ATTACHMENT 2 TO AEP:NRC:1200

EXISTING TECHNICAL SPECIFICATION
PAGES MARKED TO REFLECT PROPOSED CHANGES

PLANT SYSTEMS

STEAM GENERATOR STOP VALVES

LIMITING CONDITION FOR OPERATION

3.7.1.5 Each steam generator stop valve shall be OPERABLE.

APPLICABILITY: MODES 1, 2 and 3.

ACTION:

MODES 1 - With one steam generator stop valve inoperable but open, POWER OPERATION may continue provided the inoperable valve is restored to OPERABLE status within ~~24~~ 6 hours; otherwise, reduce power to less than or equal to 5 percent of RATED THERMAL POWER within the next ~~2~~ 6 hours.

Replace with "A"

~~MODES 2 and 3 - With one steam generator stop valve inoperable, subsequent operation in MODES 2 or 3 may proceed provided:~~

~~a. The stop valve is maintained closed;~~

~~b. The provisions of Specification 3.0.4 are not applicable.~~

~~Otherwise, be in HOT SHUTDOWN within the next 12 hours.~~

SURVEILLANCE REQUIREMENTS

4.7.1.5.1 Each steam generator stop valve that is open shall be demonstrated OPERABLE by verifying full closure within 8 seconds when tested pursuant to Specification 4.0.5.

4.7.1.5.2 The provisions of Specification 4.0.4 are not applicable for entry into MODE 3.

4.7.1.5.3 The provisions of Specification 4.0.4 are not applicable for entry into MODE 2 when performing PHYSICS TESTS at the beginning of a cycle provided the steam generator stop valves are maintained closed.

3/4.7.1.3 CONDENSATE STORAGE TANK

The OPERABILITY of the condensate storage tank with the minimum water volume ensures that sufficient water is available to maintain the RCS at HOT STANDBY conditions for 9 hours with steam discharge to the atmosphere concurrent with total loss of off-site power.

3/4.7.1.4 ACTIVITY

The limitations on secondary system specific activity ensure that the resultant off-site radiation dose will be limited to a small fraction of 10 CFR Part 100 limits in the event of a steam line rupture. This dose also includes the effects of a coincident 1.0 gpm primary to secondary tube leak in the steam generator of the affected steam line. These values are consistent with the assumptions used in the accident analyses.

3/4.7.1.5 STEAM GENERATOR STOP VALVES

The OPERABILITY of the steam generator stop valves ensures that no more than one steam generator will blowdown in the event of a steam line rupture. This restriction is required to 1) minimize the positive reactivity effects of the Reactor Coolant System cooldown associated with the blowdown, and 2) limit the pressure rise within containment in the event the steam line rupture occurs within containment. The OPERABILITY of the steam generator stop valves within the closure times of the surveillance requirements are consistent with the assumptions used in the accident analyses.

Add "B"

PLANT SYSTEMS

STEAM GENERATOR STOP VALVES

LIMITING CONDITION FOR OPERATION

3.7.1.5 Each steam generator stop valve shall be OPERABLE.

APPLICABILITY: MODES 1, 2 and 3.

ACTION:

MODE 1 - With one steam generator stop valve inoperable but open, POWER OPERATION may continue provided the inoperable valve is restored to OPERABLE status within 8 hours; otherwise, reduce power to less than or equal to 5 percent of RATED THERMAL POWER within the next 6 hours.

Replace with "A"

MODES 2 and 3 - ~~With one steam generator stop valve inoperable, subsequent operation in MODES 2 or 3 may proceed provided:~~

~~a. The stop valve is maintained closed.~~

~~b. The provisions of Specification 3.0.4 are not applicable.~~

~~Otherwise, be in HOT SHUTDOWN within the next 12 hours.~~

SURVEILLANCE REQUIREMENTS

4.7.1.5.1 Each steam generator stop valve that is open shall be demonstrated OPERABLE by verifying full closure within 8 seconds when tested pursuant to Specification 4.0.5.

4.7.1.5.2 The provisions of Specification 4.0.4 are not applicable for entry into MODE 3.

4.7.1.5.3 The provisions of Specification 4.0.4 are not applicable for entry into MODE 2 when performing PHYSICS TESTS at the beginning of a cycle provided the steam generator stop valves are maintained closed.

3/4.7.1.3 CONDENSATE STORAGE TANK

The OPERABILITY of the condensate storage tank with the minimum water volume ensures that sufficient water is available to maintain the RCS at HOT STANDBY conditions for 9 hours with steam discharge to the atmosphere concurrent with total loss of off-site power. The contained water volume limit includes an allowance for water not usable because of tank discharge line location or other physical characteristics.

3/4.7.1.4 ACTIVITY

The limitations on secondary system specific activity ensure that the resultant off-site radiation dose will be limited to a small fraction of 10 CFR Part 100 limits in the event of a steam line rupture. This dose also includes the effects of a coincident 1.0 gpm primary to secondary tube leak in the steam generator of the affected steam line. These values are consistent with the assumptions used in the accident analyses.

3/4.7.1.5 STEAM GENERATOR STOP VALVES

The OPERABILITY of the steam generator stop valves ensures that no more than one steam generator will blowdown in the event of a steam line rupture. This restriction is required to 1) minimize the positive reactivity effects of the Reactor Coolant System cooldown associated with the blowdown, and 2) limit the pressure rise within containment in the event the steam line rupture occurs within containment. The OPERABILITY of the steam generator stop valves within the closure times of the surveillance requirements are consistent with the assumptions used in the accident analyses.

Add "B"

"A"

Modes 2 and 3: With one or more steam generator stop valves inoperable, close the inoperable valve(s) within 8 hours and verify the inoperable valves are closed at least once per 7 days. Otherwise, be in at least MODE 4 within 12 hours, with the unit in at least MODE 3 within the first 6 hours.

The provisions of Specification 3.0.4 are not applicable.

With one steam generator stop valve inoperable in MODE 1, action must be taken to restore OPERABLE status within 8 hours. Some repairs to the valves can be made with the unit hot. The 8 hour completion time is reasonable, considering the low probability of an accident occurring during this time period that would require a closure of the steam generator stop valves. If the steam generator stop valve cannot be restored to OPERABLE status within 8 hours, the unit must be placed in a MODE in which the LCO does not apply. To achieve this status, the unit must be placed in MODE 2 within 6 hours and the MODES 2 and 3 action statement entered. The completion times are reasonable, based on operating experience, to reach MODE 2 and to close the steam generator stop valves in an orderly manner and without challenging unit systems.

Since the steam generator stop valves are required to be OPERABLE in MODES 2 and 3, the inoperable valves may either be restored to OPERABLE status or closed. When closed, the valves are already in the position required by the assumptions in the safety analysis. The 8 hour completion time is consistent with the MODE 1 action statement requirement. For inoperable steam generator stop valves that cannot be restored to OPERABLE status within the specified completion time, but are closed, the inoperable valves must be verified on a periodic basis to be closed. This is necessary to ensure that the assumptions in the safety analysis remain valid. The 7 day completion time is reasonable, based on engineering judgement, in view of steam generator stop valve status indications available in the control room, and other administrative controls, to ensure that these valves are in the closed position.

If in MODES 2 or 3 the steam generator stop valves cannot be restored to OPERABLE status or are not closed within the associated completion time, the unit must be placed in a MODE in which the LCO does not apply. To achieve this status, the unit must be placed at least in MODE 3 within 6 hours, and in MODE 4 within 12 hours. The allowed completion times are reasonable, based on operating experience, to reach the required unit conditions from MODE 2 conditions in an orderly manner and without challenging unit systems.

ATTACHMENT 3 TO AEP:NRC:1200

PROPOSED REVISED
TECHNICAL SPECIFICATION PAGES

PLANT SYSTEMS

STEAM GENERATOR STOP VALVES

LIMITING CONDITION FOR OPERATION

3.7.1.5 Each steam generator stop valve shall be OPERABLE.

APPLICABILITY: MODES 1, 2 and 3.

ACTION:

MODE 1 - With one steam generator stop valve inoperable but open, POWER OPERATION may continue provided the inoperable valve is restored to OPERABLE status within 8 hours; otherwise, reduce power to less than or equal to 5 percent of RATED THERMAL POWER within the next 6 hours.

MODES 2 and 3 - With one or more steam generator stop valves inoperable, close the inoperable valve(s) within 8 hours and verify the inoperable valves are closed at least once per 7 days. Otherwise, be in at least MODE 4 within 12 hours, with the unit in at least MODE 3 within the first 6 hours.

The provisions of Specification 3.0.4 are not applicable.

SURVEILLANCE REQUIREMENTS

4.7.1.5.1 Each steam generator stop valve that is open shall be demonstrated OPERABLE by verifying full closure within 8 seconds when tested pursuant to Specification 4.0.5.

4.7.1.5.2 The provisions of Specification 4.0.4 are not applicable for entry into MODE 3.

4.7.1.5.3 The provisions of Specification 4.0.4 are not applicable for entry into MODE 2 when performing PHYSICS TESTS at the beginning of a cycle provided the steam generator stop valves are maintained closed.

3/4.7.1.3 CONDENSATE STORAGE TANK

The OPERABILITY of the condensate storage tank with the minimum water volume ensures that sufficient water is available to maintain the RCS at HOT STANDBY conditions for 9 hours with steam discharge to the atmosphere concurrent with total loss of off-site power.

3/4.7.1.4 ACTIVITY

The limitations on secondary system specific activity ensure that the resultant off-site radiation dose will be limited to a small fraction of 10 CFR Part 100 limits in the event of a steam line rupture. This dose also includes the effects of a coincident 1.0 gpm primary to secondary tube leak in the steam generator of the affected steam line. These values are consistent with the assumptions used in the accident analyses.

3/4.7.1.5 STEAM GENERATOR STOP VALVES

The OPERABILITY of the steam generator stop valves ensures that no more than one steam generator will blowdown in the event of a steam line rupture. This restriction is required to 1) minimize the positive reactivity effects of the Reactor Coolant System cooldown associated with the blowdown, and 2) limit the pressure rise within containment in the event the steam line rupture occurs within containment. The OPERABILITY of the steam generator stop valves within the closure times of the surveillance requirements are consistent with the assumptions used in the accident analyses.

With one steam generator stop valve inoperable in MODE 1, action must be taken to restore OPERABLE status within 8 hours. Some repairs to the valves can be made with the unit hot. The 8 hour completion time is reasonable, considering the low probability of an accident occurring during this time period that would require a closure of the steam generator stop valves. If the steam generator stop valve cannot be restored to OPERABLE status within 8 hours, the unit must be placed in a MODE in which the LCO does not apply. To achieve this status, the unit must be placed in MODE 2 within 6 hours and the MODES 2 and 3 action statement entered. The completion times are reasonable, based on operating experience, to reach MODE 2 and to close the steam generator stop valves in an orderly manner and without challenging unit systems.

Since the steam generator stop valves are required to be OPERABLE in MODES 2 and 3, the inoperable valves may either be restored to OPERABLE status or closed. When closed, the valves are already in the position required by the assumptions in the safety analysis. The 8 hour completion time is consistent

3/4.7.1.5 STEAM GENERATOR STOP VALVES (continued)

with the MODE 1 action statement requirement. For inoperable steam generator stop valves that cannot be restored to OPERABLE status within the specified completion time, but are closed, the inoperable valves must be verified on a periodic basis to be closed. This is necessary to ensure that the assumptions in the safety analysis remain valid. The 7 day completion time is reasonable, based on engineering judgement, in view of steam generator stop valve status indications available in the control room, and other administrative controls, to ensure that these valves are in the closed position.

If in MODES 2 or 3 the steam generator stop valves cannot be restored to OPERABLE status or are not closed within the associated completion time, the unit must be placed in a MODE in which the LCO does not apply. To achieve this status, the unit must be placed at least in MODE 3 within 6 hours, and in MODE 4 within 12 hours. The allowed completion times are reasonable, based on operating experience, to reach the required unit conditions from MODE 2 conditions in an orderly manner and without challenging unit systems.

PLANT SYSTEMS

STEAM GENERATOR STOP VALVES

LIMITING CONDITION FOR OPERATION

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APPLICABILITY: MODES 1, 2 and 3.

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MODES 2 and 3 - With one or more steam generator stop valves inoperable, close the inoperable valve(s) within 8 hours and verify the inoperable valves are closed at least once per 7 days. Otherwise, be in at least MODE 4 within 12 hours, with the unit in at least MODE 3 within the first 6 hours.

The provisions of Specification 3.0.4 are not applicable.

SURVEILLANCE REQUIREMENTS

4.7.1.5.1 Each steam generator stop valve that is open shall be demonstrated OPERABLE by verifying full closure within 8 seconds when tested pursuant to Specification 4.0.5.

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4.7.1.5.3 The provisions of Specification 4.0.4 are not applicable for entry into MODE 2 when performing PHYSICS TESTS at the beginning of a cycle provided the steam generator stop valves are maintained closed.

3/4.7.1.3 CONDENSATE STORAGE TANK

The OPERABILITY of the condensate storage tank with the minimum water volume ensures that sufficient water is available to maintain the RCS at HOT STANDBY conditions for 9 hours with steam discharge to the atmosphere concurrent with total loss of off-site power. The contained water volume limit includes an allowance for water not usable because of tank discharge line location or other physical characteristics.

3/4.7.1.4 ACTIVITY

The limitations on secondary system specific activity ensure that the resultant off-site radiation dose will be limited to a small fraction of 10 CFR Part 100 limits in the event of a steam line rupture. This dose also includes the effects of a coincident 1.0 gpm primary to secondary tube leak in the steam generator of the affected steam line. These values are consistent with the assumptions used in the accident analyses.

3/4.7.1.5 STEAM GENERATOR STOP VALVES

The OPERABILITY of the steam generator stop valves ensures that no more than one steam generator will blowdown in the event of a steam line rupture. This restriction is required to 1) minimize the positive reactivity effects of the Reactor Coolant System cooldown associated with the blowdown, and 2) limit the pressure rise within containment in the event the steam line rupture occurs within containment. The OPERABILITY of the steam generator stop valves within the closure times of the surveillance requirements are consistent with the assumptions used in the accident analyses.

With one steam generator stop valve inoperable in MODE 1, action must be taken to restore OPERABLE status within 8 hours. Some repairs to the valves can be made with the unit hot. The 8 hour completion time is reasonable, considering the low probability of an accident occurring during this time period that would require a closure of the steam generator stop valves. If the steam generator stop valve cannot be restored to OPERABLE status within 8 hours, the unit must be placed in a MODE in which the LCO does not apply. To achieve this status, the unit must be placed in MODE 2 within 6 hours and the MODES 2 and 3 action statement entered. The completion times are reasonable, based on operating experience, to reach MODE 2 and to close the steam generator stop valves in an orderly manner and without challenging unit systems.

3/4.7.1.5 STEAM GENERATOR STOP VALVES (continued)

Since the steam generator stop valves are required to be OPERABLE in MODES 2 and 3, the inoperable valves may either be restored to OPERABLE status or closed. When closed, the valves are already in the position required by the assumptions in the safety analysis. The 8 hour completion time is consistent with the MODE 1 action statement requirement. For inoperable steam generator stop valves that cannot be restored to OPERABLE status within the specified completion time, but are closed, the inoperable valves must be verified on a periodic basis to be closed. This is necessary to ensure that the assumptions in the safety analysis remain valid. The 7 day completion time is reasonable, based on engineering judgement, in view of steam generator stop valve status indications available in the control room, and other administrative controls, to ensure that these valves are in the closed position.

If in MODES 2 or 3 the steam generator stop valves cannot be restored to OPERABLE status or are not closed within the associated completion time, the unit must be placed in a MODE in which the LCO does not apply. To achieve this status, the unit must be placed at least in MODE 3 within 6 hours, and in MODE 4 within 12 hours. The allowed completion times are reasonable, based on operating experience, to reach the required unit conditions from MODE 2 conditions in an orderly manner and without challenging unit systems.