

**IAEA Activities at the BWXT Down Blending Facility  
January 15, 2001 – January 19, 2001**

Inspectors from the International Atomic Energy Agency (IAEA) were at the BWX Technologies (BWXT) Down Blending Facility January 15, 2001 – January 19, 2001 to perform the monthly interim inventory verification (IIV) and inspection and to complete the calibration of Agency instrumentation installed during last visit as well as this visit. All of the items planned for the inspection were accomplished with the exception of the sampling and analysis of Blend tank 1 and 2. A detailed summary of activities along with issues encountered follows.

**A. General IAEA Inspector Information**

1. Mr. Rastislav Hajdusek and Mr. Robert Thiele had previously received radiological and safety training during last visit. Both Agency inspectors reviewed Security Awareness training data during this visit. 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 10 hour days.

Inspector	Role	Arrival	Departure	Training Expiration
R. Hajdusek	UZOO Team, Facility Officer	1/15/01	1/19/01	12/04/01
R. Thiele	UZOO Team Technician	1/15/01	1/19/01	12/04/01

**B. Inspection Activities**

1. An opening meeting was conducted Monday, January 15, 2001. Present were representatives from BWXT, NRC, and the IAEA. (b)(4)

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- Install the BWXT fabricated platform/enclosure on BT 1 and enclosure on BT2.

1. (b)(4)

Ex 4

2. (b)(4)

3. Chris Patterson, 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)

Ex 4

5. IAEA inspectors entered the facility and down loaded data from their enrichment monitors.

6. (b)(4)

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7. During the inspection, the inspectors requested BWXT to fabricate and install a shelf and brace next to Tank 1 to be used by the Agency to support a detector to collect data. BWXT Operations personnel made and installed this during this inspection. (b)(4)

(b)(4) (b)(4)  
(b)(4) The data collected will be evaluated during the next inspection to determine if this will be permanent or if it will be removed. Upon completion of the enclosure, an IAEA seal was then applied to the enclosure.

Ex 4

8. The inspectors reviewed hard copy version of material transfers made during the current and previous month, the general ledger, and transfer reports. (b)(4)

(b)(4) The effected batches were corrected upon checking data entries.

Ex 4

9. (b)(4)

Ex 4

10. (b)(4) BWXT was able to provide a disk that was previously checked and kept in our cabinet in the IAEA trailer, to be used by the IAEA to download their data from the Internet via from Vienna.

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(b)(4) This activity will occur during the rebruary inspection.

14. BWXT provided Brian Horn (NRC) with a copy of our most recent revision of the DIQ. Some of the attachments were not yet revised, but will be forwarded upon being revised. The Inspectors noted that data points would be provided to BWXT by the Agency within the next two to three weeks.

15. BWXT presented the following documents to the IAEA. All documents were provided for the IAEA.

- A summary facility status report. The IAEA was allowed to keep this unclassified document.
- Monthly summaries for data recorded in the general ledger and declarations.
- Daily declarations for December 5-31, 2000, and for January 1-15, 2001 (b)(4) (b)(4) Corrections were made to the declaration disk (Dec.) while the Agency was here.
- A data conversion listing of volume in liters vs centimeter readings for BT 1 and 2 (attached).
- The new format of the IAEA automated report (attached).
- Blend batch data for BT 1 and 2 for Rosemount calibration purposes (attached).
- Year 2001 BWXT holiday and vacation schedule (attached).
- Memo of data required for IAEA contractor personnel wishing to come into the facility in the future (attached).

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• (b)(4) This included operations corrective actions and Amy McCormacks' corrective actions for the data sheets (attached). Ex 4

- The invoice for the Seimans component that was received from Control Corporation of America.

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18. BWXT has added wording to the DIQ to document a requirement for the Facility to formally notify the Agency of a Facility Physical Inventory. This notification should be performed at least 30 days in advance so as to provide the Agency with enough time to make arrangements for their next inspection to be performed at the same time as the Facility inventory

19. The IAEA would like to perform the next monthly interim inventory verification (IIV) and inspection during the week of February 12 – 16, 2001.

20. A closeout was conducted Friday, January 19, 2001. The IAEA has completed all of the necessary data reviews with no issues. Other than information already presented, the IAEA inspectors noted that the next inspection would be the third week of February, 2001. Overall the IAEA seemed very pleased with the inspection results and the success of equipment installation. Mr. Hajdusek complimented BWXT for their help involving the installation of the additional enrichment monitor and stand. (b)(4) Ex 4

(b)(4) Following is a listing of persons attending the closeout: Rastislav Hajdusek and Robert Thiele (IAEA Inspectors), Brian Horn and Charlie Hughey (NRC), Scott Nagley (Operations Manager), Preston Foster (NMC Shipping) and Mike Suwala, Joe Stainback, Amy McCormack and Chris Patterson (NMC).

21. The following follow up items were also discussed in the closeout meeting conducted Friday, January 19, 2001:

- BWXT will continue with investigating the future use of the shipping container in the IAEA trailer to be used for samples pulled during inspections to be sent to the IAEA in Vienna. Preston Foster will communicate with Mr. A. Hamos on this issue.

(b)(4) Ex 4

- BWXT should submit the Facility Attachment by early summer.
- BWXT has corrected Declaration data to the Dec. disk and mailed to the IAEA on Monday Jan. 22<sup>nd</sup> along with the Jan. disk.

(b)(4)



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- BWXT to pursue the replacement of the existing copy machine in the trailer due to not being reliable.
- BWXT to purchase more chairs and a floor mat for the trailer.

**Attachment**  
**IAEA Activities at the BWXT Down Blending Facility**  
**January 15, 2001 – January 19, 2001**

Inspectors from the International Atomic Energy Agency (IAEA) will be at the BWX Technologies (BWXT) Down Blending Facility Jan. 15, 2001 – Jan. 19, 2001 to perform the monthly interim inventory verification (IIV) and inspection and to complete the calibration of Agency instrumentation installed during last visit.

**Training Information**

Mr. Ratislav Hajdusek and Mr. Robert Thiele have recently completed the required radiological and safety training that is required annually as well as receiving the Security Awareness training. No further training will be necessary.

**Follow up items from last inspection**

- BWXT shipped the two samples pulled during last inspection to the IAEA in Vienna on Dec. 17<sup>th</sup> and faxed the IAEA shipment form (Att. A. Hamos) on the 18<sup>th</sup>.
- BWXT also faxed the invoice for the Seimans component that was received from Control Corporation of America to R. Hajdusek on the 18<sup>th</sup> of Dec..

(b)(4)

- BWXT will continue with the approval of the shipping container in the IAEA trailer as soon as the Agency supplies BWXT with the applicable certificates. More info. Required (AL Thompson & Preston Foster).
- BWXT will add wording to the DIQ to document a requirement for the Facility to formally notify the Agency of a Facility Physical Inventory. This notification should be performed at least 30 days in advance so as to provide the Agency with enough time to make arrangements for their next inspection to be performed at the same time as the Facility inventory.
- BWXT will submit the DIQ by Feb. 01,2001.
- BWXT should submit the Facility Attachment by early summer.

(b)(4)

- BWXT will provide the IAEA the format of the new data from the automated system.
- BWXT has corrected Declaration data to the Oct., Nov. and Dec. disks and submitted to the IAEA.

**Follow up items since last inspection**

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- Enclosures will also be fabricated for the detectors on blend tanks 1 and 2.
- As requested by IAEA, BWXT has collected transfer data from blend tanks 1 and 2 to be used by the Agency to calibrate the Rosemont BWXT during this inspection.

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- Work is continuing on the IAEA Inspection Procedures at UZOO "Draft".

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filled Mon. night).

(Supervisor will have cont.

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