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 JUN 24 1997
 (67)

ENGINEERING DATA TRANSMITTAL

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(A) Item No.	(B) Document/Drawing No.	(C) Sheet No.	(D) Rev. No.	(E) Title or Description of Data Transmitted	Impact Level	Reason for Transmittal	Originator Disposition	Receiver Disposition
1	HNF-SD-W058-ATP-006	—	0	Acceptance Test for SY farm and 244-A Lift Station Jumper Instrumentation.	SQ	1		

16. KEY					
Impact Level (F)		Reason for Transmittal (G)		Disposition (H) & (I)	
1, 2, 3, or 4 (see MRP 5.43)		1. Approval	4. Review	1. Approved	4. Reviewed no/comment
		2. Release	5. Post-Review	2. Approved w/comment	5. Reviewed w/comment
		3. Information	6. Dist. (Receipt Acknow. Required)	3. Disapproved w/comment	6. Receipt acknowledged

17. SIGNATURE/DISTRIBUTION (See Impact Level for required signatures)											
(G)	(H)	(J) Name	(K) Signature	(L) Date	(M) MSIN	(J) Name	(K) Signature	(L) Date	(M) MSIN	Reason	Disp.
1	1	Cog. Eng. K. A. Colosi	R3-25	6/20/97							
1	1	Cog. Mgr. G. L. Parsons	R3-47	6/23/97							
1	1	QA L. R. Hall	R3-47	6-23-97							
1	1	Safety O. M. Jaka	R3-08	6/23/97							
1	1	X-fer Cog. M. J. Sutey	T4-08	6-23-97							
1	1	Startup M. D. Gerken	R3-25	6/24/97							
1	1	Ops. D. R. Nunemaker	T4-08	6/24/97							

18. K. A. Colosi Signature of EDT Originator Date: 6/20/97	19. K. A. Colosi Authorized Representative for Receiving Organization Date: 6/20/97	20. G. L. Parsons Cognizant/Project Engineer's Manager Date: 6-23-97	21. DOE APPROVAL (if required) Ltr. No. <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/comments <input type="checkbox"/> Disapproved w/comments
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Acceptance test procedure for SY farm and 244-A Lift station jumper instrumentation

M.A. Friedrich
Flour Daniel Northwest, Richland, WA 99352
U.S. Department of Energy Contract DE-AC06-96RL13200

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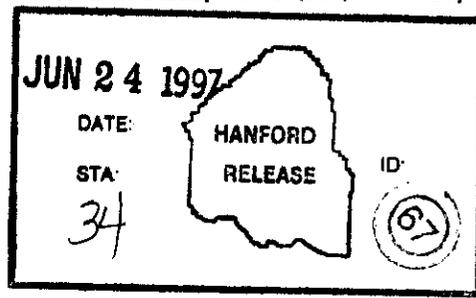
Abstract: This report documents the steps required to accept the jumper instrumentation for SY Farm and 244-A Lift Station.

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Release Approval

JUN 24 1997
Date



Release Stamp

Approved for Public Release

ACCEPTANCE TEST PROCEDURE HNF-SD-W058-ATP-006

TEST TITLE SY FARM AND 244-A LIFT STATION JUMPER INSTRUMENTATION

LOCATION 2310 W BUILDING

PROJECT NUMBER W-058 WORK ORDER _____

PROJECT TITLE REPLACEMENT OF CROSS-SITE TRANSFER SYSTEM

Prepared for
Fluor Daniel Northwest

By
Lockheed Martin Hanford Corp.
Richland, Washington

PROCEDURE APPROVAL

Fluor Daniel Northwest (FDNW)

<u>Mark A Friederich</u> Author	<u>6-20-97</u> Date	<u>Robert B Hoffmann</u> Technical Documents	<u>6-20-97</u> Date
<u>C.J. Munnis</u> Checker	<u>6/20/97</u> Date	<u>NA</u> Safety	_____ Date
<u>NA</u> Environmental	_____ Date	<u>Larry R. Hall</u> Quality Engineering	<u>6-23-97</u> Date
<u>H. Hendon</u> Project Management	<u>6/23/97</u> Date		

Lockheed Martin Hanford Corp. (LMHC)
NHC

<u>M. Parsons</u> Projects Department	<u>6-23-97</u> Date	<u>Larry R. Hall</u> Quality Assurance (FDNW)	<u>6-23-97</u> Date
<u>m. D. ... John</u> Safety	<u>6/23/97</u> Date	<u>D.A. ...</u> Operations	<u>6-20-97</u> Date

EXECUTION AND TEST APPROVAL

EXECUTED BY

_____ Test Director/Organization	_____ Date	_____ Test Operator/Organization	_____ Date
_____ Recorder/Organization	_____ Date		

WITNESSES

_____ Witness/Organization	_____ Date	_____ Title III Inspector	_____ Date
_____ Witness/Organization	_____ Date	_____ Witness/Organization	_____ Date

A-E APPROVAL

Fluor Daniel Northwest (FDNW)

Without exceptions _____ With exceptions resolved _____ With exceptions outstanding _____

_____ Acceptance Inspection	_____ Date	_____ Design Engineer	_____ Date
_____ Project Manager	_____ Date		

TEST APPROVAL AND ACCEPTANCE

Lockheed Martin Hanford Company (LMHC)

Without exceptions _____ With exceptions resolved _____ With exceptions outstanding _____

_____ Projects Department	_____ Date	_____ Quality Assurance	_____ Date
_____ Safety	_____ Date	_____ Operations	_____ Date

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NOTE: At completion of test, enter pages added during performance of test to this Table of Contents.

1 PURPOSE

This Acceptance Test Procedure (ATP) has been prepared to demonstrate that the Jumper/Instrumentation systems function as required by project criteria and HNF-SD-W058-SUP-002.

2 REFERENCES

2.1 DRAWINGS

H-2-822537 Sh 1, Rev. 0	Electrical Elementary MOV's 843, 844, 845 & 846
H-2-822293 Sh 1, Rev. 1	Jumper Assembly L12-L14-L15-L16-F-H Valve Pit 241-SY-A
H-2-822293 Sh 2, Rev. 1	Jumper Assembly L12-L14-L15-L16-F-H Valve Pit 241-SY-A
H-2-822323 Sh 1, Rev. 1	Jumper Assembly P17-P9-5 Lift Station 244-A
H-2-822322 Sh 1, Rev. 1	Jumper Assembly P18-G-3 Lift Station 244-A
H-2-822322 Sh 2, Rev. 1	Jumper Assembly P18-G-3 Lift Station 244-A
H-2-822322 Sh 3, Rev. 0	Jumper Assembly P18-G-3 Lift Station 244-A

2.2 SPECIFICATIONS

W-058-C2, Rev. 0	Construction Specification
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2.3 OTHER

HNF-SD-W058-SUP-002	Project W-058 Startup Test Plan
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3 RESPONSIBILITIES

3.1 GENERAL

Each company or organization participating in this ATP will designate personnel to assume the responsibilities and duties as defined herein for their respective roles. The designees shall become familiar with this ATP and the systems involved to the extent that they can perform their assigned duties.

3.2 NHC PROJECT ENGINEER

- 3.2.1 Designates a Test Director.
- 3.2.2 Coordinates testing with the 277 W Building Manager.
- 3.2.3 Acts as liaison between the participants in acceptance testing.
- 3.2.4 Distributes the approved testing schedule before start of testing.
- 3.2.5 Schedules and conducts a pretest kickoff meeting with test participants when necessary.
- 3.2.6 Notifies the persons supporting the test 2 days before the start of testing.

- 3.2.7 Schedules a dry run when necessary.
- 3.2.8 Notifies concerned parties when a change is made in the testing schedule.
- 3.2.9 Signs Execution and Test Approval page when test is approved and accepted.
- 3.2.10 Takes necessary action to clear exceptions to the test.
- 3.2.11 Signs Exception Form when exception has been resolved.
- 3.2.12 Provides a distribution list for the approved and accepted ATP(ATR).

3.3 TEST DIRECTOR

- 3.3.1 Coordinates and directs acceptance testing.
- 3.3.2 Confirms that field testing and inspection of the system or portion of the system to be tested has been completed.
- 3.3.3 Stops any test which, in his or her judgment, may cause damage to the system until the problem has been resolved.
- 3.3.4 After verifying there is no adverse impact, may alter the sequence in which systems or subsystems are tested.
- 3.3.5 Ensures that required environmental conditions are maintained.
- 3.3.6 If a test is to be suspended for a period of time, ensures that the system is left in a safe mode.
- 3.3.7 Before restarting suspended test, re-verifies the test prerequisites.
- 3.3.8 Initiates ECNs to document required changes to the ATP.
- 3.3.9 Reviews recorded data, discrepancies, and exceptions.
- 3.3.10 Obtains information or changes necessary to clear or resolve objections during the performance of the test.
- 3.3.11 Signs Execution and Test Approval page when test has been performed.
- 3.3.12 Signs Exception Form when exception has been resolved.
- 3.3.13 Obtains required signatures on the ATP Master prior to reproduction and distribution.

3.4 WITNESSES (Provided by Participating Organizations. One witness shall be a Title III acceptance inspector.)

- 3.4.1 Witness the tests.
- 3.4.2 Review results of testing.

- 3.4.3 Assist the Test Director when requested.
- 3.4.4 Sign Execution and Test Approval page when test has been performed.
- 3.4.5 Sign Exception Form when exception has been resolved.
- 3.5 RECORDER (Provided by FDNW)
 - 3.5.1 Prepares a Field copy from the ATP Master.
 - 3.5.2 Records names of all designated personnel on Field copy of ATP prior to start of testing.
 - 3.5.3 Records test instrument identification numbers and calibration expiration dates, as required.
 - 3.5.4 Initials and dates every test step on the Field copy as it is completed next to the step number or on a data sheet, when provided. Records test data. On data sheets where there is not room for both the initial and date, date may be entered at bottom of column.
 - 3.5.5 Records objections and exceptions on an Exception Form. Uses additional Exception Forms as needed. Notifies the Test Director at time the objection is made. Fills out Test Exception Log.
 - 3.5.6 Signs Execution and Test Approval page when test has been performed.
 - 3.5.7 After test is finished, assigns alpha numeric page numbers to added data sheets and Exception Forms. Records page numbers in the Table of Contents.
 - 3.5.8 Transfers Field copy entries for each step to the Master in ink or type, signs, and dates. Transmits the completed Master to the Test Director for approval signature routing. Transmits the Field copy to Construction Document Control for inclusion in the official project file.
 - 3.5.9 Signs Exception Form when exception has been resolved and transmits to Test Director.
- 3.6 TEST OPERATOR
 - 3.6.1 Performs test under direction of the Test Director.
 - 3.6.2 Provides labor, equipment, and test instruments required for performing tests which have not been designated as being provided by others.
 - 3.6.3 Requests in writing from the Test Director those services, materials, or equipment that have been designated as being supplied by others.
 - 3.6.4 Confirms that all equipment required for performing test will be available at the start of testing.
 - 3.6.5 Signs the Execution and Test Approval page.

3.7 A-E ACCEPTANCE INSPECTION, DESIGN ENGINEER, AND PROJECT MANAGER

3.7.1 Evaluate results.

3.7.2 Sign for A-E Approval on Execution and Test Approval page.

4 CHANGE CONTROL

Required changes to this ATP must be processed on ECNs in accordance with company procedures. If a need for change is discovered in the course of running the test, the test shall be stopped until the ECN is approved. However, this does not prevent the running of another portion of the test unaffected by the change.

5 EXECUTION

5.1 OCCUPATIONAL SAFETY AND HEALTH

Individuals shall carry out their assigned work in a safe manner to protect themselves and others from undue hazards and to prevent damage to property and environment. Facility line managers shall assure the safety of activities within their areas to prevent injury, property damage, or interruption of operation. Performance of test activities shall always include safety and health aspects.

5.2 PERFORMANCE

5.2.1 Conduct testing in accordance with FDNW Procedure CON 3.5 (Performance and Recording of Acceptance Test Procedures).

5.2.2 Perform test following the steps and requirements of this procedure.

6 EXCEPTIONS

6.1 GENERAL

Exceptions to the required test results are sequentially numbered and recorded on individual Exception Forms. This enables case-by-case resolution and approval of each exception.

Errors/exceptions in the ATP itself shall NOT be processed as test exceptions (see Section 4 CHANGE CONTROL).

6.2 RECORDING

6.2.1 Number each exception sequentially as it occurs and record it on an Exception Form (KEH-428), sample appended.

6.2.2 Enter name and organization of objecting party for each exception.

6.2.3 Enter planned action to resolve each exception when such determination is made.

6.3 RETEST/RESOLUTION

Record the action taken to resolve each exception. Action taken may not be the same as planned action.

6.3.1 When action taken results in an acceptable retest, sign and date Retest Execution and Acceptance section of the Exception Form.

6.3.2 When action taken does not involve an acceptable retest, strike out the Retest Execution and Acceptance section of the Exception Form.

6.4 APPROVAL AND ACCEPTANCE

The customer provides final approval and acceptance of exceptions by checking one of the following on Exception Form:

6.4.1 Retest Approved and Accepted: Applicable when Retest Execution and Acceptance section is completed.

6.4.2 Exception Accepted-As-Is: Requires detailed explanation.

6.4.3 Other: Requires detailed explanation.

The customer signs and dates the Exception Form and obtains other customer internal approvals, if required.

6.5 DISTRIBUTION

A copy of the approved Exception Form is distributed to each participant. The signed original is attached to the ATP Master.

7 PREREQUISITES, EQUIPMENT/INSTRUMENTS, AND ABBREVIATIONS

7.1 PREREQUISITES

The following conditions shall exist at start of testing for that portion of the system being tested.

7.1.1 Systems have been inspected for compliance with construction documents. All construction acceptance testing associated with these systems has been completed, reviewed and approved.

7.1.2 Reference documents (including this ATP) have been verified for correct revision number and outstanding ECNs.

7.1.3 A Prejob Safety Analysis has been prepared and a Prejob Safety Meeting has been conducted.

7.1.4 Test instruments have a valid calibration stamp attached. Test instrument identification numbers and calibration expiration dates have been recorded in Para 7.2.

7.1.5 120 V ac power is available.

7.2 EQUIPMENT/INSTRUMENTS

Supplied by Test Operator unless otherwise noted.

7.2.1 Voltohmmeters (VOM):

Manufacturer _____ Model No. _____ Serial No. _____

Calibration Date _____ Expiration Date _____

7.2.2 Process Instrumentation Calibrator (PIC): Output 4-20 mA, 0-5 V; Input 4-20 mA, 0-5 V; Accuracy ± 0.01 mA, 0.1 V.

Manufacturer _____ Model No. _____ Serial No. _____

Calibration Date _____ Expiration Date _____

7.2.3 Hydrostatic Test Equipment (HTE): 0 to 500 psi range

Manufacturer _____ Model No. _____ Serial No. _____

Calibration Date _____ Expiration Date _____

7.2.4 Surface Pyrometer:

Manufacturer _____ Model No. _____ Serial No. _____

Calibration Date _____ Expiration Date _____

7.2.5 Heat Gun

7.3 ABBREVIATIONS

ECN Engineering Change Notice

RWP Radiation Work Permit

SWP Special Work Procedure

8 PREPARATION

8.1 PERFORM FOLLOWING STEPS BEFORE BEGINNING TESTS.

_____ 8.1.1 Verify all prerequisites of Para 7.1 have been met.

_____ 8.1.2 Notify 277 W Building Manager.

NOTE: Keep appropriate personnel informed as to test status.

END OF SECTION 8

9 241-SY-A VAULT JUMPER INSTRUMENTATION TEST

This test will demonstrate the integrity of the 241-SY-A Valve Pit jumper instrumentation.

9.1 PRESSURE TRANSMITTER PT-3113 (Reference Drawing H-2-822293 Sh 1 and 2)

NOTE: All steps are performed at the 277 W Building unless otherwise noted.

- _____ 9.1.1 Close valve V-3110 of jumper L14-L15.
 - _____ 9.1.2 Connect HTE to L14 end of jumper.
 - _____ 9.1.3 Connect wire PT-3113(+) to positive terminal of PIC.
 - _____ 9.1.4 Connect wire PT-3113(-) to negative terminal of PIC.
 - _____ 9.1.5 Increase pressure hydrostatically to 300 psi.
 - _____ 9.1.6 Verify PIC reads 300 ± 6 psi.
 - _____ 9.1.7 Decrease pressure to 150 psi.
 - _____ 9.1.8 Verify PIC reads 150 ± 6 psi.
 - _____ 9.1.9 Decrease pressure to 0 psi.
 - _____ 9.1.10 Verify PIC reads 0 ± 6 psi.
 - _____ 9.1.11 Disconnect PIC.
 - _____ 9.1.12 Disconnect HTE.
- 9.2 POSITION SWITCH ZSH-3113 (Reference Drawing H-2-822293 Sh 1 and 2)
- _____ 9.2.1 Connect wires ZSH-3113-1 and ZSH-3113-2 to VOM.
 - _____ 9.2.2 Open manual valve V-3113 until the VOM indicates there is no continuity.
 - _____ 9.2.3 Verify valve is fully open $\pm 5\%$ of travel.
 - _____ 9.2.4 Close manual valve V-3113 until the VOM indicates that continuity exists.
 - _____ 9.2.5 Verify valve is fully closed $\pm 5\%$ of travel.
 - _____ 9.2.6 Disconnect VOM.

END OF SECTION 9

10 244-A LIFT STATION JUMPER INSTRUMENTATION TEST

This test will demonstrate the integrity of the 244-A Lift Station jumper instrumentation.

10.1 PRESSURE TRANSMITTER PT-841 (Reference Drawing H-2-822323, Sh 1)

NOTE: All steps are performed at the 277 W Building unless otherwise noted.

- _____ 10.1.1 Put valve MOV-843 of jumper P9-P17 in position 3.
- _____ 10.1.2 Connect HTE to P9 end of jumper.
- _____ 10.1.3 Connect wire PT-841(+) to positive terminal of PIC.
- _____ 10.1.4 Connect wire PT-841(-) to negative terminal of PIC.
- _____ 10.1.5 Increase pressure until HTE reads 300 psi.
- _____ 10.1.6 Verify PIC reads 300 ± 6 psi.
- _____ 10.1.7 Decrease pressure until VTPS reads 150 psi.
- _____ 10.1.8 Verify PIC reads 150 ± 6 psi.
- _____ 10.1.9 Decrease pressure until VTPS reads 0 psi.
- _____ 10.1.10 Verify PIC reads 0 ± 6 psi.
- _____ 10.1.11 Disconnect PIC.
- _____ 10.1.12 Disconnect HTE.

10.2 TEMPERATURE ELEMENT TE-841 (Reference Drawing H-2-822323, Sh 1)

NOTE: All steps are performed at the 277 W Building unless otherwise noted.

- _____ 10.2.1 Connect temperature element TE-841 to PIC.
- _____ 10.2.2 Verify PIC reads ambient temperature.
- _____ 10.2.3 Attach surface pyrometer next to temperature sensor TE-841.
- _____ 10.2.4 Direct heat gun at TE-841 until PIC reads 150 ± 5 °F.
- _____ 10.2.5 Verify that pyrometer temperature reading is 145 ± 5 °F.
- _____ 10.2.6 After approximately 10 minutes, verify that PIC reads within 5 °F of pyrometer reading.
- _____ 10.2.7 Detach surface pyrometer.
- _____ 10.2.8 Disconnect PIC.

10.3 MOTOR OPERATED VALVE MOV-843

NOTE: All steps are performed at the 277 W Building unless otherwise noted (Reference Drawing H-2-822537 Sh 1).

- _____ 10.3.1 Connect VOM across terminals 10 and 11 of MOV-843 and verify that there is no continuity.
- _____ 10.3.2 Connect 120 V ac to terminal 5 of MOV-843.
- _____ 10.3.3 Verify valve is within $\pm 5\%$ of center position when VOM indicates continuity.
- _____ 10.3.4 Connect VOM across terminals 6 and 7 of MOV-843 and verify that there is no continuity.
- _____ 10.3.5 Connect VOM across terminals 8 and 9 and verify that there is no continuity.
- _____ 10.3.6 Disconnect 120 V ac from terminal 5 and connect 120 V ac to terminal 3 of MOV-843.
- _____ 10.3.7 Verify valve is within $\pm 5\%$ of open position when VOM across terminals 6 and 7 indicates continuity.
- _____ 10.3.8 Connect VOM across terminals 10 and 11 and verify that there is no continuity.
- _____ 10.3.9 Connect VOM across terminals 8 and 9 of MOV-843 and verify that there is no continuity.
- _____ 10.3.10 Disconnect 120 V ac from terminal 3 and connect 120 V ac to terminal 4 of MOV-843.
- _____ 10.3.11 Verify valve is within $\pm 5\%$ of closed position when VOM across terminals 8 and 9 indicates continuity.
- _____ 10.3.12 Connect VOM across terminals 6 and 7 and verify that there is no continuity.
- _____ 10.3.13 Connect VOM across terminals 10 and 11 and verify that there is no continuity.

10.4 MOTOR OPERATED VALVE MOV-846

NOTE: All steps are performed at the 277 W Building unless otherwise noted (Reference Drawing H-2-822537 Sh 1).

- _____ 10.4.1 Connect a VOM across terminals 7 and 8 of MOV-846 and verify that there is no continuity.
- _____ 10.4.2 Connect 120 V ac to terminal 3 of MOV-846.
- _____ 10.4.3 Verify valve is within $\pm 5\%$ of open position when VOM indicates continuity.

- _____ 10.4.4 Connect a VOM across terminals 10 and 12 of MOV-846 and verify that there is no continuity.
- _____ 10.4.5 Disconnect 120 V ac from terminal 3 and connect 120 V ac to terminal 4 of MOV-846.
- _____ 10.4.6 Verify valve is within $\pm 5\%$ of closed position when VOM across terminals 10 and 12 indicates continuity.
- _____ 10.4.7 Verify VOM across terminals 7 and 8 indicates that there is no continuity.
- _____ 10.4.8 Connect 120 V ac to terminal 3 of MOV-846.
- _____ 10.4.9 Verify VOM across terminals 10 and 12 indicates no continuity.

10.5 PRESSURE TRANSMITTER PT-842 (Reference Drawings H-2-822322 Sh 1, 2 and 3).

NOTE: All steps are performed at the 277 W Building unless otherwise noted.

- _____ 10.5.1 Put valve MOV-844 of jumper P7-P18 in position 1.
- _____ 10.5.2 Connect HTE to P7 end of jumper.
- _____ 10.5.3 Connect wire PT-842(+) to positive terminal of PIC.
- _____ 10.5.4 Connect wire PT-842(-) to negative terminal of PIC.
- _____ 10.5.5 Increase pressure hydrostatically to 300 psi.
- _____ 10.5.6 Verify PIC reads 300 ± 6 psi.
- _____ 10.5.7 Decrease pressure to 150 psi.
- _____ 10.5.8 Verify PIC reads 150 ± 6 psi.
- _____ 10.5.9 Decrease pressure to 0 psi.
- _____ 10.5.10 Verify PIC reads 0 ± 6 psi.
- _____ 10.5.11 Disconnect PIC.
- _____ 10.5.12 Disconnect HTE.

10.6 TEMPERATURE ELEMENT TE-842 (Reference Drawings H-2-822322 Sh 1, 2 and 3)

NOTE: All steps are performed at the 277 W Building unless otherwise noted.

- _____ 10.6.1 Connect temperature element TE-842 to PIC.
- _____ 10.6.2 Verify PIC reads ambient temperature.
- _____ 10.6.3 Attach surface pyrometer next to temperature sensor TE-842.

- _____ 10.6.4 Direct heat gun at TE-842 until PIC reads 150 ± 5 °F.
- _____ 10.6.5 Verify that pyrometer temperature reading is 145 ± 5 °F.
- _____ 10.6.6 After approximately 10 minutes, verify that PIC reads within 5 °F of pyrometer reading.
- _____ 10.6.7 Detach surface pyrometer.
- _____ 10.6.8 Disconnect PIC.

10.7 MOTOR OPERATED VALVE MOV-844

NOTE: All steps are performed at the 277 W Building unless otherwise noted (Reference Drawing H-2-822537 Sh 1).

- _____ 10.7.1 Connect VOM across terminals 10 and 11 of MOV-844 and verify that there is no continuity.
- _____ 10.7.2 Connect 120 V ac to terminal 5 of MOV-844.
- _____ 10.7.3 Verify valve is within $\pm 5\%$ of center position when VOM indicates continuity.
- _____ 10.7.4 Connect VOM across terminals 6 and 7 of MOV-844 and verify that there is no continuity.
- _____ 10.7.5 Connect VOM across terminals 8 and 9 and verify that there is no continuity.
- _____ 10.7.6 Disconnect 120 V ac from terminal 5 and connect 120 V ac to terminal 3 of MOV-844.
- _____ 10.7.7 Verify valve is within $\pm 5\%$ of open position when VOM across terminals 6 and 7 indicates continuity.
- _____ 10.7.8 Connect VOM across terminals 10 and 11 and verify that there is no continuity.
- _____ 10.7.9 Connect VOM across terminals 8 and 9 of MOV-844 and verify that there is no continuity.
- _____ 10.7.10 Disconnect 120 V ac from terminal 3 and connect 120 V ac to terminal 4 of MOV-844.
- _____ 10.7.11 Verify valve is within $\pm 5\%$ of closed position when VOM across terminals 8 and 9 indicates continuity.
- _____ 10.7.12 Connect VOM across terminals 6 and 7 and verify that there is no continuity.
- _____ 10.7.13 Connect VOM across terminals 10 and 11 and verify that there is no continuity.

10.8 MOTOR OPERATED VALVE MOV-845

NOTE: All steps are performed at the 277 W Building unless otherwise noted (Reference Drawing H-2-822537 Sh 1).

- _____ 10.8.1 Connect a VOM across terminals 7 and 8 of MOV-845 and verify that there is no continuity.
- _____ 10.8.2 Connect 120 V ac to terminal 3 of MOV-845.
- _____ 10.8.3 Verify valve is within $\pm 5\%$ of open position when VOM indicates continuity.
- _____ 10.8.4 Connect a VOM across terminals 10 and 12 of MOV-845 and verify that there is no continuity.
- _____ 10.8.5 Disconnect 120 V ac from terminal 3 and connect 120 V ac to terminal 4 of MOV-845.
- _____ 10.8.6 Verify valve is within $\pm 5\%$ of closed position when VOM across terminals 10 and 12 indicates continuity.
- _____ 10.8.7 Verify VOM across terminals 7 and 8 indicates no continuity.
- _____ 10.8.8 Connect 120 V ac to terminal 3 of MOV-845.
- _____ 10.8.9 Verify VOM across terminals 10 and 12 indicates no continuity.

END OF SECTION 10

EXCEPTION NO.		Project No.		ATP No.		Rev.	
Recorded by			Organization		Date Recorded		ATP Page No.
Step No.		Requirement					
Description of Problem							
Objector 1 (Name/Organization)				Objector 2 (Name/Organization)			
Planned Action							
Action Taken							
RETEST EXECUTION AND ACCEPTANCE							
Retest Installation Contractor		Date		Recorder		Date	
Witness 1 (Name/Organization)		Date		Witness 2 (Name/Organization)		Date	
Field Engineering		Date		Test Director (Name/Organization)		Date	
Design Engineering (Author of ATP)		Date		A-E Project Engineer		Date	
APPROVAL AND ACCEPTANCE -- OPERATING CONTRACTOR							
<input type="checkbox"/> Retest Approved and Accepted		<input type="checkbox"/> Exception Accepted-as-is*			<input type="checkbox"/> Other*		
* Explanation							
Approver 1		Date		Approver 2		Date	
Approver 3		Date		Approver 4		Date	

KEH-428 (6-85)

TEST EXCEPTION LOG

Date	Description	Disposition

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		Date 6/24/97
Project Title/Work Order HNF-SD-W058-ATP-006, Acceptance Test Procedure for SY farm and 244-A lift station jumper instrumentation		EDT No. 617932
		ECN No.

Name	MSIN	Text With All Attach.	Text Only	Attach./Appendix Only	EDT/ECN Only
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