

APPENDIX G  
USABILITY REPORTS

**Attachment 1**  
**BROOKHAVEN NATIONAL LABORATORY**  
**Data Usability Summary Report**

|                        |                         |
|------------------------|-------------------------|
| Project:               | OU III BGRR             |
| Sampling Contractor:   | BNL Field Sampling Team |
| Analytical Laboratory: | Test America            |
| Analytical Method:     | 906                     |
| Sample Delivery Group: | 277635                  |
| COC No. / Sample IDs:  | 29556-007, 013          |
| Date Sampled:          | 5/2/2011                |
| Parameter(s):          | Sr-90                   |

| <i>SAMPLE ID</i> | <i>DATA USABILITY QUALIFIERS</i> | <i>EXPLANATION FOR QUALIFIERS</i>  |
|------------------|----------------------------------|--|
| 007 and 013      |                                  | Based on historical results and results obtained from samples collected after 5/2/11, the Sr-90 results for samples 007 (065-369) and 013 (075-703) were switched. The sample results have been corrected in the database. |

**Summary:**

Reviewed by: John Burke  
 Subject Matter Expert

Date: 10/13/2011

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

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

**Attachment 1**  
**BROOKHAVEN NATIONAL LABORATORY**  
**Data Usability Summary Report**

|                        |                         |
|------------------------|-------------------------|
| Project:               | OU I South Boundary     |
| Sampling Contractor:   | BNL Field Sampling Team |
| Analytical Laboratory: | Test America            |
| Analytical Method:     | 905                     |
| Sample Delivery Group: | 30836                   |
| COC No. / Sample IDs:  | 30836-003 (115-27)      |
| Date Sampled:          | 1/4/2011                |
| Parameter(s):          | Tritium                 |

| <i>SAMPLE ID</i> | <i>DATA<br/>USABILITY<br/>QUALIFIERS</i> | <i>EXPLANATION FOR QUALIFIERS</i>  |
|------------------|--|--|
| 003              | R  | <p>The tritium result for this sample is being rejected for the following reasons:</p> <ul style="list-style-type: none"> <li>• The tritium result was 10 times higher than historically detected at this sampling point.</li> <li>• The result from this recovery well is 14,000 pCi/L higher than the 420 pCi/L value detected in the combined influent sample. The influent sample should have been at least 7,000 pCi/L for the sample result to be accurate.</li> <li>• The samples from the quarter prior and the quarter after this sample have concentrations ranging from 240 pCi/L to non-detect.</li> <li>• This result matches the 14,000 pCi/L concentration used in the matrix spike analysis.</li> </ul> <p>While there was no sample left to reprep and analyze, it does appear that sample 30836-003 was accidentally spiked with the matrix spike mixture, therefore the results have been rejected.</p> |

**Summary:**

Reviewed by: John Burke  
 Subject Matter Expert

Date: 8/9/2011

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

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

# Attachment 1

## BROOKHAVEN NATIONAL LABORATORY

### Data Usability Summary Report

|                        |                     |
|------------------------|---------------------|
| Project:               | OU III North Street |
| Sampling Contractor:   | BNL Sampling Team   |
| Analytical Laboratory: | Test America        |
| Analytical Method:     | 906                 |
| Sample Delivery Group: | 30923               |
| COC No. / Sample IDs:  | 30923-003           |
| Date Sampled:          | 2/3/2011            |
| Parameter(s):          | Tritium             |

| <i>SAMPLE ID</i> | <i>DATA<br/>USABILITY<br/>QUALIFIERS</i> | <i>EXPLANATION FOR QUALIFIERS</i>  |
|------------------|--|--|
| 003              | J-N2                                     | Tritium result is believed to be a false positive. The result is less than the MDA plus the error for the sample. Therefore, the result was qualified as J-N2. |

#### **Summary:**

Reviewed by: John Burke  
Subject Matter Expert

Date: 6/8/2011

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

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

# Attachment 1

## BROOKHAVEN NATIONAL LABORATORY

### Data Usability Summary Report

|                        |                                  |
|------------------------|----------------------------------|
| Project:               | Waste Management - Miscellaneous |
| Sampling Contractor:   | EPD                              |
| Analytical Laboratory: | Test America                     |
| Analytical Method:     | Liquid Scintillation             |
| Sample Delivery Group: | F1C190417                        |
| COC No. / Sample IDs:  | 31052-002 (BMRR condensate)      |
| Date Sampled:          | 3/18/2011                        |
| Parameter(s):          | Pu-241                           |

| <i>SAMPLE ID</i> | <i>DATA<br/>USABILITY<br/>QUALIFIERS</i> | <i>EXPLANATION FOR QUALIFIERS</i>   |
|------------------|--|---|
| 002              | U  | Based on the associated method blank result of 3.2 pCi/L, the Pu-241 sample result for 31052-002 of 3.7 pCi/L has been qualified as a nondetect at 3.7 pCi/L. |

#### Summary:

Reviewed by: John Burke  
Subject Matter Expert

Date: 4/12/2011

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

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

# Attachment 1

## BROOKHAVEN NATIONAL LABORATORY

### Data Usability Summary Report

|                        |                     |
|------------------------|---------------------|
| Project:               | OU I South Boundary |
| Sampling Contractor:   | R&C                 |
| Analytical Laboratory: | Test America        |
| Analytical Method:     | 905                 |
| Sample Delivery Group: | 31103               |
| COC No. / Sample IDs:  | 31103-001 (076-261) |
| Date Sampled:          | 4/6/2011            |
| Parameter(s):          | Sr-90               |

| <i>SAMPLE ID</i> | <i>DATA<br/>USABILITY<br/>QUALIFIERS</i> | <i>EXPLANATION FOR QUALIFIERS</i>  |
|------------------|--|--|
| 001              | J-N2                                     | Sr-90 results are believed to be false positives. The results are less than the MDA plus the error for each sample. Therefore, the results were qualified as J-N2. |

#### **Summary:**

Reviewed by: John Burke  
Subject Matter Expert

Date: 5/26/2011

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

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