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

SAFETY RELATED

Approved:

Maintenance Manager

Date Issued: 4/1/91

Dec Diskette STP06
Job 29

FARLEY NUCLEAR PLANT
SURVEILLANCE TEST REVIEW SHEET

SURVEILLANCE TEST NO.	TECHNICAL SPECIFICATION REFERENCE
FNP-0-STP-611.1	4.7.6.2.3

TITLE	MODE(S) REQUIRING TEST:
SPILLWAY CHANNEL AND STRUCTURE VERIFICATION	1,2,3,4

TEST RESULTS (To be completed by test performer)

PERFORMED BY _____ DATE/TIME _____

COMPONENT OR TRAIN TESTED (if applicable) _____

☐ ENTIRE STP PERFORMED

☐ PARTIAL STP PERFORMED ☐ For Surveillance Credit

☐ Not for Surveillance Credit

REASON FOR PARTIAL: _____

TEST COMPLETED: ☐ Satisfactory ☐ Unsatisfactory

☐ The following deficiencies occurred:

_____

_____

☐ Corrective action taken or initiated:

_____

_____

_____

PERFORMING GROUP REVIEW

REVIEWED BY _____ DATE _____

☐ Procedure properly completed and satisfactory

☐ Comments: _____

_____

SYSTEMS PERFORMANCE GROUP REVIEW

SCREENED BY _____ DATE _____

REVIEWED BY _____ DATE _____

☐ Satisfactory and Approved

☐ Comments: _____

_____

FIGURE 3

LIST OF EFFECTIVE PAGES

PAGE NO.	REVISION NO. 0	1	2	3	4	5	6	7	8	9	10
1	X		X	X	X						
2	X	X	X	X	X						
3		X	X	X							
4				X							
DATA SHEET 1				X							

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 flocr, 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.	(M) _____/_____
	Condition: _____	
7.2	Inspected channel structure.	(M) _____/_____
	Condition: _____	
7.3	Inspected downstream canal.	(M) _____/_____
	Condition: _____	
7.4	Shift Supervisor signature for unsatisfactory Acceptance Criteria.	(S) _____/_____
7.5	Notifed Shift Supervisor task completed.	(M) _____/_____

REMARKS: _____

REVIEWED BY: _____ DATE: _____
Foreman Signature

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