

# BWX Technologies, Inc.

*a McDermott company*

## Fax Cover Sheet

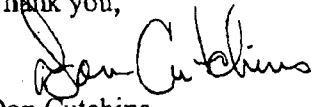
<b>To:</b>	<b>Brian Horn Bruce Moran</b>	<b>Date:</b> 5/25/2000
	<b>NRC</b>	<i><del>This Document Contains Information Proprietary To BWV Technologies</del></i>
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<b>Number of Pages including this Page:</b>	<b>8</b>	

**SUBJECT: MAY 2000 IAEA INSPECTION SUMMARY**

Gentlemen -

Attached, you will find a May 2000 IAEA inspection summary. If you have any questions, please contact me at (804) 525-1716. Also please note that NMC has a new fax number 804-522-6762.

Thank you,

  
Don Cutchins

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**IAEA Activities at the BWXT Down Blending Facility  
May 15-18, 2000**

Inspectors from the International Atomic Energy Agency (IAEA) were at the BWX Technologies (BWXT) Down Blending Facility May 15-18, 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. All 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 9 hour days.
4. Mr. Xiao stated that Mr. J. Lefebvre, Section Head, OBI would not be attending the inspection as originally scheduled.

Inspector	Role	Arrival	Departure	Training Expiration
P. Ikonomou	Unit Head	4/17/00	4/18/00	11/28/00
J. Xiao	UZOO Team, Facility Officer	4/15/00	4/18/00	11/21/00
J. Tanaka	UZOO Team, Technician	4/15/00	4/18/00	11/07/00

**B. Inspection Activities**

1. An opening meeting was conducted Monday, May 15, 2000. Present were representatives from BWXT, the IAEA, and the U. S. Nuclear Regulatory Commission (NRC). (b)(4)

(b)(4)

(b)(4)

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Administrative Review

*[Signature]*  
Name:

5-25-2000  
Date

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- 2. Mr. Xiao stated that the IAEA is in the process of improving the enrichment monitor software to write data to both the laptop hard disk and to an installed flash card. This will substantially reduce servicing time. The software change would probably not be made until July at the earliest.

3. (b)(4)

Ex 4

BWXT noted that the names and basic information on the Panametrics personnel would be needed and that they would probably be required to sign a non-disclosure agreement. (b)(4)

(b)(4)

Ex 4

The IAEA noted that their new equipment would be delayed until July 2000 or later pending the results of this test and an effort to combine flow totalizer and blend tank volume instrument recording into the data collection system. The Austrian Panametrics expert would only be needed for the final system installation.

4. (b)(4)

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(b)(4) A physical inventory listing (PIL) and a material balance report covering Sapphire Phase II down blending will be issued through the standard reporting channels.

- 5. BWXT plans to resume 50 MT processing the week of May 22, 2000. (b)(4)

(b)(4)

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- 6. BWXT informed the inspectors that the facility applied clear shrink wrap material to pipe joints and flanges in the down blending area to address a radiological health and safety concern with potential contamination sources. The facility initially wrapped high concentration and high pressure transfer lines as well as tank flanges. (b)(4)

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reapplied afterward (b)(4)

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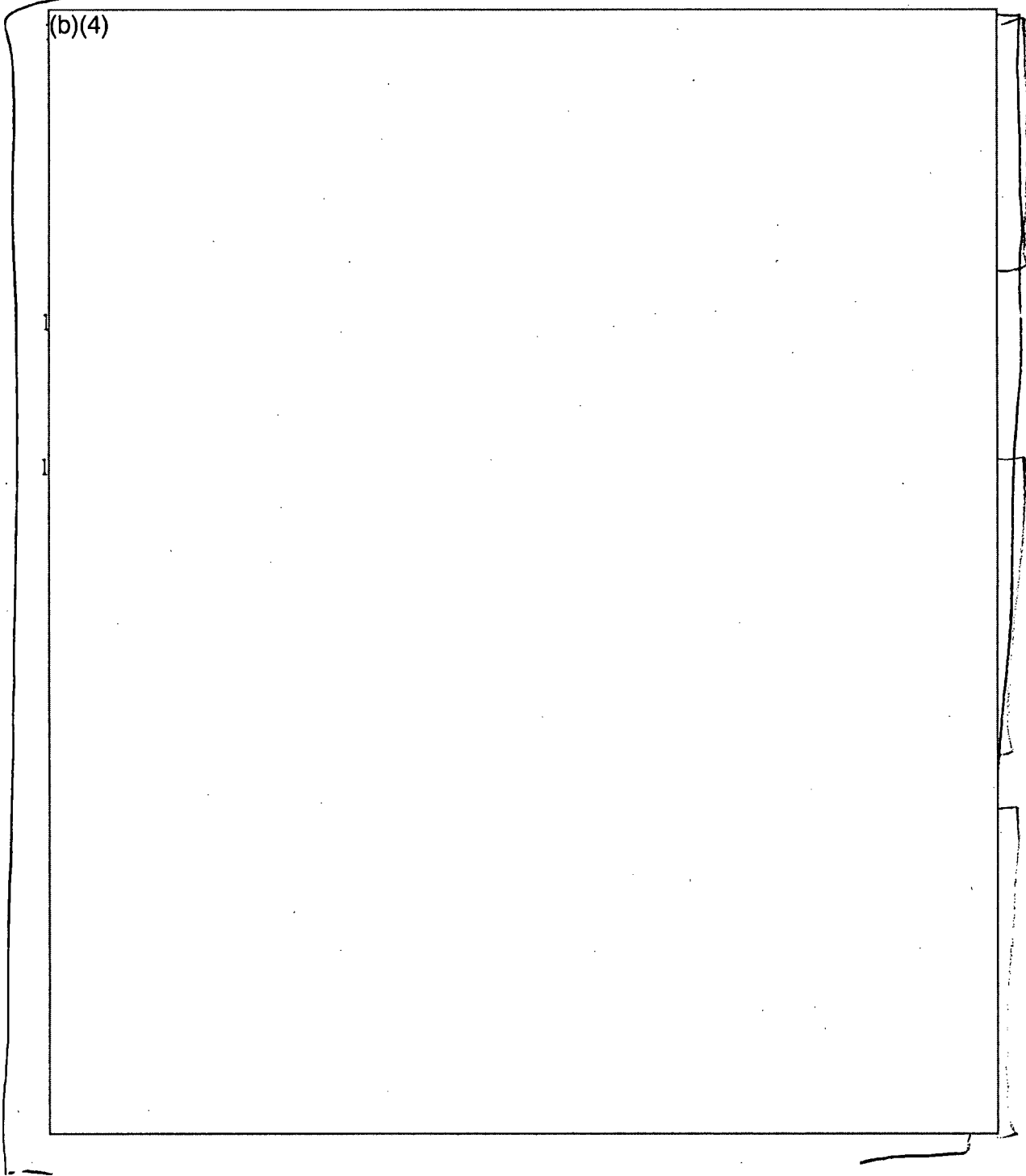
10 (b)(4)



Ex 4

11. The inspectors stated that accounting data since the last inspection had not yet arrived in Vienna. The NRC checked and found that the information had been delivered the Friday before the inspection.

(b)(4)



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(b)(4)

Ex 4

15. BWXT demonstrated the capabilities of the graphical display unit it is using on the tank level probes. BWXT also presented a copy of data recorded on this instrument for the blend tanks over the course of several days.

16. Totalizer information:

(b)(4)

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Ex 4

- BWXT agreed to continue monitoring the totalizer performance and will send the IAEA the results of the tests.

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(b)(4)

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20. 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 March 25, 2000 to May 15, 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)

Ex 4

- General ledger showing monthly transactions for April 2000. The IAEA also viewed the general ledger for the period of December 1999 through March 2000 to compare with inventory change reports the IAEA had received from the U.S.
- Daily declarations for April 2000 and for May 1-15, 2000. This report was sorted several ways to provide summary data the IAEA could use in their reports.
- Material transfer reports for April 2000.
- A graph of blend tank level changes recorded over a period of several days. The IAEA was allowed to keep this unclassified document.
- A completed copy of a data table for IAEA use that describes the material and fluid flows expected for the IAEA totalizer and ultrasonic probes. The IAEA requested the data to ensure that their Panametrics ultrasonic flowmeter system to be installed this summer would function properly under facility conditions. The IAEA was allowed to keep this unclassified document.
- Rosemount pressure transmitter documentation. The IAEA was allowed to keep this unclassified document.

21. The IAEA provided BWXT with the following documentation:

- A copy of several graphs from the IAEA enrichment monitor system for reference in resolving the high enrichment transfer.
- A copy of example output from the IAEA program to analyze operator daily declarations.
- Data sheets on the ultrasonic flow meters to be tested in June.

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22. A closeout was conducted on the afternoon of Thursday, May 18, 2000. No other information was presented other than that mentioned above. Overall the IAEA seemed pleased with the inspection.