

APPENDIX G  
USABILITY REPORTS

# Attachment 1

## BROOKHAVEN NATIONAL LABORATORY

### Data Usability Summary Report

Project:	Sitewide OU III South Boundary
Sampling Contractor:	EWMSD
Analytical Laboratory:	STL
Analytical Method:	900
Sample Delivery Group:	22532
COC No. / Sample IDs:	22532-002
Date Sampled:	10/25/06
Parameter(s):	Lead 214

<i>SAMPLE ID</i>	<i>DATA USABILITY QUALIFIERS</i>	<i>EXPLANATION FOR QUALIFIERS</i>
22532-002	J-N2	Based on historic review of data and since the MDA plus the error is greater than the value, the cesium-137 result is qualified as potential false positives (J-N2).

#### **Summary:**

Reviewed by: John Burke  
Subject Matter Expert

Date: 6/12/07

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

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

# Attachment 1

## BROOKHAVEN NATIONAL LABORATORY

### Data Usability Summary Report

Project:	OU III BGRR
Sampling Contractor:	EWMSD
Analytical Laboratory:	GEL
Analytical Method:	906
Sample Delivery Group:	162246
COC No. / Sample IDs:	22613-007 and 008
Date Sampled:	5/3/06
Parameter(s):	Tritium

<i>SAMPLE ID</i>	<i>DATA USABILITY QUALIFIERS</i>	<i>EXPLANATION FOR QUALIFIERS</i>
23098-007 and 008	Tritium Data switched	Based on knowledge of the tritium plume location and past pre and post September samples from these locations, it is concluded that the sample results are switched. 22613-007 should be a non detect while sample 22613-008 should have the 3800 pCi/L concentration.

#### Summary:

Reviewed by: John Burke  
Subject Matter Expert

Date: 6/8/07

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

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

# Attachment 1

## BROOKHAVEN NATIONAL LABORATORY

### Data Usability Summary Report

Project:	Sitewide OU VI
Sampling Contractor:	EWMSD
Analytical Laboratory:	STL
Analytical Method:	504
Sample Delivery Group:	22763
COC No. / Sample IDs:	22763-012
Date Sampled:	6/13/06
Parameter(s):	EDB

<i>SAMPLE ID</i>	<i>DATA USABILITY QUALIFIERS</i>	<i>EXPLANATION FOR QUALIFIERS</i>
22763-012	J	Based on a review of data from well 000-179, both before and after the June 13, 2006 sample, it is concluded that the 2.1 ug/L result from June is an anomaly. Therefore, the result has been qualified as estimated (J).

#### **Summary:**

Reviewed by: John Burke  
Subject Matter Expert

Date: 6/12/07

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

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

# Attachment 1

## BROOKHAVEN NATIONAL LABORATORY

### Data Usability Summary Report

Project:	OU III BGRR
Sampling Contractor:	EWMSD
Analytical Laboratory:	GEL
Analytical Method:	906
Sample Delivery Group:	171266
COC No. / Sample IDs:	23098-007 and 008
Date Sampled:	9/6/06
Parameter(s):	Tritium

<i>SAMPLE ID</i>	<i>DATA USABILITY QUALIFIERS</i>	<i>EXPLANATION FOR QUALIFIERS</i>
23098-007 and 008	Tritium Data switched	Based on knowledge of the tritium plume location and past pre and post September samples from these locations, it is concluded that the sample results are switched. 23098-007 should be a non detect while sample 23098-008 should have the 7550 pCi/L concentration.

#### Summary:

Reviewed by: John Burke  
Subject Matter Expert

Date: 6/8/07

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

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

# Attachment 1

## BROOKHAVEN NATIONAL LABORATORY

### Data Usability Summary Report

Project:	Sitewide Current Landfill
Sampling Contractor:	EWMSD
Analytical Laboratory:	STL
Analytical Method:	900
Sample Delivery Group:	23152
COC No. / Sample IDs:	23152-012
Date Sampled:	10/25/06
Parameter(s):	Lead 214

<i>SAMPLE ID</i>	<i>DATA USABILITY QUALIFIERS</i>	<i>EXPLANATION FOR QUALIFIERS</i>
23152-012	J-N2	Based on historic review of data and since the MDA plus the error is greater than the value, the lead-214 result is qualified as potential false positives (J-N2).

#### Summary:

Reviewed by: John Burke  
Subject Matter Expert

Date: 6/12/07

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

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

# Attachment 1

## BROOKHAVEN NATIONAL LABORATORY

### Data Usability Summary Report

Project:	Sitewide Former Landfill
Sampling Contractor:	EWMSD
Analytical Laboratory:	STL
Analytical Method:	900
Sample Delivery Group:	23153
COC No. / Sample IDs:	23153-005
Date Sampled:	10/26/06
Parameter(s):	Lead 214

<i>SAMPLE ID</i>	<i>DATA USABILITY QUALIFIERS</i>	<i>EXPLANATION FOR QUALIFIERS</i>
23153-005	J-N2	Based on historic review of data and since the MDA plus the error is greater than the value, the lead-214 result is qualified as potential false positives (J-N2).

#### Summary:

Reviewed by: John Burke  
Subject Matter Expert

Date: 6/12/07

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

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

# Attachment 1

## BROOKHAVEN NATIONAL LABORATORY

### Data Usability Summary Report

Project:	Sitewide North Street East
Sampling Contractor:	EWMSD
Analytical Laboratory:	STL
Analytical Method:	900
Sample Delivery Group:	23166
COC No. / Sample IDs:	23166-005
Date Sampled:	11/6/06
Parameter(s):	Gross Alpha/Beta

<i>SAMPLE ID</i>	<i>DATA USABILITY QUALIFIERS</i>	<i>EXPLANATION FOR QUALIFIERS</i>
23166-005	J-N2	Based on historic review of data and since the MDA plus the error is greater than the value, the Gross alpha and beta results are qualified as potential false positives (J-N2).

#### Summary:

Reviewed by: John Burke  
Subject Matter Expert

Date: 6/12/07

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

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

# Attachment 1

## BROOKHAVEN NATIONAL LABORATORY

### Data Usability Summary Report

Project:	Sitewide North Street East
Sampling Contractor:	EWMSD
Analytical Laboratory:	STL
Analytical Method:	900
Sample Delivery Group:	23167
COC No. / Sample IDs:	23167-007
Date Sampled:	11/8/06
Parameter(s):	Gross Beta

<i>SAMPLE ID</i>	<i>DATA USABILITY QUALIFIERS</i>	<i>EXPLANATION FOR QUALIFIERS</i>
23167-007	J-N2	Based on historic review of data and since the MDA plus the error is greater than the value, the Gross beta result is qualified as potential false positives (J-N2).

#### Summary:

Reviewed by: John Burke  
Subject Matter Expert

Date: 6/12/07

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

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

# Attachment 1

## BROOKHAVEN NATIONAL LABORATORY

### Data Usability Summary Report

Project:	OU III South Boundary
Sampling Contractor:	EWMSD
Analytical Laboratory:	STL
Analytical Method:	524.2
Sample Delivery Group:	23486
COC No. / Sample IDs:	23486-002
Date Sampled:	11/2/06
Parameter(s):	Tritium

<i>SAMPLE ID</i>	<i>DATA USABILITY QUALIFIERS</i>	<i>EXPLANATION FOR QUALIFIERS</i>
23486-002	Reject	Sample collected was not from 095-126 (SB effluent) it was an influent sample.

#### **Summary:**

Reviewed by: John Burke  
Subject Matter Expert

Date: 6/8/07

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

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