

TABLE 3.3.2-2 (Continued)

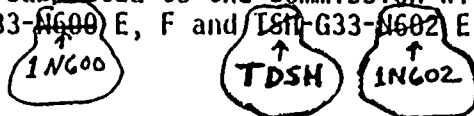
ISOLATION ACTUATION INSTRUMENTATION SETPOINTS

<u>TRIP FUNCTION</u>	<u>TRIP SETPOINT</u>	<u>ALLOWABLE VALUE</u>
h. HPCI Pipe Routing Area Δ Temperature - High	≤ 89°F <sup>##</sup>	≤ 98°F <sup>##</sup>
i. Manual Initiation	NA	NA
j. Drywell Pressure - High	≤ 1.72 psig	≤ 1.88 psig
7. <u>RHR SYSTEM SHUTDOWN COOLING/HEAD SPRAY MODE ISOLATION</u>		
a. Reactor Vessel Water Level - Low, Level 3	≥ 13.0 inches*	≥ 11.5 inches
b. Reactor Vessel (RHR Cut-in Permissive) Pressure - High	≤ 98 psig	≤ 108 psig
c. RHR Equipment Area Δ Temperature - High	≤ 89°F <sup>**</sup>	≤ 90.5°F <sup>**</sup>
d. RHR Equipment Area Temperature - High	≤ 167°F <sup>**</sup>	≤ 170.5°F <sup>**</sup>
e. RHR Flow - High	≤ 25,000 gpm	≤ 26,000 gpm
f. Manual Initiation	NA	NA
g. Drywell Pressure - High	≤ 1.72 psig	≤ 1.88 psig

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

\*\*Initial setpoint. Final setpoint to be determined during startup test program. Any required change to this setpoint shall be submitted to the Commission within 90 days of test completion.

#Lower setpoints for TSH-G33-1600 E, F and TSH-G33-1602 E, F.  
##15 minute time delay.



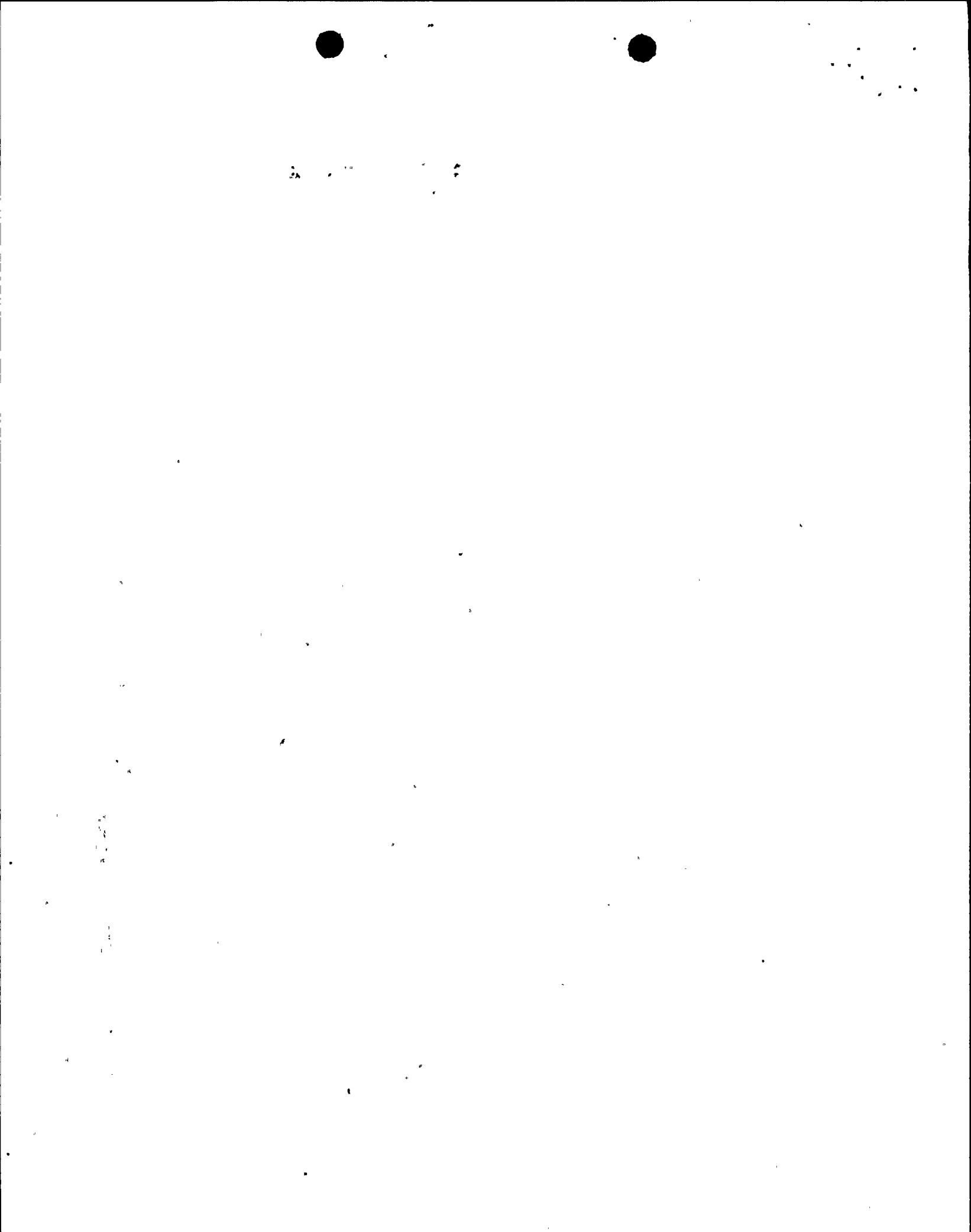
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SUSQUEHANNA - UNIT 1

3/4, 3-20

Amendment No. 36

8712230080 871218  
PDR ADDCK 05000387  
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## CO<sub>2</sub> SYSTEMS

### LIMITING CONDITIONS

3.7.6.3 The following low pressure CO<sub>2</sub> systems shall be OPERABLE:

- a. Control Room Under Floor, Unit 1
- b. Control Room Under Floor, Unit 2
- c. Lower Relay Room, Unit 1<sup>#</sup>
- d. Upper Relay Room, Unit 1<sup>#</sup>
- e. South Cable Chase
- f. Center Cable Chase
- g. North Cable Chase
- h. Room C-411 Soffit
- i. Control Room Soffit, Unit 1
- j. Control Room Soffit, Unit 2
- k. Room C-412 Soffit

APPLICABILITY: Whenever equipment protected by the CO<sub>2</sub> systems is required to be OPERABLE.

#### ACTION:

- a. With one or more of the above required CO<sub>2</sub> systems inoperable, within 1 hour establish a continuous fire watch with backup fire suppression equipment for those areas in which redundant systems or components could be damaged; for other areas, establish an hourly fire watch patrol. |26
- b. The provisions of Specification 3.0.3 and 3.0.4 are not applicable.

### SURVEILLANCE REQUIREMENTS

4.7.6.3.1 Each of the above required low pressure CO<sub>2</sub> systems shall be demonstrated OPERABLE at least once per 31 days by verifying that each valve, manual, power operated, or automatic, in the flow path is in its correct position.

4.7.6.3.2. Each of the above required low pressure CO<sub>2</sub> systems shall be demonstrated OPERABLE:

- a. At least once per 7 days by verifying the CO<sub>2</sub> storage tank level to be greater than 25% and pressure to be greater than 270 psig, and |29
- b. At least once per 18 months by:
  1. Verifying the system valves and associated ventilation dampers and fire door release mechanisms actuate manually and automatically, upon receipt of a simulated actuation signal, and
  2. Flow from each accessible nozzle by performance of a "Puff Test."

<sup>#</sup> Accessible nozzles.



3/4.8.3 ONSITE POWER DISTRIBUTION SYSTEMS

DISTRIBUTION - OPERATING

LIMITING CONDITION FOR OPERATION

3.8.3.1 The following power distribution system divisions shall be energized with tie breakers open both between redundant buses within the unit and between units at the same station:

a. A.C. power distribution:

1. Division I, consisting of:

- a) Load group Channel "A", consisting of:
  - 1) 4160 volt A.C. switchgear bus 1A201
  - 2) 480 volt A.C. load center 1B210
  - 3) 480 volt A.C. motor control centers 0B516, 0B517  
1B216, 1B217
  - 4) 208/480 volt A.C. instrument panels 1Y216
- b) Load group Channel "C", consisting of:
  - 1) 4160 volt A.C. switchgear bus 1A203
  - 2) 480 volt A.C. load center 1B230
  - 3) 480 volt A.C. motor control centers 0B536, 0B136  
1B236, 1B237
  - 4) 208/120 volt A.C. instrument panels 1Y236
- c) Isolated 480 volt A.C. swing bus, including: 1B219
  - 1) Preferred power source
  - 2) Preferred power source MG set
  - 3) Alternate power source
  - 4) Automatic transfer switch

2. Division II, consisting of:

- a) Load group Channel "B", consisting of:
  - 1) 4160 volt A.C. switchgear bus 1A202
  - 2) 480 volt A.C. load center 1B220
  - 3) 480 volt A.C. motor control centers 0B526, 0B527  
1B226, 1B227
  - 4) 208/120 volt A.C. instrument panels 1Y226
- b) Load group Channel "D", consisting of:
  - 1) 4160 volt A.C. switchgear bus 1A204
  - 2) 480 volt A.C. load center 1B240
  - 3) 480 volt A.C. motor control centers 0B546, 0B146  
1B246, 1B247
  - 4) 208/120 volt A.C. instrument panels 1Y246
- c) Isolated 480 volt A.C. swing bus, including: 1B229
  - 1) Preferred power source
  - 2) Preferred power source MG set
  - 3) Alternate power source
  - 4) Automatic transfer switch

b. D.C. power distribution:

1. Division I, consisting of:

- a) Load group Channel "A", consisting of:
  - 1) 125 volt DC buses 1D612, 2D612\*  
1D614, 2D614\*
  - 2) Fuse box 1D611, 2D611\*

~~\*Not required to be OPERABLE when the requirements of ACTION C have been satisfied.~~

3/4.8.3 ONSITE POWER DISTRIBUTION SYSTEMS

DISTRIBUTION - OPERATING

LIMITING CONDITION FOR OPERATION

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- c) Isolated 480 volt A.C. swing bus, including: 1B229
  - 1) Preferred power source
  - 2) Preferred power source MG set
  - 3) Alternate power source
  - 4) Automatic transfer switch
  
- 3. Diesel Generator E, when aligned to the Class 1E system
  - a) Load group consisting of:
    - 1) 480 volt A.C. motor control center 0B565
  
- b. D.C. power distribution:
  - 1. Division I, consisting of:
    - a) Load group Channel "A", consisting of:
      - 1) 125 volt DC buses 10612, 2D612,\*  
10614, 2D614\*
      - 2) Fuse box 10611, 2D611\*

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\*Not required to be OPERABLE when the requirements of ACTION C have been satisfied.

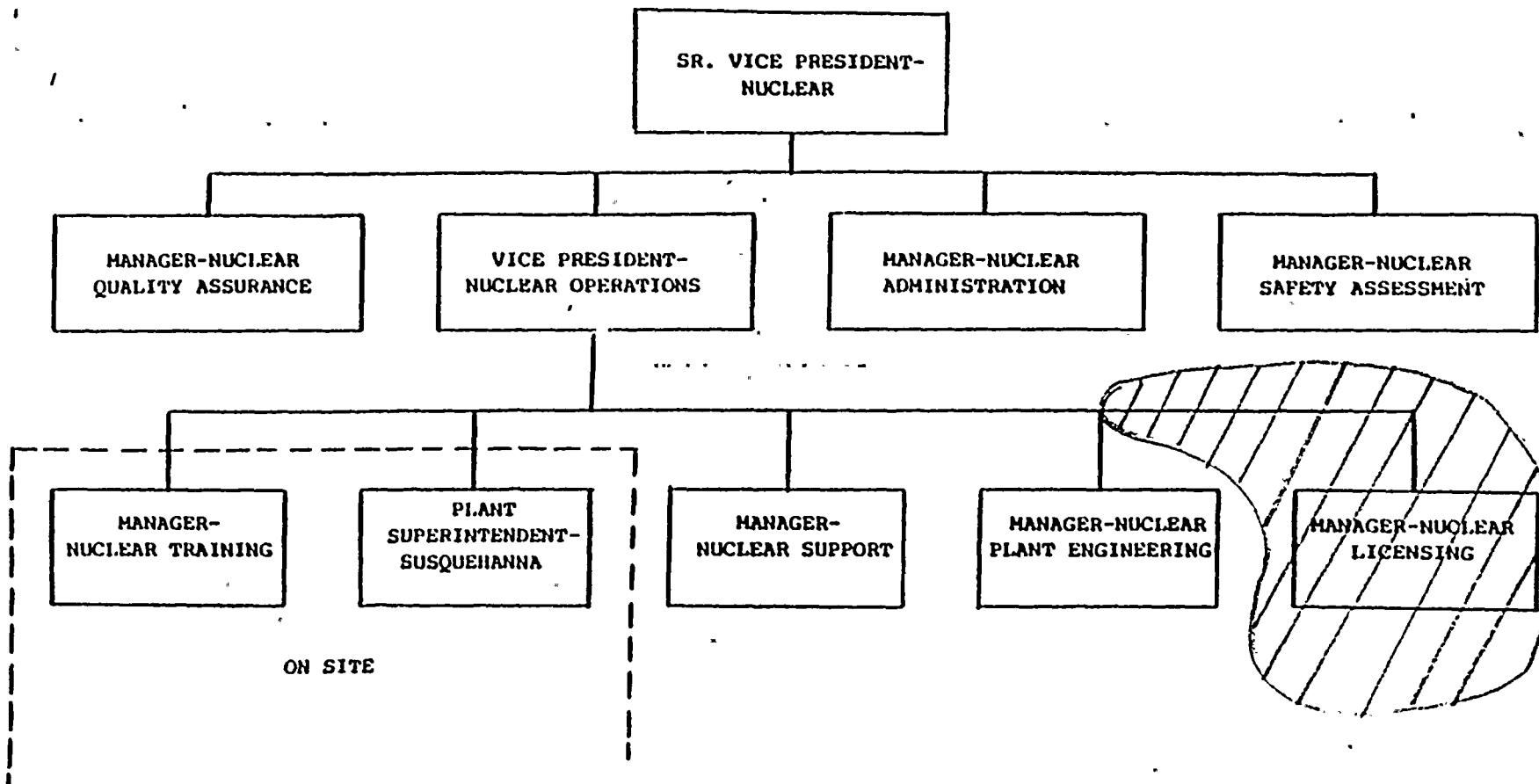


Figure 6.2.1-1  
OFFSITE ORGANIZATION

TABLE 3.3.2-2 (Continued)

ISOLATION ACTUATION INSTRUMENTATION SETPOINTS

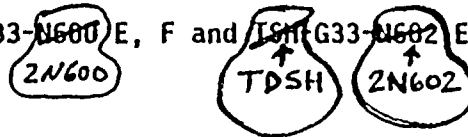
<u>TRIP FUNCTION</u>	<u>TRIP SETPOINT</u>	<u>ALLOWABLE VALUE</u>
<u>7. RHR SYSTEM SHUTDOWN COOLING/HEAD SPRAY MODE ISOLATION</u>		
a. Reactor Vessel Water Level - Low, Level 3	$\geq 13.0$ inches*	$\geq 11.5$ inches
b. Reactor Vessel (RHR Cut-in Permissive) Pressure - High	$\leq 98$ psig	$\leq 108$ psig
c. RHR Equipment Area $\Delta$ Temperature - High	$\leq 89^{\circ}\text{F}^{**}$	$\leq 90.5^{\circ}\text{F}^{**}$
d. RHR Equipment Area Temperature - High	$\leq 167^{\circ}\text{F}^{**}$	$\leq 170.5^{\circ}\text{F}^{**}$
e. RHR Flow - High	$\leq 25,000$ gpm	$\leq 26,000$ gpm
f. Manual Initiation	NA	NA
g. Drywell Pressure - High	$\leq 1.72$ psig	$\leq 1.88$ psig

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

\*\*Initial setpoint. Final setpoint to be determined during startup test program. Any required change to this setpoint shall be submitted to the Commission within 90 days of test completion.

#Lower setpoints for TSH-G33-N600 E, F and TSH-G33-N602 E, F.

##15 minute time delay.





CONTAINMENT SYSTEMS

DRYWELL AVERAGE AIR TEMPERATURE

LIMITING CONDITION FOR OPERATION

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3.6.1.7 Drywell average air temperature shall not exceed 135°F.

APPLICABILITY: OPERATIONAL CONDITIONS 1, 2, and 3.

ACTION:

With the drywell average air temperature greater than 135°F, reduce the average air temperature to within the limit within 8 hours or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.

SURVEILLANCE REQUIREMENTS

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4.6.1.7 The drywell average air temperature shall be the arithmetical average of the higher temperature at a minimum of three of the following elevations and shall be determined to be within the limit at least once per 24 hours:

	<u>Elevation</u>	<u>Azimuth</u>
a.	797'8"	105°, 285°
b.	752'2"	90°, 270° 80°, 280°
*c.	725' or <sup>716</sup> <del>711</del> '	<del>260°</del> 80° 258° 40°, 260°
*d.	711' or 720'	270°, 85° 80°, 270°

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\*Measurements taken at these elevations will only contribute one value towards the minimum three values required to compute the average.

# INFORMATION ONLY : PROPOSED AMENDMENT 40

## CONTAINMENT SYSTEMS

### DRYWELL AVERAGE AIR TEMPERATURE

#### LIMITING CONDITION FOR OPERATION

3.6.1.7 Drywell average air temperature shall not exceed 135°F.

APPLICABILITY: OPERATIONAL CONDITIONS 1, 2, and 3.

#### ACTION:

With the drywell average air temperature greater than 135°F, reduce the average air temperature to within the limit within 8 hours or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.

#### SURVEILLANCE REQUIREMENTS

4.6.1.7 The drywell average air temperature shall be the arithmetical <sup>areas</sup> average of the higher temperature at a minimum of three of the following ~~elevations~~ and shall be determined to be within the limit at least once per 24 hours:

<u>Area</u>	<u>Elevation</u>	<u>Azimuth</u>
a. Top	a. 797'8"	105°, 285°
b. Middle	b. 752'2"	80°, 280°
c. Bottom	c. 725' or 711'	40°, 260°
d. Pedestal	d. 711' or 720'	80°, 270°

~~\*Measurements taken at these elevations will only contribute one value towards the minimum three values required to compute the average.~~

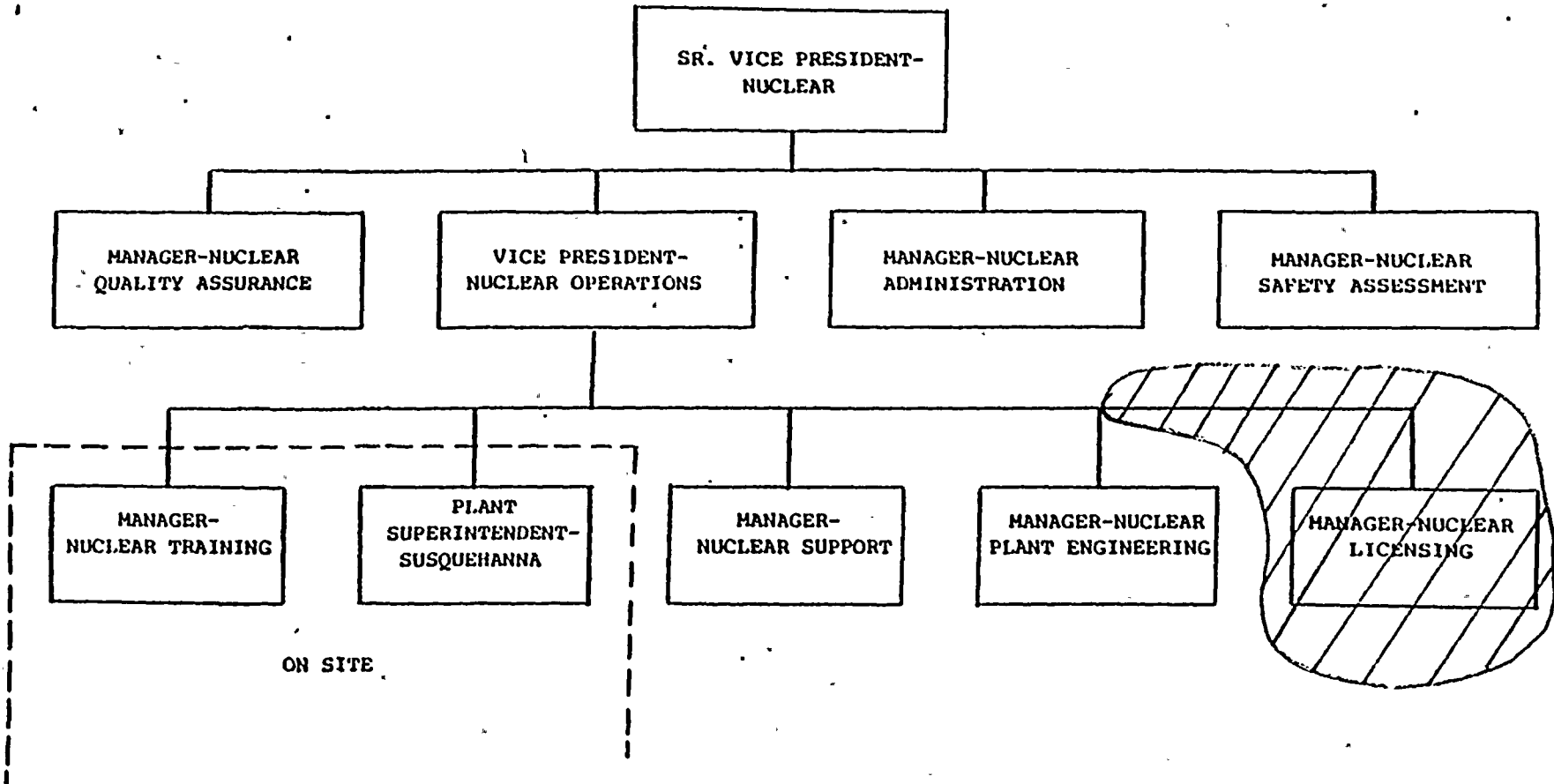


Figure 6.2.1-1

OFFSITE ORGANIZATION

