

BWX Technologies, Inc.

a McDermott company

Fax Cover Sheet

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Number of Pages including this Page:	8	

Dear Sirs:

**Attached is the report from the Agency's August inspection at
BWV Technologies.**

**If I can be of any further assistance please feel free to let
me know. Thanks!**

Amy McCormack

**Amy McCormack
BWV Technologies, Inc.
(804) 522-5564**

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IAEA Activities at the BWXT Down Blending Facility
August 28, 2000 – September 1, 2000

Inspectors from the International Atomic Energy Agency (IAEA) were at the BWX Technologies (BWXT) Down Blending Facility August 28, 2000 – September 1, 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. Mr. O. Seo 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.
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.

Inspector	Role	Arrival	Departure	Training Expiration
J. Xiao	UZOO Team, Facility Officer	8/28/00	9/01/00	11/21/00
J. Tanaka	UZOO Team, Technician	8/28/00	9/01/00	11/07/00
O. Seo	UZOO Team	8/28/00	9/01/00	8/28/01

B. Inspection Activities

1. An opening meeting was conducted Monday, August 28, 2000. Present were representatives from BWXT, NRC, and the IAEA. (b)(4)

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Administrative Review

[Signature]
Name:

9-29-2000
Date

2. Mr. Xiao stated final modifications to their Solution Blend Flow Monitor (SBFM) has been authorized and should be completed before the end of September. The current plan is to install this equipment during the week of October 23, 2000. It will be necessary for the Austrian Panametrics representative to perform the installation. BWXT requested that the IAEA forward some additional personal information on the representative in order to complete the necessary visit request. This information had been previously requested of the Agency. BWXT also requested that the IAEA provide a shipping list and a scheduled arrival date as soon as possible. (b)(4)

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The system will be shipped on a component basis and will be assembled for the first time in the facility. The IAEA will supply any fiber optic lines necessary. BWXT agreed to provide basic wiring support and conduits.

3. Don Cutchins, BWXT briefed the IAEA on the status of the facility and provided the IAEA with a written summary of the talking points. A copy is attached of this unclassified document.

4. (b)(4)

5. The IAEA would like to conduct the Physical Inventory Verification (PIV) during January 2001. This would give the Agency time to install the SBFM and gain some operational experience. The Agency would then transition from an experimental period to a more rigorous safeguards program. (b)(4)

(b)(4)

6. IAEA inspectors entered the facility and down loaded data from their enrichment monitors. They also modified the software to write data to flashcards and the hard disk. This should substantially reduce Agency time in the facility to just a card swap and system checks.

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11. Don Cutchins discussed the performance of the totalizers. In general, both BWXT and IAEA sets of instruments units are performing very well (b)(4)

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The inspectors were pleased with the results. They did express some concern with the occasional run-on counting but noted that it was intermittent and did not have a major impact on the overall values.

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13. BWXT discussed the power supply and instrument needs of the Rosemount pressure transducers so that the Agency could make provisions for the instruments in their equipment enclosures.

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15. The inspectors reviewed hard copy version of material transfers made during the current and previous month, the general ledger, and transfer reports. The IAEA was also provided with the latest version of the variances for the measurement instruments used by BWXT in the safeguarded facility.

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

- A summary facility status report. The IAEA was allowed to keep this unclassified document.
- A summary of daily totalizer readings from July 11, 2000 to August 28, 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.
- General ledger showing monthly transactions for July 2000.
- Transfer forms for data recorded in the general ledger and declarations.
- Daily declarations for July 2000 and for August 1-28, 2000. This report was sorted several ways to provide summary data the IAEA could use in their reports.
- List of the BWXT measurement instrumentation for the UZOO facility used for declarations and their measurement random and systematic variances.

17. A closeout was conducted Friday, September 1, 2000. Other than information already presented, the IAEA inspectors noted that the next inspection would be September 18-23, 2000. The inspectors also stated that they need an updated DIQ as soon as possible. BWXT stated that they would try to have one published and to the Agency by the PIV. The inspectors also noted that the Agency is expecting a resolution to the data handling issue in the near future. Overall the IAEA seemed very pleased with the inspection results.

Attachment
UZOO Talking Points
IAEA Inspection 8/28/00-9/1/00

1. Facility Safety Training for Mr. Seo

Mr. Seo is required to have facility safety training before entering the facility during this inspection. The training for the other IAEA inspectors will be expiring beginning in November. The inspectors may wish to consider using this opportunity to renew their training for another 12 months.

2. Facility Status and Planning

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- The semiannual inventory for UZOO will be conducted on or about September 28. This will mark the end of the current material balance period. A concise note has been sent to the IAEA through NMMSS.

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[Redacted content]

3. Relocation of the IAEA Re-feed Totalizer

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[Redacted content]

4. Design Verification

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5. Flow Totalizers

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6. Corrections to declared data

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7. Security Gates

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8. Trailer Doors

BWXT will be modifying the doors to the IAEA trailer to improve building security.

9. Blend Tank 2 Radar Probe

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10. Instrument and Bias Calculation Review

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11. DIQ Update

It was intended that the DIQ update be held until final installation of IAEA equipment. However, facility modifications and changes in selected measurement instruments are increasing the need to make these changes in the near future. An attempt will be made to have these changes made and submitted to the IAEA before the PIV.