

APPENDIX G
USABILITY REPORTS

Attachment 1

BROOKHAVEN NATIONAL LABORATORY

Data Usability Summary Report

Project:	Sitewide OU III Central
Sampling Contractor:	R&C Formation
Analytical Laboratory:	Test America
Analytical Method:	901
Sample Delivery Group:	38378
COC No. / Sample IDs:	38378-001 and 002 (109-03 and 109-04)
Date Sampled:	2/617
Parameter(s):	Cesium-137 and cobalt-60

<i>SAMPLE ID</i>	<i>DATA USABILITY QUALIFIERS</i>	<i>EXPLANATION FOR QUALIFIERS</i>
001 and 002	J-N2	The cobalt-60 results for both 109-03 and 109-04 were below the addition of the MDC and the error. Based on this and historic non-detects in these wells, the results are qualified as J-N2, estimated due to potential false positive.
001	J-N2	The cesium-137 result for 109-03 were below the addition of the MDC and the error. Based on this and historic non-detects in this well the result was qualified as J-N2, estimated due to potential false positive.

Summary:

Reviewed by: John Burke
Subject Matter Expert

Date: 4/17/18

Reviewed by: _____
Project Manager

Date: _____

Attachment 1

BROOKHAVEN NATIONAL LABORATORY

Data Usability Summary Report

Project:	OU3 WSB
Sampling Contractor:	EPD Field Team
Analytical Laboratory:	Test America
Analytical Method:	524
Sample Delivery Group:	38864
COC No. / Sample IDs:	38864-001 and 002 (Influent and Effluent)
Date Sampled:	7/11/2017
Parameter(s):	VOCs

<i>SAMPLE ID</i>	<i>DATA USABILITY QUALIFIERS</i>	<i>EXPLANATION FOR QUALIFIERS</i>
001 and 002	Switched samples	Based on the detections reported for sample 002 (effluent), the result match historical data for the influent. The results for sample 001 (influent) match the historical results for the effluent. Therefore, it has been determined that the samples were switched either in the field or at the laboratory.

Summary:

Reviewed by: John Burke
Subject Matter Expert

Date: 5/4/18

Reviewed by: _____
Project Manager

Date: _____

Attachment 1

BROOKHAVEN NATIONAL LABORATORY

Data Usability Summary Report

Project:	Sitewide - OUI South Boundary
Sampling Contractor:	R&C Formation
Analytical Laboratory:	Test America
Analytical Method:	524
Sample Delivery Group:	39006
COC No. / Sample IDs:	39006 – 000-470
Date Sampled:	8/29/17
Parameter(s):	VOCs

<i>SAMPLE ID</i>	<i>DATA USABILITY QUALIFIERS</i>	<i>EXPLANATION FOR QUALIFIERS</i>
001	R	Based on the historic nondetect results for toluene and the September sample results which were also non-detect, the 28 ug/L detection of toluene is deemed a false positive. It was most likely the result of contamination. Therefore the toluene result is qualified as unusable ®.

Summary:

Reviewed by: John Burke
Subject Matter Expert

Date: 10/17/17

Reviewed by: _____
Project Manager

Date: _____

Attachment 1

BROOKHAVEN NATIONAL LABORATORY

Data Usability Summary Report

Project:	OU3SR90 CA
Sampling Contractor:	EPD Field Team
Analytical Laboratory:	Test America
Analytical Method:	905
Sample Delivery Group:	39108
COC No. / Sample IDs:	39108-001 and 004 (Influent and Effluent)
Date Sampled:	9/14/17
Parameter(s):	Sr-90

<i>SAMPLE ID</i>	<i>DATA USABILITY QUALIFIERS</i>	<i>EXPLANATION FOR QUALIFIERS</i>
001 and 004	Switched samples	Based on the detections reported for sample 004 (effluent), the result match historical data for the influent. The results for sample 001 (influent) match the historical results for the effluent. Therefore, it has been determined that the samples were switched either in the field or at the laboratory.

Summary:

Reviewed by: John Burke
Subject Matter Expert

Date: 10/20/17

Reviewed by: _____
Project Manager

Date: _____

Attachment 1

BROOKHAVEN NATIONAL LABORATORY

Data Usability Summary Report

Project:	Sitewide RAV
Sampling Contractor:	R&C Formation
Analytical Laboratory:	Test America
Analytical Method:	901.1
Sample Delivery Group:	39008
COC No. / Sample IDs:	39008-004
Date Sampled:	8/29/17
Parameter(s):	Sr-90

<i>SAMPLE ID</i>	<i>DATA USABILITY QUALIFIERS</i>	<i>EXPLANATION FOR QUALIFIERS</i>
004	U	Reanalysis did not confirm the presence of Co-60. Reanalysis will be used for reporting.

Summary:

Reviewed by: John Burke Date: 12/5/17
Subject Matter Expert

Reviewed by: _____ Date: _____
Project Manager

Attachment 1

BROOKHAVEN NATIONAL LABORATORY

Data Usability Summary Report

Project:	Sitewide RAV
Sampling Contractor:	R&C Formation
Analytical Laboratory:	Test America
Analytical Method:	901.1
Sample Delivery Group:	39014
COC No. / Sample IDs:	39014-006
Date Sampled:	8/30/17
Parameter(s):	Sr-90

<i>SAMPLE ID</i>	<i>DATA USABILITY QUALIFIERS</i>	<i>EXPLANATION FOR QUALIFIERS</i>
006	U	Reanalysis did not confirm the presence of Be-7. Reanalysis will be used for reporting.

Summary:

Reviewed by: John Burke Date: 12/5/17
Subject Matter Expert

Reviewed by: _____ Date: _____
Project Manager

Attachment 1

BROOKHAVEN NATIONAL LABORATORY

Data Usability Summary Report

Project:	Sitewide WSB
Sampling Contractor:	R&C Formation
Analytical Laboratory:	Test America
Analytical Method:	901.1
Sample Delivery Group:	39160
COC No. / Sample IDs:	39160-001, 002 and 003
Date Sampled:	8/15/17
Parameter(s):	Gamma

<i>SAMPLE ID</i>	<i>DATA USABILITY QUALIFIERS</i>	<i>EXPLANATION FOR QUALIFIERS</i>
001	U	Reanalysis did not confirm the presence of europium-152. Reanalysis will be used for reporting.
002	J-N2	Reanalysis did not confirm the presence of europium-154. Data qualified as potential false positive.
003	U	Reanalysis did not confirm the presence of bismuth-214. Reanalysis will be used for reporting.

Summary:

Reviewed by: John Burke
Subject Matter Expert

Date: 12/5/17

Reviewed by: _____
Project Manager

Date: _____