993
Quad Cities Unit 1	2541996017	1996	8/25/1996
Quad Cities Unit 1	2542015005	2015	4/2/2015
Quad Cities Unit 2	2651988001	1988	1/11/1988
Quad Cities Unit 2	2651988005	1988	3/20/1988
Quad Cities Unit 2	2651992001	1992	1/1/1992
Quad Cities Unit 2	2651993013	1993	6/13/1993
Quad Cities Unit 2	2651994006	1994	8/23/1994
Quad Cities Unit 2	2652000006	2000	5/5/2000
River Bend	4581993017	1993	8/10/1993
River Bend	4581994030	1994	12/4/1994
River Bend	4581997001	1997	5/6/1997
River Bend	4582000012	2000	8/21/2000
River Bend	4582004001	2004	8/15/2004
River Bend	4582004002	2004	10/1/2004
River Bend	4582007006	2007	11/7/2007
River Bend	4582012003	2012	5/24/2012
River Bend	4582016002	2016	1/9/2016
Susquehanna Unit 1	3871989001	1989	1/4/1989
Susquehanna Unit 1	3871991008	1991	7/31/1991
Susquehanna Unit 1	3871997006	1997	2/25/1997
Vermont Yankee	2711990004	1990	3/21/1990
Vermont Yankee	2711998016	1998	6/9/1998
Vermont Yankee	2712000004	2000	9/13/2000
Vermont Yankee	2712005001	2005	7/25/2005

Table A-27. BWR general transient LERs.

Plant Name	LER	CY	Event Date
Big Rock Point	1551988002	1988	2/5/1988
Big Rock Point	1551988008	1988	10/28/1988
Big Rock Point	1551988009	1988	11/21/1988
Big Rock Point	1551989008	1989	8/22/1989
Big Rock Point	1551992009	1992	5/13/1992
Big Rock Point	1551992010	1992	6/3/1992
Big Rock Point	1551992014	1992	10/29/1992
Big Rock Point	1551994007	1994	9/30/1994
Big Rock Point	1551995007	1995	11/16/1995
Big Rock Point	1551996010	1996	9/16/1996
Big Rock Point	1551996013	1996	12/7/1996
Browns Ferry Unit 1	2592007002	2007	5/24/2007
Browns Ferry Unit 1	2592007005	2007	6/9/2007
Browns Ferry Unit 1	2592007007	2007	8/11/2007
Browns Ferry Unit 1	2592007008	2007	9/3/2007
Browns Ferry Unit 1	2592007009	2007	10/12/2007
Browns Ferry Unit 1	2592009001	2009	2/18/2009
Browns Ferry Unit 1	2592013002	2013	3/19/2013
Browns Ferry Unit 1	2592014003	2014	8/26/2014
Browns Ferry Unit 2	2601991014	1991	6/29/1991
Browns Ferry Unit 2	2601991017	1991	9/14/1991
Browns Ferry Unit 2	2601991018	1991	10/18/1991
Browns Ferry Unit 2	2601991019	1991	12/8/1991
Browns Ferry Unit 2	2601992004	1992	4/27/1992
Browns Ferry Unit 2	2601992006	1992	7/28/1992
Browns Ferry Unit 2	2601994004	1994	4/15/1994
Browns Ferry Unit 2	2601994013	1994	12/2/1994
Browns Ferry Unit 2	2601995002	1995	2/9/1995
Browns Ferry Unit 2	2601995004	1995	3/30/1995
Browns Ferry Unit 2	2601996005	1996	5/10/1996
Browns Ferry Unit 2	2601996007	1996	10/29/1996
Browns Ferry Unit 2	2601997001	1997	4/24/1997
Browns Ferry Unit 2	2601997007	1997	10/28/1997
Browns Ferry Unit 2	2601998003	1998	10/1/1998
Browns Ferry Unit 2	2601999003	1999	5/15/1999
Browns Ferry Unit 2	2601999009	1999	9/15/1999
Browns Ferry Unit 2	2601999010	1999	9/17/1999
Browns Ferry Unit 2	2602001003	2001	7/25/2001
Browns Ferry Unit 2	2602002002	2002	7/27/2002
Hope Creek	3542009001	2009	1/17/2009
Hope Creek	3542009004	2009	5/17/2009
Hope Creek	3542013002	2013	6/12/2013
Hope Creek	3542013008	2013	12/1/2013
Hope Creek	3542013009	2013	12/5/2013
Hope Creek	3542015005	2015	9/28/2015
La Salle Unit 1	3731989009	1989	3/2/1989
La Salle Unit 1	3731990006	1990	3/28/1990
La Salle Unit 1	3731991006	1991	5/19/1991
La Salle Unit 1	3731993011	1993	4/23/1993
La Salle Unit 1	3731993015	1993	9/14/1993
La Salle Unit 1	3731994010	1994	7/5/1994
La Salle Unit 1	3731994011	1994	7/8/1994
La Salle Unit 1	3731995014	1995	8/16/1995
La Salle Unit 1	3731995016	1995	9/24/1995
La Salle Unit 1	3731996006	1996	5/12/1996
La Salle Unit 1	3731996008	1996	6/28/1996
La Salle Unit 1	3731998015	1998	8/19/1998
La Salle Unit 1	3731999003	1999	9/2/1999
La Salle Unit 1	3732001001	2001	1/31/2001
La Salle Unit 1	3732003005	2003	11/27/2003
La Salle Unit 1	3732006001	2006	2/20/2006
La Salle Unit 1	3732009001	2009	5/21/2009
La Salle Unit 1	3732011001	2011	2/1/2011
La Salle Unit 1	3732017003	2017	2/13/2017
La Salle Unit 1	3732017005	2017	2/17/2017
La Salle Unit 2	3741988003	1988	3/9/1988
La Salle Unit 2	3741988012	1988	10/14/1988
La Salle Unit 2	3741989011	1989	8/26/1989
La Salle Unit 2	3741990001	1990	2/6/1990
La Salle Unit 2	3741990010	1990	9/12/1990
La Salle Unit 2	3741991010	1991	9/6/1991
La Salle Unit 2	3741991012	1991	9/24/1991
La Salle Unit 2	3741991014	1991	10/29/1991
La Salle Unit 2	3741992004	1992	4/15/1992
La Salle Unit 2	3741992012	1992	8/27/1992
La Salle Unit 2	3741994001	1994	1/18/1994
La Salle Unit 2	3741994004	1994	6/21/1994
La Salle Unit 2	3741994006	1994	8/25/1994

Table A-27. (continued).

Plant Name	LER	CY	Event Date
Browns Ferry Unit 2	2602003003	2003	3/26/2003
Browns Ferry Unit 2	2602004001	2004	7/8/2004
Browns Ferry Unit 2	2602005007	2005	8/5/2005
Browns Ferry Unit 2	2602007001	2007	1/11/2007
Browns Ferry Unit 2	2602009001	2009	2/16/2009
Browns Ferry Unit 2	2602009007	2009	9/29/2009
Browns Ferry Unit 2	2602012006	2012	12/22/2012
Browns Ferry Unit 3	2961996001	1996	2/29/1996
Browns Ferry Unit 3	2961996002	1996	4/21/1996
Browns Ferry Unit 3	2961996003	1996	5/1/1996
Browns Ferry Unit 3	2961996005	1996	9/15/1996
Browns Ferry Unit 3	2961998003	1998	4/7/1998
Browns Ferry Unit 3	2962000001	2000	4/15/2000
Browns Ferry Unit 3	2962000005	2000	5/24/2000
Browns Ferry Unit 3	2962004002	2004	11/23/2004
Browns Ferry Unit 3	2962005001	2005	2/11/2005
Browns Ferry Unit 3	2962005002	2005	9/17/2005
Browns Ferry Unit 3	2962005003	2005	10/31/2005
Browns Ferry Unit 3	2962006002	2006	8/19/2006
Browns Ferry Unit 3	2962006003	2006	8/29/2006
Browns Ferry Unit 3	2962007001	2007	2/9/2007
Browns Ferry Unit 3	2962007005	2007	12/31/2007
Browns Ferry Unit 3	2962009001	2009	8/24/2009
Browns Ferry Unit 3	2962010004	2010	12/26/2010
Browns Ferry Unit 3	2962012004	2012	5/24/2012
Browns Ferry Unit 3	2962012005	2012	5/29/2012
Browns Ferry Unit 3	2962014001	2014	3/18/2014
Browns Ferry Unit 3	2962014002	2014	5/6/2014
Brunswick Unit 1	3251988023	1988	10/21/1988
Brunswick Unit 1	3251988024	1988	11/10/1988
Brunswick Unit 1	3251991007	1991	3/5/1991
Brunswick Unit 1	3251991018	1991	7/18/1991
Brunswick Unit 1	3251992003	1992	1/17/1992
Brunswick Unit 1	3251992005	1992	2/29/1992
Brunswick Unit 1	3251995011	1995	5/19/1995
Brunswick Unit 1	3251995015	1995	7/13/1995
Brunswick Unit 1	3251995018	1995	9/30/1995
Brunswick Unit 1	3251996002	1996	1/23/1996
Brunswick Unit 1	3251999002	1999	1/23/1999

Plant Name	LER	CY	Event Date
La Salle Unit 2	3741996002	1996	2/4/1996
La Salle Unit 2	3731996008	1996	6/29/1996
La Salle Unit 2	3741999002	1999	8/21/1999
La Salle Unit 2	3741999003	1999	11/16/1999
La Salle Unit 2	3742000003	2000	6/22/2000
La Salle Unit 2	3742000006	2000	12/1/2000
La Salle Unit 2	3742001001	2001	4/6/2001
La Salle Unit 2	3742001002	2001	5/27/2001
La Salle Unit 2	3742003001	2003	1/10/2003
La Salle Unit 2	3742003004	2003	7/7/2003
La Salle Unit 2	3742009001	2009	8/15/2009
La Salle Unit 2	3742013002	2013	4/25/2013
La Salle Unit 2	3742014001	2014	8/5/2014
La Salle Unit 2	3742017001	2017	1/23/2017
Limerick Unit 1	3521988012	1988	4/9/1988
Limerick Unit 1	3521991009	1991	4/12/1991
Limerick Unit 1	3521993011	1993	9/7/1993
Limerick Unit 1	3521994001	1994	1/14/1994
Limerick Unit 1	3521995002	1995	2/21/1995
Limerick Unit 1	3521995006	1995	8/28/1995
Limerick Unit 1	3521996013	1996	5/21/1996
Limerick Unit 1	3521996016	1996	7/25/1996
Limerick Unit 1	3521999005	1999	6/11/1999
Limerick Unit 1	3522000002	2000	5/1/2000
Limerick Unit 1	3522002003	2002	5/19/2002
Limerick Unit 1	3522005003	2005	7/18/2005
Limerick Unit 1	3522008002	2008	3/22/2008
Limerick Unit 1	3522010001	2010	6/23/2010
Limerick Unit 1	3522011002	2011	6/3/2011
Limerick Unit 1	3522012002	2012	4/19/2012
Limerick Unit 1	3522012005	2012	7/18/2012
Limerick Unit 1	3522014004	2014	3/4/2014
Limerick Unit 1	3522015001	2015	2/23/2015
Limerick Unit 2	3531989013	1989	11/10/1989
Limerick Unit 2	3531990012	1990	7/15/1990
Limerick Unit 2	3531990015	1990	9/10/1990
Limerick Unit 2	3531992012	1992	12/4/1992
Limerick Unit 2	3531993001	1993	1/3/1993
Limerick Unit 2	3531993005	1993	3/26/1993

Table A-27. (continued).

Plant Name	LER	CY	Event Date
Brunswick Unit 1	3252005005	2005	7/13/2005
Brunswick Unit 1	3252010003	2010	5/5/2010
Brunswick Unit 2	3241988001	1988	1/2/1988
Brunswick Unit 2	3241988018	1988	11/16/1988
Brunswick Unit 2	3241990008	1990	8/16/1990
Brunswick Unit 2	3241990012	1990	8/30/1990
Brunswick Unit 2	3241990015	1990	9/27/1990
Brunswick Unit 2	3241990016	1990	10/12/1990
Brunswick Unit 2	3241991001	1991	1/25/1991
Brunswick Unit 2	3241991021	1991	12/17/1991
Brunswick Unit 2	3241992001	1992	2/2/1992
Brunswick Unit 2	3241999002	1999	3/29/1999
Brunswick Unit 2	3241999006	1999	6/28/1999
Brunswick Unit 2	3241999008	1999	9/20/1999
Brunswick Unit 2	3242000002	2000	9/22/2000
Brunswick Unit 2	3242001001	2001	2/23/2001
Brunswick Unit 2	3242003004	2003	11/4/2003
Brunswick Unit 2	3242006002	2006	11/11/2006
Brunswick Unit 2	3242006003	2006	12/25/2006
Brunswick Unit 2	3242008001	2008	8/30/2008
Brunswick Unit 2	3242008002	2008	11/9/2008
Brunswick Unit 2	3242011002	2011	11/16/2011
Clinton Unit 1	4611988017	1988	6/24/1988
Clinton Unit 1	4611988019	1988	7/12/1988
Clinton Unit 1	4611988028	1988	11/11/1988
Clinton Unit 1	4611989022	1989	5/26/1989
Clinton Unit 1	4611989022	1989	6/1/1989
Clinton Unit 1	4611989028	1989	6/28/1989
Clinton Unit 1	4611989032	1989	7/31/1989
Clinton Unit 1	4611990012	1990	5/17/1990
Clinton Unit 1	4611990013	1990	7/9/1990
Clinton Unit 1	4611991008	1991	12/22/1991
Clinton Unit 1	4611992001	1992	1/4/1992
Clinton Unit 1	4611992002	1992	2/27/1992
Clinton Unit 1	4611992010	1992	11/22/1992
Clinton Unit 1	4611993006	1993	12/6/1993
Clinton Unit 1	4611993007	1993	12/20/1993
Clinton Unit 1	4611995001	1995	1/5/1995
Clinton Unit 1	4611995005	1995	5/15/1995

Plant Name	LER	CY	Event Date
Limerick Unit 2	3521995002	1995	2/21/1995
Limerick Unit 2	3531995008	1995	8/8/1995
Limerick Unit 2	3531995010	1995	8/20/1995
Limerick Unit 2	3531996004	1996	5/14/1996
Limerick Unit 2	3531996007	1996	12/6/1996
Limerick Unit 2	3531996009	1996	12/24/1996
Limerick Unit 2	3531999006	1999	12/31/1999
Limerick Unit 2	3532000001	2000	1/8/2000
Limerick Unit 2	3532002001	2002	7/23/2002
Limerick Unit 2	3532003001	2003	3/3/2003
Limerick Unit 2	3532004001	2004	6/22/2004
Limerick Unit 2	3532007003	2007	4/24/2007
Limerick Unit 2	3532008002	2008	2/1/2008
Limerick Unit 2	3532011002	2011	2/25/2011
Limerick Unit 2	3532011004	2011	5/29/2011
Limerick Unit 2	3532016001	2016	6/1/2016
Millstone Unit 1	2451988003	1988	3/12/1988
Millstone Unit 1	2451989005	1989	4/7/1989
Millstone Unit 1	2451989015	1989	6/2/1989
Millstone Unit 1	2451989021	1989	10/19/1989
Millstone Unit 1	2451990015	1990	9/14/1990
Millstone Unit 1	2451990016	1990	10/4/1990
Millstone Unit 1	2451992028	1992	12/3/1992
Millstone Unit 1	2451993018	1993	10/5/1993
Monticello	2631989009	1989	6/19/1989
Monticello	2631989038	1989	11/15/1989
Monticello	2631990017	1990	10/29/1990
Monticello	2631991014	1991	6/5/1991
Monticello	2631991019	1991	8/25/1991
Monticello	2631993006	1993	3/23/1993
Monticello	2631993008	1993	7/31/1993
Monticello	2631994003	1994	4/15/1994
Monticello	2631994004	1994	6/4/1994
Monticello	2631996006	1996	6/9/1996
Monticello	2631996007	1996	6/15/1996
Monticello	2631996011	1996	11/12/1996
Monticello	2631999004	1999	4/22/1999
Monticello	2632001011	2001	10/23/2001
Monticello	2632002001	2002	1/21/2002

Table A-27. (continued).

Plant Name	LER	CY	Event Date
Clinton Unit 1	4611996004	1996	4/9/1996
Clinton Unit 1	4611996008	1996	6/13/1996
Clinton Unit 1	4612001002	2001	2/4/2001
Clinton Unit 1	4612001003	2001	7/24/2001
Clinton Unit 1	4612002002	2002	5/13/2002
Clinton Unit 1	4612002003	2002	7/4/2002
Clinton Unit 1	4612003002	2003	4/11/2003
Clinton Unit 1	4612003003	2003	12/2/2003
Clinton Unit 1	4612004001	2004	3/22/2004
Clinton Unit 1	4612004003	2004	7/13/2004
Clinton Unit 1	4612006001	2006	3/20/2006
Clinton Unit 1	4612006003	2006	8/27/2006
Clinton Unit 1	4612008001	2008	2/10/2008
Clinton Unit 1	4612009005	2009	10/15/2009
Clinton Unit 1	4612011004	2011	11/29/2011
Clinton Unit 1	4612013002	2013	3/7/2013
Clinton Unit 1	4612013003	2013	4/26/2013
Clinton Unit 1	4612013008	2013	12/8/2013
Clinton Unit 1	4612013009	2013	12/13/2013
Clinton Unit 1	4612014002	2014	3/25/2014
Clinton Unit 1	4612017005	2017	5/30/2017
Clinton Unit 1	4612017007	2017	6/10/2017
Columbia	3971988006	1988	2/13/1988
Columbia	3971989002	1989	1/30/1989
Columbia	3971989028	1989	6/29/1989
Columbia	3971989031	1989	8/6/1989
Columbia	3971989035	1989	8/17/1989
Columbia	3971990021	1990	9/25/1990
Columbia	3971990031	1990	12/7/1990
Columbia	3971991032	1991	11/19/1991
Columbia	3971991035	1991	12/20/1991
Columbia	3971992037	1992	8/15/1992
Columbia	3971993002	1993	1/21/1993
Columbia	3971993006	1993	2/6/1993
Columbia	3971993007	1993	2/10/1993
Columbia	3971994008	1994	4/26/1994
Columbia	3971995002	1995	2/18/1995
Columbia	3971995004	1995	2/26/1995
Columbia	3971995006	1995	4/5/1995

Plant Name	LER	CY	Event Date
Monticello	2632007001	2007	1/10/2007
Monticello	2632008005	2008	9/11/2008
Monticello	2632011008	2011	10/21/2011
Monticello	2632011009	2011	11/19/2011
Monticello	2632012003	2012	9/25/2012
Nine Mile Pt. Unit 1	2201990017	1990	8/6/1990
Nine Mile Pt. Unit 1	2201990020	1990	8/19/1990
Nine Mile Pt. Unit 1	2201990019	1990	12/29/1990
Nine Mile Pt. Unit 1	2201991002	1991	2/12/1991
Nine Mile Pt. Unit 1	2201991008	1991	7/18/1991
Nine Mile Pt. Unit 1	2201991012	1991	9/26/1991
Nine Mile Pt. Unit 1	2201991014	1991	12/4/1991
Nine Mile Pt. Unit 1	2201992004	1992	2/16/1992
Nine Mile Pt. Unit 1	2201992008	1992	4/18/1992
Nine Mile Pt. Unit 1	2201992003	1992	5/1/1992
Nine Mile Pt. Unit 1	2201992009	1992	8/7/1992
Nine Mile Pt. Unit 1	2201993002	1993	1/26/1993
Nine Mile Pt. Unit 1	2201993006	1993	4/13/1993
Nine Mile Pt. Unit 1	2201994002	1994	4/5/1994
Nine Mile Pt. Unit 1	2201994004	1994	4/11/1994
Nine Mile Pt. Unit 1	2201994005	1994	7/11/1994
Nine Mile Pt. Unit 1	2201994007	1994	11/2/1994
Nine Mile Pt. Unit 1	2201995002	1995	4/19/1995
Nine Mile Pt. Unit 1	2201996004	1996	5/20/1996
Nine Mile Pt. Unit 1	2201996011	1996	11/5/1996
Nine Mile Pt. Unit 1	2201999004	1999	7/23/1999
Nine Mile Pt. Unit 1	2202001001	2001	8/22/2001
Nine Mile Pt. Unit 1	2202003002	2003	8/14/2003
Nine Mile Pt. Unit 1	2202004004	2004	8/30/2004
Nine Mile Pt. Unit 1	2202005001	2005	3/7/2005
Nine Mile Pt. Unit 1	2202005003	2005	8/18/2005
Nine Mile Pt. Unit 1	2202008002	2008	10/23/2008
Nine Mile Pt. Unit 1	2202009003	2009	10/5/2009
Nine Mile Pt. Unit 1	2202010001	2010	11/10/2010
Nine Mile Pt. Unit 1	2202011001	2011	5/2/2011
Nine Mile Pt. Unit 1	2202012001	2012	7/17/2012
Nine Mile Pt. Unit 1	2202012002	2012	9/20/2012
Nine Mile Pt. Unit 1	2202012004	2012	10/29/2012
Nine Mile Pt. Unit 1	2202012005	2012	11/3/2012

Table A-27. (continued).

Plant Name	LER	CY	Event Date
Columbia	3971996004	1996	6/24/1996
Columbia	3971997004	1997	3/27/1997
Columbia	3971998002	1998	3/11/1998
Columbia	3972000003	2000	6/26/2000
Columbia	3972003007	2003	6/30/2003
Columbia	3972004004	2004	7/30/2004
Columbia	3972005003	2005	6/15/2005
Columbia	3972006001	2006	10/31/2006
Columbia	3972007004	2007	6/28/2007
Columbia	3972008001	2008	8/21/2008
Columbia	3972009001	2009	2/8/2009
Columbia	3972009002	2009	5/8/2009
Columbia	3972009004	2009	8/5/2009
Columbia	3972009005	2009	11/7/2009
Columbia	3972016001	2016	3/28/2016
Columbia	3972016004	2016	12/18/2016
Columbia	3972017004	2017	8/20/2017
Cooper Station	2981988002	1988	1/28/1988
Cooper Station	2981988019	1988	7/15/1988
Cooper Station	2981988021	1988	8/25/1988
Cooper Station	2981989001	1989	1/25/1989
Cooper Station	2981989025	1989	9/28/1989
Cooper Station	2981990011	1990	10/17/1990
Cooper Station	2981993038	1993	12/14/1993
Cooper Station	2981994004	1994	3/2/1994
Cooper Station	2982000011	2000	10/14/2000
Cooper Station	2982003004	2003	5/26/2003
Cooper Station	2982003006	2003	10/28/2003
Cooper Station	2982003007	2003	11/26/2003
Cooper Station	2982005001	2005	4/15/2005
Cooper Station	2982005004	2005	9/23/2005
Cooper Station	2982006001	2006	2/26/2006
Cooper Station	2982007004	2007	5/19/2007
Cooper Station	2982008001	2008	8/9/2008
Cooper Station	2982009002	2009	11/6/2009
Cooper Station	2982009004	2009	11/11/2009
Dresden Unit 2	2371989019	1989	7/12/1989
Dresden Unit 2	2371990001	1990	1/5/1990
Dresden Unit 2	2371991011	1991	6/9/1991

Plant Name	LER	CY	Event Date
Nine Mile Pt. Unit 1	2202015004	2015	9/4/2015
Nine Mile Pt. Unit 1	2202017001	2016	12/10/2016
Nine Mile Pt. Unit 1	2202017002	2017	3/20/2017
Nine Mile Pt. Unit 1	2202017003	2017	9/6/2017
Nine Mile Pt. Unit 2	4101988017	1988	3/21/1988
Nine Mile Pt. Unit 2	4101988019	1988	6/2/1988
Nine Mile Pt. Unit 2	4101988025	1988	6/22/1988
Nine Mile Pt. Unit 2	4101988026	1988	6/28/1988
Nine Mile Pt. Unit 2	4101988028	1988	7/11/1988
Nine Mile Pt. Unit 2	4101988039	1988	8/6/1988
Nine Mile Pt. Unit 2	4101988051	1988	9/22/1988
Nine Mile Pt. Unit 2	4101989014	1989	4/13/1989
Nine Mile Pt. Unit 2	4101989009	1989	4/22/1989
Nine Mile Pt. Unit 2	4101989024	1989	9/8/1989
Nine Mile Pt. Unit 2	4101989035	1989	10/13/1989
Nine Mile Pt. Unit 2	4101989036	1989	10/18/1989
Nine Mile Pt. Unit 2	4101989040	1989	12/1/1989
Nine Mile Pt. Unit 2	4101990013	1990	9/5/1990
Nine Mile Pt. Unit 2	4101991017	1991	8/13/1991
Nine Mile Pt. Unit 2	4101991022	1991	12/7/1991
Nine Mile Pt. Unit 2	4101992017	1992	8/22/1992
Nine Mile Pt. Unit 2	4101992022	1992	11/4/1992
Nine Mile Pt. Unit 2	4101993012	1993	12/4/1993
Nine Mile Pt. Unit 2	4101994001	1994	3/12/1994
Nine Mile Pt. Unit 2	4101995003	1995	2/14/1995
Nine Mile Pt. Unit 2	4101995005	1995	5/30/1995
Nine Mile Pt. Unit 2	4101995007	1995	6/5/1995
Nine Mile Pt. Unit 2	4101995008	1995	9/1/1995
Nine Mile Pt. Unit 2	4101999005	1999	4/24/1999
Nine Mile Pt. Unit 2	4101999010	1999	6/24/1999
Nine Mile Pt. Unit 2	4102000002	2000	3/3/2000
Nine Mile Pt. Unit 2	4102000014	2000	9/17/2000
Nine Mile Pt. Unit 2	4102001001	2001	5/18/2001
Nine Mile Pt. Unit 2	4102001006	2001	12/2/2001
Nine Mile Pt. Unit 2	4102001007	2001	12/15/2001
Nine Mile Pt. Unit 2	4102002004	2002	11/11/2002
Nine Mile Pt. Unit 2	4102002006	2002	12/16/2002
Nine Mile Pt. Unit 2	4102003001	2003	7/24/2003
Nine Mile Pt. Unit 2	4102006001	2006	3/9/2006

Table A-27. (continued).

Plant Name	LER	CY	Event Date
Dresden Unit 2	2371995009	1995	3/5/1995
Dresden Unit 2	2371996002	1996	4/18/1996
Dresden Unit 2	2371996009	1996	5/31/1996
Dresden Unit 2	2371997019	1997	12/23/1997
Dresden Unit 2	2371998002	1998	1/13/1998
Dresden Unit 2	2371998008	1998	4/20/1998
Dresden Unit 2	2371998010	1998	6/20/1998
Dresden Unit 2	2372000004	2000	11/30/2000
Dresden Unit 2	2372001002	2001	4/3/2001
Dresden Unit 2	2372001005	2001	11/7/2001
Dresden Unit 2	2372003003	2003	9/30/2003
Dresden Unit 2	2372003007	2003	12/11/2003
Dresden Unit 2	2372004004	2004	4/28/2004
Dresden Unit 2	2372006004	2006	7/4/2006
Dresden Unit 2	2372007002	2007	5/4/2007
Dresden Unit 2	2372014002	2014	4/12/2014
Dresden Unit 2	2372014003	2014	5/3/2014
Dresden Unit 2	2372015001	2015	1/13/2015
Dresden Unit 2	2372015001	2015	2/6/2015
Dresden Unit 3	2491988017	1988	11/27/1988
Dresden Unit 3	2491989002	1989	3/30/1989
Dresden Unit 3	2491990005	1990	3/10/1990
Dresden Unit 3	2491991006	1991	8/17/1991
Dresden Unit 3	2491992021	1992	10/13/1992
Dresden Unit 3	2491992025	1992	12/25/1992
Dresden Unit 3	2491993007	1993	2/26/1993
Dresden Unit 3	2491993014	1993	7/10/1993
Dresden Unit 3	2491994018	1994	8/6/1994
Dresden Unit 3	2491995001	1995	1/9/1995
Dresden Unit 3	2491995008	1995	5/28/1995
Dresden Unit 3	2491995017	1995	9/28/1995
Dresden Unit 3	2491995019	1995	10/29/1995
Dresden Unit 3	2491999006	1999	12/11/1999
Dresden Unit 3	2492000002	2000	5/3/2000
Dresden Unit 3	2492001002	2001	4/27/2001
Dresden Unit 3	2492002002	2002	7/21/2002
Dresden Unit 3	2492004001	2004	1/24/2004
Dresden Unit 3	2492004002	2004	1/30/2004
Dresden Unit 3	2492009001	2009	10/3/2009

Plant Name	LER	CY	Event Date
Nine Mile Pt. Unit 2	4102010001	2010	1/7/2010
Nine Mile Pt. Unit 2	4102011003	2011	8/11/2011
Nine Mile Pt. Unit 2	4102012004	2012	7/12/2012
Nine Mile Pt. Unit 2	4102013004	2013	12/2/2013
Nine Mile Pt. Unit 2	4102014003	2014	3/4/2014
Nine Mile Pt. Unit 2	4102014004	2014	3/10/2014
Nine Mile Pt. Unit 2	4102015002	2015	2/18/2015
Nine Mile Pt. Unit 2	4102017001	2017	8/5/2017
Oyster Creek	2191989011	1989	4/22/1989
Oyster Creek	2191989015	1989	5/18/1989
Oyster Creek	2191989016	1989	6/25/1989
Oyster Creek	2191989017	1989	7/11/1989
Oyster Creek	2191989021	1989	9/22/1989
Oyster Creek	2191990004	1990	2/20/1990
Oyster Creek	2191990005	1990	4/21/1990
Oyster Creek	2191991005	1991	8/22/1991
Oyster Creek	2191992009	1992	8/22/1992
Oyster Creek	2191994003	1994	4/5/1994
Oyster Creek	2191994007	1994	5/31/1994
Oyster Creek	2191995008	1995	12/18/1995
Oyster Creek	2191996005	1996	4/30/1996
Oyster Creek	2191996007	1996	9/4/1996
Oyster Creek	2191996008	1996	10/25/1996
Oyster Creek	2192000001	2000	1/21/2000
Oyster Creek	2192000003	2000	3/1/2000
Oyster Creek	2192000011	2000	11/15/2000
Oyster Creek	2192003003	2003	8/14/2003
Oyster Creek	2192003004	2003	8/22/2003
Oyster Creek	2192004003	2004	5/27/2004
Oyster Creek	2192005002	2005	6/1/2005
Oyster Creek	2192007001	2007	7/17/2007
Oyster Creek	2192008001	2008	11/28/2008
Oyster Creek	2192009003	2009	4/25/2009
Oyster Creek	2192009005	2009	7/12/2009
Oyster Creek	2192010002	2010	12/23/2010
Oyster Creek	2192013002	2013	10/6/2013
Oyster Creek	2192013004	2013	12/14/2013
Oyster Creek	2192014001	2014	7/11/2014
Oyster Creek	2192014006	2014	10/12/2014

Table A-27. (continued).

Plant Name	LER	CY	Event Date
Dresden Unit 3	2492010001	2010	10/11/2010
Duane Arnold	3311988008	1988	7/24/1988
Duane Arnold	3311989001	1989	1/18/1989
Duane Arnold	3311989003	1989	2/2/1989
Duane Arnold	3311989009	1989	6/12/1989
Duane Arnold	3311989011	1989	8/26/1989
Duane Arnold	3311990002	1990	3/29/1990
Duane Arnold	3311990004	1990	4/1/1990
Duane Arnold	3311990014	1990	9/10/1990
Duane Arnold	3311990016	1990	9/18/1990
Duane Arnold	3311990019	1990	10/19/1990
Duane Arnold	3311991003	1991	2/9/1991
Duane Arnold	3311991005	1991	6/22/1991
Duane Arnold	3311992013	1992	8/17/1992
Duane Arnold	3311992018	1992	11/13/1992
Duane Arnold	3311993010	1993	10/26/1993
Duane Arnold	3311994010	1994	7/10/1994
Duane Arnold	3311995005	1995	5/14/1995
Duane Arnold	3312000001	2000	1/5/2000
Duane Arnold	3312000002	2000	6/23/2000
Duane Arnold	3312001003	2001	8/12/2001
Duane Arnold	3312001006	2001	10/17/2001
Duane Arnold	3312009003	2003	1/4/2003
Duane Arnold	3312003001	2003	2/1/2003
Duane Arnold	3312003005	2003	11/7/2003
Duane Arnold	3312003006	2003	11/25/2003
Duane Arnold	3312006005	2006	11/6/2006
Duane Arnold	3312007006	2007	3/18/2007
Duane Arnold	3312007007	2007	4/2/2007
Duane Arnold	3312009001	2009	2/1/2009
Duane Arnold	3312009004	2009	10/8/2009
Duane Arnold	3312010003	2010	4/26/2010
Fermi Unit 2	3411988019	1988	5/7/1988
Fermi Unit 2	3411988020	1988	5/8/1988
Fermi Unit 2	3411988021	1988	5/10/1988
Fermi Unit 2	3411988030	1988	8/13/1988
Fermi Unit 2	3411989006	1989	2/26/1989
Fermi Unit 2	3411989007	1989	3/7/1989
Fermi Unit 2	3411989036	1989	12/18/1989

Plant Name	LER	CY	Event Date
Oyster Creek	2192015001	2015	3/22/2015
Oyster Creek	2192015002	2015	5/7/2015
Oyster Creek	2192016003	2016	4/30/2016
Oyster Creek	2192017001	2016	11/20/2016
Oyster Creek	2192017002	2017	7/3/2017
Peach Bottom Unit 2	2771989012	1989	5/19/1989
Peach Bottom Unit 2	2771989015	1989	7/21/1989
Peach Bottom Unit 2	2771989023	1989	10/5/1989
Peach Bottom Unit 2	2771989033	1989	12/20/1989
Peach Bottom Unit 2	2771991028	1991	8/5/1991
Peach Bottom Unit 2	2771992006	1992	4/7/1992
Peach Bottom Unit 2	2771992009	1992	5/20/1992
Peach Bottom Unit 2	2771992012	1992	7/17/1992
Peach Bottom Unit 2	2771992015	1992	8/17/1992
Peach Bottom Unit 2	2771993004	1993	3/2/1993
Peach Bottom Unit 2	2771994003	1994	5/15/1994
Peach Bottom Unit 2	2771996010	1996	10/6/1996
Peach Bottom Unit 2	2771996010	1996	10/15/1996
Peach Bottom Unit 2	2771997009	1997	11/9/1997
Peach Bottom Unit 2	2771999006	1999	9/30/1999
Peach Bottom Unit 2	2772000003	2000	9/15/2000
Peach Bottom Unit 2	2772001002	2001	7/1/2001
Peach Bottom Unit 2	2772001004	2001	10/23/2001
Peach Bottom Unit 2	2772003001	2003	4/12/2003
Peach Bottom Unit 2	2772003003	2003	7/22/2003
Peach Bottom Unit 2	2772004001	2004	2/22/2004
Peach Bottom Unit 2	2772005001	2005	7/10/2005
Peach Bottom Unit 3	2781990002	1990	1/28/1990
Peach Bottom Unit 3	2781990003	1990	3/6/1990
Peach Bottom Unit 3	2781991001	1991	1/16/1991
Peach Bottom Unit 3	2781991010	1991	7/7/1991
Peach Bottom Unit 3	2781992003	1992	5/4/1992
Peach Bottom Unit 3	2781992008	1992	10/15/1992
Peach Bottom Unit 3	2781994002	1994	2/3/1994
Peach Bottom Unit 3	2781995003	1995	7/30/1995
Peach Bottom Unit 3	2781995007	1995	12/2/1995
Peach Bottom Unit 3	2781997002	1997	3/9/1997
Peach Bottom Unit 3	2782000001	2000	8/7/2000
Perry	4401988012	1988	4/27/1988

Table A-27. (continued).

Plant Name	LER	CY	Event Date
Fermi Unit 2	3411989036	1989	12/18/1989
Fermi Unit 2	3411990003	1990	4/10/1990
Fermi Unit 2	3411990011	1990	10/6/1990
Fermi Unit 2	3411992002	1992	3/16/1992
Fermi Unit 2	3411992012	1992	11/18/1992
Fermi Unit 2	3411993004	1993	2/19/1993
Fermi Unit 2	3411993007	1993	4/20/1993
Fermi Unit 2	3411995005	1995	4/25/1995
Fermi Unit 2	3411995006	1995	6/2/1995
Fermi Unit 2	3411996024	1996	12/28/1996
Fermi Unit 2	3411998001	1998	2/1/1998
Fermi Unit 2	3411998004	1998	7/19/1998
Fermi Unit 2	3411998005	1998	9/4/1998
Fermi Unit 2	3411999002	1999	5/18/1999
Fermi Unit 2	3412000004	2000	4/1/2000
Fermi Unit 2	3412001004	2001	12/6/2001
Fermi Unit 2	3412002004	2002	10/2/2002
Fermi Unit 2	3412002006	2002	12/29/2002
Fermi Unit 2	3412003002	2003	8/14/2003
Fermi Unit 2	3412004002	2004	9/3/2004
Fermi Unit 2	3412004004	2004	12/4/2004
Fermi Unit 2	3412005001	2005	1/24/2005
Fermi Unit 2	3412006002	2006	6/15/2006
Fermi Unit 2	3412006003	2006	7/29/2006
Fermi Unit 2	3412007002	2007	11/15/2007
Fermi Unit 2	3412008001	2008	1/31/2008
Fermi Unit 2	3412009001	2009	3/28/2009
Fermi Unit 2	3412009002	2009	9/30/2009
Fermi Unit 2	3412010001	2010	3/25/2010
Fermi Unit 2	3412010002	2010	6/6/2010
Fermi Unit 2	3412010003	2010	10/24/2010
Fermi Unit 2	3412012003	2012	6/25/2012
Fermi Unit 2	3412012005	2012	9/14/2012
Fermi Unit 2	3412012006	2012	11/7/2012
Fermi Unit 2	3412015003	2015	3/19/2015
Fermi Unit 2	3412015006	2015	9/13/2015
FitzPatrick	3331989020	1989	11/5/1989
FitzPatrick	3331989023	1989	11/12/1989
FitzPatrick	3331990001	1990	1/19/1990

Plant Name	LER	CY	Event Date
Perry	4401988015	1988	4/30/1988
Perry	4401988017	1988	5/6/1988
Perry	4401988020	1988	6/5/1988
Perry	4401988023	1988	6/8/1988
Perry	4401988024	1988	6/16/1988
Perry	4401988026	1988	6/23/1988
Perry	4401992017	1992	9/10/1992
Perry	4401993010	1993	3/26/1993
Perry	4401993015	1993	7/9/1993
Perry	4401994002	1994	1/28/1994
Perry	4401995005	1995	8/31/1995
Perry	4401995007	1995	9/2/1995
Perry	4401995008	1995	9/11/1995
Perry	4401996005	1996	5/30/1996
Perry	4401997001	1997	1/7/1997
Perry	4401997005	1997	6/5/1997
Perry	4401997016	1997	12/19/1997
Perry	4401998002	1998	7/1/1998
Perry	4402001005	2001	12/15/2001
Perry	4402002001	2002	9/22/2002
Perry	4402004002	2004	12/23/2004
Perry	4402005001	2005	1/6/2005
Perry	4402006005	2006	12/13/2006
Perry	4402007001	2007	5/15/2007
Perry	4402007004	2007	11/28/2007
Perry	4402009001	2009	6/21/2009
Perry	4402009004	2009	10/16/2009
Perry	4402010003	2010	5/11/2010
Perry	4402012001	2012	3/1/2012
Perry	4402016001	2016	1/24/2016
Pilgrim	2931989015	1989	5/3/1989
Pilgrim	2931989023	1989	7/18/1989
Pilgrim	2931989026	1989	8/30/1989
Pilgrim	2931989038	1989	12/8/1989
Pilgrim	2931990008	1990	5/13/1990
Pilgrim	2931990013	1990	9/2/1990
Pilgrim	2931992016	1992	12/13/1992
Pilgrim	2931993004	1993	3/13/1993
Pilgrim	2931993014	1993	5/31/1993

Table A-27. (continued).

Plant Name	LER	CY	Event Date
FitzPatrick	3331990009	1990	3/19/1990
FitzPatrick	3331990023	1990	10/19/1990
FitzPatrick	3331990026	1990	12/12/1990
FitzPatrick	3331990027	1990	12/15/1990
FitzPatrick	3331991006	1991	5/7/1991
FitzPatrick	3331993004	1993	2/25/1993
FitzPatrick	3331993009	1993	4/20/1993
FitzPatrick	3331993013	1993	5/25/1993
FitzPatrick	3331995010	1995	5/30/1995
FitzPatrick	3331995013	1995	9/5/1995
FitzPatrick	3331996003	1996	2/22/1996
FitzPatrick	3331996010	1996	9/16/1996
FitzPatrick	3331996014	1996	12/15/1996
FitzPatrick	3331997001	1997	1/23/1997
FitzPatrick	3331997005	1997	5/25/1997
FitzPatrick	3331998004	1998	5/1/1998
FitzPatrick	3331998008	1998	8/3/1998
FitzPatrick	3331999010	1999	10/14/1999
FitzPatrick	3331999012	1999	11/5/1999
FitzPatrick	3332000003	2000	4/1/2000
FitzPatrick	3332005005	2005	9/14/2005
FitzPatrick	3332007002	2007	9/12/2007
FitzPatrick	3332012007	2012	11/4/2012
FitzPatrick	3332016001	2016	1/23/2016
FitzPatrick	3332016004	2016	6/24/2016
Grand Gulf	4161988002	1988	1/10/1988
Grand Gulf	4161988006	1988	1/20/1988
Grand Gulf	4161988010	1988	3/15/1988
Grand Gulf	4161988012	1988	8/15/1988
Grand Gulf	4161988019	1988	10/10/1988
Grand Gulf	4161989006	1989	5/5/1989
Grand Gulf	4161989010	1989	7/22/1989
Grand Gulf	4161989016	1989	11/7/1989
Grand Gulf	4161989019	1989	12/30/1989
Grand Gulf	4161990011	1990	7/24/1990
Grand Gulf	4161990017	1990	9/16/1990
Grand Gulf	4161991002	1991	4/6/1991
Grand Gulf	4161991005	1991	6/17/1991
Grand Gulf	4161991007	1991	7/28/1991

Plant Name	LER	CY	Event Date
Pilgrim	2931994005	1994	8/29/1994
Pilgrim	2931995003	1995	3/24/1995
Pilgrim	2931996005	1996	4/19/1996
Pilgrim	2931997003	1997	2/15/1997
Pilgrim	2931997026	1997	12/6/1997
Pilgrim	2931999008	1999	8/5/1999
Pilgrim	2931999009	1999	9/13/1999
Pilgrim	2932001007	2001	12/27/2001
Pilgrim	2932003001	2003	2/21/2003
Pilgrim	2932003003	2003	6/1/2003
Pilgrim	2932006001	2006	3/13/2006
Pilgrim	2932007005	2007	7/10/2007
Pilgrim	2932008006	2008	12/19/2008
Pilgrim	2932011003	2011	5/10/2011
Pilgrim	2932012002	2012	5/22/2012
Pilgrim	2932013001	2013	1/10/2013
Pilgrim	2932015005	2015	5/22/2015
Pilgrim	2932015007	2015	8/22/2015
Pilgrim	2932016007	2016	9/6/2016
Quad Cities Unit 1	2541988016	1988	12/5/1988
Quad Cities Unit 1	2541989003	1989	4/12/1989
Quad Cities Unit 1	2541989010	1989	6/29/1989
Quad Cities Unit 1	2541990004	1990	3/10/1990
Quad Cities Unit 1	2541991025	1991	12/11/1991
Quad Cities Unit 1	2541992004	1992	2/7/1992
Quad Cities Unit 1	2541993023	1993	12/16/1993
Quad Cities Unit 1	2541994008	1994	8/20/1994
Quad Cities Unit 1	2541998018	1998	6/27/1998
Quad Cities Unit 1	2541998022	1998	9/30/1998
Quad Cities Unit 1	2541999002	1999	5/21/1999
Quad Cities Unit 1	2542000010	2000	12/6/2000
Quad Cities Unit 1	2542005005	2005	6/17/2005
Quad Cities Unit 1	2542006002	2006	2/22/2006
Quad Cities Unit 1	2542010002	2010	8/12/2010
Quad Cities Unit 1	2542011002	2011	6/13/2011
Quad Cities Unit 1	2542015005	2015	4/2/2015
Quad Cities Unit 2	2651988001	1988	1/11/1988
Quad Cities Unit 2	2651988005	1988	3/20/1988
Quad Cities Unit 2	2651989001	1989	4/6/1989

Table A-27. (continued).

Plant Name	LER	CY	Event Date
Grand Gulf	4161991010	1991	8/10/1991
Grand Gulf	4161991012	1991	11/19/1991
Grand Gulf	4161992010	1992	6/6/1992
Grand Gulf	4161992013	1992	6/18/1992
Grand Gulf	4161992017	1992	8/4/1992
Grand Gulf	4161993008	1993	9/13/1993
Grand Gulf	4161994004	1994	3/26/1994
Grand Gulf	4161994011	1994	11/1/1994
Grand Gulf	4161995004	1995	3/16/1995
Grand Gulf	4161995007	1995	7/3/1995
Grand Gulf	4161995008	1995	7/12/1995
Grand Gulf	4161995010	1995	7/30/1995
Grand Gulf	4161995011	1995	9/17/1995
Grand Gulf	4161996004	1996	6/6/1996
Grand Gulf	4161996006	1996	11/27/1996
Grand Gulf	4161998001	1998	1/28/1998
Grand Gulf	4162000005	2000	9/15/2000
Grand Gulf	4162001003	2001	8/7/2001
Grand Gulf	4162002003	2002	6/22/2002
Grand Gulf	4162003002	2003	4/24/2003
Grand Gulf	4162007003	2007	8/21/2007
Grand Gulf	4162008001	2008	1/12/2008
Grand Gulf	4162008002	2008	3/21/2008
Grand Gulf	4162008005	2008	10/26/2008
Grand Gulf	4162010001	2010	3/8/2010
Grand Gulf	4162012002	2012	2/19/2012
Grand Gulf	4162012008	2012	12/29/2012
Grand Gulf	4162013001	2013	1/4/2013
Grand Gulf	4162013002	2013	1/14/2013
Grand Gulf	4162013003	2013	7/30/2013
Grand Gulf	4162014002	2014	3/17/2014
Grand Gulf	4162014003	2014	3/29/2014
Grand Gulf	4162015001	2015	2/7/2015
Grand Gulf	4162016002	2016	3/29/2016
Grand Gulf	4162016004	2016	6/17/2016
Grand Gulf	4162016005	2016	6/25/2016
Grand Gulf	4162017003	2017	4/4/2017
Hatch Unit 1	3211988003	1988	2/26/1988
Hatch Unit 1	3211988005	1988	4/19/1988

Plant Name	LER	CY	Event Date
Quad Cities Unit 2	2651989005	1989	10/12/1989
Quad Cities Unit 2	2651990010	1990	10/15/1990
Quad Cities Unit 2	2651992001	1992	1/1/1992
Quad Cities Unit 2	2651993001	1993	1/7/1993
Quad Cities Unit 2	2651993005	1993	1/29/1993
Quad Cities Unit 2	2651993013	1993	6/13/1993
Quad Cities Unit 2	2651993024	1993	12/2/1993
Quad Cities Unit 2	2651994005	1994	6/21/1994
Quad Cities Unit 2	2651994006	1994	8/23/1994
Quad Cities Unit 2	2651995005	1995	8/25/1995
Quad Cities Unit 2	2651998003	1998	6/28/1998
Quad Cities Unit 2	2652000007	2000	5/22/2000
Quad Cities Unit 2	2652000008	2000	7/18/2000
Quad Cities Unit 2	2652002002	2002	4/5/2002
Quad Cities Unit 2	2652004003	2004	3/30/2004
Quad Cities Unit 2	2652007001	2007	2/28/2007
Quad Cities Unit 2	2652010002	2010	8/17/2010
Quad Cities Unit 2	2652012003	2012	4/18/2012
Quad Cities Unit 2	2652014002	2014	4/2/2014
River Bend	4581988002	1988	1/10/1988
River Bend	4581988003	1988	1/28/1988
River Bend	4581988007	1988	2/21/1988
River Bend	4581988018	1988	8/25/1988
River Bend	4581988021	1988	9/6/1988
River Bend	4581989007	1989	2/20/1989
River Bend	4581989008	1989	2/25/1989
River Bend	4581989035	1989	9/30/1989
River Bend	4581989042	1989	12/1/1989
River Bend	4581990008	1990	3/15/1990
River Bend	4581990014	1990	4/7/1990
River Bend	4581990047	1990	12/12/1990
River Bend	4581992001	1992	2/15/1992
River Bend	4581992005	1992	3/5/1992
River Bend	4581992026	1992	11/24/1992
River Bend	4581993024	1993	10/14/1993
River Bend	4581994023	1994	9/8/1994
River Bend	4581994028	1994	10/28/1994
River Bend	4581994030	1994	12/4/1994
River Bend	4581995012	1995	12/19/1995

Table A-27. (continued).

Plant Name	LER	CY	Event Date
Hatch Unit 1	3211988009	1988	5/20/1988
Hatch Unit 1	3211988018	1988	12/17/1988
Hatch Unit 1	3211990013	1990	6/20/1990
Hatch Unit 1	3211990020	1990	10/6/1990
Hatch Unit 1	3211990021	1990	10/15/1990
Hatch Unit 1	3211991004	1991	2/12/1991
Hatch Unit 1	3211991007	1991	2/27/1991
Hatch Unit 1	3211991013	1991	8/9/1991
Hatch Unit 1	3211991017	1991	9/11/1991
Hatch Unit 1	3211992009	1992	3/28/1992
Hatch Unit 1	3211992014	1992	5/22/1992
Hatch Unit 1	3211992021	1992	8/27/1992
Hatch Unit 1	3211993001	1993	3/16/1993
Hatch Unit 1	3211993009	1993	5/14/1993
Hatch Unit 1	3211993012	1993	6/15/1993
Hatch Unit 1	3211993013	1993	10/22/1993
Hatch Unit 1	3211993016	1993	12/7/1993
Hatch Unit 1	3211994003	1994	3/29/1994
Hatch Unit 1	3211994014	1994	11/19/1994
Hatch Unit 1	3211996001	1996	1/4/1996
Hatch Unit 1	3211996004	1996	3/23/1996
Hatch Unit 1	3211999003	1999	5/7/1999
Hatch Unit 1	3212000002	2000	1/26/2000
Hatch Unit 1	3212000004	2000	7/10/2000
Hatch Unit 1	3212001002	2001	3/28/2001
Hatch Unit 1	3212002001	2002	2/8/2002
Hatch Unit 1	3212005002	2005	10/29/2005
Hatch Unit 1	3212008003	2008	7/4/2008
Hatch Unit 1	3212008004	2008	11/22/2008
Hatch Unit 1	3212009004	2009	5/10/2009
Hatch Unit 1	3212013001	2013	2/10/2013
Hatch Unit 2	3661988006	1988	3/18/1988
Hatch Unit 2	3661988008	1988	3/21/1988
Hatch Unit 2	3661988011	1988	4/17/1988
Hatch Unit 2	3661988017	1988	5/27/1988
Hatch Unit 2	3661988018	1988	5/29/1988
Hatch Unit 2	3661988020	1988	8/5/1988
Hatch Unit 2	3661988024	1988	12/25/1988
Hatch Unit 2	3661990003	1990	3/28/1990

Plant Name	LER	CY	Event Date
River Bend	4581996001	1996	1/4/1996
River Bend	4581996012	1996	6/6/1996
River Bend	4581997001	1997	5/6/1997
River Bend	4581997005	1997	8/22/1997
River Bend	4581999014	1999	10/29/1999
River Bend	4582001001	2001	4/21/2001
River Bend	4582002001	2002	9/18/2002
River Bend	4582003001	2003	2/22/2003
River Bend	4582003008	2003	9/22/2003
River Bend	4582004001	2004	8/15/2004
River Bend	4582004002	2004	10/1/2004
River Bend	4582004005	2004	12/10/2004
River Bend	4582005001	2005	1/15/2005
River Bend	4582006004	2006	4/15/2006
River Bend	4582007002	2007	5/4/2007
River Bend	4582007005	2007	9/26/2007
River Bend	4582007006	2007	11/7/2007
River Bend	4582008002	2008	3/5/2008
River Bend	4582009002	2009	9/20/2009
River Bend	4582011003	2011	12/23/2011
River Bend	4582012002	2012	5/21/2012
River Bend	4582014002	2014	10/17/2014
River Bend	4582014006	2014	12/25/2014
River Bend	4582015005	2015	6/1/2015
River Bend	4582015009	2015	11/27/2015
River Bend	4582017003	2017	3/10/2017
River Bend	4582017007	2017	6/23/2017
River Bend	4582017008	2017	8/18/2017
Susquehanna Unit 1	3871988006	1988	3/4/1988
Susquehanna Unit 1	3871988010	1988	6/18/1988
Susquehanna Unit 1	3871989002	1989	1/12/1989
Susquehanna Unit 1	3871989027	1989	12/24/1989
Susquehanna Unit 1	3871991008	1991	7/31/1991
Susquehanna Unit 1	3871992017	1992	11/12/1992
Susquehanna Unit 1	3871993008	1993	7/12/1993
Susquehanna Unit 1	3871996006	1996	8/1/1996
Susquehanna Unit 1	3871998016	1998	10/3/1998
Susquehanna Unit 1	3871999003	1999	7/1/1999
Susquehanna Unit 1	3872002004	2002	4/22/2002

Table A-27. (continued).

Plant Name	LER	CY	Event Date
Hatch Unit 2	3661991004	1991	2/14/1991
Hatch Unit 2	3661991005	1991	2/24/1991
Hatch Unit 2	3661992015	1992	9/16/1992
Hatch Unit 2	3661992026	1992	11/27/1992
Hatch Unit 2	3661993005	1993	5/21/1993
Hatch Unit 2	3661994007	1994	8/30/1994
Hatch Unit 2	3661995001	1995	4/11/1995
Hatch Unit 2	3661997010	1997	11/20/1997
Hatch Unit 2	3661999005	1999	5/5/1999
Hatch Unit 2	3661999007	1999	6/28/1999
Hatch Unit 2	3662001002	2001	10/26/2001
Hatch Unit 2	3662001003	2001	12/25/2001
Hatch Unit 2	3662005003	2005	5/23/2005
Hatch Unit 2	3662006002	2006	4/5/2006
Hatch Unit 2	3662007008	2007	8/7/2007
Hatch Unit 2	3662008002	2008	3/7/2008
Hatch Unit 2	3662009003	2009	6/20/2009
Hatch Unit 2	3662009004	2009	6/23/2009
Hope Creek	3541988013	1988	5/5/1988
Hope Creek	3541988022	1988	8/26/1988
Hope Creek	3541988029	1988	11/1/1988
Hope Creek	3541989017	1989	8/30/1989
Hope Creek	3541989025	1989	12/30/1989
Hope Creek	3541990001	1990	1/6/1990
Hope Creek	3541990024	1990	11/4/1990
Hope Creek	3541990028	1990	11/17/1990
Hope Creek	3541991005	1991	2/19/1991
Hope Creek	3541991008	1991	5/7/1991
Hope Creek	3541992013	1992	12/3/1992
Hope Creek	3541993004	1993	5/16/1993
Hope Creek	3541993012	1993	12/1/1993
Hope Creek	3541994007	1994	5/15/1994
Hope Creek	3541994011	1994	8/1/1994
Hope Creek	3541994012	1994	8/30/1994
Hope Creek	3541994014	1994	10/2/1994
Hope Creek	3541994015	1994	10/7/1994
Hope Creek	3541995005	1995	3/20/1995
Hope Creek	3541997022	1997	9/10/1997
Hope Creek	3541998008	1998	11/15/1998

Plant Name	LER	CY	Event Date
Susquehanna Unit 1	3872003006	2003	9/24/2003
Susquehanna Unit 1	3872004003	2004	4/21/2004
Susquehanna Unit 1	3872006004	2006	6/15/2006
Susquehanna Unit 1	3872006006	2006	11/25/2006
Susquehanna Unit 1	3872010002	2010	4/22/2010
Susquehanna Unit 1	3872010003	2010	7/16/2010
Susquehanna Unit 1	3872011002	2011	1/25/2011
Susquehanna Unit 1	3872013002	2013	6/7/2013
Susquehanna Unit 1	3872015007	2015	11/12/2015
Susquehanna Unit 1	3872017005	2017	6/8/2017
Susquehanna Unit 2	3881990002	1990	2/6/1990
Susquehanna Unit 2	3881990005	1990	5/28/1990
Susquehanna Unit 2	3881991012	1991	8/6/1991
Susquehanna Unit 2	3881994002	1994	1/20/1994
Susquehanna Unit 2	3881995005	1995	4/15/1995
Susquehanna Unit 2	3881996004	1996	7/14/1996
Susquehanna Unit 2	3881998009	1998	6/29/1998
Susquehanna Unit 2	3881998010	1998	7/2/1998
Susquehanna Unit 2	3881999003	1999	6/8/1999
Susquehanna Unit 2	3882002004	2002	9/30/2002
Susquehanna Unit 2	3872002006	2002	10/3/2002
Susquehanna Unit 2	3882005003	2005	4/28/2005
Susquehanna Unit 2	3882011003	2011	8/19/2011
Susquehanna Unit 2	3882012002	2012	11/9/2012
Susquehanna Unit 2	3882012003	2012	12/16/2012
Susquehanna Unit 2	3882012004	2012	12/19/2012
Susquehanna Unit 2	3882013003	2013	9/14/2013
Susquehanna Unit 2	3882015003	2015	4/10/2015
Susquehanna Unit 2	3882016004	2016	5/13/2016
Vermont Yankee	2711988007	1988	6/18/1988
Vermont Yankee	2711988008	1988	6/24/1988
Vermont Yankee	2711988009	1988	7/3/1988
Vermont Yankee	2711990004	1990	3/21/1990
Vermont Yankee	2711990009	1990	6/1/1990
Vermont Yankee	2711990015	1990	11/4/1990
Vermont Yankee	2711991005	1991	3/13/1991
Vermont Yankee	2711991014	1991	6/15/1991
Vermont Yankee	2711994004	1994	4/10/1994
Vermont Yankee	2711995021	1995	12/8/1995

Table A-27. (continued)

Plant Name	LER	CY	Event Date
Hope Creek	3542002004	2002	6/22/2002
Hope Creek	3542003007	2003	9/19/2003
Hope Creek	3542003008	2003	10/4/2003
Hope Creek	3542004001	2004	1/12/2004
Hope Creek	3542007001	2007	1/29/2007
Hope Creek	3542007002	2007	5/29/2007

Plant Name	LER	CY	Event Date
Vermont Yankee	2711997008	1997	4/24/1997
Vermont Yankee	2711997023	1997	11/25/1997
Vermont Yankee	2711998016	1998	6/9/1998
Vermont Yankee	2712001001	2001	3/19/2001
Vermont Yankee	2712004003	2004	6/18/2004
Vermont Yankee	2712005001	2005	7/25/2005
Vermont Yankee	2712007003	2007	8/30/2007
Vermont Yankee	2712010001	2010	5/26/2010

Table A-28. PWR loss of instrument air LERs.

Plant Name	LER	CY	Event Date
Beaver Valley Unit 1	3342001001	2001	6/22/2001
Beaver Valley Unit 1	3342001004	2001	12/7/2001
Braidwood Unit 1	4561988025	1988	11/15/1988
Braidwood Unit 2	4571988019	1988	7/24/1988
Braidwood Unit 2	4561988025	1988	11/15/1988
Fort Calhoun	2851990026	1990	11/19/1990
Indian Point Unit 2	2472013003	2013	7/3/2013
Millstone Unit 2	3362006002	2006	2/23/2006
Palo Verde Unit 3	5301992001	1992	1/24/1992
Prairie Island Unit 2	3061996002	1996	4/18/1996
San Onofre Unit 2	3612007001	2007	6/20/2007
Sequoyah Unit 1	3271997012	1997	8/1/1997
Surry Unit 1	2801990006	1990	7/1/1990
Turkey Point Unit 3	2502003002	2003	1/27/2003
Turkey Point Unit 3	2502014005	2014	8/11/2014
Vogtle Unit 1	4241988043	1988	12/15/1988
Vogtle Unit 2	4252009001	2009	12/23/2009

Table A-29. PWR steam generator tube rupture LERs.

Plant Name	LER	CY	Event Date
Indian Point Unit 2	2472000001	2000	2/15/2000
McGuire Unit 1	3691989004	1989	3/7/1989
Palo Verde Unit 2	5291993001	1993	3/14/1993

Table A-30. PWR stuck open safety relief valve LERs.

Plant Name	LER	CY	Event Date
Calvert Cliffs Unit 1	3171994007	1994	7/19/1994
Fort Calhoun	2851992023	1992	7/3/1992

Table A-31. PWR loss of heat sink LERs.

Plant Name	LER	CY	Event Date
Arkansas Unit 1	3131994002	1994	4/11/1994
Arkansas Unit 2	3681989006	1989	4/18/1989
Beaver Valley Unit 1	3341989007	1989	5/18/1989
Beaver Valley Unit 1	3342003001	2003	2/24/2003
Beaver Valley Unit 2	4121993002	1993	1/30/1993
Braidwood Unit 1	4561990018	1990	9/29/1990
Braidwood Unit 1	4561994012	1994	8/11/1994
Callaway	4831990007	1990	6/11/1990
Callaway	4831995005	1995	8/16/1995
Callaway	4832000002	2000	2/13/2000
Calvert Cliffs Unit 1	3171997009	1997	10/24/1997
Calvert Cliffs Unit 1	3172000005	2000	9/10/2000
Calvert Cliffs Unit 1	3172004001	2004	3/20/2004
Calvert Cliffs Unit 2	3181992003	1992	6/24/1992
Calvert Cliffs Unit 2	3181995002	1995	1/13/1995
Calvert Cliffs Unit 2	3182004001	2004	1/23/2004
Catawba Unit 1	4131994001	1994	1/11/1994
Catawba Unit 2	4141989003	1989	2/21/1989
Cook Unit 1	3152003003	2003	4/24/2003
Cook Unit 1	3152008006	2008	9/20/2008
Cook Unit 2	3161992007	1992	7/2/1992
Cook Unit 2	3152003003	2003	4/24/2003
Crystal River Unit 3	3021988024	1988	10/28/1988
Davis-Besse	3461989005	1989	5/30/1989
Davis-Besse	3462016001	2016	1/29/2016
Davis-Besse	3462016009	2016	9/10/2016
Diablo Canyon Unit 1	2751996012	1996	8/10/1996
Diablo Canyon Unit 1	2751999009	1999	10/28/1999
Diablo Canyon Unit 2	3231989005	1989	4/16/1989
Diablo Canyon Unit 2	3231994012	1994	12/19/1994
Farley Unit 1	3481989006	1989	11/12/1989
Farley Unit 2	3641994001	1994	8/5/1994
Farley Unit 2	3641999001	1999	6/12/1999
Fort Calhoun	2851996002	1996	3/28/1996
Ginna	2442003002	2003	8/14/2003
Ginna	2442007002	2007	3/16/2007
Harris	4001989001	1989	1/16/1989
Harris	4001989004	1989	2/7/1989
Harris	4001992007	1992	7/12/1992
Millstone Unit 3	4232005003	2005	9/29/2005
Millstone Unit 3	4232011003	2011	11/20/2011
North Anna Unit 1	3381988002	1988	1/8/1988
Oconee Unit 1	2691994002	1994	2/26/1994
Palisades	2552005001	2005	1/9/2005
Palisades	2552011007	2011	9/25/2011
Palo Verde Unit 1	5281995012	1995	11/26/1995
Palo Verde Unit 1	5281999001	1999	3/10/1999
Palo Verde Unit 1	5282004006	2004	6/14/2004
Palo Verde Unit 1	5282005005	2005	8/26/2005
Palo Verde Unit 2	5292000001	2000	8/26/2000
Palo Verde Unit 2	5282004006	2004	6/14/2004
Palo Verde Unit 3	5301989001	1989	3/3/1989
Palo Verde Unit 3	5301994007	1994	8/30/1994
Palo Verde Unit 3	5282004006	2004	6/14/2004
Point Beach Unit 1	2662005008	2005	12/13/2005
Point Beach Unit 2	3012001001	2001	2/6/2001
Point Beach Unit 2	3012004002	2004	5/5/2004
Prairie Island Unit 2	3062001004	2001	5/9/2001
Prairie Island Unit 2	3062001005	2001	10/31/2001
Salem Unit 1	2722001008	2001	9/24/2001
Salem Unit 1	2722006001	2006	3/8/2006
Salem Unit 2	3111988014	1988	6/22/1988
Salem Unit 2	3111989013	1989	6/10/1989
San Onofre Unit 2	3612002003	2002	6/30/2002
San Onofre Unit 2	3612009001	2009	9/13/2009
San Onofre Unit 3	3621990002	1990	2/23/1990
San Onofre Unit 3	3621993004	1993	7/5/1993
San Onofre Unit 3	3622004001	2004	6/4/2004
Seabrook	4431991002	1991	3/30/1991
Seabrook	4431994001	1994	1/25/1994
Sequoyah Unit 1	3272009003	2009	3/26/2009
Sequoyah Unit 2	3282000001	2000	1/18/2000
Sequoyah Unit 2	3272009003	2009	3/26/2009
Sequoyah Unit 2	3282013001	2013	2/24/2013
South Texas Unit 1	4981988049	1988	8/26/1988
St. Lucie Unit 1	3351999003	1999	8/23/1999
St. Lucie Unit 1	3352011001	2011	8/22/2011
St. Lucie Unit 1	3352012003	2012	3/31/2012

Table A-31. (continued).

Plant Name	LER	CY	Event Date
Harris	4001995011	1995	11/5/1995
Harris	4002016004	2016	10/8/2016
Kewaunee	3051992020	1992	11/1/1992
Kewaunee	3052006012	2006	10/30/2006
McGuire Unit 2	3701989002	1989	3/14/1989
McGuire Unit 2	3701993008	1993	12/27/1993
McGuire Unit 2	3691997009	1997	9/6/1997
McGuire Unit 2	3702001001	2001	7/18/2001
Millstone Unit 2	3361991012	1991	11/6/1991
Millstone Unit 2	3362001004	2001	5/7/2001
Millstone Unit 2	3362010001	2010	2/26/2010
Millstone Unit 3	4231988014	1988	4/13/1988
Millstone Unit 3	4231988024	1988	10/22/1988
Millstone Unit 3	4231990011	1990	3/30/1990
Millstone Unit 3	4231990013	1990	4/16/1990
Millstone Unit 3	4231990014	1990	5/10/1990
Millstone Unit 3	4231990030	1990	12/31/1990
Millstone Unit 3	4232005002	2005	4/17/2005

Plant Name	LER	CY	Event Date
Surry Unit 1	2801990006	1990	7/1/1990
Surry Unit 2	2811991007	1991	8/2/1991
Turkey Point Unit 3	2502005005	2005	10/15/2005
Turkey Point Unit 3	2502013002	2013	2/11/2013
Turkey Point Unit 4	2511997002	1997	4/23/1997
Vogtle Unit 1	4242009003	2009	12/9/2009
Vogtle Unit 2	4251996008	1996	10/23/1996
Vogtle Unit 2	4251998005	1998	6/9/1998
Waterford Unit 3	3821990003	1990	3/29/1990
Waterford Unit 3	3821991011	1991	5/28/1991
Waterford Unit 3	3821991019	1991	8/25/1991
Waterford Unit 3	3821991022	1991	11/17/1991
Waterford Unit 3	3822005005	2005	11/11/2005
Watts Bar Unit 1	3902015001	2015	2/21/2015
Wolf Creek	4821995001	1995	3/8/1995
Zion Unit 1	2951991016	1991	11/7/1991
Zion Unit 2	3041990010	1990	9/7/1990

Table A-32. PWR general transient LERs.

Plant Name	LER	CY	Event Date
Arkansas Unit 1	3131988003	1988	2/17/1988
Arkansas Unit 1	3131989002	1989	1/20/1989
Arkansas Unit 1	3131989018	1989	5/1/1989
Arkansas Unit 1	3131989037	1989	11/10/1989
Arkansas Unit 1	3131989038	1989	11/14/1989
Arkansas Unit 1	3131991001	1991	1/10/1991
Arkansas Unit 1	3131993001	1993	3/5/1993
Arkansas Unit 1	3131995005	1995	4/20/1995
Arkansas Unit 1	3131995009	1995	7/15/1995
Arkansas Unit 1	3131996005	1996	5/19/1996
Arkansas Unit 1	3131996007	1996	9/12/1996
Arkansas Unit 1	3131998005	1998	12/25/1998
Arkansas Unit 1	3131998005	1998	12/28/1998
Arkansas Unit 1	3132000004	2000	3/14/2000
Arkansas Unit 1	3132001001	2001	1/5/2001
Arkansas Unit 1	3132001004	2001	7/24/2001
Arkansas Unit 1	3132002002	2002	10/4/2002
Arkansas Unit 1	3132003001	2003	8/29/2003
Arkansas Unit 1	3132005003	2005	12/26/2005
Arkansas Unit 1	3132008001	2008	12/12/2008
Arkansas Unit 1	3132008001	2008	12/20/2008
Arkansas Unit 1	3132009001	2009	2/5/2009
Arkansas Unit 1	3132009002	2009	2/7/2009
Arkansas Unit 1	3132010004	2010	4/25/2010
Arkansas Unit 1	3132015001	2015	12/15/2015
Arkansas Unit 2	3681988020	1988	12/1/1988
Arkansas Unit 2	3681989024	1989	12/31/1989
Arkansas Unit 2	3681990014	1990	6/26/1990
Arkansas Unit 2	3681990019	1990	8/21/1990
Arkansas Unit 2	3681990020	1990	9/28/1990
Arkansas Unit 2	3681991005	1991	2/1/1991
Arkansas Unit 2	3681995002	1995	9/1/1995
Arkansas Unit 2	3681995003	1995	9/2/1995
Arkansas Unit 2	3682001002	2001	11/1/2001
Arkansas Unit 2	3682002002	2002	12/19/2002
Arkansas Unit 2	3682009001	2009	3/13/2009
Arkansas Unit 2	3682009005	2009	12/8/2009
Arkansas Unit 2	3682012001	2012	8/8/2012
Oconee Unit 2	2701999005	1999	12/24/1999
Oconee Unit 2	2702006001	2006	4/12/2006
Oconee Unit 2	2692007001	2007	2/15/2007
Oconee Unit 2	2702008001	2008	3/31/2008
Oconee Unit 3	2871988006	1988	11/14/1988
Oconee Unit 3	2871988006	1988	11/14/1988
Oconee Unit 3	2871989002	1989	3/6/1989
Oconee Unit 3	2871989004	1989	8/18/1989
Oconee Unit 3	2871990001	1990	1/19/1990
Oconee Unit 3	2871990002	1990	3/7/1990
Oconee Unit 3	2871990003	1990	11/13/1990
Oconee Unit 3	2871991005	1991	4/1/1991
Oconee Unit 3	2871991006	1991	6/9/1991
Oconee Unit 3	2871991007	1991	7/3/1991
Oconee Unit 3	2871992001	1992	1/14/1992
Oconee Unit 3	2871992002	1992	2/27/1992
Oconee Unit 3	2871992003	1992	6/24/1992
Oconee Unit 3	2871992004	1992	9/29/1992
Oconee Unit 3	2871993001	1993	1/26/1993
Oconee Unit 3	2871994001	1994	3/1/1994
Oconee Unit 3	2871994002	1994	8/10/1994
Oconee Unit 3	2871995002	1995	8/14/1995
Oconee Unit 3	2871996001	1996	3/16/1996
Oconee Unit 3	2871997001	1997	3/20/1997
Oconee Unit 3	2871998004	1998	12/31/1998
Oconee Unit 3	2872000001	2000	1/3/2000
Oconee Unit 3	2872002001	2002	11/14/2002
Oconee Unit 3	2872004001	2004	2/26/2004
Oconee Unit 3	2872005002	2005	8/31/2005
Oconee Unit 3	2872008001	2008	11/7/2008
Oconee Unit 3	2872009002	2009	5/21/2009
Oconee Unit 3	2872013001	2013	10/24/2013
Oconee Unit 3	2872015001	2015	1/31/2015
Oconee Unit 3	2872017001	2017	7/24/2017
Palisades	2551989020	1989	8/4/1989
Palisades	2551990002	1990	2/28/1990
Palisades	2551991012	1991	7/3/1991
Palisades	2551991015	1991	7/12/1991

Table A-32. (continued).

Plant Name	LER	CY	Event Date
Arkansas Unit 2	3132013001	2013	3/31/2013
Arkansas Unit 2	3682013004	2013	12/9/2013
Arkansas Unit 2	3682014002	2014	4/3/2014
Arkansas Unit 2	3682014003	2014	4/27/2014
Beaver Valley Unit 1	3341988007	1988	6/7/1988
Beaver Valley Unit 1	3341988008	1988	6/9/1988
Beaver Valley Unit 1	3341988009	1988	6/11/1988
Beaver Valley Unit 1	3341989001	1989	1/17/1989
Beaver Valley Unit 1	3341989002	1989	2/13/1989
Beaver Valley Unit 1	3341989007	1989	5/18/1989
Beaver Valley Unit 1	3341989018	1989	12/27/1989
Beaver Valley Unit 1	3341990007	1990	3/30/1990
Beaver Valley Unit 1	3341991022	1991	7/20/1991
Beaver Valley Unit 1	3341991023	1991	7/27/1991
Beaver Valley Unit 1	3341992009	1992	10/9/1992
Beaver Valley Unit 1	3341993013	1993	10/12/1993
Beaver Valley Unit 1	3341994005	1994	6/1/1994
Beaver Valley Unit 1	3341994008	1994	7/19/1994
Beaver Valley Unit 1	3341996008	1996	5/31/1996
Beaver Valley Unit 1	3341997005	1997	3/19/1997
Beaver Valley Unit 1	3341997025	1997	8/7/1997
Beaver Valley Unit 1	3341998028	1998	8/11/1998
Beaver Valley Unit 1	3341999001	1999	1/23/1999
Beaver Valley Unit 1	3341999010	1999	9/6/1999
Beaver Valley Unit 1	3342000005	2000	4/17/2000
Beaver Valley Unit 1	3342000006	2000	7/5/2000
Beaver Valley Unit 1	3342001003	2001	11/6/2001
Beaver Valley Unit 1	3342002002	2002	11/11/2002
Beaver Valley Unit 1	3342003001	2003	2/24/2003
Beaver Valley Unit 1	3342003007	2003	11/13/2003
Beaver Valley Unit 1	3342006004	2006	9/7/2006
Beaver Valley Unit 1	3342013003	2013	11/5/2013
Beaver Valley Unit 1	3342014001	2014	1/6/2014
Beaver Valley Unit 1	3342015001	2015	4/15/2015
Beaver Valley Unit 1	3342017003	2017	11/7/2017
Beaver Valley Unit 2	4121988002	1988	1/27/1988
Beaver Valley Unit 2	4121988007	1988	4/4/1988
Beaver Valley Unit 2	4121988009	1988	7/27/1988
Beaver Valley Unit 2	4121988013	1988	9/20/1988

Plant Name	LER	CY	Event Date
Palisades	2551992001	1991	12/9/1991
Palisades	2551992034	1992	7/1/1992
Palisades	2551992035	1992	7/24/1992
Palisades	2551992037	1992	8/14/1992
Palisades	2551992038	1992	8/25/1992
Palisades	2551992039	1992	10/30/1992
Palisades	2551998010	1998	7/21/1998
Palisades	2552002002	2002	12/1/2002
Palisades	2552005005	2005	9/1/2005
Palisades	2552006005	2006	5/10/2006
Palisades	2552007005	2007	5/8/2007
Palisades	2552008001	2008	1/13/2008
Palisades	2552008003	2008	5/23/2008
Palisades	2552011002	2011	1/22/2011
Palisades	2552011006	2011	9/16/2011
Palisades	2552015001	2015	9/16/2015
Palo Verde Unit 1	5281988011	1988	4/19/1988
Palo Verde Unit 1	5281988015	1988	5/12/1988
Palo Verde Unit 1	5281988021	1988	8/21/1988
Palo Verde Unit 1	5281988024	1988	8/27/1988
Palo Verde Unit 1	5281989004	1989	3/5/1989
Palo Verde Unit 1	5281990006	1990	8/14/1990
Palo Verde Unit 1	5281991009	1991	9/14/1991
Palo Verde Unit 1	5281991010	1991	10/27/1991
Palo Verde Unit 1	5281992012	1992	9/28/1992
Palo Verde Unit 1	5281992016	1992	12/8/1992
Palo Verde Unit 1	5281993001	1993	1/30/1993
Palo Verde Unit 1	5281995008	1995	5/30/1995
Palo Verde Unit 1	5281995014	1995	12/9/1995
Palo Verde Unit 1	5281996004	1996	8/10/1996
Palo Verde Unit 1	5281997001	1997	5/27/1997
Palo Verde Unit 1	5281998002	1998	2/22/1998
Palo Verde Unit 1	5281999001	1999	3/10/1999
Palo Verde Unit 1	5282002001	2002	11/10/2002
Palo Verde Unit 1	5282003002	2003	3/27/2003
Palo Verde Unit 1	5282005005	2005	8/26/2005
Palo Verde Unit 1	5282006006	2006	10/21/2006
Palo Verde Unit 1	5282010001	2010	3/7/2010
Palo Verde Unit 1	5282011004	2011	8/6/2011

Table A-32. (continued).

Plant Name	LER	CY	Event Date
Beaver Valley Unit 2	4121990008	1990	7/2/1990
Beaver Valley Unit 2	4121991005	1991	11/26/1991
Beaver Valley Unit 2	4121993002	1993	1/30/1993
Beaver Valley Unit 2	4121995006	1995	8/13/1995
Beaver Valley Unit 2	4121996004	1996	8/30/1996
Beaver Valley Unit 2	4121997001	1997	1/6/1997
Beaver Valley Unit 2	3341997005	1997	3/19/1997
Beaver Valley Unit 2	4122001001	2001	3/17/2001
Beaver Valley Unit 2	4122003003	2003	10/14/2003
Beaver Valley Unit 2	4122006001	2006	4/2/2006
Beaver Valley Unit 2	4122011002	2011	4/9/2011
Beaver Valley Unit 2	4122014002	2014	5/20/2014
Braidwood Unit 1	4561988016	1988	8/11/1988
Braidwood Unit 1	4561989004	1989	3/6/1989
Braidwood Unit 1	4561989006	1989	7/18/1989
Braidwood Unit 1	4561990001	1990	1/12/1990
Braidwood Unit 1	4561990008	1990	6/8/1990
Braidwood Unit 1	4561990018	1990	9/29/1990
Braidwood Unit 1	4561990021	1990	12/1/1990
Braidwood Unit 1	4561990023	1990	12/30/1990
Braidwood Unit 1	4561991012	1991	11/6/1991
Braidwood Unit 1	4561993001	1993	1/7/1993
Braidwood Unit 1	4561994012	1994	8/11/1994
Braidwood Unit 1	4561995004	1995	4/9/1995
Braidwood Unit 1	4562007001	2007	6/27/2007
Braidwood Unit 1	4562010001	2010	8/16/2010
Braidwood Unit 1	4562010004	2010	9/20/2010
Braidwood Unit 2	4571988012	1988	6/20/1988
Braidwood Unit 2	4571988013	1988	6/21/1988
Braidwood Unit 2	4571988014	1988	6/22/1988
Braidwood Unit 2	4571988016	1988	6/24/1988
Braidwood Unit 2	4571988018	1988	7/2/1988
Braidwood Unit 2	4571988020	1988	9/4/1988
Braidwood Unit 2	4571988022	1988	9/19/1988
Braidwood Unit 2	4571988026	1988	9/23/1988
Braidwood Unit 2	4561988023	1988	10/17/1988
Braidwood Unit 2	4571988029	1988	10/25/1988
Braidwood Unit 2	4571988031	1988	11/5/1988
Braidwood Unit 2	4571988028	1988	11/17/1988

Plant Name	LER	CY	Event Date
Palo Verde Unit 1	5282016002	2016	9/7/2016
Palo Verde Unit 2	5291988014	1988	11/16/1988
Palo Verde Unit 2	5291989003	1989	2/16/1989
Palo Verde Unit 2	5291989009	1989	7/12/1989
Palo Verde Unit 2	5291989010	1989	10/31/1989
Palo Verde Unit 2	5291990001	1990	2/23/1990
Palo Verde Unit 2	5291991003	1991	8/9/1991
Palo Verde Unit 2	5291991004	1991	8/16/1991
Palo Verde Unit 2	5291992001	1992	1/9/1992
Palo Verde Unit 2	5291992002	1992	3/23/1992
Palo Verde Unit 2	5291992006	1992	11/13/1992
Palo Verde Unit 2	5291993004	1993	11/1/1993
Palo Verde Unit 2	5291994002	1994	5/28/1994
Palo Verde Unit 2	5291994006	1994	10/29/1994
Palo Verde Unit 2	5291995005	1995	7/17/1995
Palo Verde Unit 2	5291996001	1996	1/21/1996
Palo Verde Unit 2	5291997006	1997	10/20/1997
Palo Verde Unit 2	5291999005	1999	6/18/1999
Palo Verde Unit 2	5292000007	2000	11/18/2000
Palo Verde Unit 2	5292001002	2001	7/13/2001
Palo Verde Unit 2	5292003001	2003	7/29/2003
Palo Verde Unit 2	5292004002	2004	7/14/2004
Palo Verde Unit 2	5292006003	2006	7/26/2006
Palo Verde Unit 2	5292007003	2007	10/6/2007
Palo Verde Unit 2	5292013002	2013	12/2/2013
Palo Verde Unit 3	5301989001	1989	3/3/1989
Palo Verde Unit 3	5301990004	1990	4/14/1990
Palo Verde Unit 3	5301990007	1990	10/20/1990
Palo Verde Unit 3	5301991003	1991	6/19/1991
Palo Verde Unit 3	5281991010	1991	10/27/1991
Palo Verde Unit 3	5301991008	1991	11/14/1991
Palo Verde Unit 3	5301993001	1993	2/4/1993
Palo Verde Unit 3	5301993004	1993	11/3/1993
Palo Verde Unit 3	5301994005	1994	8/19/1994
Palo Verde Unit 3	5301994007	1994	8/30/1994
Palo Verde Unit 3	5281996004	1996	8/10/1996
Palo Verde Unit 3	5301997002	1997	5/31/1997
Palo Verde Unit 3	5302001001	2001	5/19/2001
Palo Verde Unit 3	5302003004	2003	7/28/2003

Table A-32. (continued).

Plant Name	LER	CY	Event Date
Braidwood Unit 2	4571989002	1989	5/11/1989
Braidwood Unit 2	4561989006	1989	7/18/1989
Braidwood Unit 2	4571989004	1989	9/7/1989
Braidwood Unit 2	4571990010	1990	6/9/1990
Braidwood Unit 2	4571991003	1991	8/1/1991
Braidwood Unit 2	4571991006	1991	12/1/1991
Braidwood Unit 2	4571992001	1992	2/25/1992
Braidwood Unit 2	4571992002	1992	3/15/1992
Braidwood Unit 2	4571992006	1992	9/10/1992
Braidwood Unit 2	4571992007	1992	11/14/1992
Braidwood Unit 2	4571993007	1993	10/3/1993
Braidwood Unit 2	4571994003	1994	4/5/1994
Braidwood Unit 2	4571994005	1994	8/2/1994
Braidwood Unit 2	4571998001	1998	1/26/1998
Braidwood Unit 2	4571999001	1999	4/14/1999
Braidwood Unit 2	4571999003	1999	5/19/1999
Braidwood Unit 2	4572000002	2000	4/15/2000
Braidwood Unit 2	4572001001	2001	5/19/2001
Braidwood Unit 2	4572003004	2003	12/3/2003
Braidwood Unit 2	4572004002	2004	12/22/2004
Braidwood Unit 2	4572005002	2005	3/28/2005
Braidwood Unit 2	4572007001	2007	8/23/2007
Braidwood Unit 2	4572008002	2008	12/27/2008
Braidwood Unit 2	4572009001	2009	4/24/2009
Braidwood Unit 2	4572009002	2009	7/30/2009
Braidwood Unit 2	4572010003	2010	8/16/2010
Byron Unit 1	4541988002	1988	4/18/1988
Byron Unit 1	4541988004	1988	7/16/1988
Byron Unit 1	4541988005	1988	8/4/1988
Byron Unit 1	4541989002	1989	1/31/1989
Byron Unit 1	4541990006	1990	5/3/1990
Byron Unit 1	4541990011	1990	8/19/1990
Byron Unit 1	4541992001	1992	1/29/1992
Byron Unit 1	4541994009	1994	9/8/1994
Byron Unit 1	4541996011	1996	7/2/1996
Byron Unit 1	4541996017	1996	9/11/1996
Byron Unit 1	4541999003	1999	5/13/1999
Byron Unit 1	4542002003	2002	10/15/2002
Byron Unit 1	4542002003	2002	11/7/2002

Plant Name	LER	CY	Event Date
Palo Verde Unit 3	5302004002	2004	6/7/2004
Palo Verde Unit 3	5302006002	2006	3/5/2006
Palo Verde Unit 3	5302006005	2006	7/1/2006
Palo Verde Unit 3	5302006007	2006	10/19/2006
Palo Verde Unit 3	5302008001	2008	9/16/2008
Palo Verde Unit 3	5302008002	2008	9/27/2008
Palo Verde Unit 3	5302009001	2009	12/3/2009
Point Beach Unit 1	2661991005	1991	5/30/1991
Point Beach Unit 1	2661991008	1991	6/29/1991
Point Beach Unit 1	2661992008	1992	10/5/1992
Point Beach Unit 1	2661995006	1995	7/14/1995
Point Beach Unit 1	2662000001	2000	1/21/2000
Point Beach Unit 1	2662000010	2000	10/27/2000
Point Beach Unit 1	2662003002	2003	7/15/2003
Point Beach Unit 1	2662007004	2007	6/5/2007
Point Beach Unit 1	2662010002	2010	7/26/2010
Point Beach Unit 1	2662012004	2012	8/14/2012
Point Beach Unit 1	2662015002	2014	12/2/2014
Point Beach Unit 1	2662015006	2015	11/28/2015
Point Beach Unit 2	3011988001	1988	4/7/1988
Point Beach Unit 2	3011989002	1989	3/29/1989
Point Beach Unit 2	3011989004	1989	8/20/1989
Point Beach Unit 2	3011991006	1991	12/17/1991
Point Beach Unit 2	3011993002	1993	3/28/1993
Point Beach Unit 2	3011995003	1995	3/7/1995
Point Beach Unit 2	3011996001	1996	5/18/1996
Point Beach Unit 2	3012000007	2000	12/20/2000
Point Beach Unit 2	3012001001	2001	2/6/2001
Point Beach Unit 2	3012001002	2001	6/27/2001
Point Beach Unit 2	3012003004	2003	7/10/2003
Point Beach Unit 2	3012010001	2010	6/19/2010
Point Beach Unit 2	3012010002	2010	7/9/2010
Point Beach Unit 2	3012012001	2012	6/27/2012
Prairie Island Unit 1	2821989010	1989	7/21/1989
Prairie Island Unit 1	2821990017	1990	11/21/1990
Prairie Island Unit 1	2821991011	1991	8/16/1991
Prairie Island Unit 1	2821993005	1993	2/18/1993
Prairie Island Unit 1	2821997008	1997	6/2/1997
Prairie Island Unit 1	2821998008	1998	6/5/1998

Table A-32. (continued).

Plant Name	LER	CY	Event Date
Byron Unit 1	4542015002	2015	3/3/2015
Byron Unit 2	4551988001	1988	2/12/1988
Byron Unit 2	4551988004	1988	5/6/1988
Byron Unit 2	4551988006	1988	6/2/1988
Byron Unit 2	4551988009	1988	7/15/1988
Byron Unit 2	4551988012	1988	12/15/1988
Byron Unit 2	4551990001	1990	1/18/1990
Byron Unit 2	4551991005	1991	11/7/1991
Byron Unit 2	4551992003	1992	6/10/1992
Byron Unit 2	4551993003	1993	5/11/1993
Byron Unit 2	4551993008	1993	11/23/1993
Byron Unit 2	4551994002	1994	9/23/1994
Byron Unit 2	4541996007	1996	5/23/1996
Byron Unit 2	4551997003	1997	10/10/1997
Byron Unit 2	4552000001	2000	1/13/2000
Byron Unit 2	4552000002	2000	7/26/2000
Byron Unit 2	4552001002	2001	6/26/2001
Byron Unit 2	4552005001	2005	10/19/2005
Byron Unit 2	4552012001	2012	2/6/2012
Byron Unit 2	4552013001	2013	3/20/2013
Callaway	4831988001	1988	1/4/1988
Callaway	4831988004	1988	2/13/1988
Callaway	4831988005	1988	4/17/1988
Callaway	4831988006	1988	4/21/1988
Callaway	4831988007	1988	5/2/1988
Callaway	4831988010	1988	9/2/1988
Callaway	4831989006	1989	5/29/1989
Callaway	4831989008	1989	6/23/1989
Callaway	4831990005	1990	5/1/1990
Callaway	4831990016	1990	11/24/1990
Callaway	4831990017	1990	12/30/1990
Callaway	4831991006	1991	11/5/1991
Callaway	4831992002	1992	1/22/1992
Callaway	4831992007	1992	5/23/1992
Callaway	4831992010	1992	9/20/1992
Callaway	4831995004	1995	6/8/1995
Callaway	4831995005	1995	8/16/1995
Callaway	4831996001	1996	4/2/1996
Callaway	4832000002	2000	2/13/2000

Plant Name	LER	CY	Event Date
Prairie Island Unit 1	2821998016	1998	10/29/1998
Prairie Island Unit 1	2822001004	2001	8/1/2001
Prairie Island Unit 1	2822001005	2001	8/3/2001
Prairie Island Unit 1	2822002002	2002	11/15/2002
Prairie Island Unit 1	2822006001	2006	4/14/2006
Prairie Island Unit 1	2822008002	2008	7/31/2008
Prairie Island Unit 1	2822009005	2009	5/18/2009
Prairie Island Unit 1	2822011002	2011	7/1/2011
Prairie Island Unit 1	2822015004	2015	5/31/2015
Prairie Island Unit 2	3061989002	1989	5/26/1989
Prairie Island Unit 2	3061989004	1989	12/21/1989
Prairie Island Unit 2	3061989004	1989	12/26/1989
Prairie Island Unit 2	3061990001	1990	3/8/1990
Prairie Island Unit 2	3061990002	1990	3/9/1990
Prairie Island Unit 2	3061990003	1990	3/16/1990
Prairie Island Unit 2	3061990012	1990	12/29/1990
Prairie Island Unit 2	3061994002	1994	7/21/1994
Prairie Island Unit 2	3061996001	1996	3/19/1996
Prairie Island Unit 2	3061998005	1998	11/9/1998
Prairie Island Unit 2	3062000001	2000	4/28/2000
Prairie Island Unit 2	3062007001	2007	4/5/2007
Prairie Island Unit 2	3062008002	2008	10/30/2008
Prairie Island Unit 2	3062010001	2010	4/16/2010
Prairie Island Unit 2	3062010002	2010	5/25/2010
Prairie Island Unit 2	3062011002	2011	5/9/2011
Prairie Island Unit 2	3062012001	2012	2/21/2012
Prairie Island Unit 2	3062013001	2013	2/21/2013
Prairie Island Unit 2	3062015002	2015	4/3/2015
Prairie Island Unit 2	3062015003	2015	6/7/2015
Prairie Island Unit 2	3062016001	2015	12/17/2015
Rancho Seco	3121988008	1988	5/4/1988
Rancho Seco	3121988015	1988	10/14/1988
Rancho Seco	3121988018	1988	12/9/1988
Rancho Seco	3121989004	1989	3/28/1989
Robinson Unit 2	2611988001	1988	1/19/1988
Robinson Unit 2	2611988010	1988	5/2/1988
Robinson Unit 2	2611988011	1988	5/12/1988
Robinson Unit 2	2611989004	1989	2/27/1989
Robinson Unit 2	2611989005	1989	3/22/1989

Table A-32. (continued).

Plant Name	LER	CY	Event Date
Callaway	4832001003	2001	3/9/2001
Callaway	4832002014	2002	12/14/2002
Callaway	4832004002	2004	1/27/2004
Callaway	4832004003	2004	2/3/2004
Callaway	4832004005	2004	2/15/2004
Callaway	4832005001	2005	1/19/2005
Callaway	4832006004	2006	5/12/2006
Callaway	4832007002	2007	3/9/2007
Callaway	4832008005	2008	11/11/2008
Callaway	4832008006	2008	12/11/2008
Callaway	4832008008	2008	12/14/2008
Callaway	4832013008	2013	7/26/2013
Callaway	4832014006	2014	12/3/2014
Callaway	4832015003	2015	8/11/2015
Calvert Cliffs Unit 1	3171988006	1988	7/15/1988
Calvert Cliffs Unit 1	3171988009	1988	8/24/1988
Calvert Cliffs Unit 1	3171988012	1988	11/14/1988
Calvert Cliffs Unit 1	3171991003	1991	10/1/1991
Calvert Cliffs Unit 1	3171993003	1993	6/10/1993
Calvert Cliffs Unit 1	3171993004	1993	6/11/1993
Calvert Cliffs Unit 1	3171994001	1994	1/24/1994
Calvert Cliffs Unit 1	3171994006	1994	6/16/1994
Calvert Cliffs Unit 1	3171994007	1994	7/19/1994
Calvert Cliffs Unit 1	3171995002	1995	6/16/1995
Calvert Cliffs Unit 1	3171995005	1995	11/9/1995
Calvert Cliffs Unit 1	3171995006	1995	11/16/1995
Calvert Cliffs Unit 1	3171999004	1999	7/24/1999
Calvert Cliffs Unit 1	3172000001	2000	1/14/2000
Calvert Cliffs Unit 1	3172002003	2002	7/24/2002
Calvert Cliffs Unit 1	3172005002	2005	3/1/2005
Calvert Cliffs Unit 1	3172006004	2006	12/12/2006
Calvert Cliffs Unit 1	3172010001	2010	2/18/2010
Calvert Cliffs Unit 1	3172010003	2010	5/12/2010
Calvert Cliffs Unit 1	3172011001	2011	8/27/2011
Calvert Cliffs Unit 1	3172014001	2014	1/21/2014
Calvert Cliffs Unit 1	3172014006	2014	5/1/2014
Calvert Cliffs Unit 1	3172016001	2016	1/25/2016
Calvert Cliffs Unit 1	3172016003	2016	5/31/2016
Calvert Cliffs Unit 2	3181988002	1988	1/22/1988

Plant Name	LER	CY	Event Date
Robinson Unit 2	2611989006	1989	3/30/1989
Robinson Unit 2	2611990002	1990	1/17/1990
Robinson Unit 2	2611990007	1990	5/17/1990
Robinson Unit 2	2611991011	1991	8/30/1991
Robinson Unit 2	2611994006	1994	4/3/1994
Robinson Unit 2	2611994016	1994	8/2/1994
Robinson Unit 2	2611995004	1995	6/30/1995
Robinson Unit 2	2611996004	1996	9/7/1996
Robinson Unit 2	2611996007	1996	10/20/1996
Robinson Unit 2	2611997011	1997	11/16/1997
Robinson Unit 2	2611998003	1998	4/25/1998
Robinson Unit 2	2611998005	1998	10/17/1998
Robinson Unit 2	2612000001	2000	6/21/2000
Robinson Unit 2	2612006001	2006	10/25/2006
Robinson Unit 2	2612007001	2007	5/15/2007
Robinson Unit 2	2612008002	2008	11/17/2008
Robinson Unit 2	2612009003	2009	11/6/2009
Robinson Unit 2	2612010002	2010	3/28/2010
Robinson Unit 2	2612010007	2010	9/9/2010
Robinson Unit 2	2612010009	2010	10/7/2010
Robinson Unit 2	2612011002	2011	9/26/2011
Robinson Unit 2	2612012004	2012	3/28/2012
Robinson Unit 2	2612013003	2013	11/5/2013
Robinson Unit 2	2612014001	2014	1/9/2014
Robinson Unit 2	2612016004	2016	8/24/2016
Salem Unit 1	2721988003	1988	2/24/1988
Salem Unit 1	2721988009	1988	3/30/1988
Salem Unit 1	2721988015	1988	8/31/1988
Salem Unit 1	2721989007	1989	2/6/1989
Salem Unit 1	2721989027	1989	6/19/1989
Salem Unit 1	2721990012	1990	4/9/1990
Salem Unit 1	2721990029	1990	8/17/1990
Salem Unit 1	2721990030	1990	9/10/1990
Salem Unit 1	2721991024	1991	6/16/1991
Salem Unit 1	2721993004	1993	2/16/1993
Salem Unit 1	2721993013	1993	7/19/1993
Salem Unit 1	2721994003	1994	1/27/1994
Salem Unit 1	2721994005	1994	2/10/1994
Salem Unit 1	2721994007	1994	4/7/1994

Table A-32. (continued)..

Plant Name	LER	CY	Event Date
Calvert Cliffs Unit 2	3181988004	1988	4/27/1988
Calvert Cliffs Unit 2	3181992001	1992	1/2/1992
Calvert Cliffs Unit 2	3181992006	1992	8/17/1992
Calvert Cliffs Unit 2	3181992007	1992	9/29/1992
Calvert Cliffs Unit 2	3181993003	1993	6/25/1993
Calvert Cliffs Unit 2	3181994001	1994	1/12/1994
Calvert Cliffs Unit 2	3181994004	1994	8/10/1994
Calvert Cliffs Unit 2	3181994005	1994	9/24/1994
Calvert Cliffs Unit 2	3181994006	1994	10/27/1994
Calvert Cliffs Unit 2	3181995002	1995	1/13/1995
Calvert Cliffs Unit 2	3181995003	1995	1/15/1995
Calvert Cliffs Unit 2	3181995005	1995	5/24/1995
Calvert Cliffs Unit 2	3181996001	1996	2/27/1996
Calvert Cliffs Unit 2	3181996005	1996	11/17/1996
Calvert Cliffs Unit 2	3182003003	2003	5/28/2003
Calvert Cliffs Unit 2	3182004001	2004	1/23/2004
Calvert Cliffs Unit 2	3182006001	2006	11/16/2006
Calvert Cliffs Unit 2	3182013003	2013	5/8/2013
Calvert Cliffs Unit 2	3182013004	2013	5/21/2013
Calvert Cliffs Unit 2	3182014001	2014	1/21/2014
Calvert Cliffs Unit 2	3182015001	2015	12/1/2015
Calvert Cliffs Unit 2	3182016001	2016	12/3/2016
Catawba Unit 1	4131989008	1989	3/5/1989
Catawba Unit 1	4131989017	1989	6/26/1989
Catawba Unit 1	4131989022	1989	8/23/1989
Catawba Unit 1	4131991013	1991	6/20/1991
Catawba Unit 1	4131991015	1991	7/10/1991
Catawba Unit 1	4131991021	1991	10/2/1991
Catawba Unit 1	4131993008	1993	7/18/1993
Catawba Unit 1	4132000001	2000	2/13/2000
Catawba Unit 1	4132001001	2001	1/17/2001
Catawba Unit 1	4132003001	2003	2/4/2003
Catawba Unit 1	4132003005	2003	8/29/2003
Catawba Unit 1	4132004002	2004	2/22/2004
Catawba Unit 1	4132004004	2004	12/5/2004
Catawba Unit 1	4132012001	2012	4/4/2012
Catawba Unit 2	4141988012	1988	3/9/1988
Catawba Unit 2	4141988019	1988	5/27/1988
Catawba Unit 2	4141988020	1988	5/28/1988

Plant Name	LER	CY	Event Date
Salem Unit 1	2721994009	1994	6/10/1994
Salem Unit 1	2721994011	1994	7/14/1994
Salem Unit 1	2721999001	1999	2/28/1999
Salem Unit 1	2721999004	1999	5/20/1999
Salem Unit 1	2722000001	2000	1/6/2000
Salem Unit 1	2722000002	2000	4/11/2000
Salem Unit 1	2722000003	2000	8/9/2000
Salem Unit 1	2722001006	2001	5/22/2001
Salem Unit 1	2722001008	2001	9/24/2001
Salem Unit 1	2722002004	2002	11/12/2002
Salem Unit 1	2722003002	2003	7/29/2003
Salem Unit 1	2722006001	2006	3/8/2006
Salem Unit 1	2722007002	2007	4/24/2007
Salem Unit 1	2722007002	2007	4/30/2007
Salem Unit 1	2722007003	2007	12/28/2007
Salem Unit 1	2722010002	2010	7/7/2010
Salem Unit 1	2722010005	2010	10/15/2010
Salem Unit 1	2722011003	2011	4/21/2011
Salem Unit 1	2722012001	2012	4/30/2012
Salem Unit 1	2722012004	2012	10/30/2012
Salem Unit 1	2722012005	2012	12/21/2012
Salem Unit 1	2722014002	2014	4/8/2014
Salem Unit 1	2722014003	2014	4/13/2014
Salem Unit 1	2722014004	2014	5/7/2014
Salem Unit 1	2722014006	2014	10/19/2014
Salem Unit 1	2722003002	2003	7/29/2003
Salem Unit 1	2722006001	2006	3/8/2006
Salem Unit 1	2722007002	2007	4/24/2007
Salem Unit 1	2722007002	2007	4/30/2007
Salem Unit 1	2722007003	2007	12/28/2007
Salem Unit 1	2722010002	2010	7/7/2010
Salem Unit 1	2722010005	2010	10/15/2010
Salem Unit 1	2722011003	2011	4/21/2011
Salem Unit 1	2722012001	2012	4/30/2012
Salem Unit 1	2722012004	2012	10/30/2012
Salem Unit 1	2722012005	2012	12/21/2012
Salem Unit 1	2722014002	2014	4/8/2014
Salem Unit 1	2722014003	2014	4/13/2014
Salem Unit 1	2722014004	2014	5/7/2014

Table A-32. (continued).

Plant Name	LER	CY	Event Date
Catawba Unit 2	4141988021	1988	6/3/1988
Catawba Unit 2	4141988022	1988	6/6/1988
Catawba Unit 2	4141988023	1988	6/20/1988
Catawba Unit 2	4141988025	1988	6/26/1988
Catawba Unit 2	4141988028	1988	9/29/1988
Catawba Unit 2	4141989001	1989	1/12/1989
Catawba Unit 2	4141989003	1989	2/21/1989
Catawba Unit 2	4141990013	1990	10/7/1990
Catawba Unit 2	4141991008	1991	5/29/1991
Catawba Unit 2	4141992001	1992	1/15/1992
Catawba Unit 2	4141992006	1992	12/14/1992
Catawba Unit 2	4141993003	1993	9/25/1993
Catawba Unit 2	4141994003	1994	7/10/1994
Catawba Unit 2	4141994005	1994	8/30/1994
Catawba Unit 2	4141994006	1994	9/13/1994
Catawba Unit 2	4141994007	1994	10/18/1994
Catawba Unit 2	4141995001	1995	2/21/1995
Catawba Unit 2	4141995004	1995	4/27/1995
Catawba Unit 2	4141997005	1997	6/26/1997
Catawba Unit 2	4141997006	1997	7/26/1997
Catawba Unit 2	4141999006	1999	12/30/1999
Catawba Unit 2	4142000003	2000	6/5/2000
Catawba Unit 2	4142001003	2001	12/7/2001
Catawba Unit 2	4142004002	2004	10/28/2004
Comanche Peak Unit 1	4451990009	1990	4/21/1990
Comanche Peak Unit 1	4451990017	1990	5/27/1990
Comanche Peak Unit 1	4451990023	1990	8/8/1990
Comanche Peak Unit 1	4451990025	1990	8/25/1990
Comanche Peak Unit 1	4451990027	1990	9/7/1990
Comanche Peak Unit 1	4451990028	1990	9/8/1990
Comanche Peak Unit 1	4451990029	1990	9/10/1990
Comanche Peak Unit 1	4451991002	1991	1/23/1991
Comanche Peak Unit 1	4451991004	1991	2/10/1991
Comanche Peak Unit 1	4451991008	1991	3/17/1991
Comanche Peak Unit 1	4451991020	1991	7/13/1991
Comanche Peak Unit 1	4451991023	1991	10/3/1991
Comanche Peak Unit 1	4451992001	1992	1/8/1992
Comanche Peak Unit 1	4451992009	1992	5/8/1992
Comanche Peak Unit 1	4451992022	1992	10/12/1992

Plant Name	LER	CY	Event Date
Salem Unit 1	2722014006	2014	10/19/2014
Salem Unit 2	3111988006	1988	4/21/1988
Salem Unit 2	3111988007	1988	4/22/1988
Salem Unit 2	3111988009	1988	5/13/1988
Salem Unit 2	3111988014	1988	6/22/1988
Salem Unit 2	3111988016	1988	7/30/1988
Salem Unit 2	3111988017	1988	8/31/1988
Salem Unit 2	3111988024	1988	11/28/1988
Salem Unit 2	3111989003	1989	2/5/1989
Salem Unit 2	3111989005	1989	3/12/1989
Salem Unit 2	3111989008	1989	4/11/1989
Salem Unit 2	3111989013	1989	6/10/1989
Salem Unit 2	3111990036	1990	9/4/1990
Salem Unit 2	3111991017	1991	11/9/1991
Salem Unit 2	3111992007	1992	4/26/1992
Salem Unit 2	3111992009	1992	5/14/1992
Salem Unit 2	3111992014	1992	9/3/1992
Salem Unit 2	3111993005	1993	3/16/1993
Salem Unit 2	3111994008	1994	6/29/1994
Salem Unit 2	3111994011	1994	9/29/1994
Salem Unit 2	3111995004	1995	6/7/1995
Salem Unit 2	3112001008	2001	12/31/2001
Salem Unit 2	3112003001	2003	3/29/2003
Salem Unit 2	3112004006	2004	7/13/2004
Salem Unit 2	3112004007	2004	7/15/2004
Salem Unit 2	3112004008	2004	9/9/2004
Salem Unit 2	3112006003	2006	9/26/2006
Salem Unit 2	3112007002	2007	5/24/2007
Salem Unit 2	3112008002	2008	5/9/2008
Salem Unit 2	3112010001	2010	1/3/2010
Salem Unit 2	3112010002	2010	1/21/2010
Salem Unit 2	3112010003	2010	10/17/2010
Salem Unit 2	3112011004	2011	6/26/2011
Salem Unit 2	3112012001	2012	3/23/2012
Salem Unit 2	3112012005	2012	11/25/2012
Salem Unit 2	3112014002	2014	1/31/2014
Salem Unit 2	3112015002	2015	8/5/2015
Salem Unit 2	3112016002	2016	2/4/2016
Salem Unit 2	3112016003	2016	2/14/2016

Table A-32. (continued).

Plant Name	LER	CY	Event Date
Comanche Peak Unit 1	4451993001	1993	1/18/1993
Comanche Peak Unit 1	4451993002	1993	1/24/1993
Comanche Peak Unit 1	4451993007	1993	6/26/1993
Comanche Peak Unit 1	4451993011	1993	12/24/1993
Comanche Peak Unit 1	4451994001	1994	2/1/1994
Comanche Peak Unit 1	4451994006	1994	11/29/1994
Comanche Peak Unit 1	4451995002	1995	5/5/1995
Comanche Peak Unit 1	4451995003	1995	6/11/1995
Comanche Peak Unit 1	4451995007	1995	11/19/1995
Comanche Peak Unit 1	4451996001	1996	1/17/1996
Comanche Peak Unit 1	4451996007	1996	8/9/1996
Comanche Peak Unit 1	4451997009	1997	10/27/1997
Comanche Peak Unit 1	4452003003	2003	5/15/2003
Comanche Peak Unit 1	4452010001	2010	1/9/2010
Comanche Peak Unit 1	4452012003	2012	11/2/2012
Comanche Peak Unit 1	4452014001	2014	1/18/2014
Comanche Peak Unit 2	4461993003	1993	5/4/1993
Comanche Peak Unit 2	4461993005	1993	5/20/1993
Comanche Peak Unit 2	4461993011	1993	11/17/1993
Comanche Peak Unit 2	4461994003	1994	3/5/1994
Comanche Peak Unit 2	4461994010	1994	6/27/1994
Comanche Peak Unit 2	4461994012	1994	8/15/1994
Comanche Peak Unit 2	4461994014	1994	10/7/1994
Comanche Peak Unit 2	4451995002	1995	5/5/1995
Comanche Peak Unit 2	4461995004	1995	12/5/1995
Comanche Peak Unit 2	4461996003	1996	2/23/1996
Comanche Peak Unit 2	4461996006	1996	9/18/1996
Comanche Peak Unit 2	4461996007	1996	10/18/1996
Comanche Peak Unit 2	4461997002	1997	10/25/1997
Comanche Peak Unit 2	4461998002	1998	3/8/1998
Comanche Peak Unit 2	4461999002	1999	1/3/1999
Comanche Peak Unit 2	4462001001	2001	7/18/2001
Comanche Peak Unit 2	4462002001	2002	6/6/2002
Comanche Peak Unit 2	4452003003	2003	5/15/2003
Comanche Peak Unit 2	4462003001	2003	7/9/2003
Comanche Peak Unit 2	4462003005	2003	12/22/2003
Comanche Peak Unit 2	4462006002	2006	10/27/2006
Comanche Peak Unit 2	4462006003	2006	10/29/2006

Plant Name	LER	CY	Event Date
Salem Unit 2	3112016005	2016	6/28/2016
Salem Unit 2	3112016006	2016	8/31/2016
San Onofre Unit 1	2061989019	1989	7/24/1989
San Onofre Unit 1	2061989021	1989	8/3/1989
San Onofre Unit 1	2061989023	1989	9/18/1989
San Onofre Unit 1	2061990007	1990	4/30/1990
San Onofre Unit 1	2061990011	1990	5/15/1990
San Onofre Unit 1	2061991010	1991	5/28/1991
San Onofre Unit 1	2061991017	1991	10/17/1991
San Onofre Unit 2	3611989019	1989	9/2/1989
San Onofre Unit 2	3611990016	1990	12/6/1990
San Onofre Unit 2	3611991003	1991	3/10/1991
San Onofre Unit 2	3611991007	1991	4/10/1991
San Onofre Unit 2	3611992008	1992	4/24/1992
San Onofre Unit 2	3611992012	1992	7/31/1992
San Onofre Unit 2	3612002006	2002	11/2/2002
San Onofre Unit 2	3612002007	2002	11/4/2002
San Onofre Unit 2	3612003001	2003	2/1/2003
San Onofre Unit 2	3612004004	2004	11/19/2004
San Onofre Unit 2	3612005001	2005	2/3/2005
San Onofre Unit 2	3612008004	2008	6/5/2008
San Onofre Unit 2	3612011002	2011	9/8/2011
San Onofre Unit 3	3621988002	1988	2/19/1988
San Onofre Unit 3	3621989001	1989	1/6/1989
San Onofre Unit 3	3621989006	1989	4/7/1989
San Onofre Unit 3	3621991001	1991	3/15/1991
San Onofre Unit 3	3621992003	1992	5/15/1992
San Onofre Unit 3	3621993001	1993	1/16/1993
San Onofre Unit 3	3621999004	1999	5/15/1999
San Onofre Unit 3	3622001001	2001	2/3/2001
San Onofre Unit 3	3612011002	2011	9/8/2011
San Onofre Unit 3	3622012001	2012	1/31/2012
Seabrook	4431989008	1989	6/22/1989
Seabrook	4431990015	1990	6/20/1990
Seabrook	4431990022	1990	8/22/1990
Seabrook	4431990025	1990	11/9/1990
Seabrook	4431991001	1991	2/12/1991
Seabrook	4431991002	1991	3/30/1991

Table A-32. (continued).

Plant Name	LER	CY	Event Date
Comanche Peak Unit 2	4462008001	2008	3/16/2008
Comanche Peak Unit 2	4462011002	2011	5/19/2011
Comanche Peak Unit 2	4462012002	2012	11/17/2012
Comanche Peak Unit 2	4462013002	2013	11/1/2013
Comanche Peak Unit 2	4462015002	2015	10/3/2015
Comanche Peak Unit 2	4462017002	2017	9/1/2017
Cook Unit 1	3151988001	1988	1/13/1988
Cook Unit 1	3151988011	1988	10/19/1988
Cook Unit 1	3151988013	1988	11/23/1988
Cook Unit 1	3151989001	1989	1/16/1989
Cook Unit 1	3151989003	1989	3/18/1989
Cook Unit 1	3151991004	1991	5/12/1991
Cook Unit 1	3151992012	1992	10/28/1992
Cook Unit 1	3151995003	1995	7/14/1995
Cook Unit 1	3151995012	1995	12/7/1995
Cook Unit 1	3151996002	1996	3/17/1996
Cook Unit 1	3151996004	1996	9/22/1996
Cook Unit 1	3152001001	2001	2/15/2001
Cook Unit 1	3152002005	2002	6/14/2002
Cook Unit 1	3152003001	2003	1/15/2003
Cook Unit 1	3152003003	2003	4/24/2003
Cook Unit 1	3152005001	2005	4/26/2005
Cook Unit 1	3152007001	2007	8/28/2007
Cook Unit 1	3152008001	2008	2/2/2008
Cook Unit 1	3152008006	2008	9/20/2008
Cook Unit 1	3152011001	2011	9/7/2011
Cook Unit 1	3152014003	2014	11/1/2014
Cook Unit 2	3161989014	1989	8/14/1989
Cook Unit 2	3161990004	1990	6/11/1990
Cook Unit 2	3161990012	1990	12/12/1990
Cook Unit 2	3161990013	1990	12/15/1990
Cook Unit 2	3161991004	1991	3/13/1991
Cook Unit 2	3161991010	1991	11/15/1991
Cook Unit 2	3161993007	1993	8/2/1993
Cook Unit 2	3161993008	1993	8/27/1993
Cook Unit 2	3161994001	1994	2/21/1994
Cook Unit 2	3161994005	1994	8/15/1994
Cook Unit 2	3161994008	1994	12/11/1994
Cook Unit 2	3161995002	1995	2/23/1995
Seabrook	4431991006	1991	6/2/1991
Seabrook	4431991008	1991	6/27/1991
Seabrook	4431991009	1991	7/4/1991
Seabrook	4431992017	1992	9/7/1992
Seabrook	4431992024	1992	11/27/1992
Seabrook	4431992025	1992	12/13/1992
Seabrook	4431993003	1993	1/14/1993
Seabrook	4431993009	1993	5/20/1993
Seabrook	4431993012	1993	7/27/1993
Seabrook	4431993018	1993	9/22/1993
Seabrook	4431994001	1994	1/25/1994
Seabrook	4431995002	1995	6/18/1995
Seabrook	4431996001	1996	1/27/1996
Seabrook	4431997008	1997	5/10/1997
Seabrook	4431998014	1998	12/22/1998
Seabrook	4432000004	2000	6/26/2000
Seabrook	4432001003	2001	10/15/2001
Seabrook	4432003002	2003	10/31/2003
Seabrook	4432005006	2005	5/1/2005
Seabrook	4432008001	2008	1/19/2008
Seabrook	4432011002	2011	10/6/2011
Seabrook	4432012003	2012	9/14/2012
Seabrook	4432014001	2014	4/1/2014
Seabrook	4432016001	2016	3/2/2016
Seabrook	4432017001	2017	4/29/2017
Sequoyah Unit 1	3271988045	1988	11/18/1988
Sequoyah Unit 1	3271988047	1988	12/25/1988
Sequoyah Unit 1	3271989005	1989	2/10/1989
Sequoyah Unit 1	3271989035	1989	12/10/1989
Sequoyah Unit 1	3271990021	1990	9/14/1990
Sequoyah Unit 1	3271990022	1990	9/19/1990
Sequoyah Unit 1	3271992010	1992	4/28/1992
Sequoyah Unit 1	3271992012	1992	5/16/1992
Sequoyah Unit 1	3271992018	1992	10/26/1992
Sequoyah Unit 1	3271993002	1993	2/5/1993
Sequoyah Unit 1	3271993003	1993	2/18/1993
Sequoyah Unit 1	3271994011	1994	7/15/1994
Sequoyah Unit 1	3271994014	1994	11/29/1994
Sequoyah Unit 1	3271995008	1995	6/23/1995

Table A-32. (continued).

Plant Name	LER	CY	Event Date
Cook Unit 2	3161995004	1995	8/26/1995
Cook Unit 2	3161995005	1995	8/29/1995
Cook Unit 2	3161995006	1995	9/8/1995
Cook Unit 2	3161996005	1996	5/8/1996
Cook Unit 2	3161997001	1997	3/11/1997
Cook Unit 2	3162001004	2001	10/27/2001
Cook Unit 2	3162002005	2002	5/12/2002
Cook Unit 2	3162002006	2002	7/22/2002
Cook Unit 2	3162003002	2003	2/5/2003
Cook Unit 2	3152003003	2003	4/24/2003
Cook Unit 2	3162003005	2003	12/30/2003
Cook Unit 2	3162004001	2004	3/29/2004
Cook Unit 2	3162004002	2004	4/8/2004
Cook Unit 2	3162005001	2005	11/8/2005
Cook Unit 2	3162009001	2009	7/26/2009
Cook Unit 2	3162012002	2012	4/30/2012
Cook Unit 2	3162013001	2013	7/28/2013
Cook Unit 2	3152014003	2014	11/1/2014
Cook Unit 2	3162015001	2015	4/23/2015
Cook Unit 2	3162016001	2016	7/6/2016
Crystal River Unit 3	3021988006	1988	2/28/1988
Crystal River Unit 3	3021991003	1991	4/20/1991
Crystal River Unit 3	3021991014	1991	11/25/1991
Crystal River Unit 3	3021991017	1991	12/2/1991
Crystal River Unit 3	3021991018	1991	12/8/1991
Crystal River Unit 3	3021992027	1992	12/29/1992
Crystal River Unit 3	3021993009	1993	9/18/1993
Crystal River Unit 3	3021996017	1996	5/31/1996
Crystal River Unit 3	3021998003	1998	2/11/1998
Crystal River Unit 3	3021998009	1998	8/27/1998
Crystal River Unit 3	3022002002	2002	11/7/2002
Crystal River Unit 3	3022003005	2003	11/5/2003
Crystal River Unit 3	3022004003	2004	9/6/2004
Crystal River Unit 3	3022005003	2005	10/29/2005
Crystal River Unit 3	3022008003	2008	8/24/2008
Crystal River Unit 3	3022009001	2009	1/27/2009
Crystal River Unit 3	3022009003	2009	8/24/2009
Davis-Besse	3461988028	1988	12/17/1988
Davis-Besse	3461989003	1989	1/18/1989

Plant Name	LER	CY	Event Date
Sequoyah Unit 1	3271995010	1995	7/17/1995
Sequoyah Unit 1	3271995017	1995	12/8/1995
Sequoyah Unit 1	3271995019	1995	12/25/1995
Sequoyah Unit 1	3271996010	1996	11/16/1996
Sequoyah Unit 1	3271998001	1998	5/19/1998
Sequoyah Unit 1	3271998003	1998	11/9/1998
Sequoyah Unit 1	3272000003	2000	3/21/2000
Sequoyah Unit 1	3272000004	2000	9/25/2000
Sequoyah Unit 1	3272002004	2002	7/12/2002
Sequoyah Unit 1	3272003001	2003	8/28/2003
Sequoyah Unit 1	3272004001	2004	3/15/2004
Sequoyah Unit 1	3272005001	2005	4/9/2005
Sequoyah Unit 1	3272008001	2008	1/16/2008
Sequoyah Unit 1	3272009003	2009	3/26/2009
Sequoyah Unit 1	3272009004	2009	4/28/2009
Sequoyah Unit 1	3272009005	2009	5/6/2009
Sequoyah Unit 1	3272010002	2010	11/16/2010
Sequoyah Unit 1	3272011003	2011	6/26/2011
Sequoyah Unit 1	3272011004	2011	7/20/2011
Sequoyah Unit 1	3272011005	2011	8/18/2011
Sequoyah Unit 1	3272015001	2015	3/11/2015
Sequoyah Unit 1	3272015002	2015	7/24/2015
Sequoyah Unit 1	3272015002	2015	7/27/2015
Sequoyah Unit 1	3272015003	2015	9/14/2015
Sequoyah Unit 1	3272015004	2015	11/23/2015
Sequoyah Unit 2	3281988023	1988	5/19/1988
Sequoyah Unit 2	3281988024	1988	5/23/1988
Sequoyah Unit 2	3281988027	1988	6/6/1988
Sequoyah Unit 2	3281988028	1988	6/8/1988
Sequoyah Unit 2	3281988028	1988	6/9/1988
Sequoyah Unit 2	3281989005	1989	4/15/1989
Sequoyah Unit 2	3281989005	1989	4/16/1989
Sequoyah Unit 2	3281989005	1989	4/19/1989
Sequoyah Unit 2	3281989008	1989	7/10/1989
Sequoyah Unit 2	3281990008	1990	4/10/1990
Sequoyah Unit 2	3281990017	1990	11/23/1990
Sequoyah Unit 2	3281991006	1991	11/7/1991
Sequoyah Unit 2	3281992001	1992	2/10/1992
Sequoyah Unit 2	3281992008	1992	6/27/1992

Table A-32. (continued).

Plant Name	LER	CY	Event Date
Davis-Besse	3461990002	1990	1/26/1990
Davis-Besse	3461990016	1990	12/13/1990
Davis-Besse	3461992002	1992	3/1/1992
Davis-Besse	3461993003	1993	5/20/1993
Davis-Besse	3461993005	1993	10/8/1993
Davis-Besse	3461997010	1997	5/4/1997
Davis-Besse	3461998002	1998	4/10/1998
Davis-Besse	3461998010	1998	9/24/1998
Davis-Besse	3461998012	1998	10/18/1998
Davis-Besse	3462004002	2004	8/4/2004
Davis-Besse	3462006003	2006	9/6/2006
Davis-Besse	3462013001	2013	6/29/2013
Davis-Besse	3462015002	2015	5/9/2015
Davis-Besse	3462016001	2016	1/29/2016
Davis-Besse	3462016009	2016	9/10/2016
Diablo Canyon Unit 1	2751988002	1988	1/8/1988
Diablo Canyon Unit 1	2751988020	1988	7/10/1988
Diablo Canyon Unit 1	2751988021	1988	7/12/1988
Diablo Canyon Unit 1	2751988025	1988	8/30/1988
Diablo Canyon Unit 1	2751988026	1988	9/1/1988
Diablo Canyon Unit 1	2751989009	1989	10/6/1989
Diablo Canyon Unit 1	2751990014	1990	12/5/1990
Diablo Canyon Unit 1	2751990017	1990	12/24/1990
Diablo Canyon Unit 1	2751991002	1991	2/1/1991
Diablo Canyon Unit 1	2751991007	1991	4/23/1991
Diablo Canyon Unit 1	2751991008	1991	4/24/1991
Diablo Canyon Unit 1	2751991009	1991	5/17/1991
Diablo Canyon Unit 1	2751992002	1992	3/6/1992
Diablo Canyon Unit 1	2751992004	1992	4/25/1992
Diablo Canyon Unit 1	2751993011	1993	12/26/1993
Diablo Canyon Unit 1	2751994020	1994	12/14/1994
Diablo Canyon Unit 1	2751995009	1995	9/6/1995
Diablo Canyon Unit 1	2751995017	1995	12/13/1995
Diablo Canyon Unit 1	2751996012	1996	8/10/1996
Diablo Canyon Unit 1	2751996017	1996	11/22/1996
Diablo Canyon Unit 1	2751999006	1999	9/22/1999
Diablo Canyon Unit 1	2751999009	1999	10/28/1999
Diablo Canyon Unit 1	2752000011	2000	11/5/2000
Diablo Canyon Unit 1	2752000012	2000	11/20/2000

Plant Name	LER	CY	Event Date
Sequoyah Unit 2	3281992011	1992	8/21/1992
Sequoyah Unit 2	3281993006	1993	12/3/1993
Sequoyah Unit 2	3281995001	1995	1/5/1995
Sequoyah Unit 2	3281995002	1995	4/28/1995
Sequoyah Unit 2	3281995003	1995	5/31/1995
Sequoyah Unit 2	3281995007	1995	12/21/1995
Sequoyah Unit 2	3281996005	1996	10/11/1996
Sequoyah Unit 2	3281996006	1996	12/6/1996
Sequoyah Unit 2	3281998001	1998	8/27/1998
Sequoyah Unit 2	3281998002	1998	10/16/1998
Sequoyah Unit 2	3282000001	2000	1/18/2000
Sequoyah Unit 2	3282000004	2000	11/17/2000
Sequoyah Unit 2	3282002003	2002	5/31/2002
Sequoyah Unit 2	3282002004	2002	12/26/2002
Sequoyah Unit 2	3282003004	2003	3/10/2003
Sequoyah Unit 2	3282003005	2003	4/12/2003
Sequoyah Unit 2	3282006001	2006	3/22/2006
Sequoyah Unit 2	3282007001	2007	1/23/2007
Sequoyah Unit 2	3282007002	2007	3/13/2007
Sequoyah Unit 2	3282008001	2008	11/3/2008
Sequoyah Unit 2	3272009003	2009	3/26/2009
Sequoyah Unit 2	3282009001	2009	5/27/2009
Sequoyah Unit 2	3282009002	2009	11/26/2009
Sequoyah Unit 2	3282012001	2012	8/16/2012
Sequoyah Unit 2	3282013001	2013	2/24/2013
Sequoyah Unit 2	3282015001	2015	3/2/2015
South Texas Unit 1	4981988026	1988	3/30/1988
South Texas Unit 1	4981988045	1988	7/19/1988
South Texas Unit 1	4981988048	1988	8/16/1988
South Texas Unit 1	4981988049	1988	8/26/1988
South Texas Unit 1	4981989001	1989	1/3/1989
South Texas Unit 1	4981989015	1989	7/4/1989
South Texas Unit 1	4981990005	1990	3/29/1990
South Texas Unit 1	4981990014	1990	6/20/1990
South Texas Unit 1	4981990015	1990	6/28/1990
South Texas Unit 1	4981990016	1990	7/2/1990
South Texas Unit 1	4981990020	1990	7/16/1990
South Texas Unit 1	4981990006	1990	7/30/1990
South Texas Unit 1	4981990023	1990	9/29/1990

Table A-32. (continued).

Plant Name	LER	CY	Event Date
Diablo Canyon Unit 1	2752002004	2002	6/3/2002
Diablo Canyon Unit 2	3231988002	1988	3/3/1988
Diablo Canyon Unit 2	3231988010	1988	9/1/1988
Diablo Canyon Unit 2	3231989005	1989	4/16/1989
Diablo Canyon Unit 2	3231989007	1989	7/16/1989
Diablo Canyon Unit 2	3231989008	1989	8/28/1989
Diablo Canyon Unit 2	3231993001	1993	1/30/1993
Diablo Canyon Unit 2	2751994020	1994	12/14/1994
Diablo Canyon Unit 2	3231995002	1995	9/23/1995
Diablo Canyon Unit 2	2751996012	1996	8/10/1996
Diablo Canyon Unit 2	3231997002	1997	3/29/1997
Diablo Canyon Unit 2	3231997003	1997	7/2/1997
Diablo Canyon Unit 2	3231997005	1997	10/24/1997
Diablo Canyon Unit 2	3231998005	1998	12/1/1998
Diablo Canyon Unit 2	2751999009	1999	10/28/1999
Diablo Canyon Unit 2	3232002002	2002	2/9/2002
Diablo Canyon Unit 2	3232006004	2006	12/12/2006
Diablo Canyon Unit 2	3232008001	2008	8/16/2008
Diablo Canyon Unit 2	3232008002	2008	10/21/2008
Diablo Canyon Unit 2	3232011001	2011	3/26/2011
Diablo Canyon Unit 2	3232012002	2012	10/11/2012
Diablo Canyon Unit 2	3232013005	2013	7/10/2013
Diablo Canyon Unit 2	3232014001	2014	2/2/2014
Farley Unit 1	3481988021	1988	10/21/1988
Farley Unit 1	3481989006	1989	11/12/1989
Farley Unit 1	3481990005	1990	7/20/1990
Farley Unit 1	3481991006	1991	5/24/1991
Farley Unit 1	3481991007	1991	6/29/1991
Farley Unit 1	3481991008	1991	8/2/1991
Farley Unit 1	3481991009	1991	8/19/1991
Farley Unit 1	3481991010	1991	10/3/1991
Farley Unit 1	3481992008	1992	12/13/1992
Farley Unit 1	3481995001	1995	1/13/1995
Farley Unit 1	3481995005	1995	6/11/1995
Farley Unit 1	3481998004	1998	9/9/1998
Farley Unit 1	3481999002	1999	5/27/1999
Farley Unit 1	3482000006	2000	5/28/2000
Farley Unit 1	3482002001	2002	5/3/2002
Farley Unit 1	3482002002	2002	10/15/2002

Plant Name	LER	CY	Event Date
South Texas Unit 1	4981990025	1990	11/24/1990
South Texas Unit 1	4981991012	1991	4/12/1991
South Texas Unit 1	4981991021	1991	10/10/1991
South Texas Unit 1	4981991022	1991	10/14/1991
South Texas Unit 1	4981992003	1992	3/14/1992
South Texas Unit 1	4981994009	1994	2/28/1994
South Texas Unit 1	4981994015	1994	9/20/1994
South Texas Unit 1	4981995001	1995	1/24/1995
South Texas Unit 1	4981995009	1995	8/29/1995
South Texas Unit 1	4981995013	1995	12/18/1995
South Texas Unit 1	4981997012	1997	11/10/1997
South Texas Unit 1	4981999004	1999	5/16/1999
South Texas Unit 1	4981999006	1999	6/27/1999
South Texas Unit 1	4981999008	1999	9/12/1999
South Texas Unit 1	4982000007	2000	12/16/2000
South Texas Unit 1	4982002003	2002	11/16/2002
South Texas Unit 1	4982003002	2003	3/1/2003
South Texas Unit 1	4982004001	2004	1/23/2004
South Texas Unit 1	4982010003	2010	2/3/2010
South Texas Unit 1	4982016001	2016	1/26/2016
South Texas Unit 1	4982016002	2016	5/1/2016
South Texas Unit 2	4991989009	1989	4/5/1989
South Texas Unit 2	4991989013	1989	4/15/1989
South Texas Unit 2	4991989016	1989	6/2/1989
South Texas Unit 2	4991989017	1989	7/13/1989
South Texas Unit 2	4991989019	1989	8/23/1989
South Texas Unit 2	4991989021	1989	9/5/1989
South Texas Unit 2	4991989022	1989	9/19/1989
South Texas Unit 2	4991989023	1989	9/22/1989
South Texas Unit 2	4991989026	1989	10/13/1989
South Texas Unit 2	4991990002	1990	2/2/1990
South Texas Unit 2	4991990004	1990	3/26/1990
South Texas Unit 2	4991990005	1990	4/14/1990
South Texas Unit 2	4991990013	1990	9/17/1990
South Texas Unit 2	4991991003	1991	3/14/1991
South Texas Unit 2	4991991004	1991	3/30/1991
South Texas Unit 2	4991991007	1991	5/22/1991
South Texas Unit 2	4991991003	1991	3/14/1991
South Texas Unit 2	4991991010	1991	12/24/1991

Table A-32. (continued).

Plant Name	LER	CY	Event Date
Farley Unit 1	3482004001	2004	3/1/2004
Farley Unit 1	3482008004	2008	11/19/2008
Farley Unit 1	3482013001	2013	6/11/2013
Farley Unit 1	3482016002	2016	10/1/2016
Farley Unit 1	3482016006	2016	11/8/2016
Farley Unit 1	3482016008	2016	11/27/2016
Farley Unit 2	3641989008	1989	5/27/1989
Farley Unit 2	3641989012	1989	10/18/1989
Farley Unit 2	3641989013	1989	10/19/1989
Farley Unit 2	3641989015	1989	11/18/1989
Farley Unit 2	3641991001	1991	4/1/1991
Farley Unit 2	3641991004	1991	4/20/1991
Farley Unit 2	3641991005	1991	8/6/1991
Farley Unit 2	3641992001	1992	1/22/1992
Farley Unit 2	3641992002	1992	3/6/1992
Farley Unit 2	3641992005	1992	5/12/1992
Farley Unit 2	3641992006	1992	5/15/1992
Farley Unit 2	3641992007	1992	5/25/1992
Farley Unit 2	3641992008	1992	5/26/1992
Farley Unit 2	3641992010	1992	10/20/1992
Farley Unit 2	3641993004	1993	12/2/1993
Farley Unit 2	3641994003	1994	12/18/1994
Farley Unit 2	3641994004	1994	12/25/1994
Farley Unit 2	3641995007	1995	6/25/1995
Farley Unit 2	3641995008	1995	11/28/1995
Farley Unit 2	3642000004	2000	11/16/2000
Farley Unit 2	3642001001	2001	6/23/2001
Farley Unit 2	3642001002	2001	6/26/2001
Farley Unit 2	3642003001	2003	11/10/2003
Farley Unit 2	3642007001	2007	10/3/2007
Farley Unit 2	3642010002	2010	5/22/2010
Farley Unit 2	3642014002	2014	10/14/2014
Farley Unit 2	3642016001	2016	5/11/2016
Fort Calhoun	2851989019	1989	9/24/1989
Fort Calhoun	2851992014	1992	5/14/1992
Fort Calhoun	2851992023	1992	7/3/1992
Fort Calhoun	2851992028	1992	8/22/1992
Fort Calhoun	2851993011	1993	6/24/1993
Fort Calhoun	2851993018	1993	12/6/1993

Plant Name	LER	CY	Event Date
South Texas Unit 2	4991992001	1992	1/22/1992
South Texas Unit 2	4991992003	1992	2/24/1992
South Texas Unit 2	4991992010	1992	12/27/1992
South Texas Unit 2	4991993001	1993	1/23/1993
South Texas Unit 2	4991993004	1993	2/3/1993
South Texas Unit 2	4991994007	1994	6/25/1994
South Texas Unit 2	4991995003	1995	3/28/1995
South Texas Unit 2	4991995008	1995	11/15/1995
South Texas Unit 2	4991997004	1997	3/19/1997
South Texas Unit 2	4991997005	1997	3/26/1997
South Texas Unit 2	4991997006	1997	4/30/1997
South Texas Unit 2	4991997007	1997	11/21/1997
South Texas Unit 2	4991998002	1998	9/22/1998
South Texas Unit 2	4991999002	1999	1/21/1999
South Texas Unit 2	4992001001	2001	2/7/2001
South Texas Unit 2	4992001002	2001	3/1/2001
South Texas Unit 2	4992001004	2001	5/8/2001
South Texas Unit 2	4992002002	2002	6/14/2002
South Texas Unit 2	4992002003	2002	7/7/2002
South Texas Unit 2	4992002004	2002	12/15/2002
South Texas Unit 2	4992011002	2011	11/29/2011
South Texas Unit 2	4992013001	2013	1/4/2013
St. Lucie Unit 1	3351988003	1988	3/28/1988
St. Lucie Unit 1	3351988004	1988	6/30/1988
St. Lucie Unit 1	3351988008	1988	9/20/1988
St. Lucie Unit 1	3351989005	1989	9/13/1989
St. Lucie Unit 1	3351990007	1990	5/24/1990
St. Lucie Unit 1	3351991003	1991	5/6/1991
St. Lucie Unit 1	3351991005	1991	7/1/1991
St. Lucie Unit 1	3351991006	1991	9/18/1991
St. Lucie Unit 1	3351992006	1992	9/24/1992
St. Lucie Unit 1	3351993007	1993	9/18/1993
St. Lucie Unit 1	3351993007	1993	9/20/1993
St. Lucie Unit 1	3351993007	1993	9/22/1993
St. Lucie Unit 1	3351994001	1994	1/9/1994
St. Lucie Unit 1	3351994003	1994	3/28/1994
St. Lucie Unit 1	3351994004	1994	4/3/1994
St. Lucie Unit 1	3351994005	1994	6/6/1994
St. Lucie Unit 1	3351995003	1995	7/8/1995

Table A-32. (continued).

Plant Name	LER	CY	Event Date
Fort Calhoun	2851994001	1994	2/11/1994
Fort Calhoun	2851995003	1995	5/11/1995
Fort Calhoun	2851995003	1995	5/24/1995
Fort Calhoun	2851995005	1995	8/24/1995
Fort Calhoun	2852003003	2003	9/12/2003
Fort Calhoun	2852005001	2005	2/26/2005
Fort Calhoun	2852008001	2008	3/15/2008
Fort Calhoun	2852010006	2010	12/23/2010
Fort Calhoun	2852014003	2014	3/17/2014
Fort Calhoun	2852014007	2014	12/17/2014
Fort Calhoun	2852016003	2016	6/22/2016
Ginna	2441988003	1988	3/10/1988
Ginna	2441988005	1988	6/1/1988
Ginna	2441989004	1989	6/1/1989
Ginna	2441990007	1990	5/10/1990
Ginna	2441990010	1990	6/9/1990
Ginna	2441990012	1990	9/26/1990
Ginna	2441990013	1990	12/11/1990
Ginna	2441990016	1990	12/12/1990
Ginna	2441990019	1990	12/21/1990
Ginna	2441992002	1992	2/3/1992
Ginna	2441992003	1992	2/29/1992
Ginna	2441993006	1993	11/10/1993
Ginna	2441994007	1994	4/27/1994
Ginna	2441995008	1995	8/25/1995
Ginna	2441996002	1996	3/7/1996
Ginna	2441996012	1996	8/20/1996
Ginna	2441999007	1999	4/23/1999
Ginna	2441999008	1999	4/27/1999
Ginna	2442000005	2000	10/21/2000
Ginna	2442002001	2002	2/5/2002
Ginna	2442003002	2003	8/14/2003
Ginna	2442003005	2003	10/15/2003
Ginna	2442007001	2007	1/27/2007
Ginna	2442007002	2007	3/16/2007
Ginna	2442009002	2009	12/30/2009
Ginna	2442011003	2011	10/11/2011
Ginna	2442013002	2013	7/24/2013
Haddam Neck	2131988012	1988	4/30/1988

Plant Name	LER	CY	Event Date
St. Lucie Unit 1	3351995010	1995	11/16/1995
St. Lucie Unit 1	3351996002	1996	2/22/1996
St. Lucie Unit 1	3351996012	1996	8/31/1996
St. Lucie Unit 1	3351997003	1997	3/4/1997
St. Lucie Unit 1	3351998003	1998	1/10/1998
St. Lucie Unit 1	3351999006	1999	10/29/1999
St. Lucie Unit 1	3351999007	1999	10/30/1999
St. Lucie Unit 1	3352001007	2001	6/5/2001
St. Lucie Unit 1	3352010006	2010	6/16/2010
St. Lucie Unit 1	3352011001	2011	8/22/2011
St. Lucie Unit 1	3352011002	2011	10/19/2011
St. Lucie Unit 1	3352012003	2012	3/31/2012
St. Lucie Unit 1	3352012005	2012	6/22/2012
St. Lucie Unit 1	3352013001	2013	3/12/2013
St. Lucie Unit 1	3352013002	2013	11/12/2013
St. Lucie Unit 1	3352015001	2015	8/9/2015
St. Lucie Unit 1	3352016003	2016	8/21/2016
St. Lucie Unit 2	3891989005	1989	6/26/1989
St. Lucie Unit 2	3891989007	1989	9/23/1989
St. Lucie Unit 2	3891990001	1990	1/14/1990
St. Lucie Unit 2	3891992001	1992	4/21/1992
St. Lucie Unit 2	3891992004	1992	7/8/1992
St. Lucie Unit 2	3891992005	1992	7/10/1992
St. Lucie Unit 2	3891993007	1993	5/21/1993
St. Lucie Unit 2	3891993008	1993	11/2/1993
St. Lucie Unit 2	3891994003	1994	4/23/1994
St. Lucie Unit 2	3891995002	1995	2/21/1995
St. Lucie Unit 2	3891996001	1996	1/5/1996
St. Lucie Unit 2	3891996002	1996	6/6/1996
St. Lucie Unit 2	3891999005	1999	6/4/1999
St. Lucie Unit 2	3892001001	2001	3/14/2001
St. Lucie Unit 2	3892003001	2003	4/1/2003
St. Lucie Unit 2	3892003003	2003	6/11/2003
St. Lucie Unit 2	3892003004	2003	12/4/2003
St. Lucie Unit 2	3892003005	2003	12/20/2003
St. Lucie Unit 2	3892004004	2004	12/25/2004
St. Lucie Unit 2	3892005003	2005	8/11/2005
St. Lucie Unit 2	3892006001	2006	1/20/2006
St. Lucie Unit 2	3892006004	2006	6/15/2006

Table A-32. (continued).

Plant Name	LER	CY	Event Date
Haddam Neck	2131990018	1990	9/3/1990
Haddam Neck	2131990020	1990	9/20/1990
Haddam Neck	2131992009	1992	3/12/1992
Haddam Neck	2131993002	1993	3/23/1993
Haddam Neck	2131994009	1994	3/28/1994
Haddam Neck	2131994018	1994	7/11/1994
Haddam Neck	2131995016	1995	7/27/1995
Harris	4001988007	1988	3/9/1988
Harris	4001988032	1988	10/30/1988
Harris	4001989003	1989	2/6/1989
Harris	4001989004	1989	2/7/1989
Harris	4001989005	1989	2/22/1989
Harris	4001989006	1989	3/14/1989
Harris	4001991010	1991	6/3/1991
Harris	4001992009	1992	7/15/1992
Harris	4001995010	1995	10/12/1995
Harris	4001995011	1995	11/5/1995
Harris	4001996008	1996	4/25/1996
Harris	4001996018	1996	9/3/1996
Harris	4001997001	1997	1/31/1997
Harris	4001997016	1997	6/8/1997
Harris	4001997019	1997	7/20/1997
Harris	4001998007	1998	10/23/1998
Harris	4001999002	1999	1/14/1999
Harris	4001999004	1999	3/12/1999
Harris	4001999009	1999	12/14/1999
Harris	4002000005	2000	6/20/2000
Harris	4002002001	2002	1/2/2002
Harris	4002002002	2002	7/13/2002
Harris	4002002003	2002	8/15/2002
Harris	4002003001	2003	5/18/2003
Harris	4002003003	2003	6/14/2003
Harris	4002003005	2003	8/17/2003
Harris	4002004003	2004	5/6/2004
Harris	4002005002	2005	5/1/2005
Harris	4002006003	2006	9/19/2006
Harris	4002007003	2007	9/28/2007
Harris	4002008002	2008	8/11/2008
Harris	4002010002	2009	11/15/2009
St. Lucie Unit 2	3892008002	2008	6/4/2008
St. Lucie Unit 2	3892008003	2008	6/7/2008
St. Lucie Unit 2	3892009002	2009	4/1/2009
St. Lucie Unit 2	3892010002	2010	4/15/2010
St. Lucie Unit 2	3892011002	2011	6/6/2011
St. Lucie Unit 2	3892012001	2012	5/11/2012
St. Lucie Unit 2	3892013001	2013	5/31/2013
St. Lucie Unit 2	3892013004	2013	11/14/2013
St. Lucie Unit 2	3892014002	2014	11/12/2014
St. Lucie Unit 2	3892017004	2017	10/26/2017
Summer	3951988002	1988	2/16/1988
Summer	3951988006	1988	5/12/1988
Summer	3951988007	1988	6/1/1988
Summer	3951988009	1988	7/26/1988
Summer	3951989006	1989	4/1/1989
Summer	3951989011	1989	5/28/1989
Summer	3951989012	1989	7/11/1989
Summer	3951989015	1989	8/25/1989
Summer	3951989020	1989	12/2/1989
Summer	3951992003	1992	5/20/1992
Summer	3951992004	1992	5/21/1992
Summer	3951993001	1993	1/12/1993
Summer	3951997001	1997	4/22/1997
Summer	3951997002	1997	4/26/1997
Summer	3951999008	1999	5/18/1999
Summer	3951999009	1999	6/4/1999
Summer	3952002003	2002	6/1/2002
Summer	3952002004	2002	6/17/2002
Summer	3952003002	2003	5/12/2003
Summer	3952004001	2004	3/30/2004
Summer	3952007001	2007	2/5/2007
Summer	3952008001	2008	1/24/2008
Summer	3952009002	2009	10/2/2009
Summer	3952009004	2009	12/16/2009
Summer	3952017002	2017	6/29/2017
Summer	3952017003	2017	8/28/2017
Summer	3952017005	2017	11/7/2017
Surry Unit 1	2801988003	1988	2/16/1988
Surry Unit 1	2801988029	1988	8/15/1988

Table A-32. (continued).

Plant Name	LER	CY	Event Date
Harris	4002014001	2014	1/18/2014
Indian Point Unit 2	2471988002	1988	1/25/1988
Indian Point Unit 2	2471988006	1988	6/17/1988
Indian Point Unit 2	2471988018	1988	11/22/1988
Indian Point Unit 2	2471988019	1988	11/26/1988
Indian Point Unit 2	2471989013	1989	12/13/1989
Indian Point Unit 2	2471991001	1991	1/7/1991
Indian Point Unit 2	2471991013	1991	7/25/1991
Indian Point Unit 2	2471992002	1992	1/27/1992
Indian Point Unit 2	2471992007	1992	4/13/1992
Indian Point Unit 2	2471992018	1992	9/26/1992
Indian Point Unit 2	2471995001	1995	1/17/1995
Indian Point Unit 2	2471995016	1995	6/12/1995
Indian Point Unit 2	2471996003	1996	3/5/1996
Indian Point Unit 2	2471996012	1996	5/23/1996
Indian Point Unit 2	2471996015	1996	8/19/1996
Indian Point Unit 2	2471996016	1996	8/22/1996
Indian Point Unit 2	2471997002	1997	1/26/1997
Indian Point Unit 2	2471997018	1997	7/26/1997
Indian Point Unit 2	2471997021	1997	8/23/1997
Indian Point Unit 2	2471999015	1999	8/31/1999
Indian Point Unit 2	2472001007	2001	12/26/2001
Indian Point Unit 2	2472003003	2003	4/28/2003
Indian Point Unit 2	2472003004	2003	8/3/2003
Indian Point Unit 2	2472004001	2004	9/1/2004
Indian Point Unit 2	2472004002	2004	9/24/2004
Indian Point Unit 2	2472004005	2004	11/26/2004
Indian Point Unit 2	2472006001	2006	3/1/2006
Indian Point Unit 2	2472006003	2006	8/23/2006
Indian Point Unit 2	2472006005	2006	11/15/2006
Indian Point Unit 2	2472007004	2007	2/28/2007
Indian Point Unit 2	2472008001	2008	3/23/2008
Indian Point Unit 2	2472008003	2008	4/21/2008
Indian Point Unit 2	2472009002	2009	4/3/2009
Indian Point Unit 2	2472009005	2009	11/2/2009
Indian Point Unit 2	2472010001	2010	1/11/2010
Indian Point Unit 2	2472010007	2010	9/3/2010
Indian Point Unit 2	2472010009	2010	11/7/2010
Indian Point Unit 2	2472012006	2012	6/6/2012

Plant Name	LER	CY	Event Date
Surry Unit 1	2801989026	1989	7/9/1989
Surry Unit 1	2801989044	1989	12/21/1989
Surry Unit 1	2801990004	1990	5/22/1990
Surry Unit 1	2801992001	1992	1/2/1992
Surry Unit 1	2801992007	1992	5/7/1992
Surry Unit 1	2801993001	1993	1/8/1993
Surry Unit 1	2801993002	1993	2/9/1993
Surry Unit 1	2801994006	1994	5/11/1994
Surry Unit 1	2801995001	1995	1/8/1995
Surry Unit 1	2801995003	1995	4/12/1995
Surry Unit 1	2801997003	1997	2/19/1997
Surry Unit 1	2801998002	1998	2/2/1998
Surry Unit 1	2801998013	1998	11/22/1998
Surry Unit 1	2801998014	1998	11/26/1998
Surry Unit 1	2802000004	2000	10/24/2000
Surry Unit 1	2802003001	2003	1/14/2003
Surry Unit 1	2802003002	2003	1/25/2003
Surry Unit 1	2802003004	2003	9/18/2003
Surry Unit 1	2802008001	2008	4/20/2008
Surry Unit 1	2802015003	2015	10/13/2015
Surry Unit 2	2811988004	1988	3/27/1988
Surry Unit 2	2811988010	1988	5/16/1988
Surry Unit 2	2811988022	1988	9/10/1988
Surry Unit 2	2811989009	1989	9/18/1989
Surry Unit 2	2811989010	1989	9/19/1989
Surry Unit 2	2801990004	1990	5/22/1990
Surry Unit 2	2811990003	1990	5/31/1990
Surry Unit 2	2811990004	1990	8/27/1990
Surry Unit 2	2811991007	1991	8/2/1991
Surry Unit 2	2811991011	1991	12/17/1991
Surry Unit 2	2811993002	1993	6/20/1993
Surry Unit 2	2811993003	1993	8/3/1993
Surry Unit 2	2811993004	1993	8/23/1993
Surry Unit 2	2811993005	1993	8/27/1993
Surry Unit 2	2811995004	1995	5/11/1995
South Texas Unit 1	4981988049	1988	8/26/1988
Surry Unit 2	2811995005	1995	5/21/1995
Surry Unit 2	2811995006	1995	6/14/1995
Surry Unit 2	2811995007	1995	11/7/1995

Table A-32. (continued).

Plant Name	LER	CY	Event Date
Indian Point Unit 2	2472013001	2013	2/13/2013
Indian Point Unit 2	2472015003	2015	12/5/2015
Indian Point Unit 2	2472016009	2016	7/6/2016
Indian Point Unit 2	2472017001	2017	6/26/2017
Indian Point Unit 3	2861988002	1988	3/31/1988
Indian Point Unit 3	2861988005	1988	6/12/1988
Indian Point Unit 3	2861988006	1988	10/9/1988
Indian Point Unit 3	2861989015	1989	10/19/1989
Indian Point Unit 3	2861990004	1990	6/29/1990
Indian Point Unit 3	2861991003	1990	12/27/1990
Indian Point Unit 3	2861991004	1991	3/20/1991
Indian Point Unit 3	2861991005	1991	3/22/1991
Indian Point Unit 3	2861992013	1992	9/3/1992
Indian Point Unit 3	2861992015	1992	9/15/1992
Indian Point Unit 3	2861995012	1995	6/29/1995
Indian Point Unit 3	2861995018	1995	9/14/1995
Indian Point Unit 3	2861996009	1996	4/2/1996
Indian Point Unit 3	2861997005	1997	5/14/1997
Indian Point Unit 3	2861997024	1997	9/10/1997
Indian Point Unit 3	2861997025	1997	9/15/1997
Indian Point Unit 3	2861998006	1998	8/30/1998
Indian Point Unit 3	2861999003	1999	3/9/1999
Indian Point Unit 3	2862000007	2000	6/4/2000
Indian Point Unit 3	2862000008	2000	6/9/2000
Indian Point Unit 3	2862002003	2002	11/15/2002
Indian Point Unit 3	2862003001	2003	1/13/2003
Indian Point Unit 3	2862003003	2003	6/22/2003
Indian Point Unit 3	2862005002	2005	5/6/2005
Indian Point Unit 3	2862005004	2005	6/10/2005
Indian Point Unit 3	2862006001	2006	7/6/2006
Indian Point Unit 3	2862006002	2006	7/21/2006
Indian Point Unit 3	2862007002	2007	4/6/2007
Indian Point Unit 3	2862009003	2009	5/15/2009
Indian Point Unit 3	2862009004	2009	5/28/2009
Indian Point Unit 3	2862009006	2009	8/10/2009
Indian Point Unit 3	2862009007	2009	8/27/2009
Indian Point Unit 3	2862010002	2010	9/9/2010
Indian Point Unit 3	2862012004	2012	10/29/2012
Indian Point Unit 3	2862014001	2014	1/6/2014

Plant Name	LER	CY	Event Date
Surry Unit 2	2811996004	1996	6/6/1996
Surry Unit 2	2811996005	1996	8/3/1996
Surry Unit 2	2811996006	1996	12/13/1996
Surry Unit 2	2811997001	1997	2/18/1997
Surry Unit 2	2811997004	1997	12/2/1997
Surry Unit 2	2811999003	1999	7/5/1999
Surry Unit 2	2812002003	2002	11/23/2002
Surry Unit 2	2812003001	2003	1/25/2003
Surry Unit 2	2802003004	2003	9/18/2003
Surry Unit 2	2812004001	2004	5/21/2004
Surry Unit 2	2812006002	2006	10/7/2006
Surry Unit 2	2812011001	2011	2/2/2011
Surry Unit 2	2812014002	2014	10/13/2014
Surry Unit 2	2812015001	2015	7/21/2015
Surry Unit 2	2812016001	2016	10/9/2016
Three Mile Isl Unit 1	2891988006	1988	10/30/1988
Three Mile Isl Unit 1	2891989003	1989	11/29/1989
Three Mile Isl Unit 1	2891991002	1991	7/24/1991
Three Mile Isl Unit 1	2891991003	1991	9/27/1991
Three Mile Isl Unit 1	2891992002	1992	9/18/1992
Three Mile Isl Unit 1	2891993003	1993	3/12/1993
Three Mile Isl Unit 1	2892006002	2006	11/2/2006
Three Mile Isl Unit 1	2892006003	2006	12/13/2006
Three Mile Isl Unit 1	2892012004	2012	8/22/2012
Three Mile Isl Unit 1	2892012005	2012	9/20/2012
Trojan	3441988001	1988	1/8/1988
Trojan	3441988026	1988	8/16/1988
Trojan	3441988028	1988	9/16/1988
Trojan	3441988043	1988	11/13/1988
Trojan	3441989006	1989	4/6/1989
Trojan	3441989017	1989	8/9/1989
Trojan	3441990034	1990	8/9/1990
Trojan	3441991004	1991	2/12/1991
Trojan	3441992014	1992	6/5/1992
Trojan	3441992020	1992	7/22/1992
Trojan	3441992027	1992	9/12/1992
Trojan	3441992028	1992	9/13/1992
Turkey Point Unit 3	2501989020	1989	12/23/1989
Turkey Point Unit 3	2501990011	1990	6/9/1990

Table A-32. (continued)..

Plant Name	LER	CY	Event Date
Indian Point Unit 3	2862015007	2015	7/8/2015
Indian Point Unit 3	2862015008	2015	12/14/2015
Indian Point Unit 3	2862017004	2017	11/3/2017
Kewaunee	3051988004	1988	4/12/1988
Kewaunee	3051988006	1988	5/2/1988
Kewaunee	3051989016	1989	12/27/1989
Kewaunee	3051992020	1992	11/1/1992
Kewaunee	3051993001	1993	1/28/1993
Kewaunee	3051993001	1993	1/29/1993
Kewaunee	3051995003	1995	5/16/1995
Kewaunee	3051995005	1995	9/5/1995
Kewaunee	3051996002	1996	3/31/1996
Kewaunee	3051996003	1996	4/2/1996
Kewaunee	3051998005	1998	2/24/1998
Kewaunee	3052000009	2000	6/6/2000
Kewaunee	3052001004	2001	6/20/2001
Kewaunee	3052005016	2005	11/28/2005
Kewaunee	3052006012	2006	10/30/2006
Kewaunee	3052006013	2006	11/10/2006
Kewaunee	3052007001	2007	1/12/2007
Kewaunee	3052007004	2007	2/27/2007
Maine Yankee	3091988001	1988	1/5/1988
Maine Yankee	3091988010	1988	12/16/1988
Maine Yankee	3091989001	1989	1/10/1989
Maine Yankee	3091989003	1989	4/5/1989
Maine Yankee	3091991005	1991	4/29/1991
Maine Yankee	3091991010	1991	10/5/1991
Maine Yankee	3091991012	1991	11/22/1991
Maine Yankee	3091992001	1992	2/8/1992
Maine Yankee	3091994008	1994	5/18/1994
Maine Yankee	3091994011	1994	7/16/1994
Maine Yankee	3091995001	1995	1/14/1995
Maine Yankee	3091996003	1996	2/13/1996
Maine Yankee	3091996031	1996	10/9/1996
Maine Yankee	3091988001	1988	1/5/1988
Maine Yankee	3091988010	1988	12/16/1988
Maine Yankee	3091989001	1989	1/10/1989
Maine Yankee	3091989003	1989	4/5/1989
Maine Yankee	3091991005	1991	4/29/1991

Plant Name	LER	CY	Event Date
Turkey Point Unit 3	2501990013	1990	6/15/1990
Turkey Point Unit 3	2501991008	1991	10/3/1991
Turkey Point Unit 3	2501994006	1994	12/26/1994
Turkey Point Unit 3	2501995007	1995	10/17/1995
Turkey Point Unit 3	2501996002	1996	2/9/1996
Turkey Point Unit 3	2501996006	1996	3/27/1996
Turkey Point Unit 3	2501997006	1997	7/22/1997
Turkey Point Unit 3	2501997007	1997	7/30/1997
Turkey Point Unit 3	2501998001	1998	2/16/1998
Turkey Point Unit 3	2501998004	1998	9/21/1998
Turkey Point Unit 3	2501999001	1999	6/23/1999
Turkey Point Unit 3	2502001003	2001	8/15/2001
Turkey Point Unit 3	2502003008	2003	5/20/2003
Turkey Point Unit 3	2502004006	2004	12/14/2004
Turkey Point Unit 3	2502004007	2004	12/28/2004
Turkey Point Unit 3	2502005005	2005	10/15/2005
Turkey Point Unit 3	2502008001	2008	2/26/2008
Turkey Point Unit 3	2502010003	2010	9/23/2010
Turkey Point Unit 3	2502010006	2010	11/15/2010
Turkey Point Unit 3	2502011001	2011	3/6/2011
Turkey Point Unit 3	2502013003	2013	2/18/2013
Turkey Point Unit 3	2502013005	2013	3/12/2013
Turkey Point Unit 3	2502013007	2013	5/10/2013
Turkey Point Unit 4	2511988010	1988	8/19/1988
Turkey Point Unit 4	2511989011	1989	9/15/1989
Turkey Point Unit 4	2511990003	1990	4/9/1990
Turkey Point Unit 4	2511990004	1990	5/26/1990
Turkey Point Unit 4	2511990008	1990	8/12/1990
Turkey Point Unit 4	2511992004	1992	3/26/1992
Turkey Point Unit 4	2511993002	1993	6/22/1993
Turkey Point Unit 4	2511993003	1993	8/16/1993
Turkey Point Unit 4	2511994004	1994	9/23/1994
Turkey Point Unit 4	2511994006	1994	11/30/1994
Turkey Point Unit 4	2511996001	1996	4/9/1996
Turkey Point Unit 4	2511997002	1997	4/23/1997
Turkey Point Unit 4	2512000001	2000	1/24/2000
Turkey Point Unit 4	2512001001	2001	1/25/2001
Turkey Point Unit 4	2512004002	2004	5/14/2004
Turkey Point Unit 4	2512004004	2004	12/25/2004

Table A-32. (continued).

Plant Name	LER	CY	Event Date
Maine Yankee	3091991010	1991	10/5/1991
Maine Yankee	3091991012	1991	11/22/1991
Maine Yankee	3091992001	1992	2/8/1992
Maine Yankee	3091994008	1994	5/18/1994
Maine Yankee	3091994011	1994	7/16/1994
Maine Yankee	3091995001	1995	1/14/1995
Maine Yankee	3091996003	1996	2/13/1996
Maine Yankee	3091996031	1996	10/9/1996
McGuire Unit 1	3691988001	1988	1/7/1988
McGuire Unit 1	3691988005	1988	3/23/1988
McGuire Unit 1	3691988007	1988	4/16/1988
McGuire Unit 1	3691988013	1988	6/20/1988
McGuire Unit 1	3691989022	1989	8/26/1989
McGuire Unit 1	3691990027	1990	10/13/1990
McGuire Unit 1	3691990032	1990	11/17/1990
McGuire Unit 1	3691991004	1991	2/19/1991
McGuire Unit 1	3691992009	1992	6/25/1992
McGuire Unit 1	3691992008	1992	7/26/1992
McGuire Unit 1	3691993009	1993	11/6/1993
McGuire Unit 1	3691994004	1994	5/12/1994
McGuire Unit 1	3691995001	1995	1/29/1995
McGuire Unit 1	3691995005	1995	9/27/1995
McGuire Unit 1	3691995006	1995	10/1/1995
McGuire Unit 1	3691996001	1996	2/3/1996
McGuire Unit 1	3691997009	1997	9/6/1997
McGuire Unit 1	3691998002	1998	2/9/1998
McGuire Unit 1	3692000004	2000	5/25/2000
McGuire Unit 1	3692002001	2002	3/4/2002
McGuire Unit 1	3692005006	2005	12/17/2005
McGuire Unit 1	3692008002	2008	6/26/2008
McGuire Unit 1	3692010003	2010	6/12/2010
McGuire Unit 1	3692011002	2011	1/20/2011
McGuire Unit 1	3692013001	2013	2/21/2013
McGuire Unit 1	3692013003	2013	11/14/2013
McGuire Unit 2	3701988001	1988	1/12/1988
McGuire Unit 2	3701988008	1988	7/31/1988
McGuire Unit 2	3701989001	1989	3/3/1989
McGuire Unit 2	3701989002	1989	3/14/1989
McGuire Unit 2	3701989003	1989	4/6/1989

Plant Name	LER	CY	Event Date
Turkey Point Unit 4	2512005001	2005	3/22/2005
Turkey Point Unit 4	2512005002	2005	6/27/2005
Turkey Point Unit 4	2502008001	2008	2/26/2008
Turkey Point Unit 4	2512008001	2008	2/29/2008
Turkey Point Unit 4	2512010002	2010	1/11/2010
Turkey Point Unit 4	2512010004	2010	9/8/2010
Turkey Point Unit 4	2512010006	2010	9/21/2010
Turkey Point Unit 4	2512010008	2010	12/9/2010
Turkey Point Unit 4	2512014002	2014	5/25/2014
Turkey Point Unit 4	2512015002	2015	5/12/2015
Turkey Point Unit 4	2512017001	2017	9/10/2017
Vogtle Unit 1	4241988001	1988	1/17/1988
Vogtle Unit 1	4241988006	1988	2/15/1988
Vogtle Unit 1	4241988008	1988	4/7/1988
Vogtle Unit 1	4241988013	1988	4/24/1988
Vogtle Unit 1	4241988022	1988	7/14/1988
Vogtle Unit 1	4241988024	1988	7/30/1988
Vogtle Unit 1	4241988025	1988	7/31/1988
Vogtle Unit 1	4241988044	1988	12/17/1988
Vogtle Unit 1	4241989005	1989	2/10/1989
Vogtle Unit 1	4241989012	1989	5/9/1989
Vogtle Unit 1	4241989016	1989	7/8/1989
Vogtle Unit 1	4241989016	1989	8/3/1989
Vogtle Unit 1	4241989018	1989	10/2/1989
Vogtle Unit 1	4241990001	1990	1/24/1990
Vogtle Unit 1	4241990011	1990	4/25/1990
Vogtle Unit 1	4241990016	1990	7/23/1990
Vogtle Unit 1	4241990023	1990	12/18/1990
Vogtle Unit 1	4241992008	1992	9/14/1992
Vogtle Unit 1	4241993008	1993	5/3/1993
Vogtle Unit 1	4241993009	1993	7/28/1993
Vogtle Unit 1	4241994001	1994	2/2/1994
Vogtle Unit 1	4241995002	1995	7/23/1995
Vogtle Unit 1	4241996006	1996	5/25/1996
Vogtle Unit 1	4241996012	1996	11/27/1996
Vogtle Unit 1	4242000004	2000	12/9/2000
Vogtle Unit 1	4242001001	2001	8/24/2001
Vogtle Unit 1	4242004001	2004	3/27/2004
Vogtle Unit 1	4242005001	2005	1/11/2005

Table A-32. (continued).

Plant Name	LER	CY	Event Date
McGuire Unit 2	3701991007	1991	7/14/1991
McGuire Unit 2	3701991010	1991	9/25/1991
McGuire Unit 2	3701991012	1991	11/8/1991
McGuire Unit 2	3701992004	1992	3/21/1992
McGuire Unit 2	3701992006	1992	4/9/1992
McGuire Unit 2	3701992007	1992	5/20/1992
McGuire Unit 2	3701992009	1992	8/5/1992
McGuire Unit 2	3701992010	1992	8/24/1992
McGuire Unit 2	3701993001	1993	2/22/1993
McGuire Unit 2	3701993002	1993	3/9/1993
McGuire Unit 2	3701993008	1993	12/27/1993
McGuire Unit 2	3701996003	1996	5/22/1996
McGuire Unit 2	3701997002	1997	7/11/1997
McGuire Unit 2	3691997009	1997	9/6/1997
McGuire Unit 2	3701998001	1998	2/22/1998
McGuire Unit 2	3701999004	1999	7/15/1999
McGuire Unit 2	3702000002	2000	11/15/2000
McGuire Unit 2	3702002002	2002	8/22/2002
Millstone Unit 2	3361990006	1990	5/8/1990
Millstone Unit 2	3361990012	1990	8/27/1990
Millstone Unit 2	3361991001	1991	1/10/1991
Millstone Unit 2	3361993004	1993	2/22/1993
Millstone Unit 2	3361993004	1993	2/23/1993
Millstone Unit 2	3361993012	1993	5/24/1993
Millstone Unit 2	3361993013	1993	6/3/1993
Millstone Unit 2	3361993019	1993	8/12/1993
Millstone Unit 2	3361994009	1994	4/23/1994
Millstone Unit 2	3361999009	1999	5/25/1999
Millstone Unit 2	3362000001	2000	1/27/2000
Millstone Unit 2	3362000003	2000	2/11/2000
Millstone Unit 2	3362000010	2000	6/4/2000
Millstone Unit 2	3362001003	2001	4/29/2001
Millstone Unit 2	3362001004	2001	5/7/2001
Millstone Unit 2	3362002002	2002	4/19/2002
Millstone Unit 2	3362002005	2002	8/7/2002
Millstone Unit 2	3362003002	2003	3/7/2003
Millstone Unit 2	3362003006	2003	11/27/2003
Millstone Unit 2	3362003006	2003	11/28/2003
Millstone Unit 2	3362004001	2004	3/6/2004

Plant Name	LER	CY	Event Date
Vogtle Unit 1	4242005003	2005	4/29/2005
Vogtle Unit 1	4242005004	2005	10/17/2005
Vogtle Unit 1	4242006001	2006	4/17/2006
Vogtle Unit 1	4242009002	2009	12/7/2009
Vogtle Unit 1	4242011001	2011	4/20/2011
Vogtle Unit 1	4242011002	2011	8/31/2011
Vogtle Unit 1	4242012002	2012	4/14/2012
Vogtle Unit 1	4242014002	2014	4/12/2014
Vogtle Unit 1	4242014004	2014	7/27/2014
Vogtle Unit 1	4242017001	2017	2/3/2017
Vogtle Unit 2	4251989019	1989	5/2/1989
Vogtle Unit 2	4251989020	1989	5/12/1989
Vogtle Unit 2	4251989021	1989	5/22/1989
Vogtle Unit 2	4251989024	1989	7/26/1989
Vogtle Unit 2	4251989027	1989	10/11/1989
Vogtle Unit 2	4251989029	1989	11/5/1989
Vogtle Unit 2	4251989031	1989	12/2/1989
Vogtle Unit 2	4251990002	1990	3/20/1990
Vogtle Unit 2	4251990007	1990	5/6/1990
Vogtle Unit 2	4251990008	1990	6/28/1990
Vogtle Unit 2	4251990009	1990	6/30/1990
Vogtle Unit 2	4251991005	1991	2/18/1991
Vogtle Unit 2	4251991006	1991	2/23/1991
Vogtle Unit 2	4251991007	1991	5/7/1991
Vogtle Unit 2	4251992002	1992	3/9/1992
Vogtle Unit 2	4251992010	1992	5/14/1992
Vogtle Unit 2	4251993004	1993	6/28/1993
Vogtle Unit 2	4251993006	1993	9/8/1993
Vogtle Unit 2	4251994001	1994	1/7/1994
Vogtle Unit 2	4251994002	1994	1/19/1994
Vogtle Unit 2	4241995002	1995	7/23/1995
Vogtle Unit 2	4251996006	1996	10/14/1996
Vogtle Unit 2	4251998003	1998	5/9/1998
Vogtle Unit 2	4251998005	1998	6/9/1998
Vogtle Unit 2	4251998007	1998	8/24/1998
Vogtle Unit 1	4241996012	1996	11/27/1996
Vogtle Unit 1	4242000002	2000	6/5/2000
Vogtle Unit 1	4242000004	2000	12/9/2000
Vogtle Unit 1	4242001001	2001	8/24/2001

Table A-32. (continued).

Plant Name	LER	CY	Event Date
Millstone Unit 2	3362004002	2004	3/15/2004
Millstone Unit 2	3362008003	2008	5/22/2008
Millstone Unit 2	3362009001	2009	7/3/2009
Millstone Unit 2	3362010001	2010	2/26/2010
Millstone Unit 2	3362010002	2010	5/22/2010
Millstone Unit 2	3362010003	2010	11/28/2010
Millstone Unit 2	3362011002	2011	6/20/2011
Millstone Unit 2	3362013004	2013	11/9/2013
Millstone Unit 2	3362015003	2015	11/8/2015
Millstone Unit 2	3362016002	2016	8/11/2016
Millstone Unit 3	4231988009	1988	2/10/1988
Millstone Unit 3	4231988014	1988	4/13/1988
Millstone Unit 3	4231988023	1988	10/6/1988
Millstone Unit 3	4231988024	1988	10/22/1988
Millstone Unit 3	4231988028	1988	12/29/1988
Millstone Unit 3	4231989008	1989	5/6/1989
Millstone Unit 3	4231989009	1989	5/11/1989
Millstone Unit 3	4231990005	1990	1/18/1990
Millstone Unit 3	4231990009	1990	3/9/1990
Millstone Unit 3	4231990011	1990	3/30/1990
Millstone Unit 3	4231990013	1990	4/16/1990
Millstone Unit 3	4231990014	1990	5/10/1990
Millstone Unit 3	4231990019	1990	6/6/1990
Millstone Unit 3	4231991014	1991	6/9/1991
Millstone Unit 3	4231992011	1992	4/5/1992
Millstone Unit 3	4231992027	1992	11/5/1992
Millstone Unit 3	4231992029	1992	11/20/1992
Millstone Unit 3	4231993004	1993	3/31/1993
Millstone Unit 3	4231994011	1994	9/8/1994
Millstone Unit 3	4231998038	1998	9/15/1998
Millstone Unit 3	4231998043	1998	10/28/1998
Millstone Unit 3	4231998044	1998	11/11/1998
Millstone Unit 3	4231998045	1998	12/11/1998
Millstone Unit 3	4232003001	2002	12/23/2002
Millstone Unit 3	4232005002	2005	4/17/2005
Millstone Unit 3	4232005005	2005	12/1/2005
Millstone Unit 3	4232008003	2008	10/11/2008
Millstone Unit 3	4232009002	2009	12/19/2009
Millstone Unit 3	4232010002	2010	5/17/2010

Plant Name	LER	CY	Event Date
Vogtle Unit 1	4242004001	2004	3/27/2004
Vogtle Unit 1	4242005001	2005	1/11/2005
Vogtle Unit 1	4242005003	2005	4/29/2005
Vogtle Unit 1	4242005004	2005	10/17/2005
Vogtle Unit 1	4242006001	2006	4/17/2006
Vogtle Unit 1	4242009002	2009	12/7/2009
Vogtle Unit 1	4242011001	2011	4/20/2011
Vogtle Unit 1	4242011002	2011	8/31/2011
Vogtle Unit 1	4242012002	2012	4/14/2012
Vogtle Unit 1	4242014002	2014	4/12/2014
Vogtle Unit 1	4242014004	2014	7/27/2014
Vogtle Unit 2	4251989019	1989	5/2/1989
Vogtle Unit 2	4251989020	1989	5/12/1989
Vogtle Unit 2	4251989021	1989	5/22/1989
Vogtle Unit 2	4251989024	1989	7/26/1989
Vogtle Unit 2	4251989027	1989	10/11/1989
Vogtle Unit 2	4251989029	1989	11/5/1989
Vogtle Unit 2	4251989031	1989	12/2/1989
Vogtle Unit 2	4251990002	1990	3/20/1990
Vogtle Unit 2	4251990007	1990	5/6/1990
Vogtle Unit 2	4251990008	1990	6/28/1990
Vogtle Unit 2	4251990009	1990	6/30/1990
Vogtle Unit 2	4251991005	1991	2/18/1991
Vogtle Unit 2	4251991006	1991	2/23/1991
Vogtle Unit 2	4251991007	1991	5/7/1991
Vogtle Unit 2	4251992002	1992	3/9/1992
Vogtle Unit 2	4251992010	1992	5/14/1992
Vogtle Unit 2	4251993004	1993	6/28/1993
Vogtle Unit 2	4251993006	1993	9/8/1993
Vogtle Unit 2	4251994001	1994	1/7/1994
Vogtle Unit 2	4251994002	1994	1/19/1994
Vogtle Unit 2	4241995002	1995	7/23/1995
Vogtle Unit 2	4251996006	1996	10/14/1996
Vogtle Unit 2	4251998003	1998	5/9/1998
Vogtle Unit 2	4251998005	1998	6/9/1998
Vogtle Unit 2	4251999001	1999	3/21/1999
Vogtle Unit 2	4252002002	2002	11/13/2002
Vogtle Unit 2	4252004004	2004	11/20/2004
Vogtle Unit 2	4252006003	2006	8/27/2006

Table A-32. (continued).

Plant Name	LER	CY	Event Date
Millstone Unit 3	4232016001	2016	1/25/2016
Millstone Unit 3	4232016004	2016	5/15/2016
Millstone Unit 3	4232016005	2016	6/12/2016
North Anna Unit 1	3381988005	1988	1/13/1988
North Anna Unit 1	3381988013	1988	3/19/1988
North Anna Unit 1	3381988020	1988	8/6/1988
North Anna Unit 1	3381989005	1989	2/25/1989
North Anna Unit 1	3381989014	1989	7/19/1989
North Anna Unit 1	3381989017	1989	12/5/1989
North Anna Unit 1	3381990001	1990	1/23/1990
North Anna Unit 1	3381991017	1991	8/8/1991
North Anna Unit 1	3381995001	1995	1/27/1995
North Anna Unit 1	3381996005	1996	8/27/1996
North Anna Unit 1	3381996010	1996	10/24/1996
North Anna Unit 1	3382000004	2000	5/7/2000
North Anna Unit 1	3382003003	2003	4/19/2003
North Anna Unit 1	3382003004	2003	6/11/2003
North Anna Unit 1	3382007001	2007	1/3/2007
North Anna Unit 1	3382011003	2011	8/23/2011
North Anna Unit 1	3382013002	2013	10/11/2013
North Anna Unit 1	3382015001	2015	2/26/2015
North Anna Unit 1	3382015002	2015	4/2/2015
North Anna Unit 2	3391990010	1990	11/2/1990
North Anna Unit 2	3391991009	1991	9/20/1991
North Anna Unit 2	3391992001	1992	1/29/1992
North Anna Unit 2	3391992007	1992	8/6/1992
North Anna Unit 2	3391993002	1993	4/16/1993
North Anna Unit 2	3391993003	1993	4/24/1993
North Anna Unit 2	3391994003	1994	1/22/1994
North Anna Unit 2	3391995004	1995	11/11/1995
North Anna Unit 2	3391996003	1996	11/12/1996
North Anna Unit 2	3391998004	1998	9/17/1998
North Anna Unit 2	3391999004	1999	12/2/1999
North Anna Unit 2	3392000001	2000	4/3/2000
North Anna Unit 2	3392000002	2000	4/4/2000
North Anna Unit 2	3392001005	2001	12/22/2001
North Anna Unit 2	3392003001	2003	3/31/2003
North Anna Unit 2	3392004004	2004	6/10/2004
North Anna Unit 2	3392005001	2005	8/5/2005

Plant Name	LER	CY	Event Date
Vogtle Unit 2	4252007002	2007	4/23/2007
Vogtle Unit 2	4252013001	2013	2/26/2013
Vogtle Unit 2	4252013002	2013	10/19/2013
Vogtle Unit 2	4252013003	2013	10/22/2013
Vogtle Unit 2	4252014001	2014	4/8/2014
Vogtle Unit 2	4252014003	2014	10/12/2014
Vogtle Unit 2	4252015001	2015	3/14/2015
Vogtle Unit 2	4252016002	2016	5/25/2016
Waterford Unit 3	3821988001	1988	1/1/1988
Waterford Unit 3	3821988002	1988	1/26/1988
Waterford Unit 3	3821988033	1988	12/8/1988
Waterford Unit 3	3821989013	1989	7/15/1989
Waterford Unit 3	3821989017	1989	8/19/1989
Waterford Unit 3	3821989024	1989	12/23/1989
Waterford Unit 3	3821990002	1990	3/22/1990
Waterford Unit 3	3821990003	1990	3/29/1990
Waterford Unit 3	3821991011	1991	5/28/1991
Waterford Unit 3	3821991013	1991	6/24/1991
Waterford Unit 3	3821991019	1991	8/25/1991
Waterford Unit 3	3821991022	1991	11/17/1991
Waterford Unit 3	3821993001	1993	3/4/1993
Waterford Unit 3	3821993002	1993	6/15/1993
Waterford Unit 3	3821994007	1994	4/26/1994
Waterford Unit 3	3821996006	1996	5/17/1996
Waterford Unit 3	3821998014	1998	7/16/1998
Waterford Unit 3	3821999006	1999	6/14/1999
Waterford Unit 3	3821999011	1999	8/1/1999
Waterford Unit 3	3821999014	1999	9/10/1999
Waterford Unit 3	3822001003	2001	2/13/2001
Waterford Unit 3	3822009005	2009	10/19/2009
Waterford Unit 3	3822013001	2013	1/21/2013
Waterford Unit 3	3822015005	2015	6/3/2015
Waterford Unit 3	3822015008	2015	10/3/2015
Watts Bar Unit 1	3901996004	1996	2/19/1996
Watts Bar Unit 1	3901996009	1996	3/13/1996
Watts Bar Unit 1	3901996014	1996	4/16/1996
Watts Bar Unit 1	3901997006	1997	3/6/1997
Watts Bar Unit 1	3901997010	1997	4/20/1997
Watts Bar Unit 1	3901997015	1997	10/19/1997

Table A-32. (continued).

Plant Name	LER	CY	Event Date
North Anna Unit 2	3392006001	2006	11/16/2006
North Anna Unit 2	3392007003	2007	6/29/2007
North Anna Unit 2	3392007004	2007	12/25/2007
North Anna Unit 2	3382009004	2009	12/9/2009
North Anna Unit 2	3392010001	2010	4/27/2010
North Anna Unit 2	3392010002	2010	5/28/2010
North Anna Unit 2	3392010004	2010	6/16/2010
North Anna Unit 2	3382011003	2011	8/23/2011
North Anna Unit 2	3392012001	2012	10/24/2012
North Anna Unit 2	3392013001	2013	5/10/2013
North Anna Unit 2	3392013002	2013	5/28/2013
North Anna Unit 2	3392014001	2014	2/2/2014
Oconee Unit 1	2691989001	1989	1/2/1989
Oconee Unit 1	2691989013	1989	8/10/1989
Oconee Unit 1	2691990013	1990	8/28/1990
Oconee Unit 1	2691991006	1991	5/16/1991
Oconee Unit 1	2691991011	1991	10/2/1991
Oconee Unit 1	2691992003	1992	5/7/1992
Oconee Unit 1	2691992004	1992	5/8/1992
Oconee Unit 1	2691992015	1992	10/3/1992
Oconee Unit 1	2691993008	1993	8/23/1993
Oconee Unit 1	2691993010	1993	11/3/1993
Oconee Unit 1	2691996004	1996	2/28/1996
Oconee Unit 1	2691999006	1999	8/18/1999
Oconee Unit 1	2692007001	2007	2/15/2007
Oconee Unit 1	2692010002	2010	8/7/2010
Oconee Unit 2	2701988003	1988	8/26/1988
Oconee Unit 2	2701989002	1989	2/3/1989
Oconee Unit 2	2701989003	1989	2/5/1989
Oconee Unit 2	2701989004	1989	4/3/1989
Oconee Unit 2	2701993005	1993	8/25/1993
Oconee Unit 2	2701993007	1993	10/24/1993
Oconee Unit 2	2701994002	1994	4/6/1994
Oconee Unit 2	2701995002	1995	4/14/1995
Oconee Unit 2	2701997002	1997	7/6/1997
Oconee Unit 2	2701998003	1998	6/3/1998
Oconee Unit 2	2701998007	1998	11/3/1998
Oconee Unit 2	2701999001	1999	2/28/1999
Oconee Unit 2	2701999002	1999	6/19/1999
Oconee Unit 2	2701999005	1999	12/21/1999

Plant Name	LER	CY	Event Date
Watts Bar Unit 1	3901998001	1998	3/7/1998
Watts Bar Unit 1	3902001001	2001	6/29/2001
Watts Bar Unit 1	3902001002	2001	9/4/2001
Watts Bar Unit 1	3902001004	2001	12/19/2001
Watts Bar Unit 1	3902002003	2002	7/13/2002
Watts Bar Unit 1	3902003001	2003	3/10/2003
Watts Bar Unit 1	3902003003	2003	8/25/2003
Watts Bar Unit 1	3902004001	2004	1/18/2004
Watts Bar Unit 1	3902004002	2004	9/19/2004
Watts Bar Unit 1	3902006004	2006	5/30/2006
Watts Bar Unit 1	3902006005	2006	7/31/2006
Watts Bar Unit 1	3902008002	2008	8/7/2008
Watts Bar Unit 1	3902008004	2008	9/20/2008
Watts Bar Unit 1	3902010001	2010	5/21/2010
Watts Bar Unit 1	3902010003	2010	11/14/2010
Watts Bar Unit 1	3902011004	2011	5/29/2011
Watts Bar Unit 1	3902012004	2012	8/28/2012
Watts Bar Unit 1	3902013004	2013	6/28/2013
Watts Bar Unit 1	3902014003	2014	7/13/2014
Watts Bar Unit 1	3902016004	2016	3/22/2016
Watts Bar Unit 1	3902017004	2017	5/2/2017
Watts Bar Unit 1	3902017004	2017	5/4/2017
Watts Bar Unit 2	3912016004	2016	6/5/2016
Watts Bar Unit 2	3912016005	2016	6/20/2016
Watts Bar Unit 2	3912016007	2016	8/23/2016
Watts Bar Unit 2	3912016008	2016	8/30/2016
Watts Bar Unit 2	3912017002	2017	3/20/2017
Watts Bar Unit 2	3912017006	2017	12/11/2017
Wolf Creek	4821989002	1989	1/23/1989
Wolf Creek	4821989004	1989	2/2/1989
Wolf Creek	4821990001	1990	2/6/1990
Wolf Creek	4821990011	1990	5/14/1990
Wolf Creek	4821990012	1990	5/17/1990
Wolf Creek	4821990013	1990	5/19/1990
Wolf Creek	4821992002	1992	2/19/1992
Wolf Creek	4821992016	1992	11/10/1992
Wolf Creek	4821995001	1995	3/8/1995
Wolf Creek	4821996006	1996	6/6/1996
Wolf Creek	4821997008	1997	5/20/1997
Wolf Creek	4821997024	1997	11/29/1997

Table A-32. (Continued)

Plant Name	LER	CY	Event Date
Wolf Creek	4821999008	1999	8/5/1999
Wolf Creek	4822002003	2002	5/8/2002
Wolf Creek	4822003001	2003	1/3/2003
Wolf Creek	4822003003	2003	8/18/2003
Wolf Creek	4822004002	2004	2/13/2004
Wolf Creek	4822004004	2004	8/22/2004
Wolf Creek	4822004005	2004	10/7/2004
Wolf Creek	4822008003	2008	3/17/2008
Wolf Creek	4822009001	2009	4/28/2009
Wolf Creek	4822010005	2010	3/2/2010
Wolf Creek	4822010006	2010	3/8/2010
Wolf Creek	4822011007	2011	6/26/2011
Wolf Creek	4822012001	2012	1/13/2012
Yankee-Rowe	291988002	1988	3/22/1988
Yankee-Rowe	291988003	1988	3/26/1988
Yankee-Rowe	291988008	1988	5/17/1988
Yankee-Rowe	291989005	1989	4/6/1989
Yankee-Rowe	291989007	1989	4/23/1989
Yankee-Rowe	291989013	1989	8/29/1989
Yankee-Rowe	291991004	1991	8/3/1991
Zion Unit 1	2951988005	1988	2/24/1988
Zion Unit 1	2951988011	1988	5/7/1988
Zion Unit 1	2951988013	1988	7/13/1988
Zion Unit 1	2951988017	1988	7/23/1988
Zion Unit 1	2951989002	1989	1/27/1989
Zion Unit 1	2951990004	1990	1/27/1990
Zion Unit 1	2951990017	1990	8/13/1990
Zion Unit 1	2951991016	1991	11/7/1991
Zion Unit 1	2951993007	1993	7/7/1993
Zion Unit 1	2951996010	1996	3/16/1996
Zion Unit 1	2951996015	1996	4/17/1996
Zion Unit 1	2951996021	1996	8/18/1996
Zion Unit 2	3041988007	1988	10/8/1988
Zion Unit 2	3041988009	1988	10/12/1988
Zion Unit 2	3041990001	1990	1/18/1990
Zion Unit 2	3041990013	1990	11/11/1990
Zion Unit 2	3041991002	1991	3/21/1991
Zion Unit 2	3041991004	1991	6/11/1991