

ATTACHMENT 2

Limerick Generating Station

Units 1 and 2

Docket Nos. 50-352
50-353

License Nos. NPF-39
NPF-85

Technical Specifications Change Request

No. 99-02-0

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CONTROL ROD SCRAM ACCUMULATORS

LIMITING CONDITION FOR OPERATION

3.1.3.5 All control rod scram accumulators shall be OPERABLE.

APPLICABILITY: OPERATIONAL CONDITIONS 1, 2, and 5*.

ACTION:

a. In OPERATIONAL CONDITION 1 or 2:

1. With one control rod scram accumulator inoperable, within 8 hours:
 - a) Restore the inoperable accumulator to OPERABLE status, or
 - b) Declare the control rod associated with the inoperable accumulator inoperable.

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

2. With more than one control rod scram accumulator inoperable, declare the associated control rods inoperable and:
 - a) If the control rod associated with any inoperable scram accumulator is withdrawn, immediately verify that at least one control rod drive pump is operating by inserting at least one withdrawn control rod at least one notch. If no control rod drive pump is operating and:
 - 1) If reactor pressure is ≥ 900 psig, then restart at least one control drive pump within 20 minutes or place the reactor mode switch in the shutdown position, or
 - 2) If reactor pressure is < 900 psig, then place the reactor mode switch in the Shutdown position.
 - b) Insert the inoperable control rods and disarm the associated control valves either:
 - 1) Electrically, or
 - 2) Hydraulically by closing the drive water and exhaust water isolation valves.

Otherwise, be in at least HOT SHUTDOWN within 12 hours.

b. In OPERATIONAL CONDITION 5*:

1. With one withdrawn control rod with its associated scram accumulator inoperable, insert the affected control rod and disarm the associated directional control valves within one hour, either:
 - a) Electrically, or
 - b) Hydraulically by closing the drive water and exhaust water isolation valves.

*At least the accumulator associated with each withdrawn control rod. Not applicable to control rods removed per Specification 3.9.10.1 or 3.9.10.2.

*) INSERT INTO ACTION 2.2.2)

VERIFYING THAT CONTROL ROD CHARGING WATER HEADER PRESSURE IS ≥ 1400 PSIG OR BH

REACTIVITY CONTROL SYSTEMS

SURVEILLANCE REQUIREMENTS

2. With more than one withdrawn control rod with the associated scram accumulator inoperable or no control rod drive pump operating, immediately place the reactor mode switch in the Shutdown position.

c. The provisions of Specification 3.0.4 are not applicable.

4.1.3.5 Each control rod scram accumulator shall be determined OPERABLE:

a. At least once per 7 days by verifying that the indicated pressure is greater than or equal to 955 psig unless the control rod is inserted and disarmed or scrambled.

~~b. At least once per 24 months by:~~

~~1. Performance of a:~~

~~a) CHANNEL FUNCTIONAL TEST of the leak detectors, and~~

~~b) CHANNEL CALIBRATION of the pressure detectors, and verifying an alarm setpoint of equal to or greater than 955 psig on decreasing pressure.~~

•) DELETE SR 4.1.3.5 b.

REACTIVITY CONTROL SYSTEMSCONTROL ROD SCRAM ACCUMULATORSLIMITING CONDITION FOR OPERATION

3.1.3.5 All control rod scram accumulators shall be OPERABLE.

APPLICABILITY: OPERATIONAL CONDITIONS 1, 2, and 5*.

ACTION:

- a. In OPERATIONAL CONDITION 1 or 2:
1. With one control rod scram accumulator inoperable, within 8 hours:
 - a) Restore the inoperable accumulator to OPERABLE status, or
 - b) Declare the control rod associated with the inoperable accumulator inoperable.

Otherwise, be in at least HOT SHUTDOWN within the next 12 hours.
 2. With more than one control rod scram accumulator inoperable, declare the associated control rods inoperable and:
 - a) If the control rod associated with any inoperable scram accumulator is withdrawn, immediately verify that at least one control rod drive pump is operating by inserting at least one withdrawn control rod at least one notch. If no control rod drive pump is operating and:
 - 1) If reactor pressure is >900 psig, then restart at least one control rod drive pump within 20 minutes or place the reactor mode switch in the shutdown position, or
 - 2) If reactor pressure is <900 psig, then place the reactor mode switch in the Shutdown position.
 - b) Insert the inoperable control rods and disarm the associated control valves either:
 - 1) Electrically, or
 - 2) Hydraulically by closing the drive water and exhaust water isolation valves.

Otherwise, be in at least HOT SHUTDOWN within 12 hours.
- b. In OPERATIONAL CONDITION 5*:
1. With one withdrawn control rod with its associated scram accumulator inoperable, insert the affected control rod and disarm the associated directional control valves within one hour, either:
 - a) Electrically, or
 - b) Hydraulically by closing the drive water and exhaust water isolation valves.

•) INSERT INTO ACTION 3.2.2)

VERIFYING THAT CONTROL ROD CHARGING WATER HEADER PRESSURE IS ≥ 1400 PSIG OR B-1

*At least the accumulator associated with each withdrawn control rod. Not applicable to control rods removed per Specification 3.9.10.1 or 3.9.10.2.

REACTIVITY CONTROL SYSTEMS

SURVEILLANCE REQUIREMENTS

2. With more than one withdrawn control rod with the associated scram accumulator inoperable or no control rod drive pump operating, immediately place the reactor mode switch in the Shutdown position.

c. The provisions of Specification 3.0.4 are not applicable.

4.1.3.5 Each control rod scram accumulator shall be determined OPERABLE:

a. At least once per 7 days by verifying that the indicated pressure is greater than or equal to 955 psig unless the control rod is inserted and disarmed or scrambled.

b. At least once per 24 months by:

1. Performance of a:

a) CHANNEL FUNCTIONAL TEST of the leak detectors, and

b) CHANNEL CALIBRATION of the pressure detectors, and verifying an alarm setpoint of equal to or greater than 955 psig on decreasing pressure.

•) DELETE SR 4.1.3.5b.

REACTIVITY CONTROL SYSTEMS

CONTROL ROD SCRAM ACCUMULATORS

LIMITING CONDITION FOR OPERATION

3.1.3.5 All control rod scram accumulators shall be OPERABLE.

APPLICABILITY: OPERATIONAL CONDITIONS 1, 2, and 5*.

ACTION:

a. In OPERATIONAL CONDITION 1 or 2:

1. With one control rod scram accumulator inoperable, within 8 hours:

- a) Restore the inoperable accumulator to OPERABLE status, or
- b) Declare the control rod associated with the inoperable accumulator inoperable.

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

2. With more than one control rod scram accumulator inoperable, declare the associated control rods inoperable and:

- a) If the control rod associated with any inoperable scram accumulator is withdrawn, immediately verify that at least one control rod drive pump is operating by verifying that control rod charging water header pressure is ≥ 1400 psig or by inserting at least one withdrawn control rod at least one notch. If no control rod drive pump is operating and:

- 1) If reactor pressure is ≥ 900 psig, then restart at least one control drive pump within 20 minutes or place the reactor mode switch in the shutdown position, or

- 2) If reactor pressure is < 900 psig, then place the reactor mode switch in the Shutdown position.

- b) Insert the inoperable control rods and disarm the associated control valves either:

- 1) Electrically, or
- 2) Hydraulically by closing the drive water and exhaust water isolation valves.

Otherwise, be in at least HOT SHUTDOWN within 12 hours.

b. In OPERATIONAL CONDITION 5*:

1. With one withdrawn control rod with its associated scram accumulator inoperable, insert the affected control rod and disarm the associated directional control valves within one hour, either:

- a) Electrically, or
- b) Hydraulically by closing the drive water and exhaust water isolation valves.

*At least the accumulator associated with each withdrawn control rod. Not applicable to control rods removed per Specification 3.9.10.1 or 3.9.10.2.

REACTIVITY CONTROL SYSTEMS

SURVEILLANCE REQUIREMENTS

2. With more than one withdrawn control rod with the associated scram accumulator inoperable or no control rod drive pump operating, immediately place the reactor mode switch in the Shutdown position.
 - c. The provisions of Specification 3.0.4 are not applicable.
- 4.1.3.5 Each control rod scram accumulator shall be determined OPERABLE:
 - a. At least once per 7 days by verifying that the indicated pressure is greater than or equal to 955 psig unless the control rod is inserted and disarmed or scrambled.

REACTIVITY CONTROL SYSTEMS

CONTROL ROD SCRAM ACCUMULATORS

LIMITING CONDITION FOR OPERATION

3.1.3.5 All control rod scram accumulators shall be OPERABLE.

APPLICABILITY: OPERATIONAL CONDITIONS 1, 2, and 5*.

ACTION:

a. In OPERATIONAL CONDITION 1 or 2:

1. With one control rod scram accumulator inoperable, within 8 hours:

- a) Restore the inoperable accumulator to OPERABLE status, or
- b) Declare the control rod associated with the inoperable accumulator inoperable.

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

2. With more than one control rod scram accumulator inoperable, declare the associated control rods inoperable and:

- a) If the control rod associated with any inoperable scram accumulator is withdrawn, immediately verify that at least one control rod drive pump is operating by verifying that control rod charging water header pressure is ≥ 1400 psig or by inserting at least one withdrawn control rod at least one notch. If no control rod drive pump is operating and:

- 1) If reactor pressure is ≥ 900 psig, then restart at least one control rod drive pump within 20 minutes or place the reactor mode switch in the shutdown position, or

- 2) If reactor pressure is < 900 psig, then place the reactor mode switch in the Shutdown position.

- b) Insert the inoperable control rods and disarm the associated control valves either:

- 1) Electrically, or
- 2) Hydraulically by closing the drive water and exhaust water isolation valves.

Otherwise, be in at least HOT SHUTDOWN within 12 hours.

b. In OPERATIONAL CONDITION 5*:

1. With one withdrawn control rod with its associated scram accumulator inoperable, insert the affected control rod and disarm the associated directional control valves within one hour, either:

- a) Electrically, or
- b) Hydraulically by closing the drive water and exhaust water isolation valves.

*At least the accumulator associated with each withdrawn control rod. Not applicable to control rods removed per Specification 3.9.10.1 or 3.9.10.2.

REACTIVITY CONTROL SYSTEMS

SURVEILLANCE REQUIREMENTS

2. With more than one withdrawn control rod with the associated scram accumulator inoperable or no control rod drive pump operating, immediately place the reactor mode switch in the Shutdown position.

c. The provisions of Specification 3.0.4 are not applicable.

4.1.3.5 Each control rod scram accumulator shall be determined OPERABLE:

a. At least once per 7 days by verifying that the indicated pressure is greater than or equal to 955 psig unless the control rod is inserted and disarmed or scrambled.

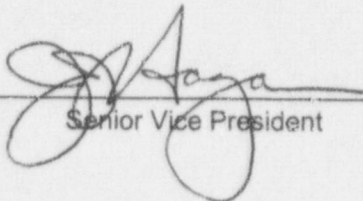
ATTACHMENT 3

PECO Energy Affidavit
for Limerick Generating Station, Units 1 and 2
Technical Specifications Change Request
No. 99-02-0

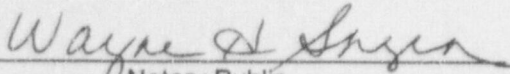
COMMONWEALTH OF PENNSYLVANIA :
 : SS.
COUNTY OF CHESTER :

J. J. Hagan, being first duly sworn, deposes and says:

That he is Senior Vice President of PECO Energy Company, the Applicant herein; that he has read the foregoing application for amendment to Facility Operating License Nos. NPF-39 and NPF-85 for Limerick Generating Station, Units 1 and 2, concerning Technical Specifications Change Request No. 99-02-0, "Control Rod Scram Accumulator Testing," and knows the contents thereof; and that the statements and matters set forth therein are true and correct to the best of his knowledge, information and belief.


Senior Vice President

Subscribed and sworn to
before me this 24th day
of May 1999.


Notary Public

Notarial Seal
Wayne H. Shych, Notary Public
Tredyffrin Twp., Chester County
My Commission Expires Dec. 18, 2000
Member, Pennsylvania Association of Notaries