

APPENDIX C
SMOKE EVENTS

APPENDIX C – TABLE C-1
SMOKE EVENTS DATA — 1986-1999

ITEM NO.	DKT/ PLT ID	LER/ SOURCE	EVENT DATE	TIME	PLT AREA	EXTENT/ DUR(MIN)	PLT SYS	SMOKE CAUSE	INIT COMB	COMP EFFECT	TRAIN EFFECT	POWER LEVEL	POWER EFFECT	DETECT MEANS
1	259	86003	01/14/86	1430	Turbine Bldg	Light <60	Plt AC Power	Electrical Failure	Cable Insul	Electrical Cable	None	0% Power	None	Plant Personnel
2	325	86007	02/24/86	1615	Control Room	Light <10	None	Overhtd Material	Food	None	None	100% Power	None	Fire Detector
3	47	NPRDS	05/11/86	1025	Cable Spred Rm	Light <10	Aux Bldg HVAC	Not Identif	Cable Insul	Fan Mot Cable	Aux Bldg HVAC (1)	2% Power	None	Plant Personnel
4	47	NPRDS	05/20/86	0920	Other Bldg (Hydrn Recomb)	Light <10	Hydrn Recomb	Overhtd Material	Xformer Internals	Recomb Xformer	Hydrogen Recombiner	0% Power	None	Smoke Detector
5	61	NPRDS	06/24/86	0503	Diesel Gen Bldg	Light <10	EDG	Overhtd Material	Lube Oil	EDG Engine	EDG (1)	Power Operation	None	Plant Personnel
6	8	NPRDS	01/30/87	Not Identif	Auxiliary Bldg	Light <5	Aux Bldg HVAC	Electrical Failure	Relay Coil	Fan Cooler	Aux Bldg HVAC (1)	Power Operation	None	Plant Personnel
7	11	NPRDS	02/05/87	2016	Serv Wtr Pumphse	Light <5	NSW	Electrical Failure	Motor Internals	NSW Pump	NSW (1)	100% Power	Power Reduced	Plant Personnel
8	11	NPRDS	02/06/87	1837	Serv Wtr Pumphse	Light <5	NSW	Electrical Failure	Motor Internals	NSW Pump	NSW (1)	100% Power	Power Reduced	Plant Personnel
9	79	NPRDS	02/08/87	0400	Control Room	Light <5	RPS	Electrical Failure	Xformer Internals	RPS Pwr Supply	None	Power Operation	None	Plant Personnel
10	44	NPRDS	02/28/87	1600	Serv Wtr Pumphse	Light <30	NSW	Electrical Failure	Motor Winding	NSW Pump	NSW (1)	Power Operation	None	Plant Personnel
11	71	NPRDS	02/28/87	Not Identif	Diesel Gen Bldg	Medium <30	EDG	Overhtd Material	Fuel Oil	EDG Engine	EDG (1)	0% Power	None	Plant Personnel
12	9	NPRDS	03/01/87	0940	Serv Wtr Pumphse	Light <60	Serv Wtr HVAC	Electrical Failure	Xformer Internals	Serv Wtr Fan	Serv Wtr Hvac (1)	0% Power	None	Plant Personnel
13	13	NPRDS	03/02/87	Not Identif	Serv Wtr Pumphse	Medium <30	NSW	Electrical Failure	Motor Internals	NSW Pump	NSW (1)	Power Operation	None	Plant Personnel
14	59	NPRDS	03/04/87	1250	Serv Wtr Pumphse	Light <60	NSW	Overhtd Material	Pump Bearing	NSW Pump	NSW (1)	0% Power	None	Plant Personnel
15	24	NPRDS	03/04/87	Not Identif	Diesel Gen Bldg	Light <30	EDG	Overhtd Material	Manifold Crack	EDG Engine	EDG (1)	100% Power	None	Plant Personnel

APPENDIX C – TABLE C-1 (CONTINUED)
SMOKE EVENTS DATA — 1986-1999

ITEM NO.	DKT/ PLT ID	LER/ SOURCE	EVENT DATE	TIME	PLT AREA	EXTENT/ DUR(MIN)	PLT SYS	SMOKE CAUSE	INIT COMB	COMP EFFECT	TRAIN EFFECT	POWER LEVEL	POWER EFFECT	DETECT MEANS
16	12	NPRDS	03/06/87	1355	Reactor Bldg	Light <60	RWCU	Electrical Failure	Relay Coil	RWCU Pump	RWCU (1)	0% Power	None	Plant Personnel
17	101	NPRDS	03/09/87	2020	Reactor Bldg	Light <5	SGBS	Electrical Failure	Relay Coil	SGBS Fan	SGBS (1)	100% Power	None	Plant Personnel
18	39	NPRDS	04/08/87	2259	Turbine Bldg	Light <5	Cond	Overhtd Material	Mot Brg Lube	Condens Pump	Cond (1)	96% Power	Reduced Power	Plant Personnel
19	61	NPRDS	05/18/87	Not Identif	Auxiliary Bldg	Light <5	RHR	Electrical Failure	Motor Leads	RHR Pump	RHR (1)	0% Power	None	Plant Personnel
20	20	NPRDS	05/19/87	0100	Auxiliary Bldg	Light <5	Plt DC Power	Electrical Failure	Batt Chgr Internals	Battery Charger	None	Power Operation	None	Plant Personnel
21	37	NPRDS	05/20/87	Not Identif	Turbine Bldg	Light <5	Cond	Electrical Failure	Motor Internals	Booster Pump Dsch Vlv	Cond (1)	0% Power	None	Plant Personnel
22	50	NPRDS	06/16/87	Not Identif	Turbine Bldg	Light <20	RHR	Overhtd Material	Mot Oper Winding	RHR Valve	RHR (1)	0% Power	None	Plant Personnel
23	370	87009	07/02/87	2341	Switchgr Room	Light <10	RPS	Not Identified	Breaker Internals	Reactor Trip Brkr	RPS (1)	0% Power	None	Plant Personnel
24	424	87045	07/02/87	1110	Auxiliary Bldg	Light 120	CVCS	Overhtd Material	Pump Internals	CVCS Pump	CVCS (1)	100% Power	None	Plant Personnel
25	25	NPRDS	07/09/87	Not Identif	Reactor Bldg	Light <5	LPCS	Electrical Failure	Circ Brkr Xformer	LPCS Test Vlv	LPCS (1)	0% Power	None	Plant Personnel
26	3	NPRDS	08/01/87	Not Identif	Reactor Bldg	Light <20	RR	Electrical Failure	Circuit Breaker Internals	RR Disch Bypass Valve	RR (1)	0% Power	None	Plant Personnel
27	87	NPRDS	09/26/87	Not Identif	Turbine Bldg	Light <10	Cond	Overhtd Material	Motor Bearing Lube	Condens Pump	Cond (1)	0% Power	None	Plant Personnel
28	27	NPRDS	09/27/87	Not Identif	Serv Wtr Pumphse	Medium <30	NSW	Overhtd Material	Pump Packing	NSW Pump	NSW (1)	100% Power	None	Plant Personnel
29	483	87028	10/03/87	1027	Control Room	Light <10	None	Overhtd Material	Food	None	None	0% Power	None	Smoke Detector
30	10	NPRDS	10/21/87	1800	Auxiliary Bldg	Light <5	Plt DC Power	Electrical Failure	Batt Chgr Internals	Battery Charger	None	0% Power	None	Plant Personnel

APPENDIX C – TABLE C-1 (CONTINUED)
SMOKE EVENTS DATA — 1986–1999

ITEM NO.	DKT/ PLT ID	LER/ SOURCE	EVENT DATE	TIME	PLT AREA	EXTENT/ DUR(MIN)	PLT SYS	SMOKE CAUSE	INIT COMB	COMP EFFECT	TRAIN EFFECT	POWER LEVEL	POWER EFFECT	DETECT MEANS
31	8	NPRDS	11/16/87	1830	Auxiliary Bldg	Light <60	CCW	Electrical Failure	Motor Leads	CCW Pump	CCW (1)	0% Power	None	Plant Personnel
32	39	NPRDS	11/18/87	1950	Auxiliary Bldg	Light <5	Plt DC Power	Electrical Failure	Xformer Internals	Battery Charger	None	0% Power	None	Plant Personnel
33	101	NPRDS	12/05/87	Not Identif	Reactor Bldg	Light <5	MS	Electrical Failure	Motor Operator Internals	MSIV	MS (1)	0% Power	None	Plant Personnel
34	35	NPRDS	12/17/87	Not Identif	Auxiliary Bldg	Medium <60	CRD	Overhtd Material	Bearing Lube	CRD MG Set	CRD (1)	100% Power	None	Plant Personnel
35	40	NPRDS	01/06/88	Not Identif	Diesel Gen Bldg	Light <5	EDG	Overhtd Material	Bearing Lube	EDG Engine	EDG (1)	100% Power	None	Plant Personnel
36	73	NPRDS	01/08/88	Not Identif	Reactor Bldg	Light <10	HPCI	Electrical Failure	Motor Operator Internals	Torus Isolation Valve	HPCI	Power Operation	None	Plant Personnel
37	11	NPRDS	01/14/88	0001	Switch Yard	Light <60	Plt AC Power	Electrical Failure	Fan Mot Insulation	Auxiliary Xformer	None	100% Power	None	Plant Personnel
38	30	NPRDS	01/21/88	Not Identif	Auxiliary Bldg	Light <10	HPSI	Electrical Failure	Relay Coil	Lockout Relay	HPSI (1)	100% Power	None	Plant Personnel
39	13	NPRDS	01/24/88	0110	Switchgr Room	Light <60	RCS	Electrical Failure	Circ Brkr Internals	PressHtr Circ Brkr	RCS (1)	0% Power	None	Plant Personnel
40	58	NPRDS	02/04/88	2050	Auxiliary Bldg	Light <5	AFW	Overhtd Material	Bearing Oil	Mot Driv Pump	AFW (1)	0% Power	None	Plant Personnel
41	10	NPRDS	02/06/88	1015	Auxiliary Bldg	Light <5	Plt DC Power	Electrical Failure	Batt Chgr Internals	Battery Charger	Plt DC Pwr Dist (1)	100% Power	Unit Shutdown (Manual)	Plant Personnel
42	10	NPRDS	02/07/88	1410	Auxiliary Bldg	Light <5	Plt DC Power	Electrical Failure	Batt Chgr Internals	Battery Charger	Plt DC Pwr Dist (1)	98% Power	Unit Shutdown (Manual)	Plant Personnel
43	328	88005	02/12/88	1133	Auxiliary Bldg	Light <10	CVCS	Overhtd Material	Lube Oil	CVCS Pump	CVCS (1)	0% Power	None	Plant Personnel
44	40	NPRDS	02/18/88	Not Identif	Auxiliary Bldg	Light <60	CS	Overhtd Material	Pump Packing	CS Pump	CS (1)	99% Power	None	Plant Personnel
45	74	NPRDS	03/01/88	1430	Auxiliary Bldg	Light <60	NSW	Electrical Failure	Circ Brkr Heater	NSW Valve	NSW (1)	0% Power	None	Plant Personnel

APPENDIX C – TABLE C-1 (CONTINUED)
SMOKE EVENTS DATA — 1986–1999

ITEM NO.	DKT/ PLT ID	LER/ SOURCE	EVENT DATE	TIME	PLT AREA	EXTENT/ DUR(MIN)	PLT SYS	SMOKE CAUSE	INIT COMB	COMP EFFECT	TRAIN EFFECT	POWER LEVEL	POWER EFFECT	DETECT MEANS
46	61	NPRDS	03/20/88	1445	Auxiliary Bldg	Light <10	Penetr Room Ventil	Electrical Failure	Circ Brkr Internals	Exhaust Fan	Penetration Room Ventilation (1)	0% Power	None	Plant Personnel
47	1	NPRDS	03/30/88	Not Identif	Contmnt	Light <60	Contmnt HVAC	Overhtd Material	CoolFan Internals	Contmnt AirCooler	Contmnt HVAC (1)	0% Power	None	Plant Personnel
48	74	NPRDS	04/02/88	1700	Auxiliary Bldg	Light <5	Plt DC Power	Electrical Failure	Batt Chgr Internals	Battery Charger	None	0% Power	None	Plant Personnel
49	13	NPRDS	04/16/88	1714	Diesel Gen Bldg	Medium <30	EDG	Overhtd Material	Rotor Insul	EDG Generatr	EDG (1)	100% Power	None	Plant Personnel
50	57	NPRDS	04/18/88	0500	Reactor Bldg	Light <10	RPS	Electrical Failure	Relay Coil	RPS MG Set	RPS (1)	Power Operation	None	Plant Personnel
51	69	NPRDS	04/30/88	Not Identif	Turbine Bldg	Light <10	MS	Electrical Failure	Motor Operator Internals	MSIV	MS (1)	5% Power	None	Plant Personnel
52	98	NPRDS	05/10/88	Not Identif	Switchgr Room	Light <60	CS	Electrical Failure	Circ Brkr CloseCoil	CS Pump Circ Brkr	CS (1)	Power Operation	None	Plant Personnel
53	27	NPRDS	05/28/88	Not Identif	Auxiliary Bldg	Light <5	RHR/ LPCI	Electrical Failure	Motor Operator Internals	LPCI Pump	RHR (1)	0% Power	None	Plant Personnel
54	424	88016	06/03/88	Not Identif	Cable Spred Rm	Light <20	None	Overhtd Material	Dust	Electric Duct Htr	None	100% Power	None	Smoke Detector
55	10	NPRDS	06/03/88	1015	Auxiliary Bldg	Light <10	RPS	Electrical Failure	Relay Material	RPS Relay	RPS (1)	100% Power	None	Plant Personnel
56	8	NPRDS	06/04/88	Not Identif	Diesel Gen Bldg	Light <5	EDG	Electrical Failure	Motor Internals	EDG Air Comprsr	EDG (1)	100% Power	None	Plant Personnel
57	19	NPRDS	06/13/88	0100	Auxiliary Bldg	Light <20	Instr AC Power	Electrical Failure	Xlormer Internals	Instrmnt Inverter	None	Power Operation	None	Plant Personnel
58	69	NPRDS	06/24/88	1245	Reactor Bldg	Light <20	RPS	Electrical Failure	Xlormer Internals	RPS Pwr Supply	RPS (1)	100% Power	None	RPS Alarm
59	32	NPRDS	06/15/88	0639	Auxiliary Bldg	Light <5	Plt DC Power	Electrical Failure	Batt Chgr Internals	Battery Charger	None	Power Operation	None	Plant Personnel
60	440	88028	06/23/88	1227	Other Bldg	Light <20	Aux Steam	Blr Exh Smoke	Aux Blr Exhaust	Auxiliary Boiler	None	0% Power	None	Toxic Gas Detector

APPENDIX C – TABLE C-1 (CONTINUED)
SMOKE EVENTS DATA — 1986–1999

ITEM NO.	DKT/ PLT ID	LER/ SOURCE	EVENT DATE	TIME	PLT AREA	EXTENT/ DUR(MIN)	PLT SYS	SMOKE CAUSE	INIT COMB	COMP EFFECT	TRAIN EFFECT	POWER LEVEL	POWER EFFECT	DETECT MEANS
61	69	NPRDS	06/24/88	Not Identif	Reactor Bldg	Light <10	RPS	Electrical Failure	Circ Brkr Internals	RPS MG Set	RPS (1)	100% Power	None	Plant Personnel
62	64	NPRDS	06/27/88	0800	Auxiliary Bldg	Light <30	Instr AC Power	Electrical Failure	Resistor	Power Supply Inverter	None	0% Power	None	Plant Personnel
63	2	NPRDS	07/14/88	Not Identif	Switch Yard	Light <60	Plt AC Power	Electrical Failure	Xformer Internals	Stat Serv Xformer	None	0% Power	None	Plant Personnel
64	97	NPRDS	08/10/88	Not Identif	Diesel Gen Bldg	Light <60	EDG	Electrical Failure	Motor Internals	EDG Air Comprsr	EDG (1)	Power Operation	None	Plant Personnel
65	12	NPRDS	08/11/88	1405	Diesel Gen Bldg	Light <60	EDG	Overhtd Material	Xformer Coil	EDG FO Pump	None	Power Operation	None	Plant Personnel
66	51	NPRDS	08/12/88	1704	Turbine Bldg	Light <20	Cond	Electrical Failure	Motor Leads	Cond Booster Pump	None	94% Power	None	Ground Alarm
67	1	NPRDS	08/15/88	Not Identif	Auxiliary Bldg	Light <10	Contmnt Ventil	Electrical Failure	Motor Insul	Vent Stk Dilut Fan	Containment Ventilation (1)	92% Power	None	Plant Personnel
68	4	NPRDS	09/02/88	Not Identif	Reactor Bldg	Light <5	SLC	Overhtd Material	Pump Packing	SLC Pump	SLC (1)	0% Power	None	Plant Personnel
69	69	NPRDS	09/03/88	Not Identif	Reactor Bldg	Light <5	HPCI	Overhtd Material	GearRed Lube	HPCI Pump	HPCI	100% Power	None	Plant Personnel
70	440	88037	09/18/88	1715	Other Bldg	Light <20	Aux Steam	Bir Exh Smoke	Aux Bir Exhaust	Aux Boiler	None	0% Power	None	Toxic Gas Detector
71	48	NPRDS	10/30/88	Not Identif	Switch Yard	Light <5	Plt AC Power	Electrical Failure	Circ Brkr CloseCoil	Serv Bus Tie Brkr	None	Power Operation	None	Plant Personnel
72	86	NPRDS	11/01/88	0911	Diesel Gen Bldg	Light <10	EDG	Electrical Failure	Temp Sw Internals	EDG Jacket WtrCoolr	EDG (1)	0% Power	None	Fire Alarm
73	51	NPRDS	11/02/88	0818	Auxiliary Bldg	Medium <30	RHR	Overhtd Material	Bearing Lube Oil	RHR Pump	RHR (1)	0% Power	None	Plant Personnel
74	56	NPRDS	11/28/88	Not Identif	Reactor Bldg	Light <60	Plt DC Power	Electrical Failure	Batt Chgr Relay	Battery Charger	None	Power Operation	None	Plant Personnel
75	50	NPRDS	11/30/88	Not Identif	Turbine Bldg	Light <20	Plt AC Power	Electrical Failure	Electrical Insul	Power Xformer	FW (1)	0% Power	None	Plant Personnel

APPENDIX C TABLE C-1 (CONTINUED)
SMOKE EVENTS DATA — 1986-1999

ITEM NO.	DKT/ PLT ID	LER/ SOURCE	EVENT DATE	TIME	PLT AREA	EXTENT/ DUR(MIN)	PLT SYS	SMOKE CAUSE	INIT COMB	COMP EFFECT	TRAIN EFFECT	POWER LEVEL	POWER EFFECT	DETECT MEANS
76	60	NPRDS	12/22/88	0830	Auxiliary Bldg	Light <20	Instr AC Power	Electrical Failure	Inverter Electrical Leads	Instr Power Inverter	None	Power Operation	None	Plant Personnel
77	28	NPRDS	01/06/89	Not Identif	Auxiliary Bldg	Light <10	CVCS	Electrical Failure	Motor Operator Internals	Charging Pump DischVlv	CVCS (1)	0% Power	None	Plant Personnel
78	5	NPRDS	01/17/89	Not Identif	Reactor Bldg	Light <60	CRD	Overhtd Material	Bearing Lube Oil	CRD Sup Pump	CRD (1)	0% Power	None	Plant Personnel
79	45	NPRDS	01/21/89	1500	Auxiliary Bldg	Light <60	HPSI	Overhtd Material	Pipe Insul	HPSI Chck Vlv	HPSI (1)	0% Power	None	Fire Alarm
80	400	89003	02/06/89	0008	Turbine Bldg	Light <10	Turb-Gen	Electrical Failure	Breaker Trip Coil	T-G Gen Xcitr	T-G	100% Power	None (Prior Trip)	Plant Personnel
81	80	NPRDS	02/06/89	1305	Turbine Bldg	Light <5	Cond	Electrical Failure	Motor Surge Capacitor	Cond Pump	Cond (1)	5% Power	Reactor Trip	Plant Personnel
82	94	NPRDS	02/21/89	2245	Turbine Bldg	Light <10	Cond-FW	Electrical Failure	Motor Operator Internals	FW Turb Driven Pump	Cond-FW (1)	90% Power	None (Shutdown In- Process)	Plant Personnel
83	65	NPRDS	03/31/89	1712	Auxiliary Bldg	Medium <30	CRD	Electrical Failure	Motor Winding	CRD MG Set	CRD (1)	100% Power	None	Fire Alarm
84	72	NPRDS	04/12/89	1201	Auxiliary Bldg	Light <5	Plt AC Power	Electrical Failure	Batt Chgr Internals	Battery Charger	None	0% Power	None	Plant Personnel
85	41	NPRDS	04/13/89	1000	Turbine Bldg	Light <5	FW	Overhtd Material	Bearing Lube Oil	FW Pump	FW (1)	>5% Power	None	Temperature Alarm
86	8	NPRDS	04/23/89	Not Identif	Auxiliary Bldg	Light <10	RHR	Electrical Failure	Motor Operator Internals	RHR Dischrg Valve	RHR (1)	0% Power	None	Plant Personnel
87	54	NPRDS	04/24/89	1700	Auxiliary Bldg	Light <20	Ice Cond	Electrical Failure	Circ Brkr Internals	IceCond Glycol Pump	Ice Cond (1)	Power Operation	None	Plant Personnel
88	92	NPRDS	04/29/89	1527	Auxiliary Bldg	Light <60	CVCS	Electrical Failure	Motor Internals	Positive Displac Pump	CVCS (1)	Power Operation	None	Plant Personnel

APPENDIX C – TABLE C-1 (CONTINUED)
SMOKE EVENTS DATA — 1986-1999

ITEM NO.	DKT/ PLT ID	LER/ SOURCE	EVENT DATE	TIME	PLT AREA	EXTENT/ DUR(MIN)	PLT SYS	SMOKE CAUSE	INIT COMB	COMP EFFECT	TRAIN EFFECT	POWER LEVEL	POWER EFFECT	DETECT MEANS
89	27	NPRDS	05/02/89	Not Identif	Contmnt	Light <5	None	Electrical Failure	Motor Winding	Reactor Bldg Penetr	None	0% Power	None	Plant Personnel
90	37	NPRDS	05/16/89	Not Identif	Reactor Bldg	Light <5	RPS	Electrical Failure	Power Supply Pot	APRM Power Supply	RPS (1)	0% Power	None	Plant Personnel
91	84	NPRDS	05/16/89	Not Identif	Reactor Bldg	Light <10	RCIC	Electrical Failure	Motor Operator Trip Sol	RCIC Turb Trip Valve	RCIC	0% Power	None	Plant Personnel
92	92	NPRDS	05/23/89	1318	Auxiliary Bldg	Light <30	Plt AC Power	Electrical Failure	Xformer Insulation	3kV Xformer	None	Power Operation	None	Audio Alarm
93	46	NPRDS	05/26/89	Not Identif	Auxiliary Bldg	Light <60	Ice Cond	Electrical Failure	Compsr Elect Coil	Ice Cond Compsr	Ice Cond (1)	100% Power	None	Plant Personnel
94	90	NPRDS	05/26/89	Not Identif	Diesel Gen Bldg	Light <5	EDG	Overhtd Material	Compsr Internals	EDG Air Compsr	EDG (1)	0% Power	None	Plant Personnel
95	80	NPRDS	06/02/89	1900	Reactor Bldg	Light <10	HPCI	Electrical Failure	Circ Brkr Htr Relay	Fdwtr Isol Vlv	HPCI	0% Power	None	Plant Personnel
96	84	NPRDS	06/05/89	0600	Serv Wtr Pumphse	Light <5	NSW	Electrical Failure	Motor Leads	NSW Pump	NSW (1)	0% Power	None	Plant Personnel
97	89	NPRDS	06/13/89	Not Identif	Turbine Bldg	Light <10	Cond	Electrical Failure	Motor Insul	Cond Booster Pump	None	Power Operation	None	Plant Personnel
98	80	NPRDS	06/19/89	0950	Diesel Gen Bldg	Heavy (Evac)>60	EDG	Overhtd Material	Lube Oil	EDG Engine	EDG (1)	100% Power	None	Plant Personnel
99	8	NPRDS	06/21/89	Not Identif	Serv Wtr Pumphse	Light <5	NSW	Electrical Failure	Circ Brkr CloseCoil	NSW Pump	NSW (1)	0% Power	None	Plant Personnel
100	89	NPRDS	06/27/89	0130	Turbine Bldg	Light <60	FW	Electrical Failure	Circ Brkr Internals	Fdwtr Isol Vlv	None	Power Operation	None	Plant Personnel
101	73	NPRDS	07/04/89	Not Identif	Reactor Bldg	Light <60	Plt DC Power	Electrical Failure	Batt Chgr Internals	Battery Charger	None	Power Operation	None	Plant Personnel
102	27	NPRDS	07/07/89	Not Identif	Auxiliary Bldg	Light <20	Plt DC Power	Electrical Failure	Xformer Internals	Pwr Sup Xformer	None	100% Power	None	Plant Personnel

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103	1	NPRDS	07/11/89	Not Identif	Auxiliary Bldg	Light <20	Pit DC Power	Electrical Failure	Power Supply Internals	Sequenc Power Supply	None	100% Power	None	Trouble Alarm
104	76	NPRDS	07/12/89	Not Identif	Turbine Bldg	Light <5	Pit AC Power	Electrical Failure	Circ Brkr Internals	Alt Feed Circ Brkr	None	Power Operation	None	Plant Personnel
105	91	NPRDS	07/18/89	Not Identif	Auxiliary Bldg	Light <10	Pit DC Power	Electrical Failure	Batt Chgr Internals	Battery Charger	None	Power Operation	None	Plant Personnel
106	28	NPRDS	07/19/89	Not Identif	Auxiliary Bldg	Light <10	HPSI	Electrical Failure	Motor Operator Internals	HPSI Isolation Valve	None	0% Power	None	Plant Persnnei
107	260	89023	07/23/89	0920	Diesel Gen Bldg	Light <5	EDG	Overhld Material	Electrical Internals	EDG Engine Cntl Pnl	EDG (1)	0% Power	None	Plant Personnel
108	18	NPRDS	08/26/89	Not Identif	Switchgr Room	Light <10	RR	Electrical Failure	Relay Coil	RR Pmp MG Set	RR (1)	0% Power	None	Plant Personnel
109	80	NPRDS	10/07/89	2303	Diesel Gen Bldg	Medium <30	EDG	Overhld Material	Engine Lube Oil	EDG Engine	EDG (1)	100% Power	None	Fire Detection Alarm
110	35	NPRDS	10/23/89	Not Identif	Auxiliary Bldg	Light <10	CVCS	Overhld Material	Motor Bearing Lube	Charging Pump	CVCS (1)	0% Power	None	Plant Personnel
111	73	NPRDS	10/25/89	Not Identif	Reactor Bldg	Light <10	RHR	Electrical Failure	Motor Operator Winding	RHR Crosstie Valve	RHR (1)	0% Power	None	Plant Personnel
112	323	89010	10/27/89	0655	Turbine Bldg	Heavy (Evac) 90	Turb-Gen	Overhld Material	Bearing Lube	T-G Generatr	T-G	100% Power	Turb Trip, React Trip	Plant Personnel
113	74	NPRDS	10/29/89	2130	Auxiliary Bldg	Light <60	Instr AC Power	Electrical Failure	Inverter Internals	Static Inverter	Instr AC Pwr Dist (1)	0% Power	None	Plant Personnel
114	58	NPRDS	11/11/89	1300	Diesel Gen Bldg	Light <5	EDG	Electrical Failure	Circ Brkr Contact Coil	EDG Lo Supply Circ Brkr	EDG (1)	0% Power	None	Plant Personnel
115	86	NPRDS	11/19/89	1805	Turbine Bldg	Light <30	Cond-FW	Overhld Material	Bearing Lube Oil	FW Pump	Cond-FW (1)	Power Operation	Power Reduced	Plant Personnel
116	12	NPRDS	11/21/89	Not Identif	Reactor Bldg	Light <10	HPCI	Electrical Failure	Motor Internals	Gld Stm Blower	HPCI	Power Operation	None	Plant Personnel

APPENDIX C – TABLE C-1 (CONTINUED)
SMOKE EVENTS DATA — 1986–1999

ITEM NO.	DKT/ PLT ID	LER/ SOURCE	EVENT DATE	TIME	PLT AREA	EXTENT/ DUR(MIN)	PLT SYS	SMOKE CAUSE	INIT COMB	COMP EFFECT	TRAIN EFFECT	POWER LEVEL	POWER EFFECT	DETECT MEANS
117	272	89033	12/01/89	1544	Auxiliary Bldg	Light <10	CVCS	Overhtd Material	Speed Increaser Lube Oil	Charging Pump	CVCS (1)	100% Power	Turb Trip, React Trip	Plant Personnel
118	106	NPRDS	12/03/89	Not Identif	Diesel Gen Bldg	Light <5	EDG	Overhtd Material	Fuel Oil	EDG Engine	EDG (1)	0% Power	None	Plant Personnel
119	106	NPRDS	12/06/89	Not Identif	Turbine Bldg	Light <60	Instr AC Power	Electrical Failure	Capacitor Internals	10kVA Inverter	None	Power Operation	None	Plant Personnel
120	29	NPRDS	12/09/89	0914	Auxiliary Bldg	Medium <30	CVCS	Overhtd Material	Vari-Drive Belts	Charging Pump	CVCS (1)	100% Power	None	Fire Alarm
121	58	NPRDS	12/13/89	0940	Diesel Gen Bldg	Medium <30	EDG	Electrical Failure	Relay Internals	EDG Cntl Cabinet	EDG (1)	0% Power	None	Plant Personnel
122	54	NPRDS	12/15/89	Not Identif	Auxiliary Bldg	Light <10	Ice Cond	Electrical Failure	Circ Brkr Internals	Ice Cond Chiller	Ice Cond (1)	100% Power	None	Plant Personnel
123	38	NPRDS	12/26/89	0800	Auxiliary Bldg	Light <10	CVCS	Overhtd Material	Vari-Drive Belts	Charging Pump	CVCS (1)	100% Power	None	Plant Personnel
124	66	NPRDS	01/11/90	1428	Serv Wtr Pumpphse	Light <60	NSW	Electrical Failure	Motor Insul	NSW Pump	NSW (1)	Power Operation	None	Plant Personnel
125	91	NPRDS	01/23/90	1200	Diesel Gen Bldg	Medium <30	EDG	Overhtd Material	Fuel Oil	EDG Engine	EDG (1)	0% Power	None	Plant Personnel
126	11	NPRDS	01/29/90	0231	Auxiliary Bldg	Light <30	RMS	Electrical Failure	Motor insul	RMS Air Particle Monitor	RMS (1)	100% Power	None	Radiation Monitor Alarm
127	71	NPRDS	03/02/90	Not Identif	Switchgr Room	Light <5	RPS	Electrical Failure	React Trip Coil	React Trip Brkr	RPS (1)	0% Power	None	Plant Personnel
128	38	NPRDS	03/03/90	0800	Auxiliary Bldg	Light <10	CVCS	Overhtd Material	Vari-Drive Belts	Charging Pump	CVCS (1)	100% Power	None	Plant Personnel
129	30	NPRDS	03/14/90	1024	Auxiliary Bldg	Light <30	ESFAS	Electrical Failure	Relay Coil	Stor Tnk Level	None	0% Power	None	ESF Fire Detector
130	8	NPRDS	03/30/90	Not Identif	Auxiliary Bldg	Light <10	RHR	Electrical Failure	Motor Operator Internals	Ht Exchg Dischg Valve	RHR (1)	0% Power	None	Plant Personnel

APPENDIX C – TABLE C-1 (CONTINUED)
SMOKE EVENTS DATA — 1986-1999

ITEM NO.	DKT/ PLT ID	LER/ SOURCE	EVENT DATE	TIME	PLT AREA	EXTENT/ DUR(MIN)	PLT SYS	SMOKE CAUSE	INIT COMB	COMP EFFECT	TRAIN EFFECT	POWER LEVEL	POWER EFFECT	DETECT MEANS
131	77	NPRDS	04/02/90	Not Identif	Turbine Bldg	Light <60	Cond-FW	Electrical Failure	Diode	Electrical Auto Pos	None	Power Operation	None	Plant Personnel
132	10	NPRDS	04/09/90	1930	Auxiliary Bldg	Light <60	RCS	Electrical Failure	Mot Oper Insul	Thermal Barr Vlv	RCS (1)	0% Power	None	Plant Personnel
133	59	NPRDS	04/12/90	Not Identif	Auxiliary Bldg	Light <5	AFW	Electrical Failure	Mot Oper Insul	FW Dsch Isol Vlv	None	Power Operation	None	Plant Personnel
134	51	NPRDS	04/22/90	1210	Switchgr Room	Light <30	RCS	Electrical Failure	Circ Brkr Trip Coil	Press Htr Circ Brkr	None	0% Power	None	Plant Personnel
135	2	NPRDS	04/24/90	Not Identif	Auxiliary Bldg	Light <10	RHR	Overhtd Material	Motor Bearing Lube	RHR Pump	RHR (1)	Power Operation	None	Plant Personnel
136	15	NPRDS	04/24/90	0709	Reactor Bldg	Light <20	RPS	Electrical Failure	Relay Coil	RPS Sensor	RPS (1)	0% Power	None	Plant Personnel
137	18	NPRDS	04/25/90	Not Identif	Serv Wtr Pumpchse	Light <60	NSW	Electrical Failure	Xformer Internals	Ht Xchgr Isol Vlv	NSW (1)	0% Power	None	Plant Personnel
138	54	NPRDS	05/03/90	2200	Auxiliary Bldg	Light <30	CS	Overhtd Material	Motor Bearing Lube	CS Pump	CS (1)	0% Power	None	Plant Personnel
139	86	NPRDS	05/14/90	1456	Reactor Bldg	Light <5	RHR	Electrical Failure	Motor Insul	RHR Jockey Pump	None	100% Power	None	Fire Alarm
140	60	NPRDS	05/17/90	Not Identif	Auxiliary Bldg	Light <30	Instr DC Power	Electrical Failure	Inverter Relay	Instr Pwr Inverter	None	Power Operation	None	Plant Personnel
141	41	NPRDS	05/28/90	0745	Auxiliary Bldg	Light <10	CRD	Electrical Failure	Volt Reg Internals	CRD MG Set	CRD (1)	100% Power	None	Plant Personnel
142	97	NPRDS	05/29/90	1408	Auxiliary Bldg	Light <60	Penetr Room HVAC	Electrical Failure	Circuit Breaker Coil	Penetr Room Fan	Penetr Room HVAC (1)	Power Operation	None	Plant Personnel
143	53	NPRDS	05/30/90	Not Identif	Reactor Bldg	Light <60	Instr AC Power	Electrical Failure	Xlormer Internals	UPS Xlormer	Instr AC Pwr Dist (1)	0% Power	None	Plant Personnel
144	28	NPRDS	06/02/90	Not Identif	Turbine Bldg	Light <10	Cond	Overhtd Material	Motor Bearing Oil	Cond Pump	Cond (1)	5% Power	None	Plant Personnel

APPENDIX C – TABLE C-1 (CONTINUED)
SMOKE EVENTS DATA — 1986–1999

ITEM NO.	DKT/ PLT ID	LER/ SOURCE	EVENT DATE	TIME	PLT AREA	EXTENT/ DUR(MIN)	PLT SYS	SMOKE CAUSE	INIT COMB	COMP EFFECT	TRAIN EFFECT	POWER LEVEL	POWER EFFECT	DETECT MEANS
145	70	NPRDS	06/05/90	1551	Auxiliary Bldg	Light <5	CCW	Electrical Failure	Motor Winding	CCW Pump	CCW (1)	100% Power	None	Plant Personnel
146	10	NPRDS	06/13/90	2222	Turbine Bldg	Medium <30	FW	Electrical Failure	Motor Winding	FW Pump	FW (1)	48% Power	None	Plant Personnel
147	84	NPRDS	06/13/90	Not Identif	Reactor Bldg	Light <20	RCIC	Electrical Failure	Circ Brkr Coil	RCIC Valve	None	0% Power	None	Plant Personnel
148	79	NPRDS	06/27/90	0920	Reactor Bldg	Light <10	CRD	Electrical Failure	Motor Insul	CRD MG Set	CRD (1)	Power Operation	None	Audio Alarm
149	96	NPRDS	07/01/90	Not Identif	Diesel Gen Bldg	Light <10	EDG	Overhtd Material	Compsr Lube Oil	EDG Air Comprsr	None	60% Power	None	Plant Personnel
150	108	NPRDS	07/06/90	1130	Switch Yard	Light <60	Plt AC Power	Electrical Failure	Xformer Internals	Main Xformer	None	0% Power	None	Plant Personnel
151	413	90028	07/23/90	1135	Control Room	Medium 200	Cntrl Rm HVAC	Overhtd Material	Fan Belt Material	Cntrl Rm AHU	Control Room HVAC (1)	0% Power	None	Plant Personnel
152	92	NPRDS	07/23/90	1334	Auxiliary Bldg	Light <30	Plt AC Power	Electrical Failure	Xformer Insul	3kV Xformer	None	Power Operation	None	Audio Alarm
153	40	NPRDS	08/20/90	Not Identif	Diesel Gen Bldg	Light <5	EDG	Overhtd Material	Bearing Lube	EDG Turbo-Charger	EDG (1)	0% Power	None	Plant Personnel
154	36	NPRDS	08/19/90	1846	Reactor Bldg	Light <30	Not Identified	Electrical Failure	Relay Coil	Hi Trip Relay	None	Power Operation	None	Plant Personnel
155	39	NPRDS	09/10/90	0001	Auxiliary Bldg	Light <30	Instr AC Power	Electrical Failure	Power Supply Internals	Instr AC Power Supply	None	97% Power	None	Annunc Alarm
156	957	NPRDS	09/21/90	1450	Auxiliary Bldg	Light <5	Plt DC Power	Electrical Failure	Circ Brkr Internals	Battery Charger Circ Brkr	None	Power Operation	None	Plant Personnel
157	35	NPRDS	10/12/90	Not Identif	Diesel Gen Bldg	Light <10	EDG	Electrical Failure	Xformer Internals	Lube Oil Heater Circ Brkr	EDG (1)	0% Power	None	Plant Personnel
158	47	NPRDS	10/17/90	1730	Switchgr Room	Light <10	CRD	Electrical Failure	Brkr Trip Contacts	Reactor Trip Bypass Breaker	CRD (1)	0% Power	None	Smoke Detector

APPENDIX C – TABLE C-1 (CONTINUED)
SMOKE EVENTS DATA — 1986–1999

ITEM NO.	DKT/ PLT ID	LER/ SOURCE	EVENT DATE	TIME	PLT AREA	EXTENT/ DUR(MIN)	PLT SYS	SMOKE CAUSE	INIT COMB	COMP EFFECT	TRAIN EFFECT	POWER LEVEL	POWER EFFECT	DETECT MEANS
159	109	NPRDS	10/18/90	1211	Turbine Bldg	Light <5	MS	Electrical Failure	Solenoid Internals	Steam Trap Isol Valve	None	Power Operation	None	Plant Personnel
160	72	NPRDS	10/21/90	Not Identif	Serv Wtr Pumphse	Light <60	NSW	Electrical Failure	Motor Internals	NSW Pump	NSW (1)	0% Power	None	Plant Personnel
161	96	NPRDS	11/08/90	1050	Auxiliary Bldg	Light <20	Plt DC Power	Electrical Failure	Batt Chgr Internals	Battery Charger	None	0% Power	None	Smoke Alarm
162	8	NPRDS	11/20/90	Not Identif	Auxiliary Bldg	Light <5	RHR	Electrical Failure	Motor Operator Internals	Recirc Pmp Dshg Vlv	RHR (1)	Power Operation	None	Plant Personnel
163	97	NPRDS	11/26/90	Not Identif	Diesel Gen Bldg	Light <60	EDG	Electrical Failure	Motor Internals	EDG Air Comprsr	None	Power Operation	None	Plant Personnel
164	46	NPRDS	12/05/90	1736	Turbine Bldg	Light <60	Plt AC Power	Electrical Failure	Shunt Trip Coil	600vac Sup Brkr	None	0% Power	None	Plant Personnel
165	27	NPRDS	12/08/90	Not Identif	Auxiliary Bldg	Light <10	AFW	Overhtd Material	Pump Packing	AFW Pump	AFW (1)	0% Power	None	Plant Personnel
166	74	NPRDS	01/03/91	1005	Diesel Gen Bldg	Light <5	EDG	Overhtd Material	Fuel Oil	EDG Engine	None	Power Operation	None	Plant Personnel
167	5	NPRDS	01/06/91	2053	Turbine Bldg	Medium <60	Turb-Gen	Overhtd Material	Bearing Lube Oil	T-G Generatr	T-G	>2% Power	Turb Trip (Manual)	Plant Personnel
168	47	NPRDS	02/17/91	Not Identif	Serv Wtr Pumphse	Light <10	NSW	Overhtd Material	Motor Winding	NSW Pump	NSW (1)	100% Power	None	Plant Personnel
169	61	NPRDS	02/21/91	0830	Auxiliary Bldg	Light <30	CVCS	Electrical Failure	Motor Internals	Aux Oil Pump	None	0% Power	None	Plant Personnel
170	368	91008	03/09/91	0918	Control Room	Light <5	Cntrl Rm HVAC	Overhtd Material	EDG Smoke	EDG Exhaust	None	0% Power	None	Smoke Detector
171	80	NPRDS	03/09/91	0727	Turbine Bldg	Light <5	Cond-FW	Electrical Failure	Xlormer Internals	FW Pmp Contoller	None	100% Power	None	Plant Personnel
172	86	NPRDS	04/13/91	1345	Turbine Bldg	Light <30	Cond-FW	Overhtd Material	Bearing Lube Oil	FW Pump	Cond-FW (1)	93% Power	Power Reduced	Plant Personnel

APPENDIX C – TABLE C-1 (CONTINUED)
SMOKE EVENTS DATA — 1986–1999

ITEM NO.	DKT/ PLT ID	LER/ SOURCE	EVENT DATE	TIME	PLT AREA	EXTENT/ DUR(MIN)	PLT SYS	SMOKE CAUSE	INIT COMB	COMP EFFECT	TRAIN EFFECT	POWER LEVEL	POWER EFFECT	DETECT MEANS
173	9	NPRDS	03/27/91	Not Identif	Reactor Bldg	Light <5	HPCI	Electrical Failure	Motor Operator Leads	Test Return Valve	None	Power Operation	None	Plant Personnel
174	66	NPRDS	04/16/91	0001	Diesel Gen Bldg	Light <30	EDG	Electrical Failure	Motor Internals	EDG Air Comprsr	None	0% Power	None	Plant Personnel
175	23	NPRDS	04/27/91	Not Identif	Auxiliary Bldg	Light <5	RCS	Electrical Failure	Circ Brkr Contacts	PORV Block Vlv	None	47% Power	None	Plant Personnel
176	77	NPRDS	05/03/91	Not Identif	Reactor Bldg	Light <60	RCIC	Electrical Failure	Solenoid Coil	Trip/ Throttle Valve	RCIC	0% Power	None	Plant Personnel
177	85	NPRDS	05/04/91	1416	Auxiliary Bldg	Light <5	AFW	Electrical Failure	Motor Internals	AFW Pump	AFW (1)	0% Power	None	Plant Personnel
178	282	91004	05/09/91	1255	Auxiliary Bldg	Light <10	CVCS	Electrical Failure	Ht Trac Wiring	CVCS Ht Tracing	None	85% Power	None	Plant Personnel
179	107	NPRDS	05/11/91	0524	Switch Yard	Light <60	Pit AC Power	Electrical Failure	Circ Bkr Internals	13.8 kV Circ Brkr	None	Power Operation	None	Plant Personnel
180	15	NPRDS	05/19/91	1359	Reactor Bldg	Light <20	RPS	Electrical Failure	Motor Insul	RPS MG Set	RPS (1)	Power Operation	None	Plant Personnel
181	31	NPRDS	05/19/91	Not Identif	Auxiliary Bldg	Light <10	CAR	Overhtd Material	Bearing Lube	CAR Fan	CAR (1)	Power Operation	None	Plant Personnel
182	9	NPRDS	05/30/91	Not Identif	Reactor Bldg	Light <60	HPCI	Electrical Failure	Relay Contacts	HPCI Pump	HPCI	80% Power	None	Plant Personnel
183	70	NPRDS	06/15/91	Not Identif	Auxiliary Bldg	Light <5	Instr AC Power	Electrical Failure	Circ Brkr Internals	RCS Control Instr	None	100% Power	None	Plant Personnel
184	77	NPRDS	09/06/91	Not Identif	Reactor Bldg	Light <60	RHR	Electrical Failure	Xformer Internals	RHR Ht Xchangr Vent Vlv	RHR (1)	100% Power	None	Fire Alarm
185	78	NPRDS	09/11/91	Not Identif	Turbine Bldg	Light <60	Cond-FW	Electrical Failure	Solenoid Coil	FW Pmp TurnGear	None	80% Power	None	Trouble Alarm
186	31	NPRDS	09/13/91	Not Identif	Auxiliary Bldg	Light <30	RMS	Electrical Failure	Motor Internals	Sample Pump	RMS (1)	Power Operation	None	Plant Personnel

APPENDIX C – TABLE C-1 (CONTINUED)
SMOKE EVENTS DATA — 1986–1999

ITEM NO.	DKT/PLT ID	LER/SOURCE	EVENT DATE	TIME	PLT AREA	EXTENT/DUR(MIN)	PLT SYS	SMOKE CAUSE	INIT COMB	COMP EFFECT	TRAIN EFFECT	POWER LEVEL	POWER EFFECT	DETECT MEANS
187	70	NPRDS	09/17/91	Not Identif	Auxiliary Bldg	Light <5	RHR	Electrical Failure	Motor Operator Internals	RHR Inlet Valve	RHR (1)	0% Power	None	Plant Personnel
188	102	NPRDS	09/25/91	Not Identif	Turbine Bldg	Medium <60	Cond-FW	Overhtd Material	Piping Insul	FW Pump	None	100% Power	None	Plant Personnel
189	51	NPRDS	09/27/91	1650	Switchgr Room	Light <5	CVCS	Electrical Failure	Circ Brkr Clos Coil	Charging Pump	None	0% Power	None	Plant Personnel
190	40	NPRDS	10/11/91	Not Identif	Auxiliary Bldg	Light <5	CVCS	Overhtd Material	Gear Box Oil	Charging Pump	CVCS (1)	0% Power	None	Plant Personnel
191	2	NPRDS	10/17/91	1418	Turbine Bldg	Light <20	Cond	Electrical Failure	Mot Surg Capacitor	Cond Pump	Cond (1)	100% Power	Reduced Power	Plant Personnel
192	4	NPRDS	10/21/91	2015	Turbine Bldg	Light <20	Turb-Gen	Electrical Failure	Circ Brkr Contacts	T-G Generatr	T-G	Power Operation	Power Reduced	Plant Personnel
193	424	91008	10/23/91	1110	Auxiliary Bldg	Light 15	RMS	Electrical Failure	Xformer Internals	RMS Xformer	None	0% Power	None	Plant Personnel
194	26	NPRDS	11/06/91	Not Identif	Reactor Bldg	Light <30	RBCC	Electrical Failure	Panel Wiring	Drywell Chiller	RBCC (1)	0% Power	None	Plant Personnel
195	54	NPRDS	11/08/91	0056	Auxiliary Bldg	Medium <30	Plt AC Power	Electrical Failure	Power Cable	AC Pwr Bus	Plt AC Pwr Dist (1)	100% Power	Power Reduced	Plant Personnel
196	99	NPRDS	11/18/91	Not Identif	Turbine Bldg	Light <60	FW	Electrical Failure	Circ Brkr Coil	FW Reg Isol Vlv	None	Power Operation	None	Plant Personnel
197	54	NPRDS	11/19/91	Not Identif	Auxiliary Bldg	Light <20	CAR	Personnl Error	Extens Cord	CAR Cooling Fan	CAR (1)	0% Power	None	Plant Personnel
198	37	NPRDS	11/27/91	Not Identif	Reactor Bldg	Light <5	RPS	Electrical Failure	Voltage Regulatr Internals	IRM Voltage Regulatr	RPS (1)	Power Operation	None	Plant Personnel
199	37	NPRDS	12/02/91	1100	Reactor Bldg	Light <20	SLC	Overhtd Material	Circ Brkr Internals	SLC Pmp Fan	None	0% Power	None	Plant Personnel
200	11	NPRDS	01/02/92	2230	Switch Yard	Light <30	Plt AC Power	Electrical Failure	Fan Mot Insul	Unit Aux Xformer	None	100% Power	None	Failure Alarm

APPENDIX C – TABLE C-1 (CONTINUED)
SMOKE EVENTS DATA — 1986–1999

ITEM NO.	DKT/ PLT ID	LER/ SOURCE	EVENT DATE	TIME	PLT AREA	EXTENT/ DUR(MIN)	PLT SYS	SMOKE CAUSE	INIT COMB	COMP EFFECT	TRAIN EFFECT	POWER LEVEL	POWER EFFECT	DETECT MEANS
201	65	NPRDS	01/11/92	0230	Diesel Gen Bldg	Light <20	EDG	Overhtd Material	Drive Belt	EDG Air Comprsr	None	0% Power	None	Annunc Alarm
202	325	92002	01/17/92	0215	Control Room	Light <5	None	Overhtd Material	Food (Cookng)	None	None	100% Power	None	Fire Alarm
203	71	NPRDS	03/17/92	Not Identif	Auxiliary Bldg	Light <5	CRD	Electrical Failure	Voltage Regulatr Internals	MG Set Pump	CRD (1)	0% Power	None	Plant Personnel
204	352	92004	03/21/92	Not Identif	Reactor Bldg	Light <10	Reactor Bldg HVAC	Electrical Failure	Circ Brkr Trip Coil	HVAC Pwr Sup Circ Brkr	Reactor Bldg HVAC (1)	0% Power	None	Plant Personnel
205	104	NPRDS	04/10/92	2144	Auxiliary Bldg	Light <10	AFW	Electrical Failure	Motor Operator Internals	AFW Swapovr Valve	AFW (1)	0% Power	None	Plant Personnel
206	46	NPRDS	04/21/92	Not Identif	Diesel Gen Bldg	Light <60	EDG	Electrical Failure	Circ Brkr Contacts	Bypass LO Pump	EDG (1)	95% Power	None	Plant Personnel
207	26	NPRDS	05/22/92	Not Identif	Reactor Bldg	Light <5	RHR	Electrical Failure	Motor Stator Coil	RHR Pump	RHR (1)	100% Power	None	Plant Personnel
208	91	NPRDS	06/02/92	0600	Turbine Bldg	Light <10	Cond	Electrical Failure	Motor Operator Internals	Cond Demin Isol Vlv	None	0% Power	None	Plant Personnel
209	2	NPRDS	06/10/92	2100	Auxiliary Bldg	Light <60	AFW	Electrical Failure	Panel Internals	TurbDriv Pump	None	100% Power	None	Plant Personnel
210	387	92010	06/13/92	1100	Other Bldg (Offgas Recombr)	Light >120	Offgas Recombr	Overhtd Material	Charcoal	Charcoal Guard Bed	None	2% Power	None	Temperature Detector
211	59	NPRDS	06/29/92	1345	Auxiliary Bldg	Light <5	Plt DC Power	Electrical Failure	Rectifier Internals	Battery Charger	None	100% Power	None	Plant Personnel
212	80	NPRDS	06/29/92	0600	Diesel Gen Bldg	Light <20	EDG	Overhtd Material	Lube Oil	EDG Air Comprsr	None	100% Power	None	Fire Suppr Alarm
213	39	NPRDS	06/30/92	2038	Auxiliary Bldg	Light <60	CCW	Electrical Failure	Limit Sw Internals	CCW Isol Vlv	None	0% Power	None	Plant Personnel
214	39	NPRDS	07/12/92	1854	Turbine Bldg	Light <30	Cond	Overhtd Material	Pump Packing	Cond Pump	Cond (1)	0% Power	None	Annunc Alarm

APPENDIX C – TABLE C-1 (CONTINUED)
SMOKE EVENTS DATA — 1986–1999

ITEM NO.	DKT/ PLT ID	LER/ SOURCE	EVENT DATE	TIME	PLT AREA	EXTENT/ DUR(MIN)	PLT SYS	SMOKE CAUSE	INIT COMB	COMP EFFECT	TRAIN EFFECT	POWER LEVEL	POWER EFFECT	DETECT MEANS
215	33	NPRDS	07/25/92	0152	Switch Yard	Light <20	Plt AC Power	Overhtd Material	Bus Insul	Unit Aux Xformer	None	100% Power	None	Fire Alarm
216	46	NPRDS	07/28/92	0241	Diesel Gen Bldg	Light <5	EDG	Electrical Failure	Motor Insul	EDG Jkt Wtr Pmp	EDG (1)	0% Power	None	Plant Personnel
217	5	NPRDS	08/14/92	Not Identif	Reactor Bldg	Light <5	HPCI	Electrical Failure	Circ Brkr Internals	Aux Oil Pump	HPCI	Power Operation	None	Plant Personnel
218	104	NPRDS	08/20/92	0700	Turbine Bldg	Light <20	ESFAS	Electrical Failure	Pwr Sup Internals	Card Rck Pwr Sup	None	100% Power	None	Audio Alarm
219	17	NPRDS	08/21/92	Not Identif	Contmnt	Light <10	Contmnt HVAC	Electrical Failure	Fan Relay	Drywell Cool Fan	None	100% Power	None	Plant Personnel
220	86	NPRDS	08/28/92	1723	Turbine Bldg	Light <5	Turb-Gen	Overhtd Material	Rotor Friction	T-G Generatr	T-G	10% Power	Power Reduced	Plant Personnel
221	46	NPRDS	08/31/92	Not Identif	Diesel Gen Bldg	Light <60	EDG	Electrical Failure	Motor Insul	Bypass LO Pump	EDG (1)	0% Power	None	Plant Personnel
222	78	NPRDS	09/03/92	Not Identif	Turbine Bldg	Light <60	Cond-FW	Electrical Failure	Circ Brkr Contacts	FW Stop Valve	Cond-FW (1)	0% Power	None	Plant Personnel
223	85	NPRDS	09/25/92	Not Identif	Serv Wtr Pumphse	Light <5	NSW	Electrical Failure	Circ Brkr Clos Coil	NSW Booster Pump	NS'W (1)	0% Power	None	Plant Personnel
224	46	NPRDS	10/05/92	Not Identif	Turbine Bldg	Light <20	Cond	Electrical Failure	Motor Operator Internals	Cond Shutoff Valve	Cond (1)	0% Power	None	Plant Personnel
225	11	NPRDS	10/17/92	2014	Auxiliary Bldg	Light <5	Plt DC Power	Electrical Failure	Batt Chgr Internals	Battery Charger	None	0% Power	None	Plant Personnel
226	324	92009	10/30/92	1130	Diesel Gen Bldg	Medium > 8 Hours	None	Welding	Welding Material	None	None	0% Power	None	Smoke Detector
227	34	NPRDS	10/31/92	Not Identif	Reactor Bldg	Light <60	Plt AC Power	Electrical Failure	Circ Brkr Trip Coil	Battery Charger	None	0% Power	None	Plant Personnel
228	296	92004	11/04/92	1900	Reactor Bldg	Heavy (Evac) >60	None	Xotherm Chemical Reaction	Epoxy Grout Compnd	None	None	0% Power	None	Plant Personnel

APPENDIX C – TABLE C-1 (CONTINUED)
SMOKE EVENTS DATA — 1986-1999

ITEM NO.	DKT/ PLT ID	LER/ SOURCE	EVENT DATE	TIME	PLT AREA	EXTENT/ DUR(MIN)	PLT SYS	SMOKE CAUSE	INIT COMB	COMP EFFECT	TRAIN EFFECT	POWER LEVEL	POWER EFFECT	DETECT MEANS
229	86	NPRDS	11/04/92	1006	Control Room	Light <5	RPS	Electrical Failure	Contactr Internals	RPSDiv I Contactr	RPS	100% Power	Power Reduct /SCRAM	Plant Personnel
230	105	NPRDS	11/09/92	1025	Auxiliary Bldg	Light <5	HPSI	Electrical Failure	Motor Operator Internals	Hot Leg Isol Vlv	HPSI (1)	0% Power	None	Plant Personnel
231	29	NPRDS	11/21/92	Not Identif	Auxiliary Bldg	Light <20	HPCI	Overhtd Material	Pump Seal	SI Recirc Pump	None	Power Operation	None	Plant Personnel
232	41	NPRDS	12/10/92	Not Identif	Auxiliary Bldg	Light <5	CVCS	Overhtd Material	Vari-Drive Belt	Charging Pump	CVCS (1)	100% Power	None	Plant Personnel
233	16	NPRDS	12/16/92	Not Identif	Serv Wtr Pumpchse	Light <60	NSW	Electrical Failure	Circ Brkr Trip Coil	NSW Pump	NSW (1)	100% Power	None	Plant Personnel
234	60	NPRDS	12/19/92	1420	Control Room	Light <10	Instr AC Power	Electrical Failure	Pwr Sup Internals	Annunc Pwr Sup	None	100% Power	None	Plant Personnel
235	71	NPRDS	01/04/93	Not Identif	Auxiliary Bldg	Light <5	CVCS	Overhtd Material	Motor Internals	Charging Pump	None	100% Power	None	Plant Personnel
236	20	NPRDS	01/08/93	1630	Auxiliary Bldg	Light <30	Instr AC Power	Electrical Failure	Inverter Internals	Batt Chgr Inverter	None	Power Operation	None	Plant Personnel
237	6	NPRDS	01/14/93	1440	Auxiliary Bldg	Medium <30	CVCS	Overhtd Material	Vari-Drive Belt	Charging Pump	CVCS (1)	98% Power	None	Fire Alarm
238	4	NPRDS	02/07/93	Not Identif	Reactor Bldg	Light <20	RPS	Overhtd Material	Bearing Lube	RPS MG Set	RPS (1)	Power Operation	None	Fire Alarm
239	106	NPRDS	02/09/93	2236	Turbine Bldg	Light <20	Cond	Overhtd Material	Motor Bearing Oil	Cond Booster Pump	Cond (1)	0% Power	None	Bearing Temperature Alarm
240	106	NPRDS	02/10/93	0015	Auxiliary Bldg	Light <5	RHR	Electrical Failure	Motor Operator Internals	Cold Leg Isolation Valve	RHR (1)	0% Power	None	Plant Personnel
241	31	NPRDS	02/11/93	Not Identif	Auxiliary Bldg	Medium <30	Plt DC Power	Electrical Failure	Electrical Contacts	Battery Cell Bank	None	100% Power	None	Plant Personnel
242	52	NPRDS	03/03/93	Not Identif	Reactor Bldg	Light <5	HPSI	Overhtd Material	Pump Packing	Hot Leg Isol Vlv	HPSI (1)	0% Power	None	Plant Personnel

APPENDIX C – TABLE C-1 (CONTINUED)
SMOKE EVENTS DATA — 1986–1999

ITEM NO.	DKT/ PLT ID	LER/ SOURCE	EVENT DATE	TIME	PLT AREA	EXTENT/ DUR(MIN)	PLT SYS	SMOKE CAUSE	INIT COMB	COMP EFFECT	TRAIN EFFECT	POWER LEVEL	POWER EFFECT	DETECT MEANS
243	31	NPRDS	03/11/93	Not Identif	Auxiliary Bldg	Light <5	Instr AC Power	Electrical Failure	Voltmetr Internals	Static Inverter	None	0% Power	None	Plant Personnel
244	8	NPRDS	03/12/93	Not Identif	Diesel Gen Bldg	Light <5	EDG	Electrical Failure	Xformer Internals	EDG FO Xfer Pmp	None	0% Power	None	Plant Personnel
245	109	NPRDS	03/14/93	1813	Diesel Gen Bldg	Light <5	EDG	Electrical Failure	Circ Brkr Rectifier	EDG DC Cntl Pnl	EDG (1)	100% Power	None	Fire Alarm
246	24	NPRDS	03/16/93	Not Identif	Auxiliary Bldg	Light <5	RPS	Electrical Failure	Pwr Sup Internals	480vac Pwr Sup	None	0% Power	None	Plant Personnel
247	99	NPRDS	03/18/93	Not Identif	Auxiliary Bldg	Light <60	Contmnt HVAC	Electrical Failure	Circ Brkr Coil	Contmnt Cool Fan	None	100% Power	None	Plant Personnel
248	89	NPRDS	03/23/93	Not Identif	Auxiliary Bldg	Light <60	HPSI	Overhtd Material	Motor Bearing Oil	HPSI Pump	HPSI (1)	0% Power	None	Plant Personnel
249	4	NPRDS	03/27/93	2055	Control Room	Light <5	RPS	Electrical Failure	Pwr Sup Resistor	IRM Pwr Supply	None	0% Power	None	Annunc Alarm
250	54	NPRDS	03/31/93	Not Identif	Switchgr Room	Light <5	CVCS	Electrical Failure	Circ Brkr Internals	Charging Pump	None	0% Power	None	Plant Personnel
251	60	NPRDS	04/22/93	Not Identif	Auxiliary Bldg	Light <5	RMS	Electrical Failure	Motor Internals	RMS Sample Fan	RMS (1)	100% Power	None	Plant Personnel
252	327	93013	05/14/93	1315	Other Bldg	Heavy (Evac)140	Not Identified	Welding	Welding Material	Not Identified	Not Identified	0% Power	None	Fire Alarm
253	15	NPRDS	05/24/93	0820	Turbine Bldg	Light <5	Cond-FW	Electrical Failure	Circ Brkr Internals	Drain Cooler Isol Vlv	None	0% Power	None	Plant Personnel
254	75	NPRDS	05/25/93	Not Identif	Auxiliary Bldg	Light <5	CVCS	Overhtd Material	Pump Seal	Charging Pump	CVCS (1)	0% Power	None	Plant Personnel
255	45	NPRDS	06/02/93	1513	Auxiliary Bldg	Light <10	Instr AC Power	Electrical Failure	Xformer Internals	Static Inverter	None	Power Operation	None	Audio/Visual Alarm
256	108	NPRDS	06/16/93	0055	Turbine Bldg	Light <5	FW	Electrical Failure	Cntl Pnl Internals	FW Turb Driv Pmp	None	0% Power	None	Plant Personnel

APPENDIX C – TABLE C-1 (CONTINUED)
SMOKE EVENTS DATA — 1986–1999

ITEM NO.	DKT/ PLT ID	LER/ SOURCE	EVENT DATE	TIME	PLT AREA	EXTENT/ DUR(MIN)	PLT SYS	SMOKE CAUSE	INIT COMB	COMP EFFECT	TRAIN EFFECT	POWER LEVEL	POWER EFFECT	DETECT MEANS
257	96	NPRDS	06/26/93	Not Identif	Switchgr Room	Light <20	RCS	Electrical Failure	Pwr Cntr Internals	Presszr Heater	None	0% Power	None	Plant Personnel
258	29	NPRDS	07/15/93	0158	Auxiliary Bldg	Light <10	CVCS	Electrical Failure	Motor Leads	Charging Pump	CVCS (1)	100% Power	None	Pump Overflow Trip
259	42	NPRDS	07/19/93	1600	Auxiliary Bldg	Light <5	RPS	Electrical Failure	Relay Coil	IRM Relay	None	Power Operation	None	Plant Personnel
260	32	NPRDS	07/24/93	Not Identif	Auxiliary Bldg	Light <60	Plt DC Power	Electrical Failure	Surge Suppr Internals	Battery Charger	None	Power Operation	None	Plant Personnel
261	58	NPRDS	08/13/93	Not Identif	Auxiliary Bldg	Light <30	RMS	Overhtd Material	Sample Pump Internals	RMS Sample Pump	RMS (1)	Power Operation	None	Smoke Alarm
262	29	NPRDS	08/15/93	2154	Turbine Bldg	Light <5	FW	Electrical Failure	Motor Stator	FW Pump	None	50% Power	None	Plant Personnel
263	82	NPRDS	08/21/93	1331	Auxiliary Bldg	Light <60	Instr AC Power	Electrical Failure	Inverter Capacitr	Inverter	None	100% Power	None	Plant Personnel
264	46	NPRDS	09/11/93	0410	Turbine Bldg	Light <60	FW	Overhtd Material	Lube Oil	FW LO Pump	FW (1)	100% Power	Reduced Power	Plant Personnel
265	111	NPRDS	09/13/93	0330	Auxiliary Bldg	Light <20	Instr AC Power	Electrical Failure	Capacitr Internals	7.5kVA Inverter	None	100% Power	None	Plant Personnel
266	76	NPRDS	10/05/93	Not Identif	Diesel Gen Bldg	Light <5	EDG	Overhtd Material	Fuel Oil	EDG Engine	EDG (1)	0% Power	None	Plant Personnel
267	36	NPRDS	10/28/93	0100	Turbine Bldg	Light <5	Plt AC Power	Electrical Failure	Circ Brkr Test Button	Alt Feed Circ Brkr	None	0% Power	None	Plant Personnel
268	92	NPRDS	11/10/93	0845	Auxiliary Bldg	Light <60	Instr AC Power	Electrical Failure	Xlormer Internals	480VAC Xlormer	None	Power Operation	None	Plant Personnel
269	96	NPRDS	11/13/93	2200	Auxiliary Bldg	Light <30	Instr AC Power	Electrical Failure	Capacitr Internals	7.5kVA Inverter	None	0% Power	None	Annunc Alarm
270	48	NPRDS	11/24/93	Not Identif	Switchgr Room	Light <10	CCW	Electrical Failure	Circ Brkr Internals	CCW Pump	CCW (1)	100% Power	None	Plant Personnel

APPENDIX C – TABLE C-1 (CONTINUED)
SMOKE EVENTS DATA — 1986–1999

ITEM NO.	DKT/ PLT ID	LER/ SOURCE	EVENT DATE	TIME	PLT AREA	EXTENT/ DUR(MIN)	PLT SYS	SMOKE CAUSE	INIT COMB	COMP EFFECT	TRAIN EFFECT	POWER LEVEL	POWER EFFECT	DETECT MEANS
271	86	NPRDS	12/19/93	1350	Reactor Bldg	Light <10	Plt DC Power	Electrical Failure	Batt Chgr Firing Board	Battery Charger	None	100% Power	None	Plant Personnel
272	52	NPRDS	02/01/94	Not Identif	Diesel Gen Bldg	Light <60	EDG	Overhtd Material	Motor Winding	EDG Jacket Wtr Pmp	EDG (1)	100% Power	None	Plant Personnel
273	16	NPRDS	02/04/94	2310	Serv Wtr Pumpshse	Light <5	NSW	Overhtd Material	Pump Packing	NSW Pump	NSW (1)	0% Power	None	Plant Personnel
274	41	NPRDS	02/08/94	2100	Auxiliary Bldg	Light <5	CVCS	Overhtd Material	Vari-Drive Belt	Charging Pump	CVCS (1)	100% Power	None	Plant Personnel
275	16	NPRDS	02/12/94	Not Identif	Diesel Gen Bldg	Light <5	EDG	Overhtd Material	Fuel Oil	EDG Engine	EDG (1)	25% Power	None	Plant Personnel
276	78	NPRDS	02/23/94	Not Identif	Reactor Bldg	Light <60	RPS	Electrical Failure	Relay Material	RPS MG Set	RPS (1)	Power Operation	None	Plant Personnel
277	269	94002	02/26/94	0657	Turbine Bldg	Light <10	Plt AC Power	Electrical Failure	Pwr Sup Internals	ICS Pwr Supply	Plt AC Power Dist	100% Power	Turb Trip, React Trip	Plant Personnel
278	69	NPRDS	03/05/94	Not Identif	Switchgr Room	Light <10	RR	Electrical Failure	Circ Brkr Trip Coil	RR Pump	None	0% Power	None	Plant Personnel
279	47	NPRDS	03/07/94	Not Identif	Auxiliary Bldg	Light <60	Ice Cond	Electrical Failure	Motor Internals	Ice Cond Chiller	Ice Cond (1)	0% Power	None	Plant Personnel
280	52	NPRDS	03/10/94	Not Identif	Reactor Bldg	Light <60	CRD	Overhtd Material	Bearing Lube	CRD Pump	CRD (1)	Power Operation	None	Plant Personnel
281	95	NPRDS	04/21/94	2245	Switchgr Room	Medium <30	Plt AC Power	Electrical Failure	Xformer Internals	13.8kV Xformer	None	0% Power	None	Fire Alarm
282	80	NPRDS	05/05/94	Not Identif	Diesel Gen Bldg	Light <30	EDG	Overhtd Material	Exhaust Line Insul	EDG Engine	EDG (1)	100% Power	None	Plant Personnel
283	60	NPRDS	05/16/94	0525	Reactor Bldg	Light <10	RPS	Electrical Failure	Contactr Internals	IRM Aux Contactr	RPS (1)	0% Power	None	Plant personnel
284	40	NPRDS	06/16/94	Not Identif	Diesel Gen Bldg	Light <5	EDG	Overhtd Material	Fuel Oil	EDG Turbo-Charger	EDG (1)	100% Power	None	Plant Personnel

APPENDIX C – TABLE C-1 (CONTINUED)
SMOKE EVENTS DATA — 1986-1999

ITEM NO.	DKT/ PLT ID	LER/ SOURCE	EVENT DATE	TIME	PLT AREA	EXTENT/ DUR(MIN)	PLT SYS	SMOKE CAUSE	INIT COMB	COMP EFFECT	TRAIN EFFECT	POWER LEVEL	POWER EFFECT	DETECT MEANS
285	52	NPRDS	07/03/94	Not Identif	Turbine Bldg	Light <60	Cond-FW	Overhtd Material	Excess Friction	Cond Booster Pump	None	60% Power	None	Plant Personnel
286	65	NPRDS	07/13/94	Not Identif	Diesel Gen Bldg	Light <20	EDG	Overhtd Material	Comprsr Drive Belt	EDG Air Comprsr	None	100% Power	None	Fire Alarm
287	70	NPRDS	07/17/94	0602	Auxiliary Bldg	Light <10	CRD	Electrical Failure	Pwr Sup Internals	CRD Pwr Supply	CRD (1)	100% Power	None	Plant Personnel
288	68	NPRDS	09/11/94	2200	Turbine Bldg	Light <20	Plt AC Power	Electrical Failure	Xformer Insul	Load Center Power Xformer	None	85% Power	None	Plant Personnel
289	111	NPRDS	09/28/94	1905	Turbine Bldg	Light <20	FW	Overhtd Material	Bearing Lube Oil	FW Pump	FW (1)	100% Power	Power Reduced	Fire Alarm
290	53	NPRDS	09/26/94	Not Identif	Reactor Bldg	Light <60	Combust Gas	Electrical Failure	Motor Internals	H2/O2 Analyzr	None	Power Operation	None	Plant Personnel
291	53	NPRDS	12/20/94	Not Identif	Auxiliary Bldg	Medium <30	RPS	Electrical Failure	Diode Bridge Rectifier	RPS IRM Xformer	RPS (1)	47% Power	None	Plant Personnel
292	7	NPRDS	01/14/95	1600	Auxiliary Bldg	Light <10	Instr AC Power	Electrical Failure	Inverter Circ Brd	UPS Inverter	Instr AC Pwr Dist (1)	100% Power	None	Annunciator Alarm
293	11	NPRDS	01/18/95	1430	Turbine Bldg	Light <10	Cond	Overhtd Material	Motor Bearing	Cond Pump	None	Power Operation	None	Plant Personnel
294	48	NPRDS	01/18/95	2140	Diesel Gen Bldg	Light <10	EDG	Overhtd Material	Fuel Oil	EDG Engine	EDG (1)	100% Power	None	Plant Personnel
295	31	NPRDS	01/19/95	0100	Serv Wtr Pumpchse	Light <30	NSW	Electrical Failure	Circ Brkr Trip Coil	NSW Pump	NSW (1)	0% Power	None	Plant Personnel
296	74	NPRDS	01/19/95	2030	Auxiliary Bldg	Light <10	RHR	Electrical Failure	Motor Operator Internals	RHR Disch Isol Vlv	None	0% Power	None	Plant Personnel
297	108	NPRDS	02/08/95	1900	Diesel Gen Bldg	Light <10	EDG	Electrical Failure	Circ Brkr Internals	EDG FO Pump	None	0% Power	None	Plant Personnel

APPENDIX C – TABLE C-1 (CONTINUED)
SMOKE EVENTS DATA — 1986–1999

ITEM NO.	DKT/ PLT ID	LER/ SOURCE	EVENT DATE	TIME	PLT AREA	EXTENT/ DUR(MIN)	PLT SYS	SMOKE CAUSE	INIT COMB	COMP EFFECT	TRAIN EFFECT	POWER LEVEL	POWER EFFECT	DETECT MEANS
298	23	NPRDS	02/12/95	2200	Switchgr Room	Light <5	CS	Electrical Failure	Circ Brkr Internals	CS Pump	CS (1)	0% Power	None	Plant Personnel
299	31	NPRDS	02/20/95	0300	Auxiliary Bldg	Light <5	HPSI	Overhtd Material	Pump Seal	HPSI Pump	HPSI (1)	0% Power	None	Plant Personnel
300	82	NPRDS	02/24/95	1551	Turbine Bldg	Light <5	FW	Electrical Failure	Motor Leads	FW Pump	FW (1)	0% Power (Startup)	None	Plant Personnel
301	21	NPRDS	03/06/95	0548	Auxiliary Bldg	Light <20	CCW	Overhtd Material	Motor Bearing	CCW Pump	CCW (1)	100% Power	None	Smoke Detector
302	84	NPRDS	03/07/95	1200	Control Room	Light <10	RPS	Electrical Failure	Pwr Sup Card	IRM Pwr Supply	RPS (1)	Power Operation	None	Control Room Observer
303	40	NPRDS	03/08/95	1200	Diesel Gen Bldg	Light <5	EDG	Overhtd Material	Cylinder Exhaust Cam	EDG Engine	EDG (1)	0% Power	None	Plant Personnel
304	108	NPRDS	03/08/95	2130	Reactor Bldg	Light <5	RHR	Electrical Failure	Circ Brkr Trip Coil	SDS Cntmnt Isol Vlv	None	0% Power	None	Plant Personnel
305	52	NPRDS	03/13/95	1643	Control Room	Light <5	RPS	Electrical Failure	Pwr Sup Resistor	IRM Pwr Supply	RPS (1)	Power Operation	None	Control Room Observer
306	41	NPRDS	03/16/95	0800	Switchgr Room	Light <10	HPSI	Electrical Failure	Circ Brkr Internals	HPSI Pump	None	90% Power	None	Plant Personnel
307	96	NPRDS	03/19/95	0718	Auxiliary Bldg	Light <10	Instr AC Power	Electrical Failure	Inverter Resistor	10KVA Inverter	None	0% Power	None	Plant Personnel
308	108	NPRDS	03/21/95	0229	Auxiliary Bldg	Light <10	RCS	Electrical Failure	Motor Insul Boards	Reactor Coolant Pump	None	0% Power	None	Plant Personnel
309	4	NPRDS	03/30/95	0745	Diesel Gen Bldg	Light <10	EDG	Overhtd Material	Exhaust Manifold	EDG Engine	EDG (1)	0% Power	None	Plant Personnel
310	102	NPRDS	03/31/95	1200	Diesel Gen Bldg	Light <20	EDG	Overhtd Material	Bearing Oil	EDG Engine	EDG (1)	0% Power	None	Plant Personnel
311	4	NPRDS	04/01/95	1140	Switchgr Room	Light <10	RR	Overhtd Material	MG Set Internals	RR Pmp MG Set	RR (1))	0% Power	None	Plant Personnel

APPENDIX C – TABLE C-1 (CONTINUED)
SMOKE EVENTS DATA — 1986-1999

ITEM NO.	DKT/ PLT ID	LER/ SOURCE	EVENT DATE	TIME	PLT AREA	EXTENT/ DUR(MIN)	PLT SYS	SMOKE CAUSE	INIT COMB	COMP EFFECT	TRAIN EFFECT	POWER LEVEL	POWER EFFECT	DETECT MEANS
312	78	NPRDS	04/19/95	1200	Reactor Bldg	Light <20	CRD	Overhtd Material	Bearing Oil	CRD Sup Pump	CRD (1)	0% Power	None	Fire Alarm
313	73	NPRDS	05/19/95	1200	Reactor Bldg	Light <20	RHR	Electrical Failure	Motor Operator Internals	RHR Dischg Isol Vlv	RHR (1)	Power Operation	None	Plant Personnel
314	40	NPRDS	08/13/95	0930	Turbine Bldg	Light <5	MS	Electrical Failure	Circ Brkr Internals	MSIV Drain Vlv	None	100% Power	None	Plant Personnel
315	65	NPRDS	08/14/95	0800	Diesel Gen Bldg	Light <60	EDG	Overhtd Material	Air Comprsr Belt	EDG Air Comprsr	None	100% Power	None	Plant Personnel
316	6	NPRDS	09/04/95	1014	Auxiliary Bldg	Light <30	Plt DC Power	Electrical Failure	Batt Chgr Internals	Battery Charger	None	97% Power	None	Fire Alarm
317	37	NPRDS	09/14/95	1200	Reactor Bldg	Light <30	Plt DC Power	Electrical Failure	Batt Chgr Internals	Battery Charger	None	Power Operation	None	Plant Personnel
318	89	NPRDS	09/15/95	1200	Auxiliary Bldg	Light <10	Ice Cond	Electrical Failure	Motor Winding	Ice Cond Chiller	Ice Cond (1)	100% Power	None	Plant Personnel
319	76	NPRDS	09/27/95	1200	Control Room	Light <5	RPS	Electrical Failure	Xformer Internals	RPS IRM Xformer	RPS (1)	100% Power	None	Control Room Observer
320	104	NPRDS	10/24/95	1120	Auxiliary Bldg	Light <5	NSW	Electrical Failure	Motor Operator Internals	NSW Ret Hdr Isol Vlv	None	100% Power	None	Plant Personnel
321	36	NPRDS	11/14/95	0006	Diesel Gen Bldg	Heavy <60	EDG	Electrical Failure	Circ Brkr Coil	EDG Air Comprsr	None	50% Power	None	Plant Personnel
322	99	NPRDS	12/03/95	1200	Turbine Bldg	Light <20	FW	Electrical Failure	Motor Operator Internals	FW Pmp Dischg Valve	None	0% Power	None	Plant Personnel
323	87	NPRDS	12/18/95	1200	Switch Yard	Light <30	Plt AC Power	Electrical Failure	Xformer Insul	Substain Xformer	Plt AC Pwr Dist (1)	Power Operation	None	Audio/Visual Alarm
324	111	NPRDS	01/10/96	1404	Auxiliary Bldg	Light <10	Instr AC Power	Electrical Failure	Inverter Logic Card	Instr Pwr Supply Inverter	None	100% Power	None	Annunc Alarm
325	93	NPRDS	01/13/96	1622	Auxiliary Bldg	Light <20	Instr AC Power	Electrical Failure	Inverter Xformer	Instr Pwr Supply Inverter	None	100% Power	None	Undervoltage Alarm

APPENDIX C – TABLE C-1 (CONTINUED)
SMOKE EVENTS DATA — 1986-1999

ITEM NO.	DKT/ PLT ID	LER/ SOURCE	EVENT DATE	TIME	PLT AREA	EXTENT/ DUR(MIN)	PLT SYS	SMOKE CAUSE	INIT COMB	COMP EFFECT	TRAIN EFFECT	POWER LEVEL	POWER EFFECT	DETECT MEANS
326	101	NPRDS	01/29/96	1330	Diesel Gen Bldg	Light <10	EDG	Electrical Failure	Relay Coil	EDG Exciter	EDG (1)	0% Power	None	Plant Personnel
327	76	NPRDS	02/18/96	1200	Auxiliary Bldg	Light <5	CCW	Overhtd Material	Bearing Oil	CCW Pump	CCW (1)	100% Power	None	Plant Personnel
328	47	NPRDS	03/28/96	0227	Auxiliary Bldg	Light <5	Plt AC Power	Electrical Failure	Batt Chgr Capacitor	Battery Charger	None	0% Power	None	Fire Alarm
329	75	NPRDS	04/26/96	1200	Turbine Bldg	Light <10	Cond	Overhtd Material	Pump Seal	Cond Pump	None	100% Power	None	Plant Personnel
330	88	NPRDS	05/10/96	1551	Turbine Bldg	Light <10	Cond	Overhtd Material	Motor Bearing	Cond Pump	None	100% Power	None	Plant Personnel
331	70	NPRDS	05/23/96	1340	Turbine Bldg	Light <20	AFW	Overhtd Material	Pump Packing	AFW Pump	None	100% Power	None	Plant Personnel
332	30	NPRDS	05/25/96	1337	Turbine Bldg	Light <20	Cond	Overhtd Material	Motor Bearing	Cond Pump	None	100% Power	None	High Temp Alarm
333	94	NPRDS	06/02/96	1015	Reactor Bldg	Light <5	Plt AC Power	Electrical Failure	Xlformer Internals	Load Center Xlformer	None	0% Power	None	High Temperature Alarm
334	48	NPRDS	06/21/96	1703	Auxiliary Bldg	Light <10	CRD	Electrical Failure	Motor Winding	CRD MG Sey	CR. (1)	0% Power	None	Plant Personnel
335	49	NPRDS	07/14/96	0020	Switchgr Room	Light <10	CVCS	Electrical Failure	Circ Brkr Trip Coil	Charging Pump	None	100% Power	None	Plant Personnel
336	87	NPRDS	08/20/96	1200	Diesel Gen Bldg	Light <10	EDG	Overhtd Material	Air Comprsr Internals	EDG Air Comprsr	None	Power Operation	None	Plant Personnel
337	89	NPRDS	09/18/96	1200	Auxiliary Bldg	Light <10	Ice Cond	Electrical Failure	Circ Brkr Internals	Ice Cond Chiller	Ice Cond (1)	100% Power	None	Plant Personnel
338	66	NPRDS	10/10/96	1110	Switchgr Room	Light <10	RCS	Electrical Failure	Circ Brkr Trip Coil	Presszr Backup Heater	None	100% Power	None	DC Ground Alarm
339	53	NPRDS	11/10/96	1200	Switchgr Room	Light <10	RR	Electrical Failure	Circ Brkr Clos Coil	RR MG Set	None	0% Power	None	Plant Personnel

APPENDIX C – TABLE C-1 (CONTINUED)
SMOKE EVENTS DATA — 1986-1999

ITEM NO.	DKT/ PLT ID	LER/ SOURCE	EVENT DATE	TIME	PLT AREA	EXTENT/ DUR(MIN)	PLT SYS	SMOKE CAUSE	INIT COMB	COMP EFFECT	TRAIN EFFECT	POWER LEVEL	POWER EFFECT	DETECT MEANS
340	87	NPRDS	12/04/96	1200	Turbine Bldg	Light <20	Cond	Overhtd Material	Motor Bearing	Cond Pump	None	Power Operation	None	Plant Personnel
341	52	EPIX	03/15/97	Not Identif	Turbine Bldg	Light <20	Cond-FW	Overhtd Material	Motor Internals	Htr Drain Pump	Cond-FW (1)	100% Power	Power Reduced	Ground Alarm
342	61	EPIX	08/01/97	1330	Turbine Bldg	Light <20	HVAC	Overhtd Material	Motor Bearing	HVAC Chiller Pump	None	100% Power	None	Smoke Alarm
343	102	EPIX	07/22/97	1500	Switchgr Room	Light <10	Plt AC Power	Overhtd Material	Brkr Trip Relay	RHR Pmp Brkr Cubicle	None	0% Power	None	Plant Personnel
344	45	EPIX	09/30/97	1430	Turbine Bldg	Light <10	RMS	Electrical Failure	Pwr Sup Fuse	RMS Pwr Supply	None	100% Power	None	Radiation Detection Alarm
345	78	EPIX	10/14/97	Not Identif	Reactor Bldg	Medium <20	None	Overhtd Material	Sump Pump Internals	Tunnel Sump Pump	None	0% Power	None	Plant Personnel
346	37	EPIX	10/22/97	0430	Reactor Bldg	Light <10	RHR	Electrical Failure	Motor Winding	RHR Pump	None	100% Power	None	Plant Personnel
347	42	EPIX	01/24/98	Not Identif	Turbine Bldg	Light <10	FW	Electrical Failurer	Circ Brkr Contactr	FW Pump	None	0% Power	None	Plant Personnel
348	311	98005	02/11/98	1400	Diesel Gen Bldg	Light <10	EDG	Mech Failure	Turbo-Charger Internals	EDG Turbo-Charger	EDG (1)	100% Power	Manual Shutdown	Plant Personnel
349	86	EPIX	02/17/98	1500	Turbine Bldg	Light <20	Cond-FW	Overhtd Material	Motor Bearing	Cond Pump	Cond-FW (1)	100% Power	Power Reduced	Plant Personnel
350	13	EPIX	03/13/98	Not Identif	Auxiliary Bldg	Light <10	Plt DC Power	Overhtd Material	Circ Brkr Lug Cbl	Battery Charger	None	100% Power	None	Plant Personnel
351	20	EPIX	03/15/98	Not Identif	Turbine Bldg	Light <10	Instr Air	Overhtd Material	Suction Vlv Gskt	Backup Instr Air Comprsr	None	100% Power	None	Plant Personnel
352	52	EPIX	05/05/98	2113	Other Bldg	Light <30	Auxiliary Boiler	Overhtd Material	Pump Bearing	Aux Blr Fd Pump	None	100% Power	None	Plant Personnel
353	72	EPIX	05/11/98	Not Identif	Auxiliary Bldg	Light <20	RMS	Overhtd Material	Pump Drv Belt	Purge Pump	None	0% Power	None	Plant Personnel

APPENDIX C – TABLE C-1 (CONTINUED)
SMOKE EVENTS DATA — 1986–1999

ITEM NO.	DKT/ PLT ID	LER/ SOURCE	EVENT DATE	TIME	PLT AREA	EXTENT/ DUR(MIN)	PLT SYS	SMOKE CAUSE	INIT COMB	COMP EFFECT	TRAIN EFFECT	POWER LEVEL	POWER EFFECT	DETECT MEANS
354	53	EPIX	05/19/98	0600	Auxiliary Bldg	Light <5	CRD	Electrical Failure	Circ Brkr Internals	CRD Sup Pump	CRD (1)	100% Power	None	Plant Personnel
355	8	EPIX	05/29/97	0527	Auxiliary Bldg	Light <10	CCW	Electrical Failure	Motor Internals	CCW Pump	CCW (1)	0% Power	None	Plant Personnel
356	93	EPIX	06/09/98	1002	Turbine Bldg	Light <10	Cond	Electrical Failure	Motor Internals	Cond Pump	None	100% Power	None	Plant Persdnnel
357	30	EPIX	07/10/98	1030	Auxiliary Bldg	Light <5	Plt DC Power	Electrical Failure	Batt Chgr Diode	Battery Charger	None	100% Power	None	Plant Personnel
358	33	EPIX	07/31/98	Not Identif	Auxiliary Bldg	Light <10	ESFAS	Electrical Failure	Relay Coil	ESFAS Relay	None	100% Power	None	Plant Personnel
359	83	EPIX	09/03/98	Not Identif	Control Room	Light <2	RMS	Electrical Failure	Rad Monitor Internals	SG Blowdn Rad Mon	RMS (1)	100% Power	None	Plant Personnel
360	101	EPIX	09/21/98	0107	Reactor Bldg	Light <10	RPS	Electrical Failure	Relay Coil	RPS SCRAM Relay	None	100% Power	None	Plant Personnel
361	86	EPIX	10/02/98	0312	Turbine Bldg	Medium <20	Cond-FW	Overhtd Material	Motor Bearing	Htr Drain Pump	Cond-FW (1)	100% Power	Power Reduced	Fire Alarm
362	59	EPIX	10/29/98	1153	Auxiliary Bldg	Light <10	CVCS	Electrical Failure	Motor Lead	Charging Pump	CVCS (1)	100% Power	None	Plant Personnel
363	3	EPIX	11/02/98	1745	Diesel Gen Bldg	Light 20	EDG	Electrical Failure	Start Circ Coil	EDG Control Panel	EDG (1)	0% Power	None	Control Room Observer
364	102	EPIX	11/16/98	1500	Switchgr Room	Light <10	Plt AC Power	Electrical Failure	Shunt Trip Coil	Makeup Cond Pmp Cub	None	0% Power	None	Plant Personnel
365	102	EPIX	01/12/99	1720	Serv Wtr Pumphse	Light <5	NSW	Electrical Failure	Circ Brkr Trip Coil	NSW Pump	None	0% Power	None	Plant Personnel
366	102	EPIX	01/22/99	1630	Battery Room	Light <5	Plt DC Power	Overhtd Material	Battery Bus Bars	125VDC Battery	None	0% Power	None	Plant Personnel
367	73	EPIX	01/22/99	2045	Turbine Bldg	Heavy <10	Station Serv Air	Overhtd Material	Motor Bearing	Serv Air Comprsr	None	100% Power	None	Plant Personnel

APPENDIX C – TABLE C-1 (CONTINUED)
SMOKE EVENTS DATA — 1986-1999

ITEM NO.	DKT/ PLT ID	LER/ SOURCE	EVENT DATE	TIME	PLT AREA	EXTENT/ DUR(MIN)	PLT SYS	SMOKE CAUSE	INIT COMB	COMP EFFECT	TRAIN EFFECT	POWER LEVEL	POWER EFFECT	DETECT MEANS
368	69	EPIX	03/16/99	Not Identif	Switchgr Room	Light <5	RR	Electrical Failure	Circ Brkr Trip Coil	RR Circuit Breaker	None	0% Power	None	Plant Personnel
369	102	EPIX	03/28/99	1350	Reactor Bldg	Light <10	SLC	Electrical Failure	Circ Brkr Relay	SLC Pump	None	0% Power	None	Plant Personnel
370	67	EPIX	04/20/99	1830	Turbine Bldg	Light <20	Cond-FW	Electrical Failure	Circ Brkr Relay	Main Fd Pump	Cond-FW (1)	100% Power	SCRAM	Plant Personnel
371	66	EPIX	05/07/99	Not Identif	Auxiliary Bldg	Light <10	Plt DC Power	Electrical Failure	Batt Chgr Capacitor	Battery Charger	None	100% Power	None	Plant Personnel
372	72	EPIX	06/01/99	0200	Turbine Bldg	Medium <10	Chilled Water	Overhld Material	Motor Bearing	Turbine Bldg Chiller	None	100% Power	None	Plant Personnel
373	53	EPIX	07/01/99	0353	Serv Wtr Pumpse	Light <10	CWS	Overhld Material	Motor Internals	Screen Wash Pump	None	100% Power	None	Plant Personnel
374	102	EPIX	08/18/99	0526	Circ Wtr Fire Pumpse	Light (Evac - CO2) 28	Pumphse Vent	Overhld Material	Exhaust Fan Belt	Exhaust Fan	None	100% Power	None	CO 2 Alarm

APPENDIX C –TABLE C-2

ACRONYMS AND ABBREVIATIONS USED IN SMOKE EVENTS TABLE (1986–1999)

I. Column Headings

ITEM NO.	Item number
DKT/PLT ID	Docket number or coded plant identification number
LER/SOURCE	Licensee Event Report number or data source
EVENT DATE	Event date
TIME	Time of day
PLT AREA	Plant location (by location or building)
EXTENT/DUR(MIN)	Extent of fire and duration in minutes (except when hours are stipulated)
PLT SYS	Plant system
SMOKE CAUSE	Smoke cause
INIT COMB	Initiating combustible(s)
COMP EFFECT	Component effected
TRAIN EFFECT	Train Effected (if lost, system identifier and number of trains lost).
POWER LEVEL	Power level (0%, 100%, etc.)
POWER EFFECT	Power effect (e.g., 1.0ne, power reduced, SCRAM, etc.)
DETECT MEANS	Detection means

II Cells (alphabetical listing)

AFW	Auxiliary Feedwater system
Alt	Alternate
Alumin	Aluminum
Annunc	Annunciator
AHU	Air Handling Unit
Analyzr	Analyzer
APRM	Average Power Range Monitoring system
Aux	Auxiliary
Barr	Barrier
Batt Chgr	Battery Charger
Bldg	Building
Blr	Boiler
Brg	Bearing
Cable Spred Rm	Cable Spreading Room
Capacitr	Capacitor
CAR	Containment Air Recirculation system
Cbl	Cable
Circ	Circuit
Circ Brd	Circuit Board.
Circ Brkr	Circuit Breaker
Circ Wtr	Circulating Water
Contmnt	Containment
CRD	Control Rod Drive
CVCS	Chemical and Volume Control System
CCW	Component Cooling Water system
Coolr	Cooler
Clos	Close
Cntl Pnl	Control Panel
Compnd	Compound
Cond	Condensate
Cond-FW	Condensate-Feedwater system
Contactr	Contact
Combust	Combustible
Comprsr	Compressor
Condens	Condensate
Contl Rm	Control Room
CoolFan	Cooling Fan

APPENDIX C – TABLE C-2 (CONTINUED)
ACRONYMS AND ABBREVIATIONS USED IN SMOKE EVENTS TABLE (1986–1999)

II	<u>Cells (alphabetical listing) (Continued)</u>	
	CS	Containment Spray system
	Dilut	Dilution
	Disch	Discharge
	Displac	Displacement
	Div	Division
	Drv	Drive
	Dsch	Discharge
	EFSAS	Engineered Safety Features Actuation System
	EPIX	Equipment Information Exchange database
	Evac	Evacuation
	EDG	Emergency Diesel Generator system
	Exten	Extension
	Fd	Feedwater
	FO	Fuel Oil
	FW	Feedwater system
	GearRed	Gear Reducer
	Gen	Generator
	Generatr	Generator
	Gskt	Gasket
	Gld Strm	Gland Steam
	HI	High
	HPCI	High Pressure Coolant Injection system
	HPCS	High Pressure Core Spray system
	HPSI	High Pressure Safety Injection system
	HVAC	Heating, Ventilation, and Air Conditioning
	Ht Exchangr	Heat Exchanger
	Ht Trac	Heat Tracing
	Htr	Heater
	Hydrgrn Recomb	Hydrogen Recombiner
	Ice Cond	Ice Condenser
	ICS	Internal Communication System
	IRM	Intermediate Range Monitoring system
	Instr	Instrument
	Instrmnt	Instrument
	Isol	Isolation
	Insul	Insulation
	Jkt	Jacket
	LO	Low
	Lube	Lubrication
	LPCI	Low Pressure Coolant Injection system
	LPCS	Low Pressure Core Spray system
	MS	Main Steam system
	MG	Motor Generator
	MOT	Motor
	MSIV	Main Steam Isolation Valve
	NSW	Nuclear Service Water system
	Oper	Operator
	Overhtd	Overheated
	Pentr	Penetration
	Plt AC Power	Plant AC Power Distribution system
	Plt DC Power	Plant DC Power Distribution system
	Pmp	Pump
	Pos	Positioner
	Pot	Potentiometer
	Press Htr	Pressurizer Heater
	Presszr	Pressurizer
	Pumphse	Pumphouse

APPENDIX C – TABLE C-2 **ACRONYMS AND ABBREVIATIONS USED IN SMOKE EVENTS TABLE (1986–1999)**

II Cells (alphabetical listing) (Continued)

Pwr Cntr	Power Center
Pwr Sup	Power Supply
Rad	Radiation
RBCC	Reactor Building Closed Cooling water system
RCIC	Reactor Core Isolation Cooling system
Rck	Rack
RCS	Reactor Coolant System
React Trip	Reactor Trip
Reg	Regulator
Regulatr	Regulator
Recirc	Recirculation
Recombr	Recombiner
Ret Hdr	Return Header
RHR	Residual Heat Removal system
RMS	Radiation Monitoring System
RPS	Reactor Protection System
RR	Reactor Recirculation system
RWCU	Reactor Water Cleanup system
SDS	Shutdown System
Sequenc	Sequencer
Serv	Service
Serv Wtr	Service Water
SGBS	Steam Generator Blowdown System
SI	Safety Injection
SLC	Supplementary Leak Collection system
Sol	Solenoid
Stk	Stack
Stor Tnk	Storage Tank
Substatn	Substation
Sup	Supply
Suppr	Suppression
Surg	Surge
Swapovr	Swapover
Switchgr	Switchgear
Temp Sw	Temperature Switch
T-G	Turbine Generator
Turb	Turbine
Turb-Gen	Turbine Generator
Turb Trip	Turbine Trip
Turn Gear	Turning Gear
UPS	Uninterruptable Power System
Vlv	Valve
Voltmtr	Voltmeter
Volt Reg	Voltage Regulator
Wtr	Water
Xformer	Transformer
Xotherm	Exothermic

Appendix C – Table C-3 Definition of Smoke Event Terms

Smoke Event – An event in which it was reported that smoke was present from direct observation or where smoke residue was found on a component. This excludes fire and odor/smell. When both fire and smoke occurred, the event was categorized as a fire event.

Smoke Duration – The time that the smoke was evident, expressed in minutes. The durations were either specific to the report or estimated based on the report information (e.g., duration < 5 minutes, duration <15 minutes).

Smoke Extent – The density of the smoke, characterized as follows: light, medium, heavy.