Progress Energy

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REFERENCE
USE

HARRIS NUCLEAR PLANT

Bay 8 Main
5/20/2008
WO 1026382

PLANT OPERATING MANUAL

VOLUME 6

PART 9

PROCEDURE TYPE: ENGINEERING PERIODIC TEST

NUMBER: **EPT-168**

TITLE: **EMERGENCY SERVICE WATER INTAKE AND SCREENING STRUCTURES INSPECTION**

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

Attachment 1 - General Comment Sheet and Inspection Checklist
Sheet 1 of 2

A. General Information

Bay Description: Bay 8 Main Reservoir 'A' ESW

WO No.: 10026382 Tag No. 1SC-E015 (Traveling Screen)

Inspected By (Print Name): Dan Maley

Date of Inspection: 5/20/2008

B. Inspection Checklist — Initials

1. Was inspection recorded on film? ____ (Y/N) Y — DM

Type of film used. X Video ____ 35mm ____ Polaroid

NOTE: If inspection is recorded on film, the following should be included:
a. Overall shots to show condition of bay being examined.
b. Leader photo that includes the date and bay number.
c. Photos taken in "as found" condition.
d. Photos taken after fouling has been removed to show as left condition of bay.

2. Is sediment present in the bay? Y (Y/N) — DM
(Document quantity and location on Attachment 2 or 3)

3. Are clams present in the bay? Y (Y/N)

(If yes, estimate quantity: X 1-100, ____ 100-500,

____ 500-1000, ____ 1000-5000, ____ >5000) — DM

4. Bay needs cleaning? Y (Y/N) — DM

5. Bay has been cleaned? Y (Y/N) — DM

6. Bay equipment in satisfactory condition? Y (Y/N) — DM

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

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

7. Any needed repairs are completed? (Y/N/NA) N/A DM

8. Document any identified adverse condition. A/R N/A DM

C. Comments/Observations:

Silt depths throughout the bay are documented in Attachment 3. Inspection was performed by video with Eason Diving. Silting in general was low and well within acceptance criteria. Corrosion products were present in fair amounts near the travelling screen, primarily on the upstream side. No evidence of biological fouling including slime or gelatinous bryzoa was found. Diver reported that silt was very loose and was easily cleaned by pumping out. Fine screen slots between pump and T.S. had square edges and were in good condition, as well as the rest of the concrete bay walls. 'A' ESW pump column had corrosion nodules, minor pitting, and intermittent, localized coatings loss. All flange bolting and seismic supports were in good condition. Overall pump and bay were satisfactory. Screen baskets require replacement as previously identified due to long term corrosion degradation. Ref WO522902 planned for fall 08 implementation.

Completed By: Dennis J Maley Date: 5/22/2008
Signature

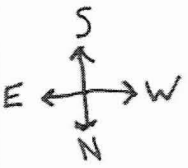
Reviewed By 89-13
Program Manager: Dennis J Maley Date: 7/24/08
Signature

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

Attachment 3 - Intake Structure Inspection Form
Sheet 1 of 2

Screening Structure Bay No.: Bay 8 Main Reservoir 'A' ESW

Inspected By (Print Name): Eason Diving / Dan Maley Date: 9/20/08



Trash Racks		
*1.5"	*2"	*1.5"
*0.75"	*0.5"	*0.25"
*2.25"	*2.75"	3.25"
Traveling Screen		
*<0.25"	*0"	*0.25"
*0.75"	*0"	*0"
Valve		
*0"	*0"	*0"
*0"	*0"	*0"
*0"	0"* **ESW Pump**	*0"

* Record depth of sediment/silt accumulation.