TMI DOCUMENTS

DOCUMENT NC: TM-0638

COPY MADE ON 4/5/79 OF DOCUMENT PROVIDED BY

METROPOLITAN EDISON COMPANY.

Supervisor, Document Control, NRC

7906180690

229 026

THREE MILE ISLAND UNIT II
DOT

NUMBER TP 177/2

MTX 77.4

CATEGORY B

DRAFT Rev. 0

FUEL HANDLING BUILDING VENTILATION

FUNCTIONAL TEST

PREPARED: Cognizant Engineer John G. Ullrich Date 12-3-76

APPROVED: Lead Engineer G. M. Hawkins Date 1-21-77

APPROVED: Technical Engineer Mel Nelson Date 2/11/77

DOT APPROVAL FOR PERFORMANCE:

GPU DOT Representative Mel Nelson Date 3/10/77

Met-Ed DOT Representative J. L. Seelinger Date 3/10/77

NSSS DOT Representative N.A. Date —

or

A-E DOT Representative R. P. Brownell Date 3/10/77

TEST RESULTS: Acceptable with the following test exceptions and deficiencies- E 1 thru 4

Technical Engineer Carl E. Gatto Date 3-24-78

DOT APPROVAL OF TEST RESULTS:

GPU DOT Representative Carl E. Gatto Date 3-24-78

Met-Ed DOT Representative J. J. Tulbush Date 3-24-78

NSSS DOT Representative N.A. Date —

or

A-E DOT Representative Harold Kunyteam Date 3-24-78

ENCLOSURES: 1. Test Procedure Exception and Deficiency List.

OFFICIAL FIELD COPY

229 027

8203

TABLE OF EFFECTIVE PAGES

Page	Effective Page	Page	Effective Page
1	0	14	0
2	0	15	0
3	0	16	0
4	0	17	0
5	0	18	0
6	0	19	0
7	0	20	0
8	0	21	0
9	0	22	0
10	0	23	0
11	0	24	0
12	0	25	0
13	0	26	0

1.0 PURPOSE

1.1 Verify that the supply fan discharge dampers operate in conjunction with their respective fan.

1.2 Verify that the exhaust fan discharge dampers operate in conjunction with their respective fan.

1.3 Verify that the system supply damper, D5714, remains closed unless both supply fans are running and regulates to control set differential pressure across the supply filter bank.

E-3

1.4 Verify that the standby pair of exhaust fans will auto start and replace the running pair if one of the running pair trips

1.5 Verify that the supply fans will automatically start, with the control switch in AUTO, upon start of an exhaust fan pair.

1.6 Verify that the supply air preheater is interlocked such that it cannot be energized without the supply fans operating.

1.7 Verify that the duct re-heaters, AH-C-44A & B, -45 A&B, -46, and 12 control at individual thermostat setpoint and are interlocked to the supply fans.

1.8 Verify that the fuel handling building pressure controller regulates the exhaust fan suction vanes to control building pressure at a negative 1/8" W.G.

Duplicate Page 0

2.0 REFERENCES

2.1 FSAR, Section 9.4.3, Am. ~~50~~ 62

2.2 Burns and Roe Flow Diagram 2343, Rev. ~~16.~~ 18

2.3 Fuel Handling Bldg. H & V System Description (Index #47, ~~June, 1976~~ February, 1977.

2.4 Vendors Manuals - None.

2.5 Burns and Roe Electrical Elementary Drawings.

2.5.1 F.H. Bldg. Reheat Heating Coils 3074, Sh. 74, Rev. ~~6~~ 7

2.5.2 F.H. Bldg. Exhaust Fans, 3074, Sh. 117, Rev. 4.

2.5.3 F.H. Bldg. Reheat Heating Coils, 3074, Sh. 118, Rev. 2

2.5.4 Elem. Diag. F.H. Bldg. Supply and Exhaust Fans, 3074, Sh. 120, Rev. 4.

2.5.5 F.H. Bldg. Supply Fans, 3074, Sh. 119, Rev. 4.

2.5.6 120 V.A.C. Elem. Diagrams, Filter Drives, 3077, Sh. 31, Rev. ~~4~~ 5

2.6 Procedures

Fuel Handling Bldg. H & V, 2104-5.2.

3.0 TIME REQUIRED

3.1 Two men - two shifts.

4.0 PREREQUISITES

4.1 Tests

The following tests are completed sufficiently to support performance of this test procedure:

4.1.1 TP250/2, Instrument Calibration MTX 77.1.

Signature Craig M. Mullin Date 3/17/78

4.1.2 TP250/2, Electrical Test MTX 77.2.

Signature Craig M. Mullin Date 3/17/78

4.1.3 TP250/2, Preliminary Operational Test MTX 77.3.

Signature Craig M. Mullin Date 3/17/78

4.1.4 Spec. 2555-63, Vendor Tests MTX 77.6.

Signature Craig M. Mullin Date 3/17/78

4.2 Construction Completion Status

E-2 4.2.1 Met-Ed has accepted the system for preoperational testing.

Signature _____ Date _____

OFFICIAL FIELD COPY

4.0 PREREQUISITES (continued)

4.3 Environmental Conditions

4.3.1 No special environmental conditions are required for this test.

Signature Craig McMullin Date 3/17/78

OFFICIAL FIELD COPY

Duplicate Page 0

5.0 TEST EQUIPMENT

5.1 MTE #4 - Manometer, Dwyer - 0 to 1", Model 172.

5.2 MTE #4 - Manometer, Dwyer - 0 to 5", Model 400-5.

6.0 LIMITATIONS AND PRECAUTIONS

(1 N

OFFICIAL FIELD COPY

Duplicate Page 0

229 035

7.0 PLANT STATUS

7.1 The intake air system and exhaust air system are capable of supporting this test.

Signature Craig McMullen Date 5/17/78

7.2 Instrument Air System is capable of supporting this test.

Signature Craig McMullen Date 5/17/78

7.3 The fire protection system is capable of supporting this test.

Signature Craig McMullen Date 5/17/78

7.4 The Radiation Monitoring System for Fuel Handling Building is capable of supporting this test.

Signature Craig McMullen Date 5/17/78

Duplicate Page 0

3.0 PREREQUISITE SYSTEM CONDITIONS

8.1 For Section 9.1

8.1.1 The Fuel Handling Building H & V is lined up per the prerequisites of 2104-5.2.

Signature Craig McMullen Date 3/12/84

8.1.2 Place the remote control switches on panel 25 for AH-E-10A,-10B-10C, and 10D in the "Pull to Lock" position.

Signature Craig McMullen Date 3/14/84

8.1.3 Place the remote control switches for AH-E-9A and 9B in the"Auto" position.

Signature Craig McMullen Date 3/14/84

8.1.4 Place the local control switch on the following in the "Off" Position:

AH-C-44A	AH-C-12
AH-C-44B	AH-C-45A/B
AH-C-46	AH-C-11A through 11H

Signature Craig McMullen Date 3/14/84

Duplicate Page 0

8.0 PREREQUISITE SYSTEM CONDITIONS (continued)

.2 For section 9.2.

E-3

8.2.1 Verify that the F.H. Bldg. H & V is not operating and connect the 0-5" H_2O manometer (MTE-4) to the test tee connections of AH-DPIC-5714.

Signature _____ Date _____

8.3 For section 9.3.

8.3.1 Verify that the F.H. Building H & V is not operating and connect the 0 to 1" H_2O manometer to the test tee

E-4

connections of AH-DP~~C-5678~~ T-5704.

Signature J. M. Hawkins Date 3-

OFFICIAL FIELD COPY

9.0 TEST METHOD

The following sections list the preferred sequence of testing:

9.1 Verification of interlocks between: exhaust and supply fans, fan and discharge damper, system supply damper (D5714) and supply fans, and supply fans and electrical heaters.

9.1.1 Prerequisites of section 8.1 are complete.

Signature Craig M. Mylin Date 3/19/78

9.1.2 Place the control switches on panel 25 for AH-E-10A and 10B to the "Start" position and release. Verify in 10.1.2 that the following actions take place:

AH-E-10A starts

AH-E-10B starts

AH-D-5680 opens upon start of AH-E-10A

AH-D-5673 opens upon start of AH-E-10B

AH-E-9A starts after approx. 10 sec. time delay

AH-E-9B starts after approx. 10 sec. time delay

AH-D-5712 opens upon start of AHE-9A

AH-D-5710 opens upon start of AH-E-9B

AH-D-5714 opens upon start of AHE-9A and 9B

9.0 TEST METHOD (continued)

9.1.3 Place the following thermostats or controllers to a temperature which will assure that the heating coils will be energized when their local control switches are placed in the "On" position. Verify in 10.1.3 that they energized.

(Red lights on local panels)

AH-TS-5699	AH-C-44A
AH-TS-5700	AH-C-44B
AH-TS-5701	AH-C-46
AH-TS-5702	AH-C-12
AH-TS-5703	AH-C-45A and 45B
AH-TIC-5708	AH-C-11A through 11H

9.1.4 Place the control switches on panel 25 for AH-E-10A and 10B to the "Pull-to-lock" position. Verify in 10.1.4 that the following actions take place:

AH-E-10A stops

AH-E-10B stops

AH-D-5680 closes

AH-D-5673 closes

AH-E-9A stops

AH-E-9B stops

Duplicate Page 0

9.0 TEST METHOD (continued)

AH-D-5712 closes

AH-D-5710 closes

AH-D-5714 closes

AH-C-44A de-energizes

AH-C-44B de-energizes

AH-C-46 de-energizes

AH-C-12 de-energizes

AH-C-45A and 45B de-energize

AH-C-11A through 11H de-energize as applicable

9.1.5 Place the control switches on panel 25 for AH-E-10C and 10D to the "Start" position and release. Verify in 10.1.5 that the following actions take place:

AH-E-10C starts

AH-E-10D starts

AH-D-5670 opens upon start of AH-E-10C

AH-D-5655 opens upon start of AH-E-10D

AH-E-9A starts er approx. 10 sec. time delay

AH-E-9B starts er approx. 10 sec. time delay

AH-D-5712 opens upon start of AH-E-9A

AH-D-5710 opens upon start of AH-E-9B

Duplicate Page 0

9.0 TEST METHOD (continued)

AH-D-5714 opens upon start of AH-E-9A and 9B

AH-C-44A energizes

AH-C-44B energizes

AH-C-46 energizes

AH-C-12 energizes

AH-C-45A and 45B energize

AH-C-11A through 11H energize as applicable

CMC 9.1.6 Place the control switches on panel 25 for AH-E-10A and 10B to the "Auto" position.

CMC 9.1.7 Place the control switch for AH-E-10C to the "Pull to Lock" position. Verify in 10.1.7 that the following actions take place:

AH-E-10C stops	AH-E-10A starts
AH-E-10D stops	AH-E-10B starts

CMC 9.1.8 Place the control switch for AH-E-10C in the "Auto" position.

CMC 9.1.9 Place the control switch for AH-E-10A in the "Pull to Lock" position. Verify in 10.1.9 that the following actions take place:

AH-E-10A and 10B stop

AH-E-10C and 10D start

Duplicate Page 0

229 042

9.0 TEST METHOD (continued)

9.1.10 Adjust the following thermostat setpoints downward and verify the corresponding heater de-energizes (Red light off). Record data in step 10.1.10.

1)	AH-TS-5699	AH-C-44A
2)	AH-TS-5700	AH-C-44B
3)	AH-TS-5701	AH-C-46
4)	AH-TS-5702	AH-C-12
5)	AH-TS-5703	AH-C-45A/B
6)	AH-TIC-5708	AH-C-11A through 11H

9.1.11 Adjust the thermostat setpoints in step 9.1.10 upward and verify the corresponding heaters energize (Red light on). Record data in step 10.1.11.

9.1.12 Return all thermostat setpoints to 70°F.

Section 9.1 Accomplished Sat ✓ Unsat _____

Signature Craig D. McMullen Date 3/19/78

OFFICIAL FIELD COPY

Duplicate Page 0

329 043

9.0 TEST METHOD (continued)

9.2 Verification of control of set differential pressure across the supply filter bank by D-5714.

E-3

9.2.1 Prerequisites of section 8.2 are complete.

Signature_____Date_____

9.2.2 Place the fuel handling building H & V system in operation per 2104-5.2 record controlling setpoint_____.

9.2.3 Set the controlling pressure on AH-DPIC-5714 to 3.0" WG and verify that AH-D5714 moves to a new position and record the manometer reading in 10.2.3.

9.2.4. Set the controlling pressure on AH-DPIC-5714 to 2.0" W.G. and verify that AH-D5714 moves to a new position and record the manometer reading in 10.2.4.

9.2.5 Set the controlling pressure on AH-DPIC-5714 to 2.5" W.G. and verify that AH-D5714 moves to a new position and record the manometer reading in 10.2.5.

9.2.6 Shut down the F.H. Bldg. H & V per 2104-5.2 and remove the manometer connected in step 8.2.1. Return DPIC to setpoint in step 9.2.2.

Signature_____Date_____

OFFICIAL FIELD COPY

229 044

Duplicate Page 0

9.0 TEST METHOD (continued)

Section 9.2 accomplished sat._____ unsat._____

Signature_____ Date_____

9.3 Verification of the Fuel Handling Building pressure controller capability to control building pressure at a negative 1/8" W.G.

9.3.1 Prerequisites of section 8.3 are complete.

Signature J. M. Hawkins Date 3-24-78

TMA 9.3.2 Place FH Bldg. H & V in operation per 2104-5.2. Record DPC set point.

E-4 TMA 9.3.3 ~~Set the controlling pressure on~~ SET MANOMETER ON T-5704 TO 0.0" AH-DPC ~~5678 to 4 psi~~ and verify that the "Fuel Bldg./Aux. Bldg. ΔP Hi/Lo" alarm energizes in 10.3.3 ~~(1/16"WG in F.H. Bldg.)~~.

E-4 TMA 9.3.4 Set ~~the controlling pressure on~~ THE MANOMETER ON T-5704 TO-0.125" AH-DPC ~~5678 to 5.5 psi~~ and verify that the "Fuel Bldg./Aux. Bldg. ΔP Hi/Lo" alarm clears in 10.3.4 ~~(1/8"WG)~~.

E-4 TMA 9.3.5 Set ~~the controlling pressure on~~ THE MANOMETER ON T-5704 TO -0.18" AH-DPC ~~5678 to 7 psi~~ and verify that the "Fuel Bldg./Aux. Bldg. ΔP Hi/Lo alarm energizes in 10.3.6 ~~(1/8" WG)~~. ~~3/16"~~

Duplicate Page 0

9.0 TEST METHOD (continued)

E-4 TMA 9.3.6 Set ~~the controlling pressure on~~ AH-DPC-5678 ~~to 5.5 psi~~ THE MANOMETER ON T-5704 TO -0.125" and verify that the "Fuel Bldg./Aux. Bldg. ΔP Hi/Lo alarm deenergizes in 10.3.6 ~~(1/8" WG)~~.

E-4 TMA 9.3.7 ~~Shut down the F.H. Bldg. H & V per 2104-5.2 and~~ Remove the manometer installed in step 8.3.1.

E-4 TMA 9.3.8 VERIFY THAT AH-DPC-5678 CAN MAINTAIN ≥ -0.125" W.G. PRESSURE IN THE FUEL HANDLING BUILDING. RECORD IN STEP 10.3.8

Signature J. M. Hawkins Date 3-24-78

Section 9.3 accomplished sat ✓ unsat ____

Signature J. M. Hawkins Date 3-24-78

9.4 Return the system to Met Ed to place in service to support plant conditions or further plant testing.

Signature J. M. Hawkins Date 3-24-78

OFFICIAL FIELD COPY

Duplicate Page 0

229 046

Step No.	Description of Data Required	Data	Acceptance Criteria	Initials / Org.	Date
10.1.2	AH-E-10A Starts	✓ YES NO	YES	CMC / GPU	3/19/78
	AH-E-10B Starts	✓ YES NO	YES	CMC / GPU	3/19/78
	AH-D-5680 opens upon start AH-E-10A	✓ YES NO	YES	CMC / GPU	3/19/78
	AH-D-5673 opens upon start AH-E-10B	✓ YES NO	YES	CMC / GPU	3/19/78
	AH-E-9A starts after 10 sec. time delay	✓ YES NO	YES	CMC / GPU	3/19/78
	AH-E-9B starts after 10 sec. time delay	✓ YES NO	YES	CMC / GPU	3/19/78
	AH-D-5712 opens upon start of AHE-9A	✓ YES NO	YES	CMC / GPU	3/19/78
	AH-D5710 opens upon start of AHE-9B	✓ YES NO	YES	CMC / GPU	3/19/78
	AH-D5714 opens upon start of AH-E-9A and AH-E-9B	✓ YES NO	YES	CMC / GPU	3/19/78
10.1.3	AH-C-44A energized	✓ YES NO	YES	CMC / GPU	3/19/78
	AH-C-44B energized	✓ YES NO	YES	CMC / GPU	3/19/78

Duplicate Page 0

Step No.	Description of Data Required	Data	Acceptance Criteria	Initials / Org.	Date
10.1.3 (Cont'd)	AH-C-46 energized	✓ YES NO	YES	CMC / GDU	3/19/78
	AH-C-12 energized	✓ YES NO	YES	CMC / GDU	3/19/78
	AH-C-45A and 45B energized	✓ YES NO	YES	CMC / GDU	3/19/78
	AH-C-11A thru 11H as applicable	✓ YES NO	YES	CMC / GDU	3/19/78
10.1.4	AH-E10A stops	✓ YES NO	YES	CMC / GDU	3/19/78
	AH-E-10B stops	✓ YES NO	YES	CMC / GDU	3/19/78
	AH-D-5680 closes	✓ YES NO	YES	CMC / GDU	3/19/78
	AH-D-5673 closes	✓ YES NO	YES	CMC / GDU	3/19/78
	AH-E-9A stops	✓ YES NO	YES	CMC / GDU	3/19/78
	AH-E-9B stops	✓ YES NO	YES	CMC / GDU	3/19/78
	AH-D-5712 closes	✓ YES NO	YES	CMC / GDU	3/19/78

229 048

Duplicate Page 0

Step No.	Description of Data Required	Data	Acceptance Criteria	Initials / Org.	Date
10.1.4 (Cont'd)	AH-D-5710 closes	✓ YES / NO	YES	CMC / GPLL	3/19/78
	AH-D-5714 closes	✓ YES / NO	YES	CMC / GPLL	3/19/78
	AH-C-44A de-energizes	✓ YES / NO	YES	CMC / GPLL	3/19/78
	AH-C-44B de-energizes	✓ YES / NO	YES	CMC / GPLL	3/19/78
	AH-C-46 de-energizes	✓ YES / NO	YES	CMC / GPLL	3/19/78
	AH-C-12 de-energizes	✓ YES / NO	YES	CMC / GPLL	3/19/78
	AH-C-45A & 45B de-energize	✓ YES / NO	YES	CMC / GPLL	3/19/78
	AH-C-11A thru 11H de-energize as applicable	✓ YES / NO	YES	CMC / GPLL	3/19/78
10.1.5	AH-E-10C starts	✓ YES / NO	YES	CMC / GPLL	3/19/78
	AH-E-10D starts	✓ YES / NO	YES	CMC / GPLL	3/19/78
	AH-D-5670 opens upon start of AH-E-10C	✓ YES / NO	YES	CMC / GPLL	3/19/78

Duplicate Page 0

229 049

Step No.	Description of Data Required	Data	Acceptance Criteria	Initials / Org.	Date
10.1.5 (Cont'd)	AH-D-5655 opens upon start of AH-E-10D	✓ YES NO	YES	CMC / GPU	3/19/78
	AH-E-9A starts after 10 sec. time delay	✓ YES NO	YES	CMC / GPU	3/19/78
	AH-E-9B starts after 10 sec. time delay	✓ YES NO	YES	CMC / GPU	3/19/78
	AH-D-5712 opens upon start of AH-E-9A	✓ YES NO	YES	CMC / GPU	3/19/78
	AH-D-5710 opens upon start of AH-E-9B	✓ YES NO	YES	CMC / GPU	3/19/78
	AH-D-5714 opens upon start of AH-E9A & 9B	✓ YES NO	YES	CMC / GPU	3/19/78
	AH-C-44A energizes	✓ YES NO	YES	CMC / GPU	3/19/78
	AH-C-44B energizes	✓ YES NO	YES	CMC / GPU	3/19/78
	AH-C-46 energizes	✓ YES NO	YES	CMC / GPU	3/19/78
	AH-C-12 energizes	✓ YES NO	YES	CMC / GPU	3/19/78
	AH-C-45A & 45B energize	✓ YES NO	YES	CMC / GPU	3/19/78

OFFICIAL FIELD COPY

Duplicate Page 0

Step No.	Description of Data Required	Data	Acceptance Criteria	Initials / Org.	Date
10.1.5 (Cont'd)	AH-C-11A thru 11H energize as applicable	✓ YES NO	YES	[illegible]	3/19/78
10.1.7	AH-E-10C & 10D stop	✓ YES NO	YES	[illegible]	3/19/78
	AH-E-10A & 10B start	✓ YES NO	YES	[illegible]	3/19/78
10.1.9	AH-E-10A & 10B stop	✓ YES NO	YES	[illegible]	3/19/78
	AH-E-10C & 10D start	✓ YES NO	YES	[illegible]	3/19/78
10.1.10	AH-C-44A de-energized	✓ YES NO	YES	[illegible]	3/19/78
	AH-C-44B de-energized	✓ YES NO	YES	[illegible]	3/19/78
	AH-C-46 de-energized	✓ YES NO	YES	[illegible]	3/19/78
	AH-C-12 de-energized	✓ YES NO	YES	[illegible]	3/19/78
	AH-C-45A/B de-energized	✓ YES NO	YES	[illegible]	3/19/78

Duplicate Page 0

Step No.	Description of Data Required	Data	Acceptance Criteria	Initials / Org.	Date
10.1.10 (Cont'd)	AH-C-11A thru 11H de-energized	✓ YES ___ NO	YES	CRC / GPU	3/19/78
10.1.11	AH-C-44A energized	✓ YES ___ NO	YES	CRC / GPU	3/19/78
	AH-C-44B energized	✓ YES ___ NO	YES	CRC / GPU	3/19/78
	AH-C-46 energized	✓ YES ___ NO	YES	CRC / GPU	3/19/78
	AH-C-12 energized	✓ YES ___ NO	YES	CRC / GPU	3/19/78
	AH-C-45A/B energized	✓ YES ___ NO	YES	CRC / GPU	3/19/78
	AH-C-11A thru 11H energized	✓ YES ___ NO	YES	CRC / GPU	3/19/78
10.2.3 E-3	Pressure drop across filters (MTE-4 Manometer reading)	___ IN. H_2O	3.0± .3 "H_2O		
10.2.4 E-3	Pressure drop across filters (MTE-4 Manometer reading)	___ IN. H_2O	2.0±.2 "H_2O		

Duplicate Page 0

SECTION 10.0 - DATA REQUIRED

Step No.	Description of Data Required	Data	Acceptance Criteria	Initials / Org.	Date
10.2.5 5-3 6-3	Pressure drop across filters (MTE-4 Manometer reading)	____IN. H_2O	2.5± .25"H_2O		
10.3.3 4	'Fuel Bldg./Aux. Bldg. ΔP Hi/Lo" Alarm on panel 25 energizes	✓ YES ____NO	YES	TMA / GPU	3-24-78
10.3.4 5-4	"FuelBldg./Aux. Bldg. ΔP Hi/Lo" Alarm on panel 25 clears	✓ YES ____NO	YES	TMA / GPU	3-24-78
10.3.5 5-4	"Fuel Bldg./Aux. Bldg. ΔP Hi/Lo" Alarm on panel 25 energizes	✓ YES ____NO	YES	TMA / GPU	3-24-78
10.3.6 5-4	"Fuel Bldg./Aux. Bldg. ΔP Hi/Lo" Alarm on panel 25 clears	✓ YES ____NO	YES	TMA / GPU	3-24-78
4 10.3.8	AH-DAC-5678 CAN MAINTAIN ≥ -0.125" WG IN FH BUILDING	✓ YES — NO	YES	TMA / GPU	3-24-78

OFFICIAL FIELD COPY

Duplicate Page 0

229 053

11.0 ACCEPTANCE CRITERIA

11.1 All acceptance criteria is included in Section 10.0.

Duplicate Page 0

TEST PROCEDURE EXCEPTION AND DEFICIENCY LIST Rev. 1

ENCLOSURE 1 OF TP 177/2

COVER PAGE

The exception and deficiency consists of the following pages: 1,

	E/D	Pr.	Description/Initial/Date	Justification/Resolution	Justified/ Completed Signoff	Date
1	E	2.5.1 2.5.6 2.2 2.3 2.1	Updated Revisions, amend issue dates, etc. JCU 1/31/78	Doesn't affect the scope or intent of TP.	J.C. Ulrich	1/31/78
	E	4.2.1	NEC has not accepted system for preoperational testing. CRDC 3/17/78	Doesn't affect the scope or intent of TP.	Craig D. Mallie	3/17/78
	E	1.3 8.2.1 9.2 10.2	DELETED DIFFERENTIAL PRESSURE CONTROLLER BY AH-D-5714 TMH 3-23-78	FQ 2487 - Deletes ΔP CONTROLLER FROM SYSTEM.	J. M. Hawkins	3-23-78
	E	8.3.1 9.3 10.3	THE ALARMS DO NOT OPERATE FROM AH-DPC-5678 BUT FROM AH-DPT-5704 TMH 3-24-78	MODIFIED SECT. 9.3 TO REFLECT CORRECT INSTRUMENT FOR ALARM CHECK AND DIFFERENTIAL PRESSURE CONTROLLER	J. M. Hawkins	3-24-78

OFFICIAL FIELD COPY

229 055

Duplicate Page 0

ENCLOSURE 1 of TI-3

BRIEFING CHECK LIST

PRIOR TO STARTING A TEST, THE GPU SHIFT TEST ENGINEER SHALL ASSURE HIMSELF THAT ALL ITEMS ON THIS CHECK LIST HAVE BEEN CONSIDERED AND THAT A PROPER BRIEFING HAS BEEN CONDUCTED.

TEST PROCEDURE TITLE: Fuel Handling Bldg. HeV NO. TP 177/2

		Init. - Date
1.	Test appears on the Test Plan.	CM 3/19/78
2.	Applicable TCN's incorporated in T/P.	CM 3/19/78
3.	All key personnel at briefing have indicated that they have read T/P.	CM 3/19/78
4.	All special precautions have been discussed.	CM 3/19/78
5.	All required test preparations have been made.	CM 3/19/78
6.	Adequate communications provided.	CM 3/19/78
7.	Necessary tools and instruments available.	CM 3/19/78
Rev. 2 8.	All required instruments in service. Check to assure calibration is valid.	CM 3/19/78
9.	All applicable alarms in service.	CM 3/19/78
10.	Water quality/chemistry satisfactory.	CM 3/19/78
11.	All equipment (instruments, switches, valves, etc.) have been tagged out as required.	CM 3/14/78
12.	Any other tests running concurrently.	CM 3/14/78
13.	All key personnel have been instructed what to do in case of a casualty.	CM 3/14/78
14.	Special safety equipment available.	CM 3/19/78
Rev. 1 15.	List any test rigs installed for this T/P. Check to assure calibration is valid.	CM 3/19/78
16.	What steps will be taken to remove any test rigs installed in item 15.	CM 3/19/78

229 056

Init. - Date

17. Is current valve lineup status of systems satisfactory for conduct of this test. CRC 3/19/78

18. What steps will be taken to return systems to normal lineup following completion of test. CRC 3/19/78

19. Are all WA's cleared which would effect performance of this test? CRC 3/19/78

20. Enter type and results of briefings in STE's log. CRC 3/19/78

Conducted class C briefing with Pat Ryder.
Gary McMillin 3/19/78

Conducted Class C Briefing with Chuck Adams
DM Dawkins 3-24-78

229 057