

APPENDIX G  
USABILITY REPORTS

Attachment 1

**BROOKHAVEN NATIONAL LABORATORY**  
**Data Usability Summary Report**

Project:	OU III HFBR Pump and Treat
Sampling Contractor:	EWMSD
Analytical Laboratory:	Test America, St. Louis
Analytical Method:	Tritium
Sample Delivery Group:	F8A080140
COC No. / Sample IDs:	25250-004,005
Date Sampled:	1/4/2008
Parameter(s):	Tritium

<i>SAMPLE ID</i>	<i>DATA USABILITY QUALIFIERS</i>	<i>EXPLANATION FOR QUALIFIERS</i>
003 and 004		Based on the sample results and historic knowledge, the tritium results for samples 003 and 004 were reported for the wrong samples. The samples were either switched in the field or laboratory. The results were corrected in the database.

**Summary:**

Reviewed by: \_\_\_\_\_  
Subject Matter Expert

Date: \_\_\_\_\_

Reviewed by: \_\_\_\_\_  
Project Manager

Date: \_\_\_\_\_

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**BROOKHAVEN NATIONAL LABORATORY**

**Data Usability Summary Report**

Project:	OU III Building 96
Sampling Contractor:	EWMSD
Analytical Laboratory:	Test America, St. Louis
Analytical Method:	7196
Sample Delivery Group:	25861
COC No. / Sample IDs:	25861-008,-011
Date Sampled:	7/9/2008
Parameter(s):	Hexavalent Chromium

<i>SAMPLE ID</i>	<i>DATA USABILITY QUALIFIERS</i>	<i>EXPLANATION FOR QUALIFIERS</i>
25861-008 and 011	R	Hex Cr result is 10 times higher than total Cr. Due to the nature of the hex Cr result and the consistency of the total Cr with both pre and post results, the hex Cr result is most likely due to an interferent and is rejected.

**Summary:**

Reviewed by: \_\_\_\_\_  
Subject Matter Expert

Date: \_\_\_\_\_

Reviewed by: \_\_\_\_\_  
Project Manager

Date: \_\_\_\_\_

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**BROOKHAVEN NATIONAL LABORATORY**

**Data Usability Summary Report**

Project:	OU V
Sampling Contractor:	EWMSD
Analytical Laboratory:	Test America, St. Louis
Analytical Method:	Perchlorate
Sample Delivery Group:	26376
COC No. / Sample IDs:	26376-008
Date Sampled:	8/20/2008
Parameter(s):	Perchlorate

<i>SAMPLE ID</i>	<i>DATA USABILITY QUALIFIERS</i>	<i>EXPLANATION FOR QUALIFIERS</i>
26376-008	R	The perchlorate results from the sample reanalysis, historic knowledge, and a resampling of well 061-04 could not confirm the presence of perchlorate at the originally reported 40 ug/L. Therefore, the August 20, 2008 perchlorate sampling result was rejected.

**Summary:**

Reviewed by: \_\_\_\_\_  
Subject Matter Expert

Date: \_\_\_\_\_

Reviewed by: \_\_\_\_\_  
Project Manager

Date: \_\_\_\_\_

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**BROOKHAVEN NATIONAL LABORATORY**

**Data Usability Summary Report**

Project:	OU III BGRR
Sampling Contractor:	EWMSD
Analytical Laboratory:	Test America, St. Louis
Analytical Method:	905
Sample Delivery Group:	26449
COC No. / Sample IDs:	26449-015
Date Sampled:	10/21/2008
Parameter(s):	Sr-90

<i>SAMPLE ID</i>	<i>DATA USABILITY QUALIFIERS</i>	<i>EXPLANATION FOR QUALIFIERS</i>
26449	R	The originally reported result for Sr-90 from Well 065-162 was 73.6 pCi/L. Historically this well has approximately 1 pCi/L Sr-90. A reanalysis of this sample indicated only 1.18 pCi/L of Sr-90 was present. Therefore the 73.6 pCi/L result was rejected and the 1.18 pCi/L result is accepted for use.

**Summary:**

Reviewed by: \_\_\_\_\_  
Subject Matter Expert

Date: \_\_\_\_\_

Reviewed by: \_\_\_\_\_  
Project Manager

Date: \_\_\_\_\_