

APPENDIX G
USABILITY REPORTS

Attachment 1

BROOKHAVEN NATIONAL LABORATORY

Data Usability Summary Report

Project:	OU3 Sr90CA
Sampling Contractor:	EPD Field Team
Analytical Laboratory:	GEL
Analytical Method:	905
Sample Delivery Group:	395703
COC No. / Sample IDs:	37621-001, 002 (106-106, and 106-109)
Date Sampled:	4/15/16
Parameter(s):	Sr-90

<i>SAMPLE ID</i>	<i>DATA USABILITY QUALIFIERS</i>	<i>EXPLANATION FOR QUALIFIERS</i>
001 and 002	Switched Sr-90 analyses	Based on historical results and the fact that sample 001 was collected upstream and untreated and sample 002 was downstream post treatment, it has been concluded that the results were switched either by switching the samples in the field or in the analytical laboratory. Therefore the sample data has been corrected.

Summary:

Reviewed by: John Burke
Subject Matter Expert

Date: 6/6/17

Reviewed by: _____
Project Manager

Date: _____

Attachment 1

BROOKHAVEN NATIONAL LABORATORY

Data Usability Summary Report

Project:	Sitewide RA V
Sampling Contractor:	R&C Formation
Analytical Laboratory:	Test America
Analytical Method:	524
Sample Delivery Group:	160-18767-2
COC No. / Sample IDs:	37891-003
Date Sampled:	8/23/16
Parameter(s):	Co-60

<i>SAMPLE ID</i>	<i>DATA USABILITY QUALIFIERS</i>	<i>EXPLANATION FOR QUALIFIERS</i>
003	Rejected original Analysis	A reanalysis of sample 37891-003 did not confirm the presence of Co-60. Based on this reanalysis and historical results, the original analysis has been rejected and the reanalysis has been entered into the database.

Summary:

Reviewed by: John Burke
Subject Matter Expert

Date: 9/22/16

Reviewed by: _____
Project Manager

Date: _____

Attachment 1

BROOKHAVEN NATIONAL LABORATORY

Data Usability Summary Report

Project:	Sitewide RA V
Sampling Contractor:	R&C Formation
Analytical Laboratory:	Test America
Analytical Method:	524
Sample Delivery Group:	37892
COC No. / Sample IDs:	37892-005
Date Sampled:	8/25/16
Parameter(s):	Co-60

<i>SAMPLE ID</i>	<i>DATA USABILITY QUALIFIERS</i>	<i>EXPLANATION FOR QUALIFIERS</i>
005	Rejected original Analysis	A reanalysis of sample 37892-005 did not confirm the presence of bismuth-214 or lead-214. Based on this reanalysis and historical results, the original analysis has been rejected and the reanalysis has been entered into the database.

Summary:

Reviewed by: John Burke
Subject Matter Expert

Date: 12/30/16

Reviewed by: _____
Project Manager

Date: _____

Attachment 1

BROOKHAVEN NATIONAL LABORATORY

Data Usability Summary Report

Project:	Sitewide CLF
Sampling Contractor:	R&C Formation
Analytical Laboratory:	Test America
Analytical Method:	Metals
Sample Delivery Group:	38341
COC No. / Sample IDs:	38341-001 087-09
Date Sampled:	12/19/16
Parameter(s):	metals

<i>SAMPLE ID</i>	<i>DATA USABILITY QUALIFIERS</i>	<i>EXPLANATION FOR QUALIFIERS</i>
001	Rejected Analyses	Due to drought conditions the water level in well 087-09 was unusually low. Therefore the sample pump was lowered to near the bottom of the well to ensure a good flow of water for sampling. The turbidity of the sample was 999 NTU after 7 volumes of tubing water was removed, therefore sampling was conducted as per the BNL SOP. Metals results were up to 3 orders of magnitude higher than historic results. A new sample was collected on January 25. Care was taken not to disturb sediment that may have been built up in the well and the turbidity of the sample was 6.5 NTU, well within normal parameters. The metals results for the January 25, 2017 sample returned to historic levels. Therefore, it is concluded that the metals results in the December 19, 2016 sample were the result of sediment build up in the monitoring well and not a reflection of the groundwater conditions. Therefore all metals results from December 19, 2016 have been rejected.

Summary:

Reviewed by: John Burke
Subject Matter Expert

Date: 12/30/16

Reviewed by: _____
Project Manager

Date: _____