

TABLE 3.3-4 (Continued)

ENGINEERED SAFETY FEATURE ACTUATION SYSTEM INSTRUMENTATION TRIP VALUES

<u>FUNCTIONAL UNIT</u>	<u>TRIP VALUE</u>	<u>ALLOWABLE VALUES</u>
9. CONTROL ROOM ISOLATION (CRIS)		
a. Manual CRIS (Trip Buttons)	Not Applicable	Not Applicable
b. Manual SIAS (Trip Buttons)	Not Applicable	Not Applicable
c. Airborne Radiation		
i. Particulate/Iodine	$\leq 5.7 \times 10^4$ cpm**	$\leq 6.0 \times 10^4$ cpm**
ii. Gaseous	$\leq 3.8 \times 10^2$ cpm**	$\leq 4.0 \times 10^2$ cpm**
d. Automatic Actuation Logic	Not Applicable	Not Applicable
10. TOXIC GAS ISOLATION (TGIS)		
a. Manual (Trip Buttons)	Not Applicable	Not Applicable
b. Chlorine - High	≤ 14.3 ppm	≤ 15.0 ppm
c. Ammonia - High	≤ 97 ppm	≤ 100 ppm
d. Butane/Propane - High	≤ 193 ppm	≤ 200 ppm
e. Automatic Actuation Logic	Not Applicable	Not Applicable

TABLE 3.3-4 (Continued)

TABLE NOTATION

- (1) Value may be decreased manually, to a minimum of greater than or equal to 300 psia, as pressurizer pressure is reduced, provided the margin between the pressurizer and this value is maintained at less than or equal to 400 psia;* the setpoint shall be increased automatically as pressurizer pressure is increased until the trip setpoint is reached. Trips may be bypassed when pressurizer pressure is < 400 psia. Bypass shall be automatically removed before pressurizer pressure exceeds 500 psia (the corresponding bistable allowable value is ≤ 472 psia).
- (2) Value may be decreased manually as steam generator pressure is reduced, provided the margin between the steam generator pressure and this value is maintained at less than or equal to 200 psi;* the setpoint shall be increased automatically as steam generator pressure is increased until the trip setpoint is reached.
- (3) % of the distance between steam generator upper and lower level instrument nozzles.
- (4) Deleted.
- (5) Actuated equipment only; does not result in CIAS.
- (6) The trip setpoint shall be set sufficiently high to prevent spurious alarms/trips yet sufficiently low to assure an alarm/trip should an inadvertent release occur.
- (7) Prior to the completion of DCP 53N, the setpoints for Containment Airborne Radiation Monitor 2RT-7804-1 shall be determined by the ODCM.
- (8) The trip setpoint shall be set sufficiently high to prevent spurious alarm/trips yet sufficiently low to assure an alarm/trip should a fuel handling accident occur.

*Variable setpoints are for use only during normal, controlled plant heatups and cooldowns.

**Above normal background.

"ATTACHMENT "B"

EXISTING SPECIFICATIONS
UNIT 3

TABLE 3.3-4 (Continued)

ENGINEERED SAFETY FEATURES ACTUATION SYSTEM INSTRUMENTATION TRIP VALUES

<u>FUNCTIONAL UNIT</u>	<u>TRIP VALUE</u>	<u>ALLOWABLE VALUES</u>
9. CONTROL ROOM ISOLATION (CRIS)		
a. Manual CRIS (Trip Buttons)	Not Applicable	Not Applicable
b. Manual SIAS (Trip Buttons)	Not Applicable	Not Applicable
c. Airborne Radiation		
i. Particulate/Iodine	$\leq 5.7 \times 10^4$ cpm**	$\leq 6.0 \times 10^4$ cpm**
ii. Gaseous	$\leq 3.8 \times 10^2$ cpm**	$\leq 4.0 \times 10^2$ cpm**
d. Automatic Actuation Logic	Not Applicable	Not Applicable
10. TOXIC GAS ISOLATION (TGIS)		
a. Manual (Trip Buttons)	Not Applicable	Not Applicable
b. Chlorine - High	≤ 14.3 ppm	≤ 15.0 ppm
c. Ammonia - High	≤ 97 ppm	≤ 100 ppm
d. Butane/Propane - High	≤ 193 ppm	≤ 200 ppm
e. Automatic Actuation Logic	Not Applicable	Not Applicable

TABLE 3.3-4 (Continued)

TABLE NOTATION

- (1) Value may be decreased manually, to a minimum of greater than or equal to 300 psia, as pressurizer pressure is reduced, provided the margin between the pressurizer and this value is maintained at less than or equal to 400 psia;* the setpoint shall be increased automatically as pressurizer pressure is increased until the trip setpoint is reached. Trips may be bypassed when pressurizer pressure is < 400 psia. Bypass shall be automatically removed before pressurizer pressure exceeds 500 psia (the corresponding bistable allowable value is ≤ 472 psia).
- (2) Value may be decreased manually as steam generator pressure is reduced, provided the margin between the steam generator pressure and this value is maintained at less than or equal to 200 psi;* the setpoint shall be increased automatically as steam generator pressure is increased until the trip setpoint is reached.
- (3) % of the distance between steam generator upper and lower level instrument nozzles.
- (4) Deleted.
- (5) Actuated equipment only; does not result in CIAS.
- (6) The trip setpoint shall be set sufficiently high to prevent spurious alarms/trips yet sufficiently low to assure an alarm/trip should an inadvertent release occur.
- (7) Prior to the completion of DCP 53N, the setpoints for Containment Airborne Radiation Monitor 3RT-7804-1 shall be determined by the ODCM.
- (8) The trip setpoint shall be set sufficiently high to prevent spurious alarm/trips yet sufficiently low to assure an alarm/trip should a fuel handling accident occur.

* Variable setpoints are for use only during normal, controlled plant heatups and cooldowns.

**Above normal background.

"ATTACHMENT "C"

PROPOSED SPECIFICATIONS
UNIT 2

TABLE 3.3-4 (Continued)

ENGINEERED SAFETY FEATURE ACTUATION SYSTEM INSTRUMENTATION TRIP VALUES

<u>FUNCTIONAL UNIT</u>	<u>TRIP VALUE</u>	<u>ALLOWABLE VALUES</u>
9. CONTROL ROOM ISOLATION (CRIS)		
a. Manual CRIS (Trip Buttons)	Not Applicable	Not Applicable
b. Manual SIAS (Trip Buttons)	Not Applicable	Not Applicable
c. Control Room Airborne Radiation		
i. Particulate/Iodine	$\leq 5.7 \times 10^4$ cpm**	$\leq 6.0 \times 10^4$ cpm**
ii. Gaseous	$\leq 3.8 \times 10^2$ cpm**	$\leq 4.0 \times 10^2$ cpm**
d. Automatic Actuation Logic	Not Applicable	Not Applicable
10. TOXIC GAS ISOLATION (TGIS)		
a. Manual (Trip Buttons)	Not Applicable	Not Applicable
b. Chlorine - High	≤ 14.3 ppm	≤ 15.0 ppm
c. Ammonia - High	≤ 97 ppm	≤ 100 ppm
d. Butane/Propane - High	≤ 193 ppm	≤ 200 ppm
e. Automatic Actuation Logic	Not Applicable	Not Applicable

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TABLE 3.3-4 (Continued)

TABLE NOTATION

- (1) Value may be decreased manually, to a minimum of greater than or equal to 300 psia, as pressurizer pressure is reduced, provided the margin between the pressurizer and this value is maintained at less than or equal to 400 psia;* the setpoint shall be increased automatically as pressurizer pressure is increased until the trip setpoint is reached. Trips may be bypassed when pressurizer pressure is < 400 psia. Bypass shall be automatically removed before pressurizer pressure exceeds 500 psia (the corresponding bistable allowable value is ≤ 472 psia).
- (2) Value may be decreased manually as steam generator pressure is reduced, provided the margin between the steam generator pressure and this value is maintained at less than or equal to 200 psi;* the setpoint shall be increased automatically as steam generator pressure is increased until the trip setpoint is reached.
- (3) % of the distance between steam generator upper and lower level instrument nozzles.
- (4) Deleted.
- (5) Actuated equipment only; does not result in CIAS.
- (6) The trip setpoint shall be set sufficiently high to prevent spurious alarms/trips yet sufficiently low to assure an alarm/trip should an inadvertent release occur.
- (7) ~~Prior to the completion of DCP 53N, the setpoints for Containment-Airborne Radiation Monitor 2RT 7804-1 shall be determined by the ODCM.~~
Deleted.
- (8) The trip setpoint shall be set sufficiently high to prevent spurious alarms/trips yet sufficiently low to assure an alarm/trip should a fuel handling accident occur.

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*Variable setpoints are for use only during normal, controlled plant heatups and cooldowns.

**Above normal background.

ATTACHMENT "D"

PROPOSED SPECIFICATIONS
UNIT 3

TABLE 3.3-4 (Continued)

ENGINEERED SAFETY FEATURES ACTUATION SYSTEM INSTRUMENTATION TRIP VALUES

<u>FUNCTIONAL UNIT</u>	<u>TRIP VALUE</u>	<u>ALLOWABLE VALUES</u>
9. CONTROL ROOM ISOLATION (CRIS)		
a. Manual CRIS (Trip Buttons)	Not Applicable	Not Applicable
b. Manual SIAS (Trip Buttons)	Not Applicable	Not Applicable
c. Control Room Airborne Radiation		
i. Particulate/Iodine	$\leq 5.7 \times 10^4 \text{ cpm}^{**}$	$\leq 6.0 \times 10^4 \text{ cpm}^{**}$
ii. Gaseous	$\leq 3.8 \times 10^2 \text{ cpm}^{**}$	$\leq 4.0 \times 10^2 \text{ cpm}^{**}$
d. Automatic Actuation Logic	Not Applicable	Not Applicable
10. TOXIC GAS ISOLATION (TGIS)		
a. Manual (Trip Buttons)	Not Applicable	Not Applicable
b. Chlorine - High	$\leq 14.3 \text{ ppm}$	$\leq 15.0 \text{ ppm}$
c. Ammonia - High	$\leq 97 \text{ ppm}$	$\leq 100 \text{ ppm}$
d. Butane/Propane - High	$\leq 193 \text{ ppm}$	$\leq 200 \text{ ppm}$
e. Automatic Actuation Logic	Not Applicable	Not Applicable

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TABLE 3.3-4 (Continued)

TABLE NOTATION

- (1) Value may be decreased manually, to a minimum of greater than or equal to 300 psia, as pressurizer pressure is reduced, provided the margin between the pressurizer and this value is maintained at less than or equal to 400 psia; the setpoint shall be increased automatically as pressurizer pressure is increased until the trip setpoint is reached. Trips may be bypassed when pressurizer pressure is < 400 psia. Bypass shall be automatically removed before pressurizer pressure exceeds 500 psia (the corresponding bistable allowable value is ≤ 472 psia).
- (2) Value may be decreased manually as steam generator pressure is reduced, provided the margin between the steam generator pressure and this value is maintained at less than or equal to 200 psi; the setpoint shall be increased automatically as steam generator pressure is increased until the trip setpoint is reached.
- (3) % of the distance between steam generator upper and lower level instrument nozzles.
- (4) Deleted.
- (5) Actuated equipment only; does not result in CIAS.
- (6) The trip setpoint shall be set sufficiently high to prevent spurious alarms/trips yet sufficiently low to assure an alarm/trip should an inadvertent release occur.
- (7) ~~Prior to the completion of DCP 53N, the setpoints for Containment Airborne Radiation Monitor 3T 7804 1 shall be determined by the ODCM.~~
Deleted.
- (8) The trip setpoint shall be set sufficiently high to prevent spurious alarms/trips yet sufficiently low to assure an alarm/trip should a fuel handling accident occur.

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*Variable setpoints are for use only during normal, controlled plant heatups and cooldowns.

**Above normal background.

ATTACHMENT "E"

POST PCN-299 (TECHNICAL SPECIFICATION IMPROVEMENT PROGRAM) SPECIFICATIONS
UNIT 2

SURVEILLANCE REQUIREMENTS (continued)

SURVEILLANCE	FREQUENCY
<p>SR 3.3.9.2 Perform a CHANNEL FUNCTIONAL TEST on required CRIS radiation monitor channel.</p> <p>Verify CRIS high radiation setpoint is $\leq 4E2$ cpm above normal background.</p>	92 days
<p>SR 3.3.9.3 -----NOTE----- Surveillance of Actuation Logic shall include the verification of the proper operation of each initiation relay. -----</p> <p>Perform a CHANNEL FUNCTIONAL TEST on required CRIS Actuation Logic channel.</p>	18 months
<p>SR 3.3.9.4 Perform a CHANNEL CALIBRATION on required CRIS radiation monitor channel.</p>	18 months
<p>SR 3.3.9.5 Perform a CHANNEL FUNCTIONAL TEST on required CRIS Manual Trip channel.</p>	18 months

ATTACHMENT "F"

POST PCN-299 (TECHNICAL SPECIFICATION IMPROVEMENT PROGRAM) SPECIFICATIONS
UNIT 3

SURVEILLANCE REQUIREMENTS (continued)

SURVEILLANCE		FREQUENCY
SR 3.3.9.2	Perform a CHANNEL FUNCTIONAL TEST on required CRIS radiation monitor channel. Verify CRIS high radiation setpoint is $\leq 4E2$ cpm above normal background.	92 days
SR 3.3.9.3	-----NOTE----- Surveillance of Actuation Logic shall include the verification of the proper operation of each initiation relay. ----- Perform a CHANNEL FUNCTIONAL TEST on required CRIS Actuation Logic channel.	18 months
SR 3.3.9.4	Perform a CHANNEL CALIBRATION on required CRIS radiation monitor channel.	18 months
SR 3.3.9.5	Perform a CHANNEL FUNCTIONAL TEST on required CRIS Manual Trip channel.	18 months

ATTACHMENT "G"

PROPOSED SPECIFICATIONS
Unit 2

SURVEILLANCE REQUIREMENTS (continued)

SURVEILLANCE		FREQUENCY
SR 3.3.9.2	<p>Perform a CHANNEL FUNCTIONAL TEST on required CRIS <u>airborne</u> radiation monitor channel.</p> <p>Verify CRIS high radiation setpoint is $\leq 4E2$ cpm above normal background.</p>	92 days
SR 3.3.9.3	<p>-----NOTE-----</p> <p>Surveillance of Actuation Logic shall include the verification of the proper operation of each initiation relay.</p> <p>-----</p> <p>Perform a CHANNEL FUNCTIONAL TEST on required CRIS Actuation Logic channel.</p>	18 months
SR 3.3.9.4	Perform a CHANNEL CALIBRATION on required CRIS <u>airborne</u> radiation monitor channel.	18 months
SR 3.3.9.5	Perform a CHANNEL FUNCTIONAL TEST on required CRIS Manual Trip channel.	18 months

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ATTACHMENT "H"

PROPOSED SPECIFICATIONS
Unit 3

SURVEILLANCE REQUIREMENTS (continued)

SURVEILLANCE	FREQUENCY
<p>SR 3.3.9.2 Perform a CHANNEL FUNCTIONAL TEST on required CRIS airborne radiation monitor channel.</p> <p>Verify CRIS high* radiation setpoint is $\leq 4E2$ cpm above normal background.</p>	<p>92 days</p> <p><i>PCN-432</i></p> <p><i>PCN-432</i></p> <p><i>Supp. 1</i></p>
<p>SR 3.3.9.3 -----NOTE-----</p> <p>Surveillance of Actuation Logic shall include the verification of the proper operation of each initiation relay.</p> <p>-----</p> <p>Perform a CHANNEL FUNCTIONAL TEST on required CRIS Actuation Logic channel.</p>	<p>18 months</p>
<p>SR 3.3.9.4 Perform a CHANNEL CALIBRATION on required CRIS airborne radiation monitor channel.</p>	<p>18 months</p> <p><i>PCN-432</i></p>
<p>SR 3.3.9.5 Perform a CHANNEL FUNCTIONAL TEST on required CRIS Manual Trip channel.</p>	<p>18 months</p>