Record of Modification

Phase II Site Characterization Sampling and Analysis Plan Field Activities
Columbia Fall Aluminum Company RI/FS
Phase II SAP MOD #1

Instructions to Requester: **Submit to Roux RI Manager or Roux RI/FS Project Manager**
Roux RI Manager will maintain legible copies in a binder that can be accessed by personnel.

Project Work Plan/QAPP (check one)**:**

[X] 2018 Phase II SAP

[ ] SOP (Title, # and approval date): _____

Requester: Laura Jensen, Project Hydrogeologist Date: May 16, 2018

Applicable section of SAP/SOP:

Phase II SAP, Section 4.5 (Soil Borings and Soil Sampling), subsection Main Plant Building and Utility Tunnel Soil Borings

Description of Modification:

Based on the ongoing demolition of the Main Plant building and potrooms, proposed soil borings CFSB-159 and 160 will be relocated outside of the basement, just east of Potroom #10 and the former building. An additional Sonic soil boring will be advanced in the courtyard between Potrooms #9 and #10.

Rationale for Modifications / Potential Implications of Modifications:

Demolition of the Main Plant building was initiated by CFAC's demolition contractor, Calbag Resources LLC (Calbag) in 2015 and has continued through the second quarter of 2018. At the time that the Phase II SAP was submitted to USEPA, it was assumed that all potrooms would be accessible to complete the fourteen proposed Sonic drilling locations in the Main Plant building.

As discussed during the onsite meeting with CFAC/Roux/USEPA/MDEQ on May 9, 2018, Calbag has not yet completed demolition of Potroom #10. The current demolition work in Potroom #10 includes former potroom structure demolition and asbestos abatement, which poses access and potential safety issues to Roux and their drilling subcontractor. Based on discussions with CFAC and Calbag, Potroom #10 was determined to be inaccessible for Sonic drilling. During the onsite meeting, it was agreed that the two soil borings originally proposed in Potroom #10 would be relocated outside of the basement, just east of Potroom #10 and the former building. At the onsite meeting, USEPA also requested an additional Sonic soil boring in the courtyard between Potrooms #9 and #10. The attached figure presents the locations of the relocated borings.

Soil borings within the former footprint of the Main Plan building will be used to characterize soil beneath the former pot room basements. These borings will be advanced below the depth of the former building basement until native soil is encountered.

Duration of Modification (Check one):

☐ Temporary

Date(s) _____

Sample Numbers Affected CFSB-159, 160, 285

☒ Permanent (Proposed Text Modification Section) Effective Date: May 16, 2018

Proposed Text Modifications in Associated Document:

This form serves to document the change as described above, no document revisions are proposed.

Data Quality Indicator (check one) – Please reference definitions on next page for direction on selecting data quality indicators:

☐ **Not Applicable** ☐ **Reject** ☐ **Low Bias** ☐ **Estimate** ☐ **High Bias** ☒ **No Bias**

Roux Project Manager Approval: Laura Jensen *Laura Jensen* Date: May 16, 2018
(Roux RI/FS Project Manager or designate)

EPA Review and Approval: Mike Cirian Date: _____
(USEPA RPM or designate)

DATA QUALITY INDICATOR DEFINITIONS

Reject – Samples associated with this modification form are not useable. The conditions outlined in the modification form adversely affect the associated sample to such a degree that the data are not reliable.

Low Bias – Samples associated with this modification form are useable, but results are likely to be biased low. The conditions outlined in the modification form suggest that associated sample data are reliable, but estimated low.

Estimate – Samples associated with this modification form are useable, but results should be considered approximations. The conditions outlined in the modification form suggest that associated sample data are reliable, but estimates.

High Bias – Samples associated with this modification form are useable, but results are likely to be biased high. The conditions outlined in the modification form suggest that associated sample data are reliable, but estimated high.

No Bias – Samples associated with this modification form are useable as reported. The conditions outlined in the modification form suggest that associated sample data are reliable as reported.