

ENCLOSURE 3

TENNESSEE VALLEY AUTHORITY
BROWNS FERRY NUCLEAR PLANT (BFN)
UNITS 2 AND 3

PROPOSED TECHNICAL SPECIFICATION (TS) SUPPLEMENTAL CHANGE
TS-376
MARKED PAGES

I. AFFECTED PAGE LIST

Unit 2 - 3.9/4.9-15a

Unit 3 - 3.9/4.9-14a

II. MARKED PAGES

See attached.

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LIMITING CONDITIONS FOR OPERATIONSURVEILLANCE REQUIREMENTS3.9.D Diesel Generators Required for Units 1, 2, and 3 Shared Systems

1. Whenever standby gas treatment is required to be OPERABLE in accordance with Specification 3.7.B and/or control room emergency ventilation is required to be OPERABLE in accordance with Specification 3.7.E, the associated diesel generator aligned to supply emergency power to that equipment shall be OPERABLE.
 - a. Standby gas treatment train A and/or control room emergency ventilation train A - Diesel generator 1/2A or 1/2B.
 - b. Standby gas treatment train B - Diesel generator 1/2D or 1/2B.
 - c. Standby gas treatment train C - Diesel generator 3D.
 - d. Control room emergency ventilation train B - Diesel generator 3C or 3B.
- * 2. When the diesel generator aligned to supply emergency power to the equipment in 3.9.D.1 is inoperable on a unit that is in cold shutdown, refueling, or is defueled, the equipment may be considered OPERABLE for the purpose of satisfying the corresponding technical specification during the succeeding 30 days, provided that the redundant train(s) of equipment and their normal and emergency power supplies are OPERABLE.

4.9.D Diesel Generators Required for Units 1, 2, and 3 Shared Systems

Surveillance requirements are as specified in 4.9.A.1, 4.9.A.2, 4.9.A.3, and 4.9.A.4 with the following provisions:

1. The testing provisions of 4.9.A.1.b do not apply for a defueled unit.
2. The common accident signal testing required by 4.9.A.3 requires the signal to originate only from units that require OPERABILITY of the standby gas treatment system and/or the control room emergency ventilation system. This test will verify the automatic start of the diesel generators aligned to the standby gas treatment system and/or the control room emergency ventilation system.

INSERT

When the aligned diesel generator is inoperable on a unit that is not in cold shutdown, refueling, or defueled, then TS 1.C.2 applies for the purposes of operability determinations for the above affected equipment.



LIMITING CONDITIONS FOR OPERATIONSURVEILLANCE REQUIREMENTS3.9.D. Diesel Generators Required for Units 1, 2, and 3 Shared Systems

1. Whenever standby gas treatment is required to be OPERABLE in accordance with Specification 3.7.B and/or control room emergency ventilation is required to be OPERABLE in accordance with Specification 3.7.E, the associated diesel generator aligned to supply emergency power to that equipment shall be OPERABLE.
 - a. Standby gas treatment train A and/or control room emergency ventilation train A - Diesel generator 1/2A or 1/2B.
 - b. Standby gas treatment train B - Diesel generator 1/2D or 1/2B.
 - c. Standby gas treatment train C - Diesel generator 3D.
 - d. Control room emergency ventilation train B - Diesel generator 3C or 3B.
- * 2. When the diesel generator aligned to supply emergency power to the equipment in 3.9.D.1 is inoperable on a unit that is in cold shutdown, refueling, or is defueled, the equipment may be considered OPERABLE for the purpose of satisfying the corresponding technical specification during the succeeding 30 days, provided that the redundant train(s) of equipment and their normal and emergency power supplies are OPERABLE.

4.9.D. Diesel Generators Required for Units 1, 2, and 3 Shared Systems

Surveillance requirements are as specified in 4.9.A.1, 4.9.A.2, 4.9.A.3, and 4.9.A.4 with the following provisions:

1. The testing provisions of 4.9.A.1.b do not apply for a defueled unit.
2. The common accident signal testing required by 4.9.A.3 requires the signal to originate only from units that require OPERABILITY of the standby gas treatment system and/or the control room emergency ventilation system. This test will verify the automatic start of the diesel generators aligned to the standby gas treatment system and/or the control room emergency ventilation system.

INSERT

When the aligned diesel generator is inoperable on a unit that is not in cold shutdown, refueling, or defueled, then TS 1.C.2 applies for the purposes of operability determinations for the above affected equipment



ENCLOSURE 4

TENNESSEE VALLEY AUTHORITY
BROWNS FERRY NUCLEAR PLANT (BFN)
UNITS 2 AND 3

PROPOSED TECHNICAL SPECIFICATION (TS) SUPPLEMENTAL CHANGE
TS-376
REVISED PAGES

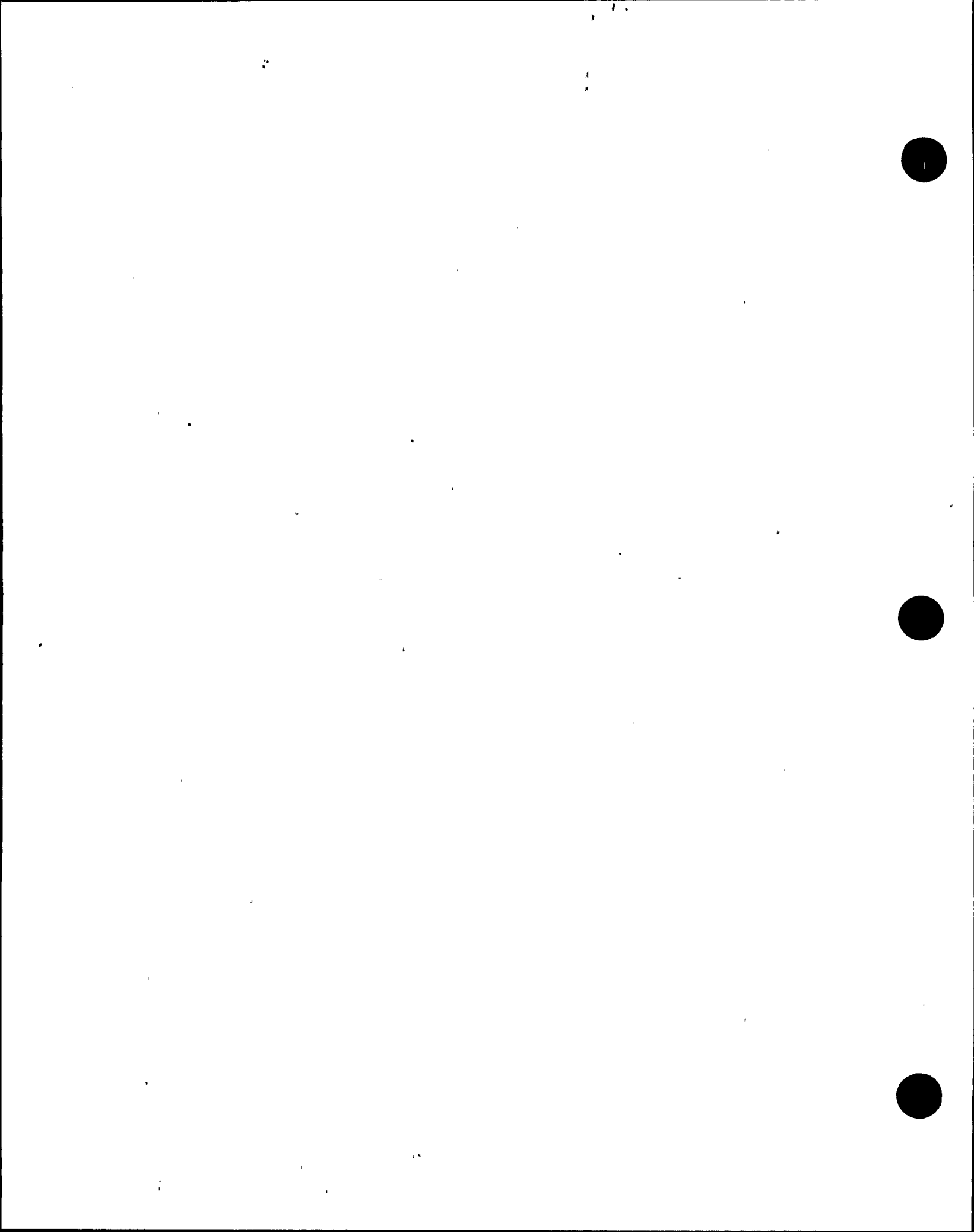
I. AFFECTED PAGE LIST

Unit 2 - 3.9/4.9-15a
 3.9/4.9-15b

Unit 3 - 3.9/4.9-14a
 3.9/4.9-14b

II. REVISED PAGES

See attached.



3.9/4.9 AUXILIARY ELECTRICAL SYSTEM

LIMITING CONDITIONS FOR OPERATION

3.9.D Diesel Generators Required for Units 1, 2, and 3 Shared Systems

1. Whenever standby gas treatment is required to be OPERABLE in accordance with Specification 3.7.B and/or control room emergency ventilation is required to be OPERABLE in accordance with Specification 3.7.E, the associated diesel generator aligned to supply emergency power to that equipment shall be OPERABLE.
 - a. Standby gas treatment train A and/or control room emergency ventilation train A - Diesel generator 1/2A or 1/2B.
 - b. Standby gas treatment train B - Diesel generator 1/2D or 1/2B.
 - c. Standby gas treatment train C - Diesel generator 3D.
 - d. Control room emergency ventilation train B - Diesel generator 3C or 3B.

When the aligned diesel generator is inoperable on a unit that is not in cold shutdown, refueling, or defueled, then TS 1.C.2 applies for the purposes of OPERABILITY determinations for the above affected equipment.

SURVEILLANCE REQUIREMENTS

4.9.D Diesel Generators Required for Units 1, 2, and 3 Shared Systems

Surveillance requirements are as specified in 4.9.A.1, 4.9.A.2, 4.9.A.3, and 4.9.A.4 with the following provisions:

1. The testing provisions of 4.9.A.1.b do not apply for a defueled unit.
2. The common accident signal testing required by 4.9.A.3 requires the signal to originate only from units that require OPERABILITY of the standby gas treatment system and/or the control room emergency ventilation system. This test will verify the automatic start of the diesel generators aligned to the standby gas treatment system and/or the control room emergency ventilation system.



3.9/4.9 AUXILIARY ELECTRICAL SYSTEM

LIMITING CONDITIONS FOR OPERATION

3.9.D. Diesel Generators Required for Units 1, 2, and 3 Shared Systems

2. When the diesel generator aligned to supply emergency power to the equipment in 3.9.D.1 is inoperable on a unit that is in cold shutdown, refueling, or is defueled, the equipment may be considered OPERABLE for the purpose of satisfying the corresponding technical specification during the succeeding 30 days, provided that the redundant train(s) of equipment and their normal and emergency power supplies are OPERABLE.
3. If Specification 3.9.D.2 cannot be met, the affected equipment shall be declared inoperable.

SURVEILLANCE REQUIREMENTS

4.9.D. Diesel Generators Required for Units 1, 2, and 3 Shared Systems



3.9/4.9 AUXILIARY ELECTRICAL SYSTEM

LIMITING CONDITIONS FOR OPERATION

3.9.D Diesel Generators Required for Units 1, 2, and 3 Shared Systems

1. Whenever standby gas treatment is required to be OPERABLE in accordance with Specification 3.7.B and/or control room emergency ventilation is required to be OPERABLE in accordance with Specification 3.7.E, the associated diesel generator aligned to supply emergency power to that equipment shall be OPERABLE.
 - a. Standby gas treatment train A and/or control room emergency ventilation train A - Diesel generator 1/2A or 1/2B.
 - b. Standby gas treatment train B - Diesel generator 1/2D or 1/2B.
 - c. Standby gas treatment train C - Diesel generator 3D.
 - d. Control room emergency ventilation train B - Diesel generator 3C or 3B.

When the aligned diesel generator is inoperable on a unit that is not in cold shutdown, refueling, or defueled, then TS 1.C.2 applies for the purposes of OPERABILITY determinations for the above affected equipment.

SURVEILLANCE REQUIREMENTS

4.9.D Diesel Generators Required for Units 1, 2, and 3 Shared Systems

Surveillance requirements are as specified in 4.9.A.1, 4.9.A.2, 4.9.A.3, and 4.9.A.4 with the following provisions:

1. The testing provisions of 4.9.A.1.b do not apply for a defueled unit.
2. The common accident signal testing required by 4.9.A.3 requires the signal to originate only from units that require OPERABILITY of the standby gas treatment system and/or the control room emergency ventilation system. This test will verify the automatic start of the diesel generators aligned to the standby gas treatment system and/or the control room emergency ventilation system.

3.9/4.9 AUXILIARY ELECTRICAL SYSTEM

LIMITING CONDITIONS FOR OPERATION

SURVEILLANCE REQUIREMENTS

3.9.D. Diesel Generators Required for Units 1, 2, and 3 Shared Systems

4.9.D. Diesel Generators Required for Units 1, 2, and 3 Shared Systems

2. When the diesel generator aligned to supply emergency power to the equipment in 3.9.D.1 is inoperable on a unit that is in cold shutdown, refueling, or is defueled, the equipment may be considered OPERABLE for the purpose of satisfying the corresponding technical specification during the succeeding 30 days, provided that the redundant train(s) of equipment and their normal and emergency power supplies are OPERABLE.
3. If Specification 3.9.D.2 cannot be met, the affected equipment shall be declared inoperable.



ENCLOSURE 5

TENNESSEE VALLEY AUTHORITY
BROWNS FERRY NUCLEAR PLANT (BFN)
UNITS 2 AND 3

PROPOSED TECHNICAL SPECIFICATION (TS) SUPPLEMENTAL CHANGE
TS-391T
MARKED PAGES

I. AFFECTED PAGE LIST

Unit 2 - 3.9/4.9-15a

Unit 3 - 3.9/4.9-14a

II. MARKED PAGES

See attached.



LIMITING CONDITIONS FOR OPERATIONSURVEILLANCE REQUIREMENTS**3.9.D Diesel Generators Required for Units 1, 2, and 3 Shared Systems**

1. Whenever standby gas treatment is required to be OPERABLE in accordance with Specification 3.7.B and/or control room emergency ventilation is required to be OPERABLE in accordance with Specification 3.7.E, the associated diesel generator aligned to supply emergency power to that equipment shall be OPERABLE.
 - a. Standby gas treatment train A and/or control room emergency ventilation train A - Diesel generator 1/2A or 1/2B.
 - b. Standby gas treatment train B - Diesel generator 1/2D or 1/2B.
 - c. Standby gas treatment train C - Diesel generator 3D.
 - d. Control room emergency ventilation train B - Diesel generator 3C or 3B.

- * 2. When the diesel generator aligned to supply emergency power to the equipment in 3.9.D.1 is inoperable on a unit that is in cold shutdown, refueling, or is defueled, the equipment may be considered OPERABLE for the purpose of satisfying the corresponding technical specification during the succeeding 30 days, provided that the redundant train(s) of equipment and their normal and emergency power supplies are OPERABLE.

4.9.D Diesel Generators Required for Units 1, 2, and 3 Shared Systems

Surveillance requirements are as specified in 4.9.A.1, 4.9.A.2, 4.9.A.3, and 4.9.A.4 with the following provisions:

1. The testing provisions of 4.9.A.1.b do not apply for a defueled unit.
2. The common accident signal testing required by 4.9.A.3 requires the signal to originate only from units that require OPERABILITY of the standby gas treatment system and/or the control room emergency ventilation system. This test will verify the automatic start of the diesel generators aligned to the standby gas treatment system and/or the control room emergency ventilation system.

INSERT

[Temporary Change: When the aligned diesel generator is inoperable on a unit that is not in cold shutdown, refueling, or defueled, then TS I.C.2 applies for the purposes of operability determinations for the above affected equipment. This change is valid during the time period from January 1, 1998, to February 1, 1999].

LIMITING CONDITIONS FOR OPERATIONSURVEILLANCE REQUIREMENTS3.9.D. Diesel Generators Required for Units 1, 2, and 3 Shared Systems

1. Whenever standby gas treatment is required to be OPERABLE in accordance with Specification 3.7.B and/or control room emergency ventilation is required to be OPERABLE in accordance with Specification 3.7.E, the associated diesel generator aligned to supply emergency power to that equipment shall be OPERABLE.
 - a. Standby gas treatment train A and/or control room emergency ventilation train A - Diesel generator 1/2A or 1/2B.
 - b. Standby gas treatment train B - Diesel generator 1/2D or 1/2B.
 - c. Standby gas treatment train C - Diesel generator 3D.
 - d. Control room emergency ventilation train B - Diesel generator 3C or 3B.
- * 2. When the diesel generator aligned to supply emergency power to the equipment in 3.9.D.1 is inoperable on a unit that is in cold shutdown, refueling, or is defueled, the equipment may be considered OPERABLE for the purpose of satisfying the corresponding technical specification during the succeeding 30 days, provided that the redundant train(s) of equipment and their normal and emergency power supplies are OPERABLE.

4.9.D. Diesel Generators Required for Units 1, 2, and 3 Shared Systems

Surveillance requirements are as specified in 4.9.A.1, 4.9.A.2, 4.9.A.3, and 4.9.A.4 with the following provisions:

1. The testing provisions of 4.9.A.1.b do not apply for a defueled unit.
2. The common accident signal testing required by 4.9.A.3 requires the signal to originate only from units that require OPERABILITY of the standby gas treatment system and/or the control room emergency ventilation system. This test will verify the automatic start of the diesel generators aligned to the standby gas treatment system and/or the control room emergency ventilation system.

INSERT

[Temporary Change: When the aligned diesel generator is inoperable on a unit that is not in cold shutdown, refueling, or defueled, then TS 1.C.2 applies for the purposes of operability determinations for the above affected equipment. This change is valid during the time period from January 1, 1998, to February 1, 1999].

ENCLOSURE 6

TENNESSEE VALLEY AUTHORITY
BROWNS FERRY NUCLEAR PLANT (BFN)
UNITS 2 AND 3

PROPOSED TECHNICAL SPECIFICATION (TS) SUPPLEMENTAL CHANGE
TS-391T
REVISED PAGES

I. AFFECTED PAGE LIST

Unit 2 - 3.9/4.9-15a
 3.9/4.9-15b

Unit 3 - 3.9/4.9-14a
 3.9/4.9-14b

II. REVISED PAGES

See attached.



3.9/4.9 AUXILIARY ELECTRICAL SYSTEM

LIMITING CONDITIONS FOR OPERATION

3.9.D Diesel Generators Required for Units 1, 2, and 3 Shared Systems

1. Whenever standby gas treatment is required to be OPERABLE in accordance with Specification 3.7.B and/or control room emergency ventilation is required to be OPERABLE in accordance with Specification 3.7.E, the associated diesel generator aligned to supply emergency power to that equipment shall be OPERABLE.
 - a. Standby gas treatment train A and/or control room emergency ventilation train A - Diesel generator 1/2A or 1/2B.
 - b. Standby gas treatment train B - Diesel generator 1/2D or 1/2B.
 - c. Standby gas treatment train C - Diesel generator 3D.
 - d. Control room emergency ventilation train B - Diesel generator 3C or 3B.

[Temporary Change: When the aligned diesel generator is inoperable on a unit that is not in cold shutdown, refueling, or defueled, then TS 1.C.2 applies for the purposes of OPERABILITY determinations for the above affected equipment. This change is valid during the time period from January 1, 1998, to February 1, 1999].

SURVEILLANCE REQUIREMENTS

4.9.D Diesel Generators Required for Units 1, 2, and 3 Shared Systems

Surveillance requirements are as specified in 4.9.A.1, 4.9.A.2, 4.9.A.3, and 4.9.A.4 with the following provisions:

1. The testing provisions of 4.9.A.1.b do not apply for a defueled unit.
2. The common accident signal testing required by 4.9.A.3 requires the signal to originate only from units that require OPERABILITY of the standby gas treatment system and/or the control room emergency ventilation system. This test will verify the automatic start of the diesel generators aligned to the standby gas treatment system and/or the control room emergency ventilation system.



3.9/4.9 AUXILIARY ELECTRICAL SYSTEM

LIMITING CONDITIONS FOR OPERATION

3.9.D. Diesel Generators Required for Units 1, 2, and 3 Shared Systems

2. When the diesel generator aligned to supply emergency power to the equipment in 3.9.D.1 is inoperable on a unit that is in cold shutdown, refueling, or is defueled, the equipment may be considered OPERABLE for the purpose of satisfying the corresponding technical specification during the succeeding 30 days, provided that the redundant train(s) of equipment and their normal and emergency power supplies are OPERABLE.
3. If Specification 3.9.D.2 cannot be met, the affected equipment shall be declared inoperable.

SURVEILLANCE REQUIREMENTS

4.9.D. Diesel Generators Required for Units 1, 2, and 3 Shared Systems

3.9/4.9 AUXILIARY ELECTRICAL SYSTEM

LIMITING CONDITIONS FOR OPERATION

3.9.D Diesel Generators Required for Units 1, 2, and 3 Shared Systems

1. Whenever standby gas treatment is required to be OPERABLE in accordance with Specification 3.7.B and/or control room emergency ventilation is required to be OPERABLE in accordance with Specification 3.7.E, the associated diesel generator aligned to supply emergency power to that equipment shall be OPERABLE.
 - a. Standby gas treatment train A and/or control room emergency ventilation train A - Diesel generator 1/2A or 1/2B.
 - b. Standby gas treatment train B - Diesel generator 1/2D or 1/2B.
 - c. Standby gas treatment train C - Diesel generator 3D.
 - d. Control room emergency ventilation train B - Diesel generator 3C or 3B.

[Temporary Change: When the aligned diesel generator is inoperable on a unit that is not in cold shutdown, refueling, or defueled, then TS 1.C.2 applies for the purposes of OPERABILITY determinations for the above affected equipment. This change is valid during the time period from January 1, 1998, to February 1, 1999].

SURVEILLANCE REQUIREMENTS

4.9.D Diesel Generators Required for Units 1, 2, and 3 Shared Systems

Surveillance requirements are as specified in 4.9.A.1, 4.9.A.2, 4.9.A.3, and 4.9.A.4 with the following provisions:

1. The testing provisions of 4.9.A.1.b do not apply for a defueled unit.
2. The common accident signal testing required by 4.9.A.3 requires the signal to originate only from units that require OPERABILITY of the standby gas treatment system and/or the control room emergency ventilation system. This test will verify the automatic start of the diesel generators aligned to the standby gas treatment system and/or the control room emergency ventilation system.



3.9/4.9 AUXILIARY ELECTRICAL SYSTEM

LIMITING CONDITIONS FOR OPERATION

SURVEILLANCE REQUIREMENTS

3.9.D. Diesel Generators Required for Units 1, 2, and 3 Shared Systems

2. When the diesel generator aligned to supply emergency power to the equipment in 3.9.D.1 is inoperable on a unit that is in cold shutdown, refueling, or is defueled, the equipment may be considered OPERABLE for the purpose of satisfying the corresponding technical specification during the succeeding 30 days, provided that the redundant train(s) of equipment and their normal and emergency power supplies are OPERABLE.
3. If Specification 3.9.D.2 cannot be met, the affected equipment shall be declared inoperable.

4.9.D. Diesel Generators Required for Units 1, 2, and 3 Shared Systems



ENCLOSURE 7

TENNESSEE VALLEY AUTHORITY
BROWNS FERRY NUCLEAR PLANT (BFN)
TS-376 AND TS-391T
UNITS 2 AND 3

TS-283 SECTION 3.9.D APPROVED PAGES



3.9/4.9 AUXILIARY ELECTRICAL SYSTEM

LIMITING CONDITIONS FOR OPERATION

SURVEILLANCE REQUIREMENTS

3.9.D Unit 3 Diesel Generators
Required for Unit 2 Operation

1. Whenever any of the following equipment is required to be OPERABLE in accordance with the corresponding section of these technical specifications, the Unit 3 diesel generator aligned to supply emergency power to that equipment shall be OPERABLE.
 - a. Standby gas treatment train C in accordance with T.S. 3.7.B (diesel generator 3D).
 - b. Control room emergency ventilation train B in accordance with T.S. 3.7.E (diesel generator 3B or 3C).
2. When the diesel generator aligned to supply emergency power to the equipment in 3.9.D.1.a or b is inoperable, the equipment may be considered OPERABLE for the purpose of satisfying the corresponding technical specification during the succeeding 30 days provided that the redundant train(s) of equipment and their normal and emergency power supplies are OPERABLE.
3. If Specification 3.9.D.2 cannot be met, the affected equipment shall be declared inoperable.

4.9.D Unit 3 Diesel Generators
Required for Unit 2 Operation

1.a Diesel Generators

Surveillance requirements are as specified in T.S. 4.9.A.1.a, 4.9.A.1.c, 4.9.A.1.d and 4.9.A.1.e.

1.b DC Power System

Surveillance requirements are as specified in T.S. 4.9.A.2.

1.c Logic Systems

Both divisions of the common accident signal logic system shall be tested every 6 months to demonstrate that it will function on actuation of the core spray system of the reactor to provide an automatic start signal to each diesel generator.

1.d Undervoltage Relays

Surveillance requirements are as specified in T.S. 4.9.A.4.

2. No surveillance required.
3. No surveillance required.

3.9/4.9 AUXILIARY ELECTRICAL SYSTEM

LIMITING CONDITIONS FOR OPERATION

SURVEILLANCE REQUIREMENTS

3.9.D Unit 3 Diesel Generators
Required for Unit 2 Operation

1. Whenever any of the following equipment is required to be OPERABLE in accordance with the corresponding section of any units technical specifications, the Unit 3 diesel generator aligned to supply emergency power to that equipment shall be OPERABLE.
 - a. Standby gas treatment train C in accordance with T.S. 3.7.B (diesel generator 3D).
 - b. Control room emergency ventilation train B in accordance with T.S. 3.7.E (diesel generator 3B or 3C).
2. When the diesel generator aligned to supply emergency power to the equipment in 3.9.D.1.a or b is inoperable, the equipment may be considered OPERABLE for the purpose of satisfying the corresponding technical specification during the succeeding 30 days provided that the redundant train(s) of equipment and their normal and emergency power supplies are OPERABLE.
3. If Specification 3.9.D.2 cannot be met, the affected equipment shall be declared inoperable.

4.9.D Unit 3 Diesel Generators
Required for Unit 2 Operation

1.a Diesel Generators

Surveillance requirements are as specified in T.S. 4.9.A.1.a, 4.9.A.1.e, 4.9.A.1.d and 4.9.A.1.e.

1.b DC Power System

Surveillance requirements are as specified in T.S. 4.9.A.2.

1.c Logic Systems

Both divisions of the common accident signal logic system shall be tested every 6 months to demonstrate that it will function on actuation of the core spray system of the Unit 2 reactor to provide an automatic start signal to each diesel generator.

1.d Undervoltage Relays

Surveillance requirements are as specified in T.S. 4.9.A.4.

2. No surveillance required.

3. No surveillance required.

