

~~PROPRIETARY INFORMATION~~

• Attachment A

insp0050-July 04.doc

**IAEA Activities at the BWXT Down Blending Facility
July 5, 2004 – July 16, 2004**

Inspectors from the International Atomic Energy Agency (IAEA) will be at the BWX Technologies (BWXT) Down Blending Facility July 5, 2004 – July 16, 2004 to perform the interim inventory verification (IIV) and inspection and scheduled IAEA equipment maintenance activities. The inspectors visiting BWXT for the inspection are Gabriel Bernasconi, Govindaraj Rengarajan, Josef Mayer, Jaromir Vones and Neville Whiting.

Training Information

All of the Inspectors (with the exception of Gabriel Bernasconi) will have to review the Security Awareness training data due to a revision update identifying the new ACF building. There will be two NRC representatives from Washington present during this inspection that are Brian Horn

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6/22

Administrative Review

D. S. Rowland 7-1-04
Name Date

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Follow up items from last inspection

- **State-of-Health Lights:** During routine checking of the state-of-health lights on IAEA equipment since the May inspection, all lights continued to be green indicating IAEA equipment is working properly. *Spare IAEA light bulbs were placed on top of the SBFM cabinet during the March inspection to be used in cases if there is a failure of the state-of-health lights.*
- **Solution Samples to be Pulled:** The inspectors stated they would like to have BWXT pull solution samples for calibration purposes during the BWXT shutdown/IAEA equipment upgrade and July inspection period. (b)(4)
(b)(4) *Details will be discussed during the June inspection.*
- **IAEA Equipment Upgrades to UEM and SBFM cabinets:** BWXT has received an IAEA "Work Plan" for the IAEA equipment upgrades to the UEM and SBFM during the BWXT shutdown/IAEA equipment upgrade and July inspection period. There will be upgrades and equipment replacement in the UEM field cabinet with changes made to the UEM computers and an power supply for all the MCA's being installed. (b)(4)
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(b)(4) *See the attachment titled "Work Plan – UZOO activities – July 2004" for details and for a listing of IAEA equipment being brought see attachment titled "UZOO activities – July 2004".*
- **BWXT Shutdown Activities:** With the planned IAEA upgrades and equipment replacement in the UEM cabinet, BWXT shutdown maintenance activities are being defined so a plan can be made to accommodate both the IAEA maintenance activities and BWXT maintenance activities. *The BWXT planned maintenance activities that may be completed during plant shutdown that may affect the IAEA equipment maintenance activities are on the attachment titled "BWXT Plant Shut Down Work 2004".*
- **BWXT declaration revised:** During the preparation of the May monthly report (b)(4)
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(b)(4) *This is one of the declaration disks that will be handed over during this months inspection.*

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Follow up items since last inspection

- **State-of-Health Lights:** During routine checking of the state-of-health lights on IAEA equipment since the June inspection, all lights continued to be green indicating IAEA equipment is working properly. *Spare IAEA light bulbs were placed on top of the SBFM cabinet during the March inspection to be used in cases if there is a failure of the state-of-health lights.*

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- **IAEA Equipment Upgrades to UEM and SBFM cabinets:** BWXT has received an IAEA "Work Plan" for the IAEA equipment upgrades to the UEM and SBFM during the BWXT shutdown/IAEA equipment upgrade and July inspection period. (b)(4)

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See the attachment titled "Work Plan - UZOO activities - July 2004" for details and for a listing of IAEA equipment being brought see attachment titled "UZOO activities - July 2004".

- **BWXT Shutdown Activities:** With the planned IAEA upgrades and equipment replacement in the UEM cabinet, BWXT shutdown maintenance activities are being defined so a plan can be made to accommodate both the IAEA maintenance activities and BWXT maintenance activities. *The BWXT planned maintenance activities that may be completed during plant shutdown that may affect the IAEA equipment maintenance activities are on the attachment titled "BWXT Plant Shut Down Work 2004"* (b)(4)

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These changes to the DIQ will be handed over to the Inspectors during this month's inspection.

- **BWXT/IAEA Management Meeting:** A meeting has been scheduled for Monday July 12 1:30 in the ACF main conference room for a recap of the IAEA equipment maintenance updates and discussions between BWXT management and IAEA representatives.

WORK PLAN

UZOO activities – July 2004

Participants :

- Mr. Josef Mayer, Technician
- Mr. Rengarajan, Engineer
- Mr. Bernasconi, Inspector

Following operations will be performed during the facility shut down period for maintenance

5 July (Enter facility in the morning - Work in IAEA office, afternoon)

Mon

Servicing the systems – UEM & SBFM (main cabinets)

Shut down the UEM system & PCS.

Remove PIP computers – take them to the inspectors' office.

Collect the data and error logs in the IAEA office.

6 July (Work in IAEA office)

Tue

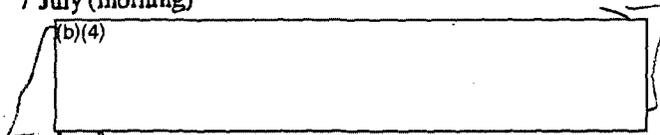
Create disk backup images for all 4 PIP computer disks.

PIP computer disk replacement with 2 GB disks.

Recover the back up images on to the new disks.

7 July (morning)

wed



*

End

Shut down the SBFM system

Create SBFM PC hard disk image back up.

Assess the 5-year-old SBFM PC condition and plan for replacement.

Start the SBFM system active.

8 July

Thu

Install the upgraded PIP PCs in the UEM field cabinet.

Install updated WD timer and test

Replace the older MCA with new ones.

9 July

Install common power supply for all MCA in the UEM field cabinet.

* Pull steel wire

Install deep-discharge preventive system.

Install RTC card on UEM collect computer.

10 July

Install Inspector interface software (IIS).

Start the UEM & SBFM systems

Test the UEM system

11 July (Sunday)

Tasks with facility running

Test the UEM system (continuation if necessary).

12 July

Test the IIS software.

Check flow meter state of health

Check the flow meter controller.

Inspect & assess the Flow meter cable quality

Make calibration measurements and sampling

(Details to be discussed during June inspection)

13 July

Test the SBFM system.

Test the UEM system

Make calibration measurements and sampling (continuation)

Train the technician on the system

14 July

Inventory & documentation

Continuation of the training.

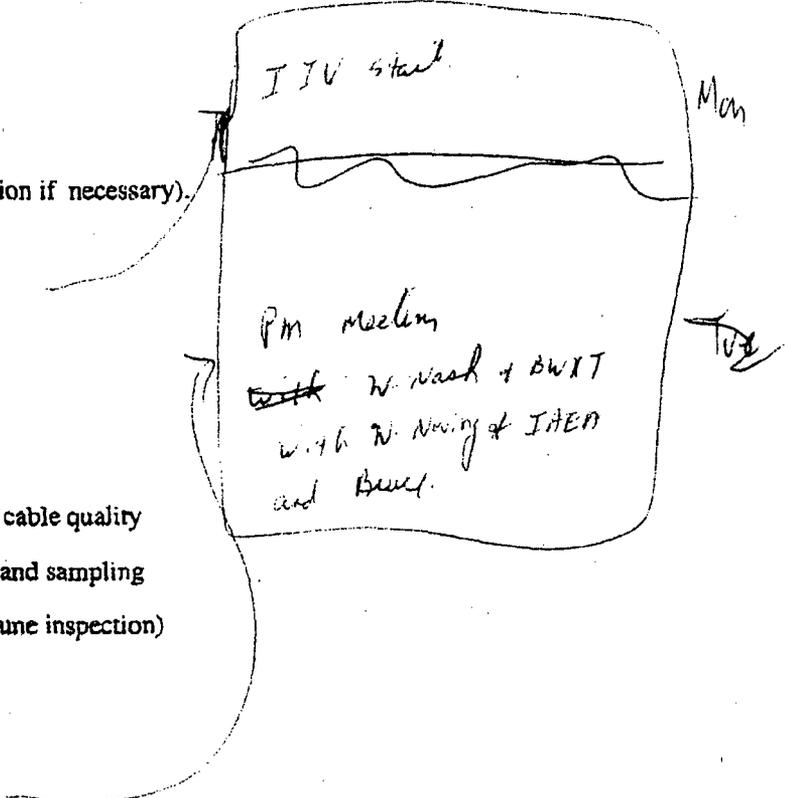
15 July

RP Check and shipping of the tools and old equipment

Fr

Sat

Sun



Monitor the system while the facility operates.

16 July

Buffer day

UZOO activities – July 2004

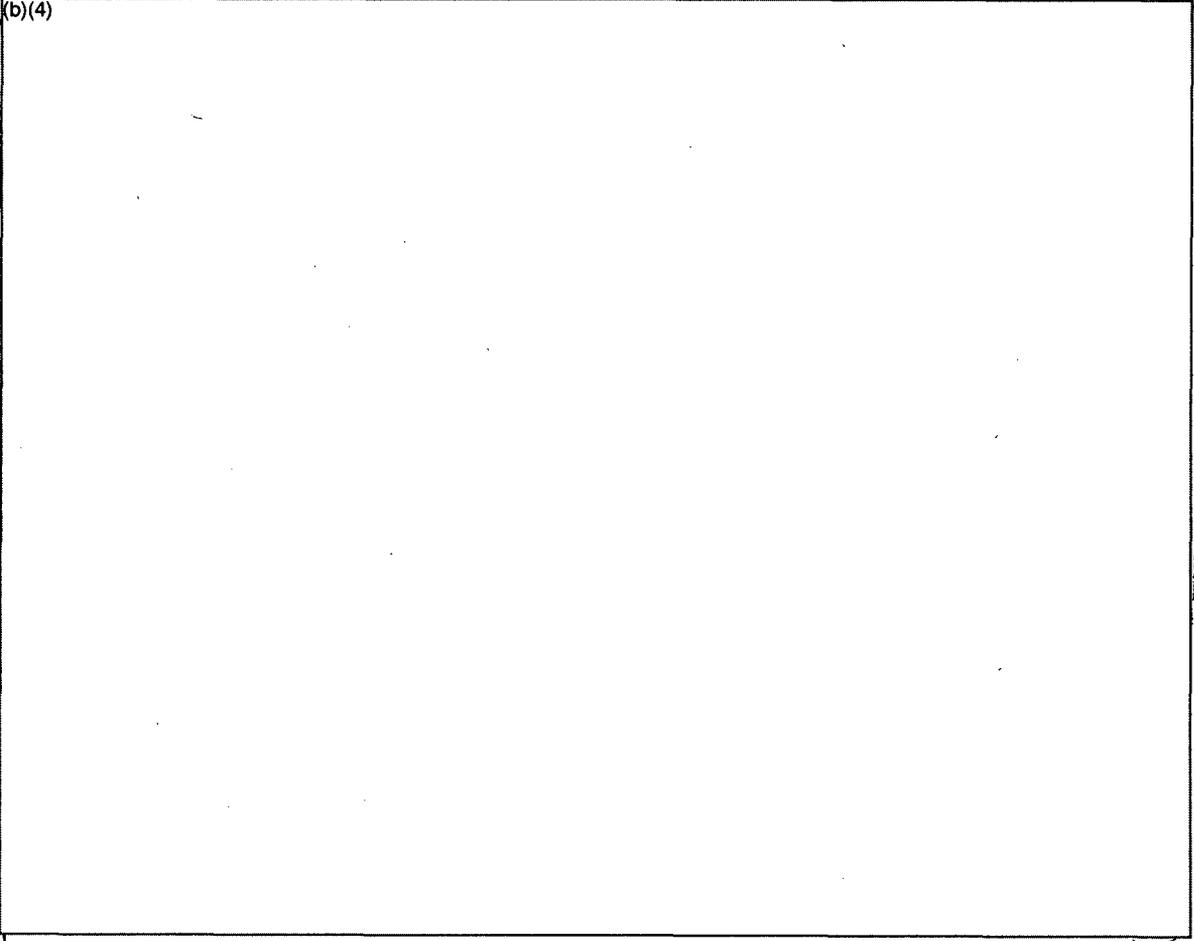
Hand carried items:

- Mini Multi Channel Analyzer Qty 2
- 2Gb Flash drives Qty 5
- PIP 5 computers Qty 3
- Battery Charging module Qty 1
- MCA power supply Qty 2
- Watchdog timer module Qty 4
- Spare RAID drives Qty 2
- External SCSI DVD writer
- Blank DVDs and DVD-RAMs
- Software
- FLASH cards
- Tool box

BWXT PLANT SHUT DOWN WORK 2004

POSSIBLY EFFECTING THE DOWNBLEND AREA IAEA EQUIPMENT
MAINTENANCE:

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