

INSTRUMENTATION

ACCIDENT MONITORING INSTRUMENTATION

LIMITING CONDITION FOR OPERATION

3.3.7.5 The accident monitoring instrumentation channels shown in Table 3.3.7.5-1 shall be OPERABLE.

APPLICABILITY: OPERATIONAL CONDITIONS 1 and 2.

ACTION:

- a. With the number of OPERABLE accident monitoring instrumentation channels less than the Required Number Of Channels shown in Table 3.3.7.5-1, restore the inoperable channels to OPERABLE status within 7 days or be in at least HOT SHUTDOWN within the next 12 hours.
- b. With the number of OPERABLE accident monitoring instrumentation channels less than the Minimum Channels OPERABLE requirements of Table 3.3.7.5-1, restore the inoperable channel(s) to OPERABLE status within 48 hours or be in at least HOT SHUTDOWN within the next 12 hours.

SURVEILLANCE REQUIREMENTS

4.3.7.5 Each of the above required accident monitoring instrumentation channels shall be demonstrated OPERABLE by performance of the CHANNEL CHECK and CHANNEL CALIBRATION operations at the frequencies shown in Table 4.3.7.5-1.

With one or more Accident Monitoring instrumentation channels inoperable, take the ACTION required by Table 3.3.7.5-1.

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TABLE 3.3.7.5-1

ACCIDENT MONITORING INSTRUMENTATION

	<u>REQUIRED NUMBER OF CHANNELS</u>	<u>MINIMUM CHANNELS OPERABLE</u>	<u>ACTION</u>
1. Reactor Vessel Pressure	2	1	80
2. Reactor Vessel Water Level	2	1	80
3. Suppression Chamber Water Level	2	1	80
4. Suppression Chamber Water Temperature	7, 1/well <sup>#</sup>	7, 1/well <sup>#</sup>	80
5. Suppression Chamber Air Temperature	2	1	80
6. Drywell Pressure	2	1	80
7. Drywell Air Temperature	2	1	80
8. Drywell Oxygen Concentration*	2	1	80
9. Drywell Hydrogen Concentration Analyzer* and Monitor	2	1	82
10. Primary Containment Gross Gamma Radiation	2	1	81
11. Safety/Relief Valve Position Indicators	1/valve	1/valve	80
12. Noble Gas Monitor, Main Stack	1	1	81
13. Noble Gas Monitor, Standby Gas Treatment System Stack	1	1	81

\* Actuated after LOCA.

<sup>#</sup> Initial requirement. Final requirement to be determined after demonstration of correlation of pool bulk temperature as measured by each division to pool bulk temperature as measured by both divisions. Results of demonstration and necessary changes to this specification shall be submitted to the Commission within 90 days of demonstration.

Table 3.3.7.5-1 (Continued)

ACCIDENT MONITORING INSTRUMENTATION  
ACTION STATEMENTS

ACTION 80 -

- a. With the number of OPERABLE accident monitoring instrumentation channels less than the Required Number of Channels shown in Table 3.3.7.5-1, restore the inoperable channel(s) to OPERABLE status within 7 days or be in at least HOT SHUTDOWN within the next 12 hours.
- b. With the number of OPERABLE accident monitoring instrumentation channels less than the Minimum Channels OPERABLE requirements of Table 3.3.7.5-1, restore the inoperable channel(s) to OPERABLE status within 48 hours or be in at least HOT SHUTDOWN within the next 12 hours.

ACTION 81 -

With the number of OPERABLE channels less than required by the minimum channels OPERABLE requirements, initiate the preplanned alternate method of monitoring the appropriate parameter(s) within 72 hours, and:

- 1) either restore the inoperable channel(s) to OPERABLE status within 7 days of the event, or
  - 2) prepare and submit a Special Report to the Commission pursuant to Specification ~~6.9.2~~ within 14 days following the event outlining the action taken, the cause of the inoperability and the plans and schedule for restoring the system to OPERABLE status.
- 6.6.C

ACTION 82 -

- a. With the number of OPERABLE channels one less than the required number of channels shown in Table 3.3.7.5-1, restore the inoperable channel to OPERABLE status within 30 days or be in at least HOT SHUTDOWN within the next 12 hours.
- b. With the number of OPERABLE channels less than the minimum channels OPERABLE requirements of Table 3.3.7.5-1, restore at least one channel to OPERABLE status within 7 days or be in at least HOT SHUTDOWN within the next 12 hours.

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TABLE 4.3.7.5-1

ACCIDENT MONITORING INSTRUMENTATION SURVEILLANCE REQUIREMENTS

<u>INSTRUMENT</u>	<u>CHANNEL CHECK</u>	<u>CHANNEL CALIBRATION</u>
1. Reactor Vessel Pressure	M	R
2. Reactor Vessel Water Level	M	R
3. Suppression Chamber Water Level	M	R
4. Suppression Chamber Water Temperature	M	R
5. Suppression Chamber Air Temperature	M	R
6. Primary Containment Pressure	M	R
7. Drywell Air Temperature	M	R
8. Drywell Oxygen Concentration	M	R
9. Drywell Hydrogen Concentration Analyzer and Monitor	M	Q*
10. Primary Containment Gross Gamma Radiation	M	R
11. Safety/Relief Valve Position Indicators	M	R
12. Noble Gas Monitor, Main Stack	M	R
13. Noble Gas Monitor, Standby Gas Treatment System Stack	M	R

\*Using sample gas containing four volume percent hydrogen, balance nitrogen.

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## INSTRUMENTATION

### ACCIDENT MONITORING INSTRUMENTATION

#### LIMITING CONDITION FOR OPERATION

3.3.7.5 The accident monitoring instrumentation channels shown in Table 3.3.7.5-1 shall be OPERABLE.

APPLICABILITY: OPERATIONAL CONDITIONS 1 and 2.

#### ACTION:

- 
- a. With the number of OPERABLE accident monitoring instrumentation channels less than the Required Number Of Channels shown in Table 3.3.7.5-1, restore the inoperable channels to OPERABLE status within 7 days or be in at least HOT SHUTDOWN within the next 12 hours.
  - b. With the number of OPERABLE accident monitoring instrumentation channels less than the Minimum Channels OPERABLE requirements of Table 3.3.7.5-1, restore the inoperable channel(s) to OPERABLE status within 48 hours or be in at least HOT SHUTDOWN within the next 12 hours.

#### SURVEILLANCE REQUIREMENTS

4.3.7.5 Each of the above required accident monitoring instrumentation channels shall be demonstrated OPERABLE by performance of the CHANNEL CHECK and CHANNEL CALIBRATION operations at the frequencies shown in Table 4.3.7.5-1.

[With one or more Accident Monitoring instrumentation channels inoperable, take the ACTION required by Table 3.3.7.5-1.]



TABLE 3.3.7.5-1

ACCIDENT MONITORING INSTRUMENTATION

	REQUIRED NUMBER OF CHANNELS	MINIMUM CHANNELS OPERABLE	ACTION
1. Reactor Vessel Pressure	2	1	80
2. Reactor Vessel Water Level	2	1	80
3. Suppression Chamber Water Level	2	1	80
4. Suppression Chamber Water Temperature	7, 1/well	7, 1/well	80
5. Suppression Chamber Air Temperature	2	1	80
6. Drywell Pressure	2	1	80
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8. Drywell Oxygen Concentration*	2	1	80
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\* Actuated after LOCA.

Table 3.3.7.5-1 (Continued)

ACCIDENT MONITORING INSTRUMENTATION  
ACTION STATEMENTS

ACTION 80 -

- a. With the number of OPERABLE accident monitoring instrumentation channels less than the Required Number of Channels shown in Table 3.3.7.5-1, restore the inoperable channel(s) to OPERABLE status within 7 days or be in at least HOT SHUTDOWN within the next 12 hours.
- b. With the number of OPERABLE accident monitoring instrumentation channels less than the Minimum Channels OPERABLE requirements of Table 3.3.7.5-1, restore the inoperable channel(s) to OPERABLE status within 48 hours or be in at least HOT SHUTDOWN within the next 12 hours.

ACTION 81 -

With the number of OPERABLE channels less than required by the minimum channels OPERABLE requirements, initiate the preplanned alternate method of monitoring the appropriate parameter(s) within 72 hours, and:

- 1) either restore the inoperable channel(s) to OPERABLE status within 7 days of the event, or
  - 2) prepare and submit a Special Report to the Commission pursuant to Specification ~~6.9.2~~ within 14 days following the event outlining the action taken, the cause of the inoperability and the plans and schedule for restoring the system to OPERABLE status.
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ACTION 82 -

- a. With the number of OPERABLE channels one less than the required number of channels shown in Table 3.3.7.5-1, restore the inoperable channel to OPERABLE status within 30 days or be in at least HOT SHUTDOWN within the next 12 hours.
- b. With the number of OPERABLE channels less than the minimum channels OPERABLE requirements of Table 3.3.7.5-1, restore at least one channel to OPERABLE status within 7 days or be in at least HOT SHUTDOWN within the next 12 hours.

TABLE 4.3.7.5-1

ACCIDENT MONITORING INSTRUMENTATION SURVEILLANCE REQUIREMENTS

<u>INSTRUMENT</u>	<u>CHANNEL CHECK</u>	<u>CHANNEL CALIBRATION</u>
1. Reactor Vessel Pressure	M	R
2. Reactor Vessel Water Level	M	R
3. Suppression Chamber Water Level	M	R
4. Suppression Chamber Water Temperature	M	R
5. Suppression Chamber Air Temperature	M	R
6. Primary Containment Pressure	M	R
7. Drywell Air Temperature	M	R
8. Drywell Oxygen Concentration	M	R
9. Drywell Hydrogen Concentration Analyzer and Monitor	M	Q*
10. Primary Containment Gross Gamma Radiation	M	R
11. Safety/Relief Valve Position Indicators	M	R
12. Noble Gas Monitor, Main Stack	M	R
13. Noble Gas Monitor, Standby Gas Treatment System Stack	M	R

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### ATTACHMENT 3

#### Significant Hazards Consideration

Commonwealth Edison has evaluated the proposed Technical Specification Amendment and determined that it does not represent a significant hazards consideration. Based on the criteria for defining a significant hazards consideration established in 10CFR50.92, operation of LaSalle County Station Units 1 and in accordance with the proposed amendment will not:

- 1) Involve a significant increase in the probability or consequences of an accident previously evaluated because the instrumentation provides information helpful to the operator during an accident but the revised actions still provide sufficient assurance that the required information will be available when needed.
- 2) Create the possibility of a new or different kind of accident from any accident previously evaluated because this change does not involve removing any required instrumentation. Therefore, no new or different kind of accident will occur.
- 3) Involve a significant reduction in the margin of safety because this change does not remove the requirement for accident monitoring capability and is consistent with the times allowed to restore equipment to operable status in a reasonable period of time.

Based on the preceding discussion, it is concluded that the proposed system change clearly falls within all acceptable criteria with respect to the system or component, the consequences of previously evaluated accidents will not be increased and the margin of safety will not be decreased. Therefore, based on the guidance provided in the Federal Register and the criteria established in 10CFR50.92e), the proposed change does not constitute a significant hazards consideration.