June 21, 1982

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Docket No. 50-373

Mr. Louis O. DelGeorge
Director of Nuclear Licensing
Commonwealth Edison Company
P. O. Box 767
Chicago, Illinois 60690

Dear Mr. DelGeorge:

Subject: Amendment No. 2 to Facility Operating License No. NPF-11

By letter dated June 18, 1982, the Commission issued Amendment No. 2 to Facility Operating License No. NPF-11 for La Salle County Station, Unit 1. This Amendment revised Appendix A of the Technical Specifications concerned with modifications and additions to the Technical Specifications.

The Amendment No. was inadvertently incorrect. Please change the number to read Amendment No. 1 in the letter, Federal Register Notice and Amendment.

Sincerely,

Original Signed by

A. Schwencer, Chief
Licensing Branch No. 2
Division of Licensing

cc: See next page

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PDR ADOCK 05000373
P PDR

OFFICE	DL:LB#2:LA	DL:LB#2:BC					
SURNAME	EGoodwin	ASchwencer					
DATE	6/21/82	6/21/82					

Docket No. 50-373

JUN 1 8 1982

Mr. Louis O. DelGeorge
Director of Nuclear Licensing
Commonwealth Edison Company
P. O. Box 767
Chicago, Illinois 60690

Dear Mr. DelGeorge:

Subject: Amendment No. 2 to Facility Operating License No. NPF-11

The Commission has issued the enclosed Amendment No. 2 to Facility Operating License No. NPF-11 for the La Salle County Station, Unit 1. The amendment consists of the following changes to the Technical Specifications in response to your applications dated May 24, 1982, June 1, 1982, June 7, 1982, and June 14, 1982.

The changes to the Technical Specifications were as follows: (1) modify Technical Specification 4.6.6.1(b)(2) from 1200 F ± 9 F to 1200 F ± 25 F; (2) change the main steam isolation valve scram setpoint from a nominal value of 94 percent open to a nominal value of 92 percent open; and (3) modify Technical Specification 3/4.10.7 so as to permit performance of the confirmatory flow induced vibration test with one low pressure core injection loop isolated. In addition, some Technical Specification inputs and changes were submitted as a result of our review and reported in our Supplements to our Safety Evaluation Reports in order to fullfil your commitment. These Technical Specifications were: revised list of snubbers pursuant to the provision of 2.C.5(a) of the license, a list of tendon surveillance schedules pursuant to the provision of 2.C.7 of the license, and finally increase the number of fire detection instrumentation as a result of our requirement to install a general sprinkler system in the diesel-generator corridor.

Your letter of May 24, 1982, informed us of your request for two changes in the Technical Specifications. The first had to do with the recombiner heater temperature controller deviation of 1200 F ± 9 F. This 9 F deviation does not allow for any operating variations. This operating limitation resulted in the inability to meet the Technical Specification limit during the pre-operational testing. You requested that the deviation be changed to 1200 F ± 25 F to allow for small over and under shoot during the time required to stabilize the heater. In this regard, we note that your proposal provides a reasonable functional test, and at the same time maintains the 99.9 percent recombination efficiency stated in La Salle's Final Safety Analysis Report. Therefore, we conclude that the change is acceptable.

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With respect to the second change in your May 24, 1982 letter, you requested a change in the main steam isolation valve closure set point from a nominal value of 94 percent open to a nominal value of 92 percent open and an allowable value 88 percent open. This change would result in a slight delay to scram for events in which main steam isolation value closure initiates reactor trip. At La Salle, the only event, for which main steam isolation valve closure is credited for tripping the reactor, is the main steam isolation valve closure transient. Your reanalysis of the main steam isolation valve transient, using an anlaysis value of 85 percent open, bounds the proposed values of 92 percent (nominal) and 88 percent (allowable), and includes consideration of setpoint calibration, accuracy and drift. The ODYN code which has been approved by us was used for the reanalysis. The reanalysis results indicate that the operating limit minimum critical power ratio is unaffected by the proposed change. The change in critical power ratio for the main steam isolation valve closure event is still bounded by several other anticipated operational occurrences such as the feedwater controller failure or load rejection events. Peak vessel pressure was calculated to be 1203 pounds per square inch gage which is 4 pounds per square inch higher than in the previous analysis, but remains well below the American Society of Mechanical Engineers code limit of 1375 pounds per square inch gage. Based upon the results of your reanalysis, we find the proposed Technical Specifications change acceptable.

Finally, in your letter of June 1, 1982, you requested Technical Specification 3/4.10.7 be modified to include suspension of Technical Specification 3.5.1 for the loop B of the low pressure core injection, and Technical Specification 3.4.3.2.d, for isolation valve leakage for valve IE12-F041B of loop B of the low pressure core injection. These changes would permit execution of the confirmatory flow induced vibration test while: (1) loop B of low pressure core injection is isolated, and (2) prior to loop B of the low pressure core injection check valve being shown to satisfy the leak rate criterion of 1 gallon per minute given in Technical Specification 3.4.3.2.d. In our letter dated June 7, 1982, we authorized these changes for the following reasons: (1) Technical Specification 3/4.10.7 requires that the confirmatory flow induced vibration test be performed prior to initial criticality (since no previously irradiated fuel is included in the first core, there is no decay heat source); (2) the high pressure core spray, low pressure core spray, and loops A and C of the low pressure core injection are available to provide water makeup, if necessary; (3) Technical Specification 3/4.10.7 is self-cancelling upon either completion of the test, or initial criticality, and therefore, these changes will only be in effect during the test period itself; and (4) return-to-service maintenance procedures require valve realignments in loop B of the low pressure core injection after completion of this test and maintenance, so as to return the loop B of the low pressure core injection to operable status prior to operation.

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We have determined that the amendment does not involve a change in effluent types or total amounts nor an increase in power level and will not result in any significant environmental impact. Having made this determination, we have further concluded that the amendment involves an action which is insignificant from the standpoint of environmental impact and pursuant to 10 CFR Section 51.5(d)(4) that an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of this amendment.

We have concluded, based on the considerations discussed above, that: (1) because the amendment does not involve a significant increase in the probability or consequences of accidents previously considered and does not involve a significant decrease in a safety margin, the amendment does not involve a significant hazards consideration, (2) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (3) such activities will be conducted in compliance with the Commission's regulations and the issuance of this amndment will not be inimical to the common defense and security or to the health and safety of the public.

A copy of a related Notice of Issuance is also enclosed.

Sincerely,

/s/

A. Schwencer, Chief
Licensing Branch No. 2
Division of Licensing

Enclosures:
1. Amendment No. 2 to NPF-11
2. Notice

cc w/ enclosures:
See next page

OFFICE	DL:LB#2/PM	OELD	DL:LB#2/BC				
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DATE	6/18/82	6/ /82	6/18/82				

COMMONWEALTH EDISON COMPANY

DOCKET NO. 50-373

LA SALLE COUNTY STATION, UNIT 1

AMENDMENT TO FACILITY OPERATING LICENSE

License No. NPF-11
Amendment No. 2

1. The Nuclear Regulatory Commission (the Commission or the NRC) having found that:

   A. The application for amendment by the Commonwealth Edison Company, dated May 24, 1982, June 1, 1982, June 7, 1982, and June 14, 1982, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's regulations set forth in 10 CFR Chapter I;

   B. The facility will operate in conformity with the application, the provisions of the Act, and the regulations of the Commission;

   C. There is reasonable assurance: (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;

   D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and

   E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.

2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment and paragraph 2.C.(2) of the Facility Operating License No. NPF-11 is hereby amended to read as follows:

   (2) Technical Specifications

   The Technical Specifications contained in Appendicies A and B, as revised through Amendment No. 2, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

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3. This amendment is effective as of the date of issuance, except that the change of specification 3/4.10.7 is effective as of June 3, 1982.

FOR THE NUCLEAR REGULATORY COMMISSION

A. Schwencer, Chief
Licensing Branch No. 2
Division of Licensing

Attachment:
Changes to the Technical Specifications

Date of Issuance: JUN 18 1982

FR NOTICE of AMENDMENT

OFFICE	DL:LB#2/PM	OELD	DL:LB#2/BC				
SURNAME	ABournia:pt	CWoodhead	ASchwencer				
DATE	6/18/82	6/18/82	6/18/82				

ATTACHMENT TO LICENSE AMENDMENT NO.2

FACILITY OPERATING LICENSE NO. NPF-11

DOCKET NO. 50-373

Replace the following pages of the Appendix "A" Technical Specifications with the enclosed pages. The revised pages are identified by Amendment number and contain vertical lines indicating the area of change.

REMOVE	INSERT
3/4 6-41	3/4 6-41
2-4	2-4
3/4 10-7	3/4 10-7
3/4 7-32 thru 3/4 7-47	3/4 7-32 thru 3/4 7-45
3/4 7-48	3/4 7-46
3/4 3-76	3/4 7-76
3/4 3-79	3/4 3-79
3/4 6-11	3/4 6-11
3/4 6-12	3/4 6-12 thru 3/4 6-12 (b)

3/4.6.6 PRIMARY CONTAINMENT ATMOSPHERE CONTROL

DRYWELL AND SUPPRESSION CHAMBER HYDROGEN RECOMBINER SYSTEMS

LIMITING CONDITION FOR OPERATION

3.6.6.1 Two independent drywell and suppression chamber hydrogen recombiner systems shall be OPERABLE.

APPLICABILITY: OPERATIONAL CONDITIONS 1 and 2.

ACTION:

With one drywell and/or suppression chamber hydrogen recombiner system inoperable, restore the inoperable system to OPERABLE status within 30 days or be in at least HOT SHUTDOWN within the next 12 hours.

SURVEILLANCE REQUIREMENTS

4.6.6.1 Each drywell and suppression chamber hydrogen recombiner system shall be demonstrated OPERABLE:

a. At least once per 92 days by cycling each flow control valve and recirculation valve through at least one complete cycle of full travel.

b. At least once per 6 months by verifying, during a recombiner system functional test:

   1. That the heaters are OPERABLE by determining that the current in each phase differs by less than or equal to 5% from the other phases and is within 5% of the value observed in the original acceptance test, corrected for line voltage differences.

   2. That the reaction chamber gas temperature increases to 1200 ± 25°F within 2 hours.

c. At least once per 18 months by:

   1. Performing a CHANNEL CALIBRATION of all recombiner operating instrumentation and control circuits.

   2. Verifying the integrity of all heater electrical circuits by performing a resistance to ground test within 30 minutes following the above required functional test. The resistance to ground for any heater phase shall be greater than or equal to 100,000 ohms.

d. By measuring the leakage rate:

   1. As a part of the overall integrated leakage rate test required by Specification 3.6.1.2, or

   2. By measuring the leakage rate of the system outside of the containment isolation valves at P_a, 39.6 psig, on the schedule required by Specification 4.6.1.2 and including the measured leakage as a part of the leakage determined in accordance with Specification 4.6.1.2.

TABLE 2.2.1-1

REACTOR PROTECTION SYSTEM INSTRUMENTATION SETPOINTS

FUNCTIONAL UNIT	TRIP SETPOINT	ALLOWABLE VALUES
1. Intermediate Range Monitor, Neutron Flux-High	≤ 120 divisions of full scale	≤ 122 divisions of full scale
2. Average Power Range Monitor:		
a. Neutron Flux-High, Setdown	≤ 15% of RATED THERMAL POWER	≤ 20% of RATED THERMAL POWER
b. Flow Biased Simulated Thermal Power - Upscale		
1) Flow Biased	≤ 0.66W + 51% with a maximum of	≤ 0.66W + 54% with a maximum of
2) High Flow Clamped	≤ 113.5% of RATED THERMAL POWER	≤ 115.5% of RATED THERMAL POWER
c. Fixed Neutron Flux-High	≤ 118% of RATED THERMAL POWER	≤ 120% of RATED THERMAL POWER
3. Reactor Vessel Steam Dome Pressure - High	≤ 1043 psig	≤ 1063 psig
4. Reactor Vessel Water Level - Low, Level 3	≥ 12.5 inches above instrument zero*	≥ 11.0 inches above instrument zero*
5. Main Steam Line Isolation Valve - Closure	≤ 8% closed	≤ 12% closed
6. Main Steam Line Radiation - High	≤ 3.0 x full power background	≤ 3.6 x full power background
7. Primary Containment Pressure - High	≤ 1.69 psig	≤ 1.89 psig
8. Scram Discharge Volume Water Level - High	≤ 767' 5¼"	≤ 767' 5¼"
9. Turbine Stop Valve - Closure	≤ 5% closed	≤ 7% closed
10. Turbine Control Valve Fast Closure, Trip Oil Pressure - Low	≥ 500 psig	≥ 414 psig
11. Reactor Mode Switch Shutdown Position	NA	NA
12. Manual Scram	NA	NA

*See Bases Figure B 3/4 3-1.

3/4.10.7 CONFIRMATORY FLOW INDUCED VIBRATION TEST

LIMITING CONDITION FOR OPERATION

3.10.7 The provisions of Specifications 3.6.1.1 and 3.7.3 may be suspended to permit the drywell head to be removed and the RCIC system to be inoperable with a nitrogen supply line connected to the reactor vessel at the RCIC injection connection in order to perform the confirmatory flow induced vibration test prior to first reactor criticality. In addition, the provisions of the following specifications which are applicable during HOT SHUTDOWN may be suspended so that the unit may be brought to HOT SHUTDOWN and maintained in HOT SHUTDOWN for the duration of the test by non-nuclear heatup provided that initial reactor criticality has not occurred. Upon successful completion of the test or initial reactor criticality, whichever occurs first, this specification is cancelled.

a. Specification 3.3.2, Table 3.3.2-1 for Trip Function A.1.c.1, Main Steam Line Radiation - High Monitor.
b. Specification 3.3.7.10, Table 3.3.7.10-1 for Instrument 1.a., Liquid Radwaste Effluent Line Monitor.
c. Specification 3.3.7.11, Table 3.3.7.11-1 for Instrument 1.a, Noble Gas Activity Monitor.
d. Specification 3.4.3.1 for the primary containment atmosphere particulate and gaseous radioactivity monitoring systems.
e. Specification 3.5.1 for the ADS valves and "B" LPCI loop.
f. Specification 3.6.1.1, 3.6.1.2, 3.6.1.3, and 3.6.1.4.
g. Specification 3.6.2.1.
h. Specification 3.6.3, Table 3.6.3-1 for valves in a.1, Main Steam Isolation Valves; a.3, Reactor Coolant System Sample Line Valves; a.10, LPCS, HPCS, RCIC, and RHR Injection Testable Check Bypass Valves; a.12, Drywell Pneumatic Valves; and a.14, TIP Guide Tube Valve Ball Valve.
i. Specification 3.4.3.2.d, isolation valve leakage for "B" LPCI check valve 1E12 F041B.

APPLICABILITY: OPERATIONAL CONDITION 3, during performance of the confirmatory flow induced vibration test.

ACTION: With the provisions of the above specification not satisfied, be in COLD SHUTDOWN within 24 hours.

SURVEILLANCE REQUIREMENTS

4.10.7 The reactor shall be verified not to have been critical with any fuel assembly presently in the core within 24 hours prior to performance of the test.

Table 3.7.9-2 Safety Related Mechanical Snubbers

Snubber No.	System snubber installed on location and elev.			Snubber No.	System snubber installed on location and elev.		
DG15-1005S	DG	Reactor	704	FW02-1173S	FW	Containment	779
DG18-0011S	DG	Diesel Generator	746	FW02-1174S	FW	Containment	779
DG18-0014S	DG	Diesel Generator	735	FW02-1175S	FW	Containment	792
DG34-1002S	DG	Diesel Generator	734	FW02-1176S	FW	Auxiliary	714
DG34-1003S	DG	Diesel Generator	734	FW11-1003S	FW	Auxiliary	753
DG34-1004S	DG	Diesel Generator	745	FW11-1004S	FW	Auxiliary	753
DG34-1005S	DG	Diesel Generator	745	FW11-1005S	FW	Auxiliary	754
DG34-1800S	DG	Diesel Generator	740	FW11-1006S	FW	Auxiliary	754
FW02-1037S	FW	Containment	792	HG01-1003S	HG	Reactor	799
FW02-1043S	FW	Containment	792	HG01-1005S	HG	Reactor	797
FW02-1044S	FW	Containment	787	HG01-1006S	HG	Reactor	797
FW02-1045S	FW	Containment	779	HG01-1009S	HG	Reactor	797
FW02-1046S	FW	Containment	779	HG01-1010S	HG	Reactor	797
FW02-1047S	FW	Containment	779	HG01-1046S	HG	Containment	803
FW02-1050S	FW	Containment	792	HG02-2016S	HG	Reactor	798
FW02-1055S	FW	Containment	755	HG02-2022S	HG	Reactor	798
FW02-1060S	FW	Auxiliary	744	HG02-2027S	HG	Reactor	798
FW02-1071S	FW	Containment	778	HG02-2031S	HG	Reactor	798
FW02-1133S	FW	Auxiliary	743	HG05-1016S	HG	Reactor	756
FW02-1143S	FW	Containment	782	HG05-1025S	HG	Reactor	772
FW02-1145S	FW	Containment	786	HG05-1029S	HG	Reactor	782
FW02-1146S	FW	Containment	780	HG05-1041S	HG	Reactor	734
FW02-1148S	FW	Containment	784	HG06-1046S	HG	Reactor	757
FW02-1149S	FW	Containment	778	HG06-1091S	HG	Reactor	726
FW02-1150S	FW	Containment	778	HG06-1098S	HG	Reactor	737
FW02-1152S	FW	Containment	785	HG06-2105S	HG	Reactor	772
FW02-1153S	FW	Containment	785	HG06-2109S	HG	Reactor	769
FW02-1154S	FW	Containment	780	HP01-1007S	HP	Reactor	675
FW02-1155S	FW	Containment	780	HP01-1017S	HP	Reactor	675
FW02-1156S	FW	Containment	783	HP02-1011S	HP	Reactor	685
FW02-1157S	FW	Containment	777	HP02-1012S	HP	Reactor	764
FW02-1159S	FW	Containment	758	HP02-1019S	HP	Reactor	735
FW02-1169S	FW	Containment	780	HP02-1020S	HP	Reactor	690
FW02-1170S	FW	Containment	754	HP02-1021S	HP	Reactor	685
FW02-1171S	FW	Containment	791	HP02-1025S	HP	Containment	774
FW02-1172S	FW	Containment	792	HP02-1026S	HP	Containment	789
HP02-1027S	HP	Containment	774	LC01-1024S	LC	Auxiliary	690
HP02-1500S	HP	Containment	789	LC01-1026S	LC	Auxiliary	690
HP02-1502S	HP	Reactor	753	LC01-1031S	LC	Auxiliary	690
HP02-1503S	HP	Reactor	753	LC01-1047S	LC	Auxiliary	682
HP02-1507S	HP	Containment	774	LC01-1050S	LC	Auxiliary	681
HP02-1508S	HP	Containment	774	LC01-1051S	LC	Auxiliary	681
HP02-1510S	HP	Containment	774	LC01-1052S	LC	Auxiliary	681
HP02-1513S	HP	Reactor	690	LC01-1053S	LC	Auxiliary	682
HP02-1519S	HP	Reactor	768	LC01-1054S	LC	Auxiliary	682
HP02-1520S	HP	Reactor	769	LC01-1055S	LC	Auxiliary	681
HP02-1523S	HP	Turbine	708	LC01-1056S	LC	Auxiliary	682

Table 3.7.9-2 (Continued)

Snubber No.	System snubber installed on location and elev.			Snubber No.	System snubber installed on location and elev.		
HP02-1524S	HP	Containment	690	LC01-1057S	LC	Auxiliary	681
HP02-1800S	HP	Reactor	686	LC01-1058S	LC	Auxiliary	681
HP08-1009S	HP	Reactor	704	LC01-1059S	LC	Auxiliary	706
HP08-1024S	HP	Reactor	699	LC01-1065S	LC	Auxiliary	722
HP08-1026S	HP	Reactor	700	LC01-1066S	LC	Auxiliary	706
HP08-1028S	HP	Reactor	699	LC01-1068S	LC	Auxiliary	722
HP08-1029S	HP	Containment	703	LC01-1069S	LC	Auxiliary	722
HP09-1013S	HP	Reactor	688	LC01-1070S	LC	Auxiliary	721
HP09-1036S	HP	Reactor	693	LC01-1089S	LC	Auxiliary	732
HP14-1003S	HP	Reactor	681	LC01-1096S	LC	Auxiliary	733
HP22-1003S	HP	Reactor	768	LC01-1106S	LC	Auxiliary	731
HP75-1003S	HP	Diesel Generator	735	LC01-1120S	LC	Auxiliary	732
HP75-1005S	HP	Diesel Generator	746	LC01-1121S	LC	Auxiliary	732
LC01-1002S	LC	Auxiliary	707	LC01-1123S	LC	Auxiliary	732
LC01-1003S	LC	Auxiliary	707	LC01-1126S	LC	Auxiliary	732
LC01-1004S	LC	Auxiliary	706	LC01-1807S	LC	Reactor	680
LC01-1005S	LC	Auxiliary	706	LC01-1808S	LC	Reactor	680
LC01-1007S	LC	Auxiliary	707	LC01-1809S	LC	Reactor	680
LC01-1008S	LC	Auxiliary	707	LC01-1810S	LC	Reactor	680
LC01-1013S	LC	Auxiliary	706	LC03-1817S	LC	Reactor	680
LC01-1014S	LC	Auxiliary	706	LC03-1820S	LC	Reactor	680
LC01-1015S	LC	Auxiliary	690	LC03-1823S	LC	Reactor	680
LC01-1019S	LC	Auxiliary	706	LC03-1826S	LC	Reactor	680
LC01-1021S	LC	Auxiliary	681	LC09-1001S	LC	Reactor	681
LC01-1022S	LC	Auxiliary	706	LC09-1013S	LC	Auxiliary	679
LC09-1018S	LC	Auxiliary	681	MS00-1015S	MS	Containment	780
LC09-1031S	LC	Auxiliary	702	MS00-1016S	MS	Containment	780
LC09-1036S	LC	Auxiliary	702	MS00-1017S	MS	Containment	775
LC09-1049S	LC	Auxiliary	681	MS00-1019S	MS	Containment	763
LC09-1050S	LC	Auxiliary	681	MS00-1020S	MS	Containment	743
LC09-1052S	LC	Auxiliary	681	MS00-1021S	MS	Containment	743
LC09-1053S	LC	Auxiliary	737	MS00-1022S	MS	Containment	743
LP01-1014S	LP	Reactor	681	MS00-1023S	MS	Containment	769
LP02-1013S	LP	Containment	778	MS00-1024S	MS	Containment	786
LP02-1015S	LP	Containment	774	MS00-1025S	MS	Containment	787
LP02-1016S	LP	Containment	774	MS00-1026S	MS	Containment	780
LP02-1017S	LP	Containment	774	MS00-1029S	MS	Containment	743
LP02-1018S	LP	Containment	774	MS00-1030S	MS	Containment	772
LP02-1019S	LP	Containment	774	MS00-1031S	MS	Containment	785
LP02-1020S	LP	Reactor	777	MS00-1032S	MS	Containment	790
LP02-1025S	LP	Reactor	703	MS00-1033S	MS	Containment	790
LP02-1054S	LP	Reactor	777	MS00-1034S	MS	Containment	780
LP02-1055S	LP	Reactor	777	MS00-1038S	MS	Containment	743
LP02-1057S	LP	Reactor	777	MS00-1039S	MS	Containment	743
LP02-1059S	LP	Reactor	777	MS00-1040S	MS	Containment	772
LP02-1062S	LP	Reactor	689	MS00-1041S	MS	Containment	786
LP02-1067S	LP	Containment	788	MS00-1042S	MS	Containment	890
LP19-1011S	LP	Reactor	763	MS00-1043S	MS	Containment	790
LP20-1025S	LP	Reactor	733	MS00-1044S	MS	Containment	780

Table 3.7.9-2 (Continued)

Snubber No.	System snubber installed on location and elev.			Snubber No.	System snubber installed on location and elev.		
LP20-1028S	LP	Reactor	728	MS00-1045S	MS	Containment	78
LP20-1029S	LP	Reactor	727	MS00-1049S	MS	Containment	74
LP20-1030S	LP	Reactor	726	MS00-1050S	MS	Containment	73
LP20-1035S	LP	Reactor	767	MS00-1051S	MS	Containment	769
MS00-1006S	MS	Containment	775	MS00-1052S	MS	Containment	775
MS00-1007S	MS	Containment	780	MS00-1053S	MS	Containment	787
MS00-1009S	MS	Containment	748	MS00-1054S	MS	Containment	786
MS00-1010S	MS	Containment	774	MS00-1055S	MS	Containment	780
MS00-1011S	MS	Containment	780	MS01-1273S	MS	Auxiliary	691
MS00-1012S	MS	Containment	780	MS04-1135S	MS	Containment	760
MS00-1013S	MS	Containment	780	MS04-1137S	MS	Containment	771
MS00-1014S	MS	Containment	774	MS04-1138S	MS	Containment	781
MS04-1139S	MS	Containment	781	MS04-1192S	MS	Containment	760
MS04-1141S	MS	Containment	758	MS04-1193S	MS	Containment	751
MS04-1142S	MS	Containment	758	MS04-1194S	MS	Containment	766
MS04-1143S	MS	Containment	775	MS04-1195S	MS	Containment	779
MS04-1145S	MS	Containment	779	MS04-1196S	MS	Containment	779
MS04-1147S	MS	Containment	779	MS04-1197S	MS	Containment	778
MS04-1150S	MS	Containment	748	MS04-1201S	MS	Containment	753
MS04-1151S	MS	Containment	770	MS04-1202S	MS	Containment	755
MS04-1152S	MS	Containment	770	MS04-1203S	MS	Containment	760
MS04-1153S	MS	Containment	781	MS04-1204S	MS	Containment	781
MS04-1154S	MS	Containment	779	MS04-1205S	MS	Containment	783
MS04-1155S	MS	Containment	781	MS04-1207S	MS	Containment	783
MS04-1157S	MS	Containment	760	MS04-1210S	MS	Containment	783
MS04-1158S	MS	Containment	773	MS04-1211S	MS	Containment	760
MS04-1159S	MS	Containment	773	MS04-1212S	MS	Containment	757
MS04-1161S	MS	Containment	781	MS04-1213S	MS	Containment	758
MS04-1163S	MS	Containment	748	MS04-1215S	MS	Containment	748
MS04-1165S	MS	Containment	762	MS04-1216S	MS	Containment	756
MS04-1166S	MS	Containment	763	MS04-1217S	MS	Containment	748
MS04-1169S	MS	Containment	749	MS04-1218S	MS	Containment	764
MS04-1170S	MS	Containment	751	MS04-1219S	MS	Containment	756
MS04-1171S	MS	Containment	766	MS04-1220S	MS	Containment	757
MS04-1172S	MS	Containment	766	MS04-1221S	MS	Containment	764
MS04-1173S	MS	Containment	774	MS04-1222S	MS	Containment	772
MS04-1174S	MS	Containment	772	MS04-1223S	MS	Containment	751
MS04-1175S	MS	Containment	774	MS04-1225S	MS	Containment	750
MS04-1177S	MS	Containment	758	MS04-1229S	MS	Containment	779
MS04-1178S	MS	Containment	761	MS04-1230S	MS	Containment	779
MS04-1179S	MS	Containment	761	MS04-1232S	MS	Containment	746
MS04-1180S	MS	Containment	778	MS04-1233S	MS	Containment	746
MS04-1183S	MS	Containment	749	MS04-1234S	MS	Containment	770
MS04-1184S	MS	Containment	772	MS04-1235S	MS	Containment	770
MS04-1185S	MS	Containment	773	MS04-1237S	MS	Containment	780
MS04-1186S	MS	Containment	772	MS04-1238S	MS	Containment	779
MS04-1189S	MS	Containment	781	MS04-1239S	MS	Containment	747
MS04-1190S	MS	Containment	781	MS04-1240S	MS	Containment	747
MS04-1241S	MS	Containment	747	MS04-1295S	MS	Containment	744

Table 3.7.9-2 (Continued)

Snubber No.	System snubber installed on location and elev.			Snubber No.	System snubber installed on location and elev.		
MS04-1245S	MS	Containment	780	MS04-1298S	MS	Containment	76[illegible]
MS04-1246S	MS	Containment	779	MS04-1299S	MS	Containment	77[illegible]
MS04-1248S	MS	Containment	752	MS04-1300S	MS	Containment	772
MS04-1249S	MS	Containment	752	MS04-1301S	MS	Containment	772
MS04-1250S	MS	Containment	771	MS04-1302S	MS	Containment	781
MS04-1251S	MS	Containment	771	MS04-1304S	MS	Containment	781
MS04-1252S	MS	Containment	771	MS04-1305S	MS	Containment	774
MS04-1253S	MS	Containment	778	MS04-1307S	MS	Containment	771
MS04-1256S	MS	Containment	766	MS04-1308S	MS	Containment	773
MS04-1258S	MS	Containment	761	MS04-1320S	MS	Containment	746
MS04-1259S	MS	Containment	780	MS04-1321S	MS	Containment	768
MS04-1261S	MS	Containment	774	MS04-1322S	MS	Containment	766
MS04-1262S	MS	Containment	748	MS04-1323S	MS	Containment	766
MS04-1265S	MS	Containment	745	MS04-1324S	MS	Containment	749
MS04-1266S	MS	Containment	764	MS04-1325S	MS	Containment	766
MS04-1267S	MS	Containment	767	MS04-1328S	MS	Containment	751
MS04-1269S	MS	Containment	780	MS04-1329S	MS	Containment	772
MS04-1270S	MS	Containment	781	MS04-1330S	MS	Containment	772
MS04-1271S	MS	Containment	747	MS04-1331S	MS	Containment	774
MS04-1272S	MS	Containment	747	MS04-1332S	MS	Containment	745
MS04-1274S	MS	Containment	769	MS04-1333S	MS	Containment	748
MS04-1275S	MS	Containment	769	MS04-1334S	MS	Containment	774
MS04-1276S	MS	Containment	772	MS04-1337S	MS	Containment	749
MS04-1277S	MS	Containment	773	MS04-1341S	MS	Containment	748
MS04-1278S	MS	Containment	773	MS04-1344S	MS	Containment	782
MS04-1279S	MS	Containment	780	MS04-1345S	MS	Containment	743
MS04-1281S	MS	Containment	773	MS04-1346S	MS	Containment	743
MS04-1282S	MS	Containment	753	MS04-1347S	MS	Containment	757
MS04-1283S	MS	Containment	751	MS04-1349S	MS	Containment	742
MS04-1288S	MS	Containment	770	MS04-1350S	MS	Containment	759
MS04-1289S	MS	Containment	773	MS04-1351S	MS	Containment	758
MS04-1290S	MS	Containment	772	MS04-1353S	MS	Containment	749
MS04-1291S	MS	Containment	780	MS04-1354S	MS	Containment	749
MS04-1293S	MS	Containment	781	MS04-1355S	MS	Containment	759
MS04-1294S	MS	Containment	744	MS04-1356S	MS	Containment	766
MS04-1358S	MS	Containment	775	MS04-1546S	MS	Containment	760
MS04-1359S	MS	Containment	780	MS04-1549S	MS	Containment	760
MS04-1362S	MS	Containment	751	MS04-1550S	MS	Containment	760
MS04-1363S	MS	Containment	759	MS04-1551S	MS	Containment	781
MS04-1364S	MS	Containment	759	MS04-1553S	MS	Containment	748
MS04-1366S	MS	Containment	757	MS04-1683S	MS	Containment	769
MS04-1367S	MS	Containment	775	MS04-1705S	MS	Containment	751
MS04-1368S	MS	Containment	743	MS05-1002S	MS	Containment	810
MS04-1369S	MS	Containment	779	MS05-1004S	MS	Containment	804
MS04-1371S	MS	Containment	783	MS05-1005S	MS	Containment	804
MS04-1372S	MS	Containment	749	MS05-1008S	MS	Containment	804
MS04-1373S	MS	Containment	766	MS05-1010S	MS	Containment	804
MS04-1376S	MS	Containment	745	MS06-1006S	MS	Containment	787
MS04-1378S	MS	Containment	761	MS06-1016S	MS	Containment	776
MS04-1379S	MS	Containment	760	MS06-10175	MS	Containment	779

Table 3.7.9-2 (Continued)

Snubber No.	System snubber installed on location and elev.			Snubber No.	System snubber installed on location and elev.		
MS04-1384S	MS	Containment	749	MS10-1002S	MS	Containment	761
MS04-1390S	MS	Containment	783	MS10-1007S	MS	Containment	761
MS04-1391S	MS	Containment	783	MS10-1013S	MS	Containment	759
MS04-1392S	MS	Containment	783	MS14-1030S	MS	Containment	738
MS04-1393S	MS	Containment	783	MS14-1031S	MS	Containment	738
MS04-1394S	MS	Containment	751	MS14-1034S	MS	Containment	738
MS04-1395S	MS	Containment	751	MS14-1037S	MS	Containment	739
MS04-1396S	MS	Containment	747	MS14-1038S	MS	Containment	738
MS04-1397S	MS	Containment	744	MS14-1039S	MS	Containment	739
MS04-1398S	MS	Containment	758	MS14-1044S	MS	Containment	739
MS04-1399S	MS	Containment	760	MS14-1047S	MS	Containment	740
MS04-1502S	MS	Containment	760	MS14-1048S	MS	Containment	741
MS04-1503S	MS	Containment	763	MS14-1050S	MS	Containment	739
MS04-1504S	MS	Containment	771	MS14-1051S	MS	Containment	740
MS04-1505S	MS	Containment	770	MS14-1052S	MS	Containment	741
MS04-1506S	MS	Containment	758	MS14-1054S	MS	Containment	741
MS04-1508S	MS	Containment	748	MS14-1055S	MS	Containment	741
MS04-1509S	MS	Containment	756	MS14-1056S	MS	Containment	741
MS04-1510S	MS	Containment	749	MS14-1058S	MS	Containment	741
MS04-1511S	MS	Containment	760	MS14-1059S	MS	Containment	741
MS04-1513S	MS	Containment	761	MS14-1063S	MS	Containment	739
MS14-1066S	MS	Containment	741	NB15-1002S	NB	Containment	830
				NB15-1005S	NB	Containment	828
MS25-1023S	MS	Auxiliary	689	NB15-1008S	NB	Containment	827
MS25-1061S	MS	Auxiliary	689	NB16-1002S	NB	Containment	810
MS88-1005S	MS	Containment	787	NB16-1005S	NB	Containment	810
MS88-1006S	MS	Containment	787	NB16-1006S	NB	Containment	809
MSB8-1011S	MS	Reactor	740	NB23-1003S	NB	Containment	808
MSB8-1012S	MS	Reactor	740	NB25-1002S	NB	Containment	808
MSB8-1013S	MS	Reactor	740	PC01-1014S	PC	Reactor	741
MSB8-1015S	MS	Reactor	740	PC01-1015S	PC	Reactor	741
MSB8-1020S	MS	Reactor	740	PC01-1016S	PC	Reactor	741
MSC6-1003S	MS	Containment	761	PC01-1017S	PC	Reactor	741
MSC6-1004S	MS	Reactor	761	PC01-1019S	PC	Reactor	747
MSC6-1005S	MS	Containment	760	PC01-1020S	PC	Reactor	747
MSC7-1006S	MS	Reactor	761	PC01-1800S	PC	Reactor	751
MSC6-1009S	MS	Containment	761	RG10-0014S	RG	Auxiliary	795
MSC6-1013S	MS	Containment	760	RG21-0012S	RG	Auxiliary	797
MSC6-1015S	MS	Containment	760	RH01-1005S	RH	Reactor	675
MSC6-1016S	MS	Containment	761	RH01-1006S	RH	Reactor	675
MSC6-1018S	MS	Containment	760	RH01-1008S	RH	Reactor	681
MSC6-1021S	MS	Containment	760	RH01-1013S	RH	Reactor	681
MSC6-1024S	MS	Containment	761	RH01-1017S	RH	Reactor	681
MSD1-1001S	MS	Containment	787	RH01-1018S	RH	Reactor	681
MSF9-1002S	MS	Containment	785	RH01-1025S	RH	Reactor	678
MSF9-1004S	MS	Containment	784	RH02-1010S	RH	Reactor	705
MSF9-1006S	MS	Containment	787	RH02-1012S	RH	Reactor	686

Table 3.7.9-2 (Continued)

Snubber No.	System snubber installed on location and elev.			Snubber No.	System snubber installed on location and elev.		
MSF9-1007S	MS	Containment	788	RH02-1017S	RH	Reactor	732
NB11-1003S	NB	Containment	808	RH02-1018S	RH	Reactor	686
NB13-1001S	NB	Containment	832	RH02-1019S	RH	Reactor	686
NB13-1002S	NB	Containment	832	RH02-1024S	RH	Reactor	735
NB13-1004S	NB	Containment	829	RH02-1025S	RH	Reactor	695
NB13-1006S	NB	Containment	828	RH02-1026S	RH	Reactor	703
NB13-1025S	NB	Containment	813	RH02-1027S	RH	Reactor	695
NB13-1027S	NB	Containment	811	RH02-1043S	RH	Reactor	735
NB13-1028S	NB	Containment	814	RH02-1047S	RH	Reactor	725
NB13-1031S	NB	Containment	811	RH02-1048S	RH	Reactor	722
RH02-1051S	RH	Reactor	732	RH03-1517S	RH	Containment	741
RH02-1052S	RH	Reactor	712	RH03-1524S	RH	Reactor	733
RH02-1056S	RH	Reactor	710	RH03-1525S	RH	Reactor	736
RH02-1057S	RH	Reactor	696	RH03-1526S	RH	Reactor	736
RH02-1058S	RH	Reactor	686	RH03-1527S	RH	Reactor	700
RH02-1060S	RH	Reactor	710	RH03-1528S	RH	Reactor	730
RH02-1062S	RH	Reactor	715	RH03-1530S	RH	Reactor	736
RH02-1063S	RH	Reactor	727	RH03-1532S	RH	Reactor	736
RH02-1064S	RH	Reactor	696	RH03-1533S	RH	Reactor	715
RH02-1065S	RH	Reactor	685	RH03-1534S	RH	Reactor	736
RH02-1067S	RH	Reactor	683	RH03-1537S	RH	Reactor	734
RH03-1034S	RH	Reactor	729	RH03-1540S	RH	Reactor	718
RH03-1035S	RH	Reactor	733	RH03-1541S	RH	Reactor	700
RH03-1036S	RH	Reactor	719	RH03-1544S	RH	Containment	738
RH03-1037S	RH	Reactor	717	RH04-1020S	RH	Reactor	682
RH03-1038S	RH	Reactor	718	RH04-1021S	RH	Reactor	681
RH03-1044S	RH	Reactor	734	RH04-1022S	RH	Reactor	700
RH03-1046S	RH	Reactor	703	RH04-1023S	RH	Reactor	703
RH03-1047S	RH	Reactor	736	RH04-1024S	RH	Reactor	703
RH03-1049S	RH	Reactor	700	RH04-1025S	RH	Reactor	703
RH03-1051S	RH	Reactor	729	RH04-1027S	RH	Reactor	703
RH03-1500S	RH	Containment	738	RH04-1028S	RH	Reactor	703
RH03-1502S	RH	Containment	738	RH04-1029S	RH	Reactor	703
RH03-1503S	RH	Containment	738	RH04-1031S	RH	Reactor	703
RH04-1504S	RH	Containment	738	RH04-1032S	RH	Reactor	703
RH03-1505S	RH	Containment	740	RH04-1033S	RH	Reactor	703
RH03-1506S	RH	Containment	742	RH04-1035S	RH	Reactor	700
RH03-1507S	RH	Containment	738	RH04-1036S	RH	Reactor	692
RH03-1508S	RH	Containment	738	RH04-1038S	RH	Reactor	688
RH03-1509S	RH	Containment	738	RH04-1039S	RH	Reactor	688
RH03-1511S	RH	Containment	738	RH04-1040S	RH	Reactor	688
RH03-1512S	RH	Containment	738	RH04-1044S	RH	Reactor	682
RH03-1513S	RH	Containment	738	RH04-1045S	RH	Reactor	682
RH03-1514S	RH	Containment	738	RH04-1046S	RH	Reactor	688
RH03-1515S	RH	Containment	741	RH04-1051S	RH	Reactor	682
RH03-1516S	RH	Containment	741	RH04-1416S	RH	Containment	738
RH04-1418S	RH	Containment	738	RH12-1071S	RH	Reactor	688
RH04-1420S	RH	Containment	738	RH12-1072S	RH	Reactor	697
RH04-1500S	RH	Containment	738	RH12-1077S	RH	Reactor	682

Table 3.7.9-2 (Continued)

Snubber No.	System snubber installed on location and elev.			Snubber No.	System snubber installed on location and elev.		
RH04-1501S	RH	Containment	738	RH13-1009S	RH	Reactor	720
RH04-1502S	RH	Containment	738	RH13-1011S	RH	Reactor	719
RH04-1503S	RH	Containment	738	RH13-1041S	RH	Reactor	702
RH04-1506S	RH	Containment	754	RH13-1085S	RH	Reactor	687
RH04-1508S	RH	Containment	744	RH13-1086S	RH	Reactor	682
RH04-1513S	RH	Reactor	703	RH13-1088S	RH	Reactor	698
RH04-1515S	RH	Reactor	688	RH13-1089S	RH	Reactor	698
RH04-1516S	RH	Reactor	682	RH13-1100S	RH	Reactor	686
RH04-1518S	RH	Reactor	734	RH13-1101S	RH	Reactor	695
RH04-1519S	RH	Reactor	734	RH13-1110S	RH	Reactor	690
RH04-1520S	RH	Reactor	703	RH13-1111S	RH	Reactor	702
RH04-1521S	RH	Reactor	703	RH13-1112S	RH	Reactor	703
RH04-1522S	RH	Reactor	688	RH13-1113S	RH	Reactor	683
RH05-1010S	RH	Reactor	679	RH13-1114S	RH	Reactor	683
RH05-1012S	RH	Reactor	679	RH13-1119S	RH	Reactor	689
RH05-1048S	RH	Reactor	683	RH13-1120S	RH	Reactor	705
RH05-1110S	RH	Reactor	683	RH13-1122S	RH	Reactor	705
RH05-1113S	RH	Reactor	683	RH13-1123S	RH	Reactor	705
RH05-1114S	RH	Reactor	683	RH13-1126S	RH	Reactor	701
RH05-1120S	RH	Reactor	703	RH13-1127S	RH	Reactor	701
RH05-1122S	RH	Reactor	698	RH13-1131S	RH	Reactor	701
RH12-1007S	RH	Reactor	687	RH13-1132S	RH	Reactor	701
RH12-1009S	RH	Reactor	697	RH13-1134S	RH	Reactor	706
RH12-1010S	RH	Reactor	697	RH13-1135S	RH	Reactor	706
RH12-1011S	RH	Reactor	697	RH13-1137S	RH	Reactor	705
RH12-1012S	RH	Reactor	697	RH13-1138S	RH	Reactor	708
RH12-1013S	RH	Reactor	695	RH13-1139S	RH	Reactor	707
RH12-1014S	RH	Reactor	695	RH13-1140S	RH	Reactor	708
RH12-1018S	RH	Reactor	682	RH13-1141S	RH	Reactor	712
RH12-1060S	RH	Reactor	690	RH13-1142S	RH	Reactor	713
RH12-1067S	RH	Reactor	692	RH13-1154S	RH	Reactor	719
RH12-1069S	RH	Reactor	695	RH13-1155S	RH	Reactor	705
RH12-1070S	RH	Reactor	695	RH13-1156S	RH	Reactor	705
RH13-1161S	RH	Reactor	711	RH23-1039S	RH	Reactor	706
RH13-1165S	RH	Reactor	720	RH23-1040S	RH	Reactor	704
RH13-1166S	RH	Reactor	719	RH23-1041S	RH	Reactor	705
RH14-1012S	RH	Reactor	724	RH23-1042S	RH	Reactor	705
RH14-1013S	RH	Reactor	724	RH23-1043S	RH	Reactor	720
RH14-1014S	RH	Reactor	724	RH23-1044S	RH	Reactor	721
RH14-1016S	RH	Reactor	723	RH23-1045S	RH	Reactor	720
RH14-1018S	RH	Reactor	707	RH23-1046S	RH	Reactor	720
RH14-1046S	RH	Reactor	717	RH23-1047S	RH	Reactor	707
RH14-1047S	RH	Reactor	724	RH23-1048S	RH	Reactor	707
RH14-1050S	RH	Reactor	708	RH23-1052S	RH	Reactor	717
RH14-1051S	RH	Reactor	723	RH23-1053S	RH	Reactor	720
RH14-1052S	RH	Reactor	718	RH26-1007S	RH	Reactor	703
RH14-1055S	RH	Reactor	734	RH28-1001S	RH	Reactor	720
RH15-1013S	RH	Reactor	703	RH29-1804S	RH	Reactor	696

Table 3.7.9-2 (Continued)

Snubber No.	System snubber installed on location and elev.			Snubber No.	System snubber installed on location and elev.		
RH18-1007S	RH	Reactor	703	RH33-1053S	RH	Reactor	746
RH18-1009S	RH	Reactor	709	RH33-1054S	RH	Reactor	747
RH18-1011S	RH	Reactor	715	RH33-1055S	RH	Reactor	746
RH18-1015S	RH	Reactor	705	RH34-1032S	RH	Reactor	740
RH19-1009S	RH	Reactor	718	RH34-1033S	RH	Reactor	740
RH19-1010S	RH	Reactor	715	RH39-1025S	RH	Reactor	732
RH19-1013S	RH	Reactor	718	RH39-1026S	RH	Reactor	732
RH19-1014S	RH	Reactor	719	RH39-1027S	RH	Reactor	732
RH19-1015S	RH	Reactor	719	RH40-1028S	RH	Reactor	733
RH19-1016S	RH	Reactor	718	RH40-1029S	RH	Reactor	734
RH19-1033S	RH	Reactor	723	RH40-1030S	RH	Containment	794
RH19-1034S	RH	Reactor	722	RH40-1032S	RH	Containment	792
RH19-1036S	RH	Reactor	717	RH40-1033S	RH	Containment	782
RH19-1037S	RH	Reactor	721	RH40-1034S	RH	Containment	778
RH19-1041S	RH	Reactor	717	RH40-1036S	RH	Reactor	757
RH19-1042S	RH	Reactor	716	RH40-1037S	RH	Reactor	729
RH19-1043S	RH	Reactor	717	RH40-1039S	RH	Reactor	734
RH19-1044S	RH	Reactor	717	RH40-1040S	RH	Reactor	734
RH19-1045S	RH	Reactor	715	RH40-1041S	RH	Reactor	734
RH23-1033S	RH	Reactor	712	RH40-1042S	RH	Reactor	733
RH23-1036S	RH	Reactor	721	RH40-1043S	RH	Reactor	729
RH40-1044S	RH	Reactor	730	RH50-1002S	RH	Reactor	675
RH40-1047S	RH	Reactor	734	RH50-1004S	RH	Reactor	675
RH40-1048S	RH	Reactor	750	RH50-1017S	RH	Reactor	679
RH40-1049S	RH	Reactor	731	RH53-1016S	RH	Reactor	695
RH40-1401S	RH	Reactor	729	RH53-1018S	RH	Reactor	718
RH40-1500S	RH	Containment	799	RH53-1020S	RH	Reactor	722
RH40-1501S	RH	Containment	799	RH53-1021S	RH	Reactor	725
RH40-1504S	RH	Containment	774	RH53-1022S	RH	Reactor	725
RH40-1505S	RH	Containment	774	RH53-1024S	RH	Reactor	731
RH40-1506S	RH	Containment	784	RH53-1025S	RH	Reactor	763
RH40-1522S	RH	Containment	797	RH53-1026S	RH	Reactor	780
RH40-1523S	RH	Containment	797	RH53-1027S	RH	Reactor	775
RH40-1524S	RH	Containment	793	RH53-1028S	RH	Reactor	780
RH40-1526S	RH	Containment	797	RH53-1029S	RH	Reactor	800
RH40-1539S	RH	Reactor	734	RH53-1030S	RH	Reactor	780
RH40-1540S	RH	Reactor	734	RH53-1031S	RH	Reactor	777
RH40-1541S	RH	Reactor	734	RH53-1032S	RH	Reactor	776
RH40-1543S	RH	Reactor	733	RH53-1069S	RH	Reactor	725
RH40-1544S	RH	Reactor	734	RH53-1550S	RH	Containment	796
RH40-1548S	RH	Reactor	734	RH53-1551S	RH	Containment	796
RH40-1549S	RH	Reactor	735	RH53-1553S	RH	Containment	798
RH40-1550S	RH	Reactor	757	RH53-1554S	RH	Containment	796
RH40-1551S	RH	Auxiliary	732	RH53-1557S	RH	Containment	794
RH40-1552S	RH	Reactor	747	RH53-1561S	RH	Containment	783
RH40-1553S	RH	Reactor	750	RH53-1562S	RH	Containment	779
RH40-1554S	RH	Reactor	757	RH53-1565S	RH	Reactor	776
RH40-1557S	RH	Reactor	764	RH53-1568S	RH	Containment	793
RH40-1559S	RH	Containment	771	RH53-1573S	RH	Reactor	770

Table 3.7.9-2 (Continued)

Snubber No.	System snubber installed on location and elev.			Snubber No.	System snubber installed on location and elev.		
RH40-1560S	RH	Containment	794	RH53-1574S	RH	Reactor	771
RH40-1561S	RH	Containment	799	RH53-1575S	RH	Reactor	771
RH40-1572S	RH	Reactor	734	RH56-1003S	RH	Reactor	688
RH40-1573S	RH	Reactor	728	RH56-1007S	RH	Reactor	688
RH41-1091S	RH	Reactor	708	RH59-1030S	RH	Reactor	762
RH42-1032S	RH	Reactor	705	RH59-1031S	RH	Reactor	762
RH42-1033S	RH	Reactor	706	RH59-1048S	RH	Reactor	758
RH42-1037S	RH	Reactor	735	RH59-1049S	RH	Reactor	738
RH59-1052S	RH	Reactor	758	RI01-1072S	RI	Reactor	702
RH59-1056S	RH	Reactor	754	RI01-1073S	RI	Reactor	701
RH82-1030S	RH	Reactor	708	RI01-1074S	RI	Reactor	701
RH82-1037S	RH	Reactor	687	RI01-1076S	RI	Reactor	692
RH82-1038S	RH	Reactor	686	RI01-1077S	RI	Reactor	693
RH82-1040S	RH	Reactor	686	RI01-1080S	RI	Reactor	685
RH82-1041S	RH	Reactor	687	RI01-1081S	RI	Reactor	685
RH82-1046S	RH	Reactor	695	RI01-1083S	RI	Reactor	676
RH82-1068S	RH	Auxiliary	698	RI01-1084S	RI	Reactor	678
RH82-1074S	RH	Auxiliary	698	RI01-1085S	RI	Reactor	678
RH83-1011S	RH	Reactor	689	RI01-1088S	RI	Reactor	679
RH83-1014S	RH	Reactor	689	RI01-1089S	RI	Reactor	683
RH83-1015S	RH	Reactor	689	RI01-1090S	RI	Reactor	683
RH83-1016S	RH	Reactor	684	RI01-1091S	RI	Reactor	683
RH83-1017S	RH	Reactor	684	RI01-1092S	RI	Reactor	677
RH83-1018S	RH	Reactor	684	RI01-1093S	RI	Reactor	678
RH83-1037S	RH	Reactor	689	RI01-1101S	RI	Containment	718
RHA6-1003S	RH	Reactor	715	RI01-1102S	RI	Containment	718
RHB4-1002S	RH	Containment	738	RI01-1103S	RI	Containment	750
RHB4-1005S	RH	Containment	738	RI01-1106S	RI	Containment	776
RHB4-1007S	RH	Containment	742	RI01-1108S	RI	Containment	779
RHB4-1008S	RH	Containment	742	RI02-1007S	RI	Reactor	680
RHB4-1011S	RH	Containment	745	RI02-1009S	RI	Reactor	687
RI01-1006S	RI	Containment	753	RI09-1005S	RI	Containment	742
RI01-1007S	RI	Containment	771	RI09-1007S	RI	Containment	742
RI01-1008S	RI	Containment	769	RI09-1008S	RI	Containment	747
RI01-1009S	RI	Containment	769	RI09-1009S	RI	Containment	747
RI10-1010S	RI	Containment	775	RI09-1011S	RI	Containment	743
RI01-1011S	RI	Containment	775	RI09-1016S	RI	Containment	743
RI01-1012S	RI	Containment	774	RI09-1021S	RI	Containment	743
RI01-1063S	RI	Reactor	743	RI09-1024S	RI	Containment	747
RI01-1064S	RI	Reactor	743	RI09-1025S	RI	Containment	746
RI01-1065S	RI	Reactor	744	RI09-1026S	RI	Containment	747
RI01-1067S	RI	Reactor	740	RI09-1027S	RI	Containment	743
RI01-1069S	RI	Reactor	736	RI16-1016S	RI	Reactor	688
RI01-1070S	RI	Reactor	736	RI16-1022S	RI	Reactor	683
RI16-1023S	RI	Reactor	683	RI41-1067S	RI	Reactor	703
RI16-1025S	RI	Reactor	687	RI41-1068S	RI	Reactor	703
RI24-1015S	RI	Containment	793	RI41-1089S	RI	Reactor	703
RI24-1016S	RI	Containment	793	RI41-1092S	RI	Reactor	711

Table 3.7.9-2 (Continued)

Snubber No.	System snubber installed on location and elev.			Snubber No.	System snubber installed on location and elev.		
RI24-1017S	RI	Containment	779	RI42-1010S	RI	Reactor	742
RI24-1018S	RI	Containment	780	RR00-1001S	RR	Containment	743
RI24-1019S	RI	Containment	759	RR00-1002S	RR	Containment	739
RI24-1020S	RI	Containment	760	RR00-1003S	RR	Containment	743
RI24-1021S	RI	Containment	754	RR00-1004S	RR	Containment	759
RI24-1022S	RI	Containment	754	RR00-1005S	RR	Containment	743
RI24-1069S	RI	Reactor	741	RR00-1006S	RR	Containment	739
RI24-1070S	RI	Reactor	736	RR00-1007S	RR	Containment	739
RI24-1071S	RI	Reactor	726	RR00-1008S	RR	Containment	739
RI24-1072S	RI	Reactor	726	RR00-1009S	RR	Containment	743
RI24-1080S	RI	Reactor	742	RR00-1010S	RR	Containment	748
RI24-1120S	RI	Containment	821	RR00-1011S	RR	Containment	748
RI24-1121S	RI	Containment	821	RR00-1012S	RR	Containment	759
RI24-1122S	RI	Containment	821	RR00-1013S	RR	Containment	758
RI24-1124S	RI	Containment	826	RR00-1014S	RR	Containment	759
RI24-1130S	RI	Containment	810	RR00-1015S	RR	Containment	743
RI24-1131S	RI	Containment	809	RR00-1016S	RR	Containment	753
RI24-1132S	RI	Containment	810	RR00-1017S	RR	Containment	753
RI24-1511S	RI	Containment	810	RR00-1018S	RR	Containment	743
RI24-1512S	RI	Containment	810	RR00-1019S	RR	Containment	765
RI24-1513S	RI	Containment	785	RR00-1020S	RR	Containment	765
RI24-1514S	RI	Containment	764	RR00-1021S	RR	Containment	761
RI24-1515S	RI	Containment	749	RR00-1022S	RR	Containment	761
RI41-1056S	RI	Reactor	740	RR00-1023S	RR	Containment	758
RI41-1057S	RI	Reactor	712	RR00-1024S	RR	Containment	757
RI41-1058S	RI	Reactor	713	RR00-1025S	RR	Containment	743
RI41-1059S	RI	Reactor	708	RR00-1026S	RR	Containment	762
RI41-1060S	RI	Reactor	703	RR00-1027S	RR	Containment	762
RI41-1061S	RI	Reactor	705	RR00-1028S	RR	Containment	765
RI41-1064S	RI	Reactor	705	RR00-1029S	RR	Containment	765
RI41-1065S	RI	Reactor	703	RR00-1030S	RR	Containment	743
RI41-1066S	RI	Reactor	703	RR00-1031S	RR	Containment	746
RR00-1032S	RR	Containment	746	RR28-1016S	RR	Containment	750
RR00-1041S	RR	Containment	748	RR28-1017S	RR	Containment	750
RR00-1042S	RR	Containment	750	RT01-1085S	RT	Containment	748
RR00-1043S	RR	Containment	757	RT01-1087S	RT	Containment	739
RR00-1044S	RR	Containment	759	RT01-1088S	RT	Containment	738
RR00-1045S	RR	Containment	743	RT01-1089S	RT	Containment	738
RR00-1046S	RR	Containment	753	RT01-1091S	RT	Containment	738
RR00-1047S	RR	Containment	754	RT01-1093S	RT	Containment	738
RR00-1048S	RR	Containment	743	RT01-1094S	RT	Containment	738
RR00-1049S	RR	Containment	768	RT01-1096S	RT	Containment	738
RR00-1050S	RR	Containment	765	RT01-1097S	RT	Containment	738
RR00-1051S	RR	Containment	764	RT01-1100S	RT	Containment	738
RR00-1052S	RR	Containment	764	RT01-1129S	RT	Containment	738
RR00-1053R	RR	Containment	743	RT01-1130S	RT	Containment	739
RR00-1054S	RR	Containment	762	RT17-1002S	RT	Containment	748
RR00-1055S	RR	Containment	762	RT17-1008S	RT	Containment	746
RR00-1056S	RR	Containment	765	SC02-1015S	SC	Reactor	814

Table 3.7.9-2 (Continued)

Snubber No.	System snubber installed on location and elev.			Snubber No.	System snubber installed on location and elev.		
RR00-1057S	RR	Containment	765	SC02-1027S	SC	Reactor	781
RR00-1058S	RR	Containment	739	SC02-1036S	SC	Containment	774
RR00-1059S	RR	Containment	743	SC02-1038S	SC	Containment	770
RR00-1060S	RR	Containment	746	SC02-1047S	SC	Containment	757
RR00-1061S	RR	Containment	746	SC02-1055S	SC	Containment	750
RR00-1062S	RR	Containment	748	VG01-0001S	VG	Reactor	831
RR01-1032S	RR	Containment	743	VG01-0005S	VG	Reactor	831
RR07-1432S	RR	Containment	738	VG01-0006S	VG	Reactor	831
RR17-1001S	RR	Containment	738	VG01-0008S	VG	Reactor	831
RR17-1002S	RR	Containment	737	VG01-0010S	VG	Reactor	831
RR17-1003S	RR	Containment	737	VG02-1004S	VG	Reactor	794
RR17-1004S	RR	Containment	737	VG02-1005S	VG	Reactor	794
RR17-1005S	RR	Containment	737	VG02-1800S	VG	Reactor	802
RR17-1006S	RR	Containment	737	VG04-1003S	VG	Reactor	821
RR17-1007S	RR	Containment	737	VG04-1005S	VG	Reactor	809
RR17-1008S	RR	Containment	737	VG04-1011S	VG	Reactor	794
RR28-1007S	RR	Containment	756	VG04-1014S	VG	Reactor	794
RR28-1012S	RR	Containment	750	VG04-1015S	VG	Reactor	798
RR28-1015S	RR	Containment	741	VG04-1019S	VG	Reactor	798
VQ02-1035S	VQ	Reactor	805	LP-25-H04S	LP		
VQ02-1040S	VQ	Reactor	810	N.P. 30A	RR-59		
VQ05-1001S	VQ	Reactor	733	RR68-H-4	RR		
VQ05-1009S	VQ	Reactor	738	RR68-H-6	RR		
				N.P. 83	RR-59		
				N.P. 85	RR-59		
				RR69-H-4	RR		
				N.P. 164	RR-59		
FHP1204-H02	HP			N.P. 170	RR-59		
FHP1204-H03	HP			N.P. 175	RR-59		
FHP1204-H02	HP			N.P. 180	RR-59		
FHP1204-H03	HP			N.P. 240	RR-59		
N.P. 28B	MS-51A			HG-08-H03S	HG		
N.P. 38	MS-51A			HG-08-H08S	HG		
N.P. 41	MS-51A			HG-08-H07S	HG		
N.P. 48A	MS-51A			N.P. 114	HG-61		
N.P. 296B	MS-51A			N.P. 115	HG-61		
N.P. 336B	MS-51A			N.P. 116	HG-61		
N.P. 376B	MS-51A			HG21-H05	HG		
N.P. B55	MS-51A			FRH1213-H15	RH		
N.P. C43	MS-51A			FRH1213-H14	RH		
NB-125-H07S	RH			FRH1213-H12	RH		
N.P. 465	VG-03			FRH1213-H11	RH		
N.P. 475-X	VG-03			FRH1213-H09	RH		
N.P. 475-Z	VG-03			FRH1213-H07	RH		
N.P. 30B	RH-75A			FRH1213-H08	RH		
N.P. 30A	RH-76			FRH1213-H06	RH		
N.P. 30B	RH-76			FRH1213-H03	RH		
N.P. 135B	RH76			FRH1213-H02	RH		
N.P. 112	HG-61			FRH1213-H01	RH		

Table 3.7.9-2 (Continued)

Snubber No.	System snubber installed on location and elev.	Snubber No.	System snubber installed on location and elev.
HP-12-H02S	HP	FRH1213-H18	RH
HP-12-H04S	HP	FRH1209-H03	RH
N.P. 125	RR-59	FRH1209-H04	RH
N.P. 135	RR-59	FRH1209-H05	RH
HG-06-H12S	HG	N.P. 116	RH-20
N.P. 52	RH-68	FRH1231-H02	RI
N.P. 63	RH-68	FRH1207-H02	RH
N.P. 95	RH-68	FRH1207-H05	RH
RH52-H07	RH	FRI1210-H07	RI
RH52-H08	RH	FRI1209-H05	RI
RH52-H09	RH	FRH1232-H10	RI
RH52-H06	RH	FRH1232-H08	RI
RH52-H05	RH	FRH1232-H06	RI
RH52-H02	RH	N.P. 23	LC-71
RH52-H03	RH	N.P. A34	LC-71
N.P. 133	RH-68	FRH1206-H21	RH
FRH1211-H01	RH	FRH1206-H16	RH
FRH1211-H04	RH	N.P. 303	LC-62
FRH1211-H03	RH	N.P. 18-X	LC-63
FRH42-1037	RH	N.P. 18-Z	LC-63
H-4RH-87	RH	N.P. 23	LC-64
H-2RH-88	RH	N.P. 23-Z	LC-65
N.P. 120	RH-69	N.P. 23-X	LC-65
N.P. 135	RH-69	FRI1207-H01	RI
FRH1214-H12-S	CS	1RI07B-2-1-H08	RI
FRH1230-H07	RH	1RI07B-2-1-H06	RI
FRH1230-H06	RH	1RI07B-2-1-H05	RI
FRH1230-H05	RH	1RI07B-2-1-H16	RI
FRH1230-H03	RH	N.P. 53	RH-21
FRH1230-H02	RH	N.P. 90	RH-21
FRH1230-H01	RH	N.P. 100	RH-21
FRH1206-H03	RH	N.P. 125	RH-21
FRH1233-H05	RI	MS-52-H06S	MS
FRH1233-H04	RI	MS-53-H06S	MS
FRH42-1031	RH	MS-53-H05S	MS
FRH42-1032	RH	MS-50-H02S	MS
FRH42-1033	RH	MS-50-H04S	MS
N.P. 135	RH-16	MS-51-H05S	MS
FRH1231-H09	RI	RT-33-H08S	MS
FRH1231-H06	RI	RT-33-H09S	MS
FRH1231-H04	RI	RT-33-H10S	MS
RH25-H01	RH	N.P. 50	RH-C3
RH25-H02	RH	N.P. 52	RH-C3
RH25-H04	RH	M-1302-22-109	RH
RH25-H03	RH	M-1302-22-110	RH
RH25-H05	RH	M-1302-22-112	RH
RH25-H06	RH	M-1302-22-113	RH
HG-04-H04S	HG	M-1302-23-96	MS
N.P. 117	HG-61	N.P. 60A	RH-C3

Table 3.7.9-2 (Continued)

Snubber No.	System snubber installed on location and elev.	Snubber No.	System snubber installed on location and elev.
N.P. 118	HG-61	M-1302-24-148	RR
N.P. 119	HG-61	M-1302-24-149	RR
N.P. 15	NB-B3	M-1302-24-137	RR
N.P. 55B-Y	RH-G1	M-1302-24-138	RR
N.P. 55B-Z	RH-G1	M-1302-24-151	RR
N.P. 40	HP-A1	M-1302-24-152	RR
M-1302-14-48	NB	M-1302-25-61	RH
N.P. 255B	RH-G1	M-1302-25-8	RH
N.P. 50	NB-C1	M-1302-26-109	RH
N.P. 65	NB-C1	M-1302-26-132	RH
M-1302-15-3	RH	M-1302-26-110	RH
M-1302-15-56	RH	M-1302-26-134	RH
M-1302-15-72	RH	N.P. C8-10	RH-C8
M-1302-16-35	NB	M-1302-27-113	RH
M-1302-16-26	NB	M-1302-27-121	RH
M-1302-16-54	NB	M-1302-27-122	RH
M-1302-16-55	NB	M-1302-27-128	RH
M-1302-16-23	RH	M-1302-27-129	RH
M-1302-16-51	RH	M-1302-27-83	RH
M-1302-16-52	RH	M-1302-27-139	RH
N.P. 170B	HP	M-1302-28-74	LP
M-1302-20-205	MS	M-1302-28-76	LP
M-1302-20-208	MS	M-1302-28-84	RH
M-1302-20-209	MS	M-1302-30-52	RH
M-1302-20-212	MS	M-1302-30-54	RH
M-1302-20-145	MS	M-1302-30-41	RH
M-1302-20-131	NB	M-1302-35-41	LC
N.P. 375A-Y	HP-A1	M-1302-35-43	LC
N.P. 375A-Z	HP-A1	M-1302-36-45	RI
M-1302-36-138	RI	M-1302-36-131	RI
M-1302-36-141	RI	M-1302-23-95	MS
M-1302-36-142	RI	M-1302-23-140	MS
M-1302-36-148	RI	M-1302-23-143	MS
M-1302-36-152	RI	M-1302-23-124	MS
M-1302-36-154	RI		
M-1302-36-169	RI		
M-1302-36-94	RI		
M-1302-36-167	RI		
M-1302-9-1	NB		
M-1302-36-133	RI		
M-1302-36-146	RI		
M-1302-36-147	RI		
M-1302-36-150	RI		
M-1302-36-151	RI		
M-1302-36-125	RI		
M-1302-36-126	RI		
M-1302-36-170	RI		
M-1302-21-40	RR		
N.P. 45	RR-A7		

Table 3.7.9-2 (Continued)

Snubber No.	System snubber installed on location and elev.			Snubber No.	System snubber installed on location and elev.
M-1302-22-83	RR				
M-1302-22-33	RR				
M-1302-22-127	RR				
M-1302-24-110	RR				
M-1302-24-111	RR				
M-1302-24-106	RR				
M-1302-24-107	RR				
M-1302-24-103	RR				
M-1302-21-183	MS				
M-1302-21-181	MS				
N.P. 85B	MS-C1				
N.P. 65-Z	MS-C2				
N.P. 65-Y	MS-C2				
M-1302-21-162	MS				
M-1302-21-163	MS				
M-1302-21-74	MS				
M-1302-21-189	MS				
HP75-2009S	HP	Diesel Generator	749	2HG-24-H02	2HG-62
HP-75-2014S	HP	Diesel Generator	735	2HG-16-H01	2HG-62
HP75-2017S	HP	Diesel Generator	747	RH-27H-H03S	2HG-61
HP75-2800S	HP	Diesel Generator	743	RH-27H-H06S	2HG-61
RH83-20006S	RH	Reactor	684	2HG-4H-H10S	2HG-61
RH83-2007S	RH	Reactor	689	2HG-15H-H03S	2HG-61
RH83-2009S	RH	Reactor	684	2HG-15-H05S	2HG-61
RH83-2012S	RH	Reactor	689	2HG-15H-H01S	2HG-61
RH83-2013S	RH	Reactor	684	2DG-66-H03	2CS-75
RH83-2016S	RH	Reactor	689	2HG23-H06	2HG-70
SC02-2967S	SC	Reactor	782	2HG23-H09	2HG-70
VG01-0015S	VG	Reactor	831	2VQ-10-H02	2VG-03
VG01-0016S	VG	Reactor	831	2VQ-10-H04	2VG-03
VG01-2019S	VG	Reactor	830	2VQ-11-H01	2VG-03
VG01-2021S	VG	Reactor	803	2VQ-11-H03	2VG-03
VG02-0012S	VG	Reactor	831	2VQ-11-H06	2VG-03
VG02-2019S	VG	Reactor	803	2VQ-11-H04	2VG-03
VG02-2021S	VG	Reactor	831		
VG02-2022S	VG	Reactor	794		
VG02-2023S	VG	Reactor	826		
VG02-2024S	VG	Reactor	831		
VG03-2001S	VG	Reactor	794		
VQ04-2019S	VQ	Reactor	738		
VQ04-2020S	VQ	Reactor	733		
VQ05-2023S	VQ	Reactor	762		
VQ05-2024S	VQ	Reactor	762		
VQ05-2025S	VQ	Reactor	787		
VQ05-2026S	VQ	Reactor	732		
VQ05-2031S	VQ	Reactor	733		
VQ04-2800S	VQ	Reactor	733		
VQ06-2002S	VQ	Auxiliary	810		

3/4.7.10 MAIN TURBINE BYPASS SYSTEM

LIMITING CONDITION FOR OPERATION

3.7.10 The main turbine bypass system shall be OPERABLE.

APPLICABILITY: OPERATIONAL CONDITION 1.

ACTION: With the main turbine bypass system inoperable, within two hours restore the system to OPERABLE status or reduce THERMAL POWER to less than 25% of RATED THERMAL POWER within the next 4 hours.

SURVEILLANCE REQUIREMENTS

4.7.10 The main turbine bypass system shall be demonstrated OPERABLE at least once per:

a. 7 days by cycling each turbine bypass valve through at least one complete cycle of full travel.

b. 18 months by:

1. Performing a system functional test which includes simulated automatic actuation and verifying that each automatic valve actuates to its correct position.

2. Performing a CHANNEL CALIBRATION of the main turbine bypass system actuation instrumentation.

3. Demonstrating TURBINE BYPASS SYSTEM RESPONSE TIME to be less than or equal to 200 milliseconds to a valve position equivalent to 80% of rated flow.*

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*Initial setpoint. Final setpoint to be determined during startup test program. The final setpoint in terms of indicated valve position shall be submitted to the Commission within 90 days of test completion.

TABLE 3.3.7.9-1

FIRE DETECTION INSTRUMENTATION

INSTRUMENT LOCATION	MINIMUM INSTRUMENTS OPERABLE*		
	HEAT	FLAME	SMOKE
A. Unit 1 Fire Detection Instrumentation			
1. Cable Spreading Room (Dry Pipe Sprinkler System)			21
2. Diesel Generator Corridor (Dry Pipe Sprinkler System)			7
3. Unit 0 Cables Over Lab (Dry Pipe Sprinkler System)			32
4. Diesel Generator (0DG01K) Room (CO_2 Flooding System)	2		
5. Diesel Generator (1DG01K) Room (CO_2 Flooding System)	2		
6. HPCS Diesel Generator Room (CO_2 Flooding System)	2		
7. Control Room Ventilation (VC) Return Air Monitor			
System A			1
System B			1
8. Control Room Ventilation (VC) Outside Air Monitor			
System A			1
System B			1
9. Auxiliary Electric Equipment Room Ventilation (VE) Return Air Monitor			
System A			1
System B			1
10. SGTS Equipment Train			
(1VG01S)	1		
(2VG01S)	1		
11. Control Room Emergency Make-up Air			
Filter Unit (0VC01SA)	1		
Filter Unit (0VC01SB)	1		
12. Control Room HVAC Supply Air			
Filter Unit (0VC01FA)	1		
Filter Unit (0VC01FB)	1		
13. Auxiliary Electric Equipment Room HVAC Supply Air Filter Unit (0VE01FA)	1		
HVAC Supply Air Filter Unit (0VE01FB)	1		

TABLE 3.3.7.9-1 (Continued)

FIRE DETECTION INSTRUMENTATION

INSTRUMENT LOCATION	MINIMUM INSTRUMENTS OPERABLE* HEAT	FLAME	SMOKE
Unit 1 Fire Detection Instrumentation (Continued)			
17. Off Gas Building			
a. Off Gas Building, Zone 1-15P El. 710'6", Fire Hazard Zone 10A1			3
b. Off Gas Building, Zone 1-15 El. 690', Fire Hazard Zone 10B1			6
B. Unit 2 Fire Detection Instrumentation Required For Unit 1			
1. Cable Spreading Room (Dry Pipe Sprinkler System)			15
2. Diesel Generator Corridor (Dry Pipe Sprinkler System)			9
3. Diesel Generator (2D601K) Room (Co_2 Flooding System)	2		
4. Auxiliary Building/Turbine Bldg.			
a. Aux. Bldg. Vent Floor, Zone 2-1 El. 815', Fire Hazard Zone 4A			5
b. Aux. Bldg. Vent Floor, Zone 2-2 El. 786'6", Fire Hazard Zone 4B			9
c. Control Room, Zone 2-5 El. 768', Fire Hazard Zone 4C1			17
d. Record Room, Zone 2-6 El. 768', Fire Hazard Zone 4C5			3
e. Reactor Prot. M-G Set Room, Zone 2-12 El. 749', Fire Hazard Zone 4D4			12
f. Cable Spreading Area, Zone 2-18 El 749', Fire Hazard Zone 5A4			13
g. Div. 2 SWGR Room, Zone 2-8 El. 731', Fire Hazard Zone 4E4			15
h. Aux. Electric Equipment Room, Zone 2-27 El. 731', Fire Hazard Zone 4E2			12
i. Aux. Bldg. Corridor, Zone 2-3 El. 731', Fire Hazard Zone 5B13			5
j. Aux. Bldg. Corridor, Zone 2-7 El. 731', Fire Hazard Zone 5B13			12

TABLE 4.6.1.5-1

TENDON SURVEILLANCE

	TENDON NUMBERS									
Years After Initial Structural	1		3		5		10		15	
Integrity Test	H	V	H	V	H	V	H	V	H	V
Visual Inspection of End Anchorages Adjacent Concrete Surface and Prestress Monitoring Tests	48AC 56CB 12CB 70B 20CB 1CB 12AC 56BA 21AC	15C 15A 20A 47C 29A	48AC 2CB 14AC 24BA 37CB 47CB 57CB 60B	15C 6C 17A 32C 42C	48AC 3BA 12BA 21CB 23BA 38CB 49AC 68B	15C 28A 23A 5B 31C	48AC 4BA 41CB 50AC	15C 30B 22A	48AC 50CB 53BA 57AC	15C 19A 13B
Detensioning and Material Tests	20CB	47C	2CB	42C	23BA	31C	4BA	22A	50CB	19A

	TENDON NUMBERS									
Years After Initial Structural Integrity Test	20		25		30		35		40	
Type of Inspection	H	V	H	V	H	V	H	V	H	V
Type of Inspection of End Anchorages Adjacent Concrete Surface and Prestress Monitoring Tests	48AC 39CB 49BA 71D	15C 25B 11A	48AC 1BA 47AC 57BA	15C 3B 12A	48AC 48CB 51AC 58BA	15C 7B 18A	48AC 49CB 51BA 59D	15C 25A 18B	48AC 36CB 48BA 69D	15C 13A 27B
Detensioning and Material Tests	48BA	11A	47AC	3B	48CB	18A	51BA	18B	36CB	13A

TABLE 4.6.1.5-2

TENDON LIFT-OFF FORCE

V TENDONS

Tendon Number	Ends	First Year* Maximum (kips)	First Year* Minimum (kips)	X1	X2
V15C	A	N/A	654.95	N/A	4.369
	B	N/A	N/A	N/A	N/A
V28A	A	N/A	650.53	N/A	4.270
	B	N/A	N/A	N/A	N/A
V23A	A	N/A	650.53	N/A	4.270
	B	N/A	N/A	N/A	N/A
V5B	A	N/A	653.27	N/A	4.270
	B	N/A	N/A	N/A	N/A
V31C	A	N/A	651.90	N/A	4.369
	B	N/A	N/A	N/A	N/A
V30B	A	N/A	655.74	N/A	4.270
	B	N/A	N/A	N/A	N/A
V22A	A	N/A	655.74	N/A	4.270
	B	N/A	N/A	N/A	N/A
V19A	A	N/A	650.53	N/A	4.270
	B	N/A	N/A	N/A	N/A
V13B	A	N/A	653.27	N/A	4.270
	B	N/A	N/A	N/A	N/A
V25B	A	N/A	653.23	N/A	4.263
	B	N/A	N/A	N/A	N/A
V11A	A	N/A	650.49	N/A	4.263
	B	N/A	N/A	N/A	N/A
V3B	A	N/A	653.27	N/A	4.270
	B	N/A	N/A	N/A	N/A
V12A	A	N/A	650.53	N/A	4.270
	B	N/A	N/A	N/A	N/A
V7B	A	N/A	653.27	N/A	4.270
	B	N/A	N/A	N/A	N/A
V18A	A	N/A	650.53	N/A	4.270
	B	N/A	N/A	N/A	N/A
V25A	A	N/A	650.53	N/A	4.270
	B	N/A	N/A	N/A	N/A
V18B	A	N/A	653.27	N/A	4.270
	B	N/A	N/A	N/A	N/A
V13A	A	N/A	643.28	N/A	4.263
	B	N/A	N/A	N/A	N/A
V27B	A	N/A	653.23	N/A	4.263
	B	N/A	N/A	N/A	N/A

*First Inspection

Table 4.6.1.5-2 (Continued)

TENDON LIFT-OFF FORCE

HOOP TENDONS

Tendon Number	Ends	First Year* Maximum (kips)	First Year* Minimum (kips)	Y1	Y2
48AC	A	N/A	647.00	N/A	4.500
	B	N/A	647.00	N/A	4.500
3BA	A	N/A	656.46	N/A	4.226
	B	N/A	656.46	N/A	4.226
12BA	A	N/A	637.48	N/A	6.173
	B	N/A	637.48	N/A	6.173
21CB	A	N/A	637.48	N/A	6.173
	B	N/A	637.48	N/A	6.173
23BA	A	N/A	629.71	N/A	6.173
	B	N/A	629.71	N/A	6.173
38CB	A	N/A	631.76	N/A	5.437
	B	N/A	631.76	N/A	5.437
49AC	A	N/A	647.00	N/A	4.500
	B	N/A	647.00	N/A	4.500
68B	A	N/A	655.39	N/A	4.332
	B	N/A	655.39	N/A	4.332
4BA	A	N/A	651.16	N/A	4.226
	B	N/A	651.16	N/A	4.226
41CB	A	N/A	644.51	N/A	4.975
	B	N/A	644.51	N/A	4.975
50AC	A	N/A	650.35	N/A	4.500
	B	N/A	650.35	N/A	4.500
50CB	A	N/A	650.35	N/A	4.538
	B	N/A	650.35	N/A	4.538
53BA	A	N/A	649.82	N/A	4.862
	B	N/A	649.82	N/A	4.862
57AC	A	N/A	650.14	N/A	4.538
	B	N/A	650.14	N/A	4.538
39CB	A	N/A	644.69	N/A	5.437
	B	N/A	644.69	N/A	5.437
49BA	A	N/A	647.00	N/A	4.500
	B	N/A	647.00	N/A	4.500
71D	A	N/A	645.20	N/A	4.332
	B	N/A	645.20	N/A	4.332
1BA	A	N/A	655.82	N/A	3.914
	B	N/A	655.82	N/A	3.914
47AC	A	N/A	644.51	N/A	4.975
	B	N/A	644.51	N/A	4.975
57BA	A	N/A	650.18	N/A	4.862
	B	N/A	650.18	N/A	4.862
48CB	A	N/A	646.48	N/A	4.507
	B	N/A	646.48	N/A	4.507
51AC	A	N/A	653.75	N/A	4.507
	B	N/A	653.75	N/A	4.507

*First Inspection

Table 4.6.1.5-2 (Continued)

TENDON LIFT-OFF FORCE
HOOP TENDONS

Tendon Number	Ends	First Year* Maximum (kips)	First Year* Minimum (kips)	Y1	Y2
58BA	A	N/A	640.84	N/A	4.912
	B	N/A	640.84	N/A	4.912
49CB	A	N/A	639.80	N/A	4.500
	B	N/A	639.80	N/A	4.500
51BA	A	N/A	653.76	N/A	4.500
	B	N/A	653.76	N/A	4.500
59D	A	N/A	638.18	N/A	4.906
	B	N/A	638.18	N/A	4.906
36CB	A	N/A	644.69	N/A	5.437
	B	N/A	644.69	N/A	5.437
48BA	A	N/A	653.76	N/A	4.500
	B	N/A	653.76	N/A	4.500
69D	A	N/A	642.31	N/A	4.332
	B	N/A	642.31	N/A	4.332

*First Inspection

UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKET NO. 50-373

COMMONWEALTH EDISON COMPANY

NOTICE OF ISSUANCE OF AMENDMENT OF FACILITY OPERATING LICENSE

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 2 to Facility Operating License No. NPF-11, issued to Commonwealth Edison Company, which revised Technical Specifications for operation of the La Salle County Station, Unit No. 1 (the facility) located in Brookfield Township, La Salle County, Illinois. The amendment is effective as of the date of issuance except that the effective date of one change is June 3, 1982.

The amendment consists of changes to the Technical Specifications. There are 5 modifications and 2 additions to the Technical Specifications. The changes to the Technical Specifications were as follows: (1) modify Technical Specification 4.6.6.1(b)(2) from 1200 F ± 9 F to 1200 F ± 25 F; (2) change the main steam isolation valve scram setpoint from a nominal value of 94 percent open to a nominal value of 92 percent open; and (3) modify Technical Specification 3/4.10.7 so as to permit performance of the confirmatory flow induced vibration test with one low pressure core injection loop isolated. In addition, some Technical Specification inputs and changes were submitted as a result of our review and reported in our Supplements to our Safety Evaluation Reports in order to fullfil licensee's commitment. These Technical Specifications were: revised list of snubbers pursuant to the provision of

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2.C.5(a) of the license, a list of tendon surveillance shcedules pursuant to the provision of 2.C.7 of the license, and finally increase the number of fire detection instrumentation as a result of our requirement to install a general sprinkler system in the diesel-generator corridor.

The application for amendment complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations. The Commisison's rules and regulations in 10 CFR Chapter I, which are set forth in the license amendment. Prior public notice of this amendment was not required since the amendment does not involve a significant hazards consideration.

The Commission has determined that the issuance of this amendment will not result in any significant environmental impact and that pursuant to 10 CFR Section 51.5(d)(4) an environmental impact statement, or negative declaration and environmental impact appraisal need not be prepared in connection with issuance of this amendment.

For further details with respect to this action, see (1) the application for amendment dated May 24, 1982, June 1, 1982, June 7, 1982 and June 14, 1982, (2) Amendment No. 2 to License June 18, 1982. All of these items are available for public inspection at the Commission's Public Document Room, 1717 H Street,

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N. W., Washington, D. C. 20555, and the Public Library of Illinois Valley Community College, Rural Route No. 1, Ogelsby, Illinois. A copy of items (2) and (3) may be obtained upon request addressed to the U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Director, Division of Licensing.

Dated at Bethesda, Maryland, this 18th day of June 1982.

FOR THE NUCLEAR REGULATORY COMMISSION

/s/
A. Schwencer, Chief
Licensing Branch No. 2
Division of Licensing

*See attached page for previous concurrence

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UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKET NO. 50-373

COMMONWEALTH EDISON COMPANY

NOTICE OF ISSUANCE OF AMENDMENT OF FACILITY OPERATING LICENSE

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The application for amendment complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations. The Commisison's rules and regulations in 10 CFR Chapter I, which are set forth in the license amendment. Prior public notice of this amendment was not required since the amendment does not involve a significant hazards consideration.

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and environmental impact appraisal need not be prepared in connection with issuance of this amendment.

For further details with respect to this action, see (1) the application for amendment dated May 24, 1982, June 1, 1982, June 7, 1982 and June 14, 1982, (2) Amendment No. 2 to License June , 1982. All of these items are available for public inspection at the Commission's Public Document Room, 1717 H Street, N. W., Washington, D. C. 20555, and the Public Library of Illinois Valley Community College, Rural Route No. 1, Ogelsby, Illinois. A copy of items (2) and (3) may be obtained upon request addressed to the U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Director, Division of Licensing.

Dated at Bethesda, Maryland, this day of June 1982.

FOR THE NUCLEAR REGULATORY COMMISSION

A. Schwencer, Chief
Licensing Branch No. 2
Division of Licensing

AMENDMENT O.K.
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