

R
Reference
Use

*Aux Reservoir
Bay 8*

12-13-06

SHEARON HARRIS NUCLEAR POWER PLANT

PLANT OPERATING MANUAL

VOLUME 6

PART 9

PROCEDURE TYPE: Engineering Periodic Test Procedure

NUMBER: EPT-168

TITLE: Emergency Service Water Intake and
 Screening Structures Inspection

NOTE: This procedure has been screened in accordance with PLP-100 criteria and determined to be a Case III procedure. No additional management involvement is required.

General Comment Sheet and Inspection Checklist

A. General Information

Bay Description: Screening Structure Bay 8
WO No.: 657 675616 Tag No. ESW-SCR-STRUCT
Inspected By (Print Name): Michael Matheny
Date of Inspection: 12/13/06

B. Inspection Checklist

Initials

1. Was inspection recorded on film? Y (Y/N) msm
Type of film used. ✓ Video 35mm Polaroid

NOTE: If inspection is recorded on film, the following should be included:

- Overall shots to show condition of bay being examined.
- Leader photo that includes the date and bay number.
- Photos taken in "as found" condition.
- Photos taken after fouling has been removed to show as left condition of bay.

2. Is sediment present in the bay? Y (Y/N) msm
(Document quantity and location on Attachment 2 or 3)
3. Are clams present in the bay? Y (Y/N) shells only
(If yes, estimate quantity: 1-100, 100-500,
500-1000, ✓ 1000-5000, >5000) msm
4. Bay needs cleaning? Y (Y/N) msm
5. Bay has been cleaned? Y (Y/N) msm
6. Bay equipment in satisfactory condition? Y (Y/N)

NOTE: Document all equipment inspected and document equipment condition concerns in Section C. The items below are recommended:

- Check Traveling Screens baskets, sprockets, gears etc.
- Inspection bay level instrumentation components, conduit, supports, etc.
- Check Fire Pump Suction strainers and clean if required.
- Inspection valve body, disc and general material condition.

7. Any needed repairs are completed? N (Y/N/NA) msm
8. Document any identified adverse condition. A/R N/A

General Comment Sheet and Inspection Checklist

C. Comments/Observations

As found silt levels are recorded on Att. 2. General silt depths were 0"-7". Clamshells were mixed in with ~~this~~^{material} the silt. No live or attached clams were noted. Visibility was somewhat poor so the clams could not be seen well during the inspection. Most were found in the sludge that was pumped from the bay floor. The travelling screen was inspected. The newly installed screen baskets and frames were in good condition, but the coatings were severely damaged. The travelling screen lower shaft, couplings and sprockets were in good condition. The lower driveshaft sprocket bearing indicated excessive wear (wobbly) and both chains were excessively worn. WO 990699 was written to address the bearing & chains. The concrete structure was in good condition. A thin layer of biofouling (1/16" - 1/2") was noted on the walls, but was not judged to be problematic. There was no biofouling on the screens. Instrumentation was in good condition and the level float moved properly. The pump suction for the FP screen wash, JFP and MDEF were clear with no significant accumulation on the suction strainers. The bay sediment was sucked out with a submersible pump.

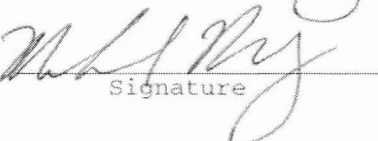
Completed By:


Signature

Date:

12/14/06

Reviewed By 89-13
Program Manager:


Signature

Date:

12/14/06

After receiving the final review and approval signature, this EPT becomes a QA RECORD and is to be submitted to Document Services.

Screening Structure Inspection Form

Screening Structure Bay No.: Bay 8
Inspected By (Print Name): Michael Matheny Date: 12/13/06
W/ Divers

Trash Racks			
* 7"	* 6"	* 6"	
* 5"	* 4"	* 4"	* Stop Log Slot
* 3"	* 5"	* 4"	
Traveling Screen			
* 5"	* 3"	* 4"	
* 5"	* 4"	* 4"	
* 5"	* 3"	* 4"	
* 2"	* 0"	* 2"	
* 1"	* 1"	* 2"	
	Valve	* 2"	

There is a spill on the floor.
2 1/2" wide x 2 1/2" wide x 3/4" deep
(no greater than these dimensions)

* Record depth of sediment/silt accumulation.