

BWX Technologies, Inc.*a McDermott company***Fax Cover Sheet**

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SUBJECT: IAEA INSPECTION SUMMARY - JULY 2000

Gentlemen -

Attached is the subject report. If you have any questions, please contact me at (804) 525-1716.

Thank you,

Don Cutchins

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IAEA Activities at the BWXT Down Blending Facility July 24-26, 2000

Inspectors from the International Atomic Energy Agency (IAEA) were at the BWX Technologies (BWXT) Down Blending Facility July 24-26, 2000 to perform the monthly interim inventory verification (IIV) and inspection. All of the items planned for the inspection were accomplished. A detailed summary of activities along with issues encountered follows.

A. General IAEA Inspector Information

1. Ms. Maha Mahmoud received radiological and safety training. The remaining Agency inspectors had previously received training. No further training was necessary.
2. All inspectors donned coveralls, high top shoe covers, head covers, cotton gloves, long wrist gloves, surgeon gloves, and breathing zone monitor for each entry into the facility. Mr. Ikonomou did not enter the facility.
3. IAEA Inspectors that participated are shown in the table below along with their role, the periods they were present, and their training expiration date. The inspectors were on site for an average of 8 hour days.
4. Mr. Ikonomou stated that Mr. Tanaka would not be attending as originally scheduled.

Inspector	Role	Arrival	Departure	Training Expiration
P. Ikonomou	Unit Head	7/24/00	7/26/00	11/28/00
R. Hajdusek	UZOO Team, Alt. Facility Officer	7/24/00	7/26/00	12/01/00
M. Mahmoud	UZOO Team	7/24/00	7/26/00	07/24/01

B. Inspection Activities

1. An opening meeting was conducted Monday, July 24, 2000. Present were representatives from BWXT, and the IAEA (b)(4)

(b)(4)

Administrative Review

[Signature]
Name:

8-10-2000
Date

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2. Mr. Ikononou stated work is progressing on final testing of the remainder of their monitoring equipment. The current plan is to install this equipment during the August inspection. Mr. Tanaka would probably do the installation rather than a IAEA contractor employee. He also stated that the IAEA may be replacing the Toshiba notebook computers in the enrichment monitors with industrial quality ones at the same time. (b)(4)

(b)(4)

Ex 4

3 (b)(4)

Ex 4

Ex 4

4

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Ex 4

6. The IAEA serviced its enrichment monitors the afternoon of Monday, July 24, 2000. The process took about four hours to complete. (b)(4)

(b)(4)

Ex 4

7. The IAEA inspectors attempted to review the enrichment monitor data retrieved on Monday. Difficulties operating the program prevented them from performing this analysis.
8. BWXT stated that was completing its measurement of duplicate samples to those taken by the IAEA in June. BWXT indicated a willingness to share this information with the IAEA.

9. BWXT noted that the IAEA samples had been shipped to the IAEA July 13, 2000 and apologized for the delay.

10. Totalizer information:

• (b)(4)

[Redacted]

Ex 4

(b)(4)

[Redacted]

Ex 4

Ex 4

12 (b)(4)

A revised concentration calculation was developed and significantly improved material balance results.

Ex 4

13 (b)(4)

[Redacted]

Ex 4

(b)(4)

New variances will be established and bias adjustments will be re-evaluated. The results are expected near the end of August. This is part of a continuing effort to improve the accuracy of declarations while still using existing in process equipment and

process monitoring techniques. The IAEA stated that this was a good thing to do at this time. It should help resolve some questions they were developing on our calculations and possible biases.

14. BWXT provided the IAEA with estimated cable lengths needed to install the remainder of their equipment in July. The IAEA was also provided with some transfer flow rates they requested with additional information to follow.

15. (b)(4)

16. The IAEA confirmed that the declaration data for June had been received in Vienna.

17. BWXT presented the following documents to the IAEA. All documents were classified and provided for on site review only, unless otherwise noted.

- A summary of daily totalizer readings from July 11, 2000 to July 24, 2000. The reports also compared declared transfers and other operator recorded data to the totalizer readings. The IAEA was allowed to keep this unclassified document.

- (b)(4) These photographs, though not classified, were for visual reference only and will remain on site for future reference.

- (b)(4)
(b)(4) The IAEA was allowed to keep this unclassified document.

- General ledger showing monthly transactions for June 2000.
- Transfer forms for data recorded in the general ledger and declarations.
- Daily declarations for June 2000 and for July 11-24, 2000. This report was sorted several ways to provide summary data the IAEA could use in their reports. The facility was shutdown from June 29 through July 9, 2000. Transfers did not resume until July 13, 2000.
- List of probable cable lengths for the installation of the remainder of the IAEA equipment. The IAEA was allowed to keep this unclassified document.

18. A closeout was conducted on the afternoon of Wednesday, July 26, 2000, two days in advance of the scheduled completion date. No other information was presented other than that mentioned above. Overall the IAEA seemed pleased with the inspection.