

BWX Technologies, Inc.

a McDermott company

Fax Cover Sheet

To:	Brian Horn Bruce Moran	Date: 5/02/2000
	NRC	<i>This Document Contains Information Proprietary To BWX Technologies</i>
Phone:	301-415-8128/7871	
FAX:	301 415-5390	
From:	Don Cutchins	
Phone:	1-804-522-5949	
FAX:	1-804-522-6847	
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SUBJECT: REVISED MARCH 2000 INSPECTION SUMMARY

Gentlemen -

Attached, please find the revised March 2000 IAEA inspection summary. If you have any questions or comments, please give me a call at (804) 522-5949.

Thank you,

Don Cutchins

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~~**BWXT Proprietary Information**~~

**IAEA Activities at the BWXT Down Blending Facility
March 17-24, 2000**

Inspectors from the International Atomic Energy Agency (IAEA) were at the BWX Technologies (BWXT) Down Blending Facility March 17-24, 2000 to perform the monthly interim inventory verification (IIV), inspection, and observe the operator physical inventory taking (PIT). All of the items planned for the inspection were accomplished with the exception of the IAEA evaluating data collected from its enrichment monitors. A detailed summary of activities along with issues encountered follows.

A. General IAEA Inspector Information

1. Two of the four Agency personnel present for the inspection received facility specific training upon their arrival. The remainder had been previously trained. Total training time was approximately 4 hours per person and consisted of General Employee Safety Training and Radiation Worker Training. Beryllium Hazards Training is no longer required. All training is effective for one year.
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. The IAEA was not present on the weekend.

Inspector	Role	Arrival	Departure	Training Expiration
J. Xiao	UZOO Team, Project Lead	3/17/00	3/23/00	11/21/00
V. Fotin	UZOO Team, Facility Officer	3/17/00	3/24/00	11/21/00
A. Osien	UZOO Team	3/20/00	3/23/00	03/20/01
E. Kuhn	Statistical Analysis and Sampling	3/20/00	3/23/00	03/20/01

B. Inspection Activities

1. An opening meeting was conducted Friday, March 17, 2000. Present were representatives from BWXT, the IAEA, and the U. S. Nuclear Regulatory Commission (NRC) (b)(4)

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Administrative Review
D. S. Rawls 5-2-00
 Signature Date

~~*BWXT Proprietary Information*~~

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5. The IAEA also mentioned that they had not been receiving inventory change reports (ICRs). This situation was also investigated and determined to be related to late submission by the U.S. while potential reporting problems were resolved, personnel travel, and the allowable timing on generating the reports. The IAEA was allowed to review draft ICR information on-site so they would be prepared as to what they would receive.
6. BWXT mentioned that it had not received the PCMCLA cards for the IAEA desktop computer as promised and requested that the IAEA assist in locating other sources. The IAEA provided information on another card that worked through the universal serial bus. BWXT opted not to purchase that one because of concerns that the transfer rate would be too slow. Instead they ordered a different card found using the IAEA reference.

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9. The Agency inspectors presented BWXT with a number of requests to format and present data to them in a specific manner. BWXT had already spent time formatting data for the March inspection to match that requested in February by a different set of inspectors. The new request affected how BWXT ledgers, declaration summaries, and totalizer reports were to be formatted. BWXT said that it would take the suggestions on the general ledgers under consideration as time allowed and requested that the Agency settle on a specific format for the other data that would be acceptable to all of its inspectors.

10. E. Kuhn, IAEA, discussed the IAEA sampling needs. The IAEA has determined that it will need a sample of material from the feed and product streams in order to check the calibration of their enrichment monitors. The Agency would need 5 ml samples of an identified HEU, blendstock, and product batch. The liquid samples would be shipped to the IAEA laboratory in Seibersdorf for analysis for concentration and enrichment. Sampling would only be requested two to three times a year. The IAEA stated it would supply sample vials, the inner container for the vials, and instructions for filling them.

BWXT agreed to the sample providing certain issues can be worked out. The principal issue is whether BWXT can ship liquid samples. BWXT stated that shipment would not be a problem and that the capability to draw each of these samples from their source currently exists. The second issue is the location of the sampling station. The IAEA safeguarded UZOO facility only encompasses the blend tanks and associated piping. (b)(4)

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11. The IAEA also mentioned the need for a balance with an accuracy to the milligram level. BWXT recommended that the Agency supply the balance.

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BWXT agreed to continue monitoring the totalizers through the next inspection.

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17. BWXT had purchased 21 flashcards for the IAEA to use in UZOO at the request of the inspectors in February. These were the same type as recently purchased by the IAEA. The purchase was made prior to a letter from the IAEA to do so. After explaining to the IAEA that the purchase had been made, the IAEA agreed to write a letter authorizing the purchase.
18. BWXT provided the following information for the IAEA to review during the inspection. The documents were classified and provided for on-site review only, unless otherwise noted:
- A summary of daily totalizer readings from December 1999 to March 17, 2000. This was updated to include readings through March 24, 2000. This report also compared declared transfers and other operator recorded data compares to the totalizer readings. The IAEA was allowed to keep this unclassified document.
 - General ledger showing monthly transactions from December 1999 through February 29, 2000.
 - Copies of material transaction reports (DOE/NRC Form 741) supporting the transactions in the general ledger.
 - Daily declarations from February inspection through March 24, 2000. This report was sorted several ways to show how the declarations total to the values in the general ledger.
 - Draft inventory change reports (ICRs) for December 1999 through February.
19. The IAEA tentatively plans to install the rest of their equipment in May.
20. Though an inspector stayed until March 24, 2000, a closeout was conducted on March 23, 2000. Representatives from NRC, BWXT, and the IAEA attended. The IAEA reported that it accomplished most of what it needed to do. Other than the points mentioned above, no other issues were mentioned in the closeout.