

FNP-0-STP-611.1
March 28, 1991
Revision 4

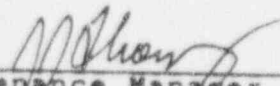
FARLEY NUCLEAR PLANT
SURVEILLANCE TEST PROCEDURE
FNP-0-STP-611.1

SPILLWAY CHANNEL AND STRUCTURE
VERIFICATION

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Approved:


Maintenance Manager

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FARLEY NUCLEAR PLANT
SURVEILLANCE TEST REVIEW SHEET

SURVEILLANCE TEST NO. FNP-0-STP-611.1	TECHNICAL SPECIFICATION REFERENCE 4.7.6.2.3
TITLE SPILLWAY CHANNEL AND STRUCTURE VERIFICATION	MODE(S) REQUIRING TEST: 1,2,3,4
<u>TEST RESULTS</u> (To be completed by test performer)	
PERFORMED BY _____ DATE/TIME _____	
COMPONENT OR TRAIN TESTED (if applicable) _____	
<input type="checkbox"/> ENTIRE STP PERFORMED	<input type="checkbox"/> For Surveillance Credit
<input type="checkbox"/> PARTIAL STP PERFORMED	<input type="checkbox"/> <u>Not</u> for Surveillance Credit
REASON FOR PARTIAL: _____	
TEST COMPLETED: <input type="checkbox"/> Satisfactory <input type="checkbox"/> Unsatisfactory	
<input type="checkbox"/> The following deficiencies occurred: _____ _____	
<input type="checkbox"/> Corrective action taken or initiated: _____ _____ _____	
<u>PERFORMING GROUP REVIEW</u>	
REVIEWED BY _____ DATE _____	
<input type="checkbox"/> Procedure properly completed and satisfactory	
<input type="checkbox"/> Comments: _____ _____	
<u>SYSTEMS PERFORMANCE</u> <u>GROUP REVIEW</u>	SCREENED BY _____ DATE _____ REVIEWED BY _____ DATE _____
<input type="checkbox"/> Satisfactory and Approved	
<input type="checkbox"/> Comments: _____ _____	

FIGURE 3

Page 1 of 1

FARLEY NUCLEAR PLANT
UNITS 1 & 2
SURVEILLANCE TEST PROCEDURE STP-611.1
SPILLWAY CHANNEL AND STRUCTURE VERIFICATION

1.0 Purpose

- 1.1 To verify the spillway channel and spillway structure are intact.

2.0 Acceptance Criteria

- 2.1 The spillway channel and spillway channel structure are intact.

3.0 References

- 3.1 FSAR, Chapter 2.0
3.2 Unit 1 and Unit 2 Technical Specification 4.7.6.2.3
3.3 FNP-0-AP-5, Surveillance Program Administrative Control
3.4 FNP-0-AP-31, Quality Control Measures
3.5 A-170538, Facility Description Storage Pond
3.6 D-171501, Outdoor Concrete Spillway Structure - General Arrangement
3.7 FNP-0-GMP-0.0, Mechanical Maintenance Precautions and Limitations

4.0 Test Equipment, Special Tools and Materials

4.1 Test Equipment

None

4.2 Special Tools

None

4.3 Materials

None

M 5.0 Precautions and Limitations

- 5.1 Wear appropriate safety equipment as required by task performance.

- 5.2 Mechanical Foreman shall be notified if discrepancies are encountered that cannot be resolved within the scope of this procedure.
- 5.3 A Maintenance Work Request (MWR) shall be issued prior to performing any corrective maintenance identified during performance of this STP.
- 5.4 Shift Supervisor shall be notified if acceptance criteria are NOT met.
- 5.5 Maintenance Group is responsible for performance, documentation and initial review of maintenance surveillance tests in accordance with FNP-0-AP-5.
- 5.6 The performance of this inspection is limited to a time when there is no water overflow from the storage pond through the spillway.
- 5.7 Observe all precautions and limitations listed in FNP-0-GMP-0.0, Mechanical Maintenance Precautions and Limitations.

M 6.0 Prerequisites and Initial Conditions

- 6.1 Shift Supervisor has authorized performance of this procedure.
- 6.2 Personnel performing the test procedure have been briefed in proper procedure performance and meet qualification requirements as specified in FNP-0-AP-31.
- 6.3 This inspection may be performed during any mode of plant operation.

7.0 Maintenance Instructions

- M 7.1 Inspect channel between the storage pond and the spillway for the following and record condition on Data Sheet 1.
 - 7.1.1 Verify there are no voids in the grass cover on the channel banks.
 - 7.1.2 Verify there is no evidence of animal burrowing in the channel banks.
 - 7.1.3 Verify that the bottom of the channel is free of debris.
 - 7.1.4 Verify that the nine 4" pipe vents with flap valves, in the 20-foot-wide concrete apron on the pond side of the structure of the channel floor, are not fouled.

- M 7.2 Inspect the channel structure for the following and record condition on Data Sheet 1.
- 7.2.1 Verify the three spillway bays and the drop area are free of debris.
 - 7.2.2 Verify the sheet piling extending from the concrete structure along both sides of the roadway is intact with no loss of backfill material.
 - 7.2.3 Verify the fifteen 4" pipe vents with flap valves in the floor downstream of the spillway drop are not fouled.
 - 7.2.4 Verify that the nine 6" vents through the structure into the fill area are clear and that the screens are in place.
 - 7.2.5 Verify that there is no evidence of cracks or breaks in any of the exposed surface of the concrete structure.
 - 7.2.6 Verify that the concrete retaining walls downstream of the structure are intact and that the 4" weep holes into the backfill area are not fouled.
- M 7.3 Inspect the downstream canal for the following and record condition on Data Sheet 1:
- 7.3.1 Verify there is no loss of backfill material from behind the sheet piling.
 - 7.3.2 Verify there is no evidence of water erosion and undercutting of the structure drop.
 - 7.3.3 Verify the out-flow canal is free of debris.
 - 7.3.4 Verify the banks of the out-flow canal are intact and the grass cover has no voids.
- S 7.4 IF any of the acceptance criteria are not satisfied, THEN notify the Shift Supervisor immediately and obtain verification signature on Data Sheet 1.
- M 7.5 Notify Shift Supervisor that task is complete.

DATA SHEET 1
SPILLING CHANNEL AND STRUCTURE VERIFICATION

TPNS NO: _____

DATE: _____

STEP	DESCRIPTION	SIGNATURE/DATE
5.0	Precautions and Limitations have been read and understood.	(M) _____/_____
6.0	Prerequisites and Initial Conditions have been satisfied.	(M) _____/_____
7.1	Inspected channel between pond and spillway. Condition: _____	(M) _____/_____
7.2	Inspected channel structure. Condition: _____	(M) _____/_____
7.3	Inspected downstream canal. Condition: _____	(M) _____/_____
7.4	Shift Supervisor signature for unsatisfactory Acceptance Criteria.	(S) _____/_____
7.5	Notified Shift Supervisor task completed.	(M) _____/_____

REMARKS: _____

 REVIEWED BY: _____ DATE: _____
 Foreman Signature

ACCEPTANCE CRITERIA: The spillway channel and spillway channel structure are intact.