

IAEA Activities at the BWXT Down Blending Facility March 19, 2001 – March 23, 2001

Inspectors from the International Atomic Energy Agency (IAEA) were at the BWX Technologies (BWXT) Down Blending Facility March 19, 2001 – March 23, 2001 to perform the monthly interim inventory verification (IIV) and inspection. Also planned for this inspection is the installation of an IAEA Libretto palm top computer to the NU station. 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. Rastislav Hajdusek and Ms. Maha Mahmoud have completed the required radiological and safety training that is required annually, (Dec. 4th 2000 and July 24th 2000). Both reviewed the Security Awareness training (rev. 3). Also not requiring this training was Cameron Coates with the DOE. Ms. Sonia Valeria Goncalves was required to receive radiological and safety training as well as Security Awareness 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 10 hour days.

Inspector	Role	Arrival	Departure	Training Expiration
R. Hajdusek	UZOO Team, Facility Officer	3/19/01	3/23/01	12/04/01
M. Mahmoud	UZOO Team Technician	3/19/01	3/23/01	07/24/01
S. Goncalves	UZOO Team Technician	3/19/01	3/23/01	03/20/02

B. Inspection Activities

1. An opening meeting was conducted Monday, March 19, 2001. Present were representatives from BWXT, DOE and the IAEA^{(b)(4)} be as follows:

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2. [Redacted]

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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. After the Monday morning briefing, the IAEA inspectors entered the facility and downloaded data from their enrichment monitors. (b)(4)

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5. During the afternoon of Monday the 19th, at the NU EMS, the inspectors installed the Libretto computer. Upon completion, an IAEA seal was then applied to the enclosure.

6. On Tuesday the 20th, RWT and Safety training was given to Inspector Sonia Goncalves. All inspectors reviewed the latest revision of BWXT's Security Awareness training.

7. Also on Tuesday, the inspectors reviewed daily declaration data from Feb. 19th to March 19th as well as a sample of the "automated declaration data".

8. On Wednesday the 21st, the inspectors reviewed hard copy version of material transfers made during the current and previous month, the general ledger, and transfer reports. The inspectors also reviewed daily declaration data from Feb. 19th to March 19th.

9. Also on Wednesday, the inspectors entered the facility to check on the computer at the Blend tank two station. Everything checked out OK. The enclosure was then sealed by the IAEA.

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11. After corrections, the three daily declaration disks were mailed (Fed Ex) to State Department on Thursday. They arrived on Friday but Bob Newman didn't receive them until Monday.

12. 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 February 19-28, 2000, March 1-19 and for automated declaration data. The three disks were mailed (FedEx) to State Dept. on Thursday 22nd and received at State Dept. on Friday 23rd.
- The air condition information for air conditioner that will be purchased for the Agency cabinet upon formal approval of the IAEA.

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15. The IAEA would like to perform the next monthly interim inventory verification (IIV) and inspection during the week of April 23 – 27, 2001.

16. A closeout was conducted Thursday, March 22, 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 fourth week of April, 2001. Overall the IAEA seemed very pleased with the inspection results and the success of equipment installation. Mr. Hajdusek complimented BWXT for the the installation of the brace connected to the new stand on blend tank one. Following is a listing of persons attending the closeout: Rastislav Hajdusek, Maha Mahmound, and Sonia Valeria Goncalves (IAEA Inspectors), Cameron Coates (DOE), and Mike Suwala, Joe Stainback, Amy McCormack and Chris Patterson (NMC).

17. The following follow up items were also discussed in the closeout meeting conducted Thursday, March 22, 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.

- BWXT should submit the DIQ by the end of April and then the Facility Attachment will follow by early summer.

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- The scheduled maintenance (welding of BT-1 and BT-2 piping) to start on June 22nd, was identified to the Inspectors for possible coordination of the monthly inspection for that month. BWXT will forward to the Agency a diagram of this work by the end of April. The coordination of this work with a Panometrics technician may also be needed.
- BWXT is awaiting replacement parts and maintenance of the existing copy machine in the trailer due to not being reliable.
- BWXT automated system was identified as being completed and running by April 2nd.
- The air conditioner will be purchased for the Agency cabinet upon formal approval of the IAEA.
- Future cabinet for data retrieval was discussed and agreed it will replace existing storage cabinet.

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