

APPENDIX F: FIELD CHANGE REQUESTS

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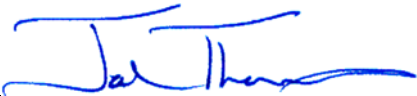
FIELD CHANGE REQUEST

FIELD CHANGE REQUEST NO.: LEIDOS_FWGW_009

PROJECT: Groundwater Investigation and Reporting Services, RVAAP Restoration Program

CONTRACT NUMBER: W912QR-16-D-0003, Delivery Order W912QR-18-F-0337

BRIEF DESCRIPTION: October 2019 FWGWMP – Additional Sampling Suite

| | |
|---|----------------------|
| REQUESTOR IDENTIFICATION | |
| NAME/TITLE: Jed Thomas, Deputy Project Manager | ORGANIZATION: Leidos |
| PHONE: 330-405-5802 | |
|  | 9/26/19 |
| SIGNATURE | DATE |
| BASELINE IDENTIFICATION | |
| BASELINE(S) AFFECTED <input type="checkbox"/> Cost <input type="checkbox"/> Scope <input type="checkbox"/> Milestone <input checked="" type="checkbox"/> Method of Accomplishment | |
| AFFECTED DOCUMENT (TITLE, NUMBER AND SECTION): Facility-wide Groundwater Monitoring Program Plan RVAAP-66 Facility-wide Groundwater Addendum for 2019, Table 3-2. FWGWMP Wells with Analytical Testing Suite | |
| DESCRIPTION OF CHANGE: In addition to the wells and analyses specified in Table 3-2 of the 2019 Addendum, the following is recommended for sampling and analyses in October 2019. | |
| 1) To further understand the nature and extent of contamination and potential risk (if any), the following wells are recommended to be sampled and analyzed for metals: | |
| <ul style="list-style-type: none">• FWGmw-002• BKGmw-021• LL1mw-080• B12mw-012• EBGmw-125 | |
| (Note: Wells LL1mw-080 and EBGmw-125 were specified to be sampled in the October 2019 event per the 2019 Addendum, but the analyses did not include metals.) | |
| 2) Upon a detailed review of Table 1-3. Key CSM Inputs for Each AOC/MRS/CRS Site and Table 2-1. RI Goals and Objectives for Each AOC/MRS/CRS Site of the <i>Remedial Investigation Work Plan for Groundwater and Environmental Investigation Services for RVAAP-66 Facility-Wide Groundwater</i> , the following wells are recommended to be sampled and analyzed to further ensure data gaps are addressed upon submission of the Remedial Investigation Report: | |
| <ul style="list-style-type: none">• LL1mw-063, explosives, propellants, cyanide analysis• FWGmw-004, cyanide analysis | |
| JUSTIFICATION: The Facility-wide Groundwater Remedial Investigation Report is currently under development. Collection of these additional samples will 1) further support the effort to finalize conclusions within the report and 2) further ensure data gaps identified in the Remedial Investigation Work Plan have been addressed. | |


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BRIEF DESCRIPTION: October 2019 FWGWMP – Additional Sampling Suite

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| IMPACT OF NOT IMPLEMENTING REQUEST: There may be data gaps identified upon finalization and review of the Remedial Investigation Report. In addition, additional metal analyses will help understand the nature and extent of contamination and potential risk (if any) within the specified wells. | | |
| PARTICIPANTS AFFECTED BY IMPLEMENTING REQUEST: Leidos | | |
| COST ESTIMATE: \$0 (No cost impact to USACE) | | |
| Estimator Signature: | Not applicable | DATE |
| PREVIOUS FCR AFFECTED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO; IF YES, FCR NO. | | |
| APPROVAL SIGNATURES: | | |
| USACE Representative | TRUMBLE.JAMES.NAPOLEON. <small>Digitally signed by TRUMBLE.JAMES.NAPOLEON.HI.1207239727 III.1207239727 Date: 2019.09.26 13:00:03 -0400</small> | 26 Sep 2019 |
| |  | DATE |
| Ohio EPA Project Coordinator | | 9-27-19 |
| | | DATE |
| Leidos H&S Manager (if applicable) | Not applicable | DATE |


FIELD CHANGE REQUEST

FIELD CHANGE REQUEST NO.: LEIDOS_FWGW_010

PROJECT: Groundwater Investigation and Reporting Services, RVAAP Restoration Program

CONTRACT NUMBER: W912QR-16-D-0003, Delivery Order W912QR-18-F-0337

BRIEF DESCRIPTION: Post-Sample Water Quality Measurements

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|---|--------------------------|
| REQUESTOR IDENTIFICATION NAME/TITLE: Jed Thomas, Deputy Project Manager ORGANIZATION: Leidos PHONE: 330-405-5802 | |
|  _____ SIGNATURE | 10/2/19 _____ DATE |
| BASELINE IDENTIFICATION BASELINE(S) AFFECTED <input type="checkbox"/> Cost <input type="checkbox"/> Scope <input type="checkbox"/> Milestone <input checked="" type="checkbox"/> Method of Accomplishment | |
| AFFECTED DOCUMENT (TITLE, NUMBER AND SECTION): Revised Final Remedial Investigation Work Plan for Groundwater and Environmental Investigation Services for RVAAP-66 Facility-Wide Groundwater (dated 9/21/16), Section 3.7 2016 FWGW Monitoring Program and RI Groundwater Sampling | |
| DESCRIPTION OF CHANGE: Section 3.7 of the RI Work Plan specifies that "Following completion of groundwater sampling, a final set of groundwater quality parameters will be measured and recorded." These post-sample water quality parameters are not used and may not be an accurate characterization of the groundwater samples. Rather, the water quality parameters recorded at the time stabilization is achieved (immediately before sampling) are the parameters entered into the database and used for evaluation. To ensure the appropriate water quality parameters are entered in the database, this FCR removes the requirement to collect a final set of groundwater quality parameters following the completion of groundwater sampling. | |
| JUSTIFICATION: The water quality parameters recorded at the time stabilization is achieved (immediately before sampling) are the parameters entered into the database and used for evaluation. The post-sample water quality parameters are not entered in the database, nor are they used for any evaluation of groundwater characteristics. Recording the post-sample water quality parameters may result in an incorrect data entry. | |
| IMPACT OF NOT IMPLEMENTING REQUEST: See justification. | |
| PARTICIPANTS AFFECTED BY IMPLEMENTING REQUEST: Leidos | |


FIELD CHANGE REQUEST

FIELD CHANGE REQUEST NO.: LEIDOS_FWGW_010

PROJECT: Groundwater Investigation and Reporting Services, RVAAP Restoration Program

CONTRACT NUMBER: W912QR-16-D-0003, Delivery Order W912QR-18-F-0337

BRIEF DESCRIPTION: Post-Sample Water Quality Measurements

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| COST ESTIMATE: \$0 (No cost impact to USACE) | | |
| Estimator Signature: | Not applicable | DATE |
| PREVIOUS FCR AFFECTED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO; IF YES, FCR NO. | | |
| APPROVAL SIGNATURES: | | |
| USACE Representative | <small>TRUMBLE.JAMES.NAPOLEO</small> <small>N.III.1207239727</small> | 7 Oct 2019 |
| | <small>Digitally signed by</small> <small>TRUMBLE.JAMES.NAPOLEON.III.1207239727</small> <small>Date: 2019.10.07 07:18:45 -0400</small> | DATE |
| Ohio EPA Project Coordinator |  | 10-8-19 |
| | | DATE |
| Leidos H&S Manager (if applicable) | Not applicable | DATE |