Columbia Falls Aluminum Company

May 8, 2024

Sent via e-mail to khausrath@mt.gov

Katherine Hausrath
Legal Counsel
Montana Natural Resource Damages Program
PO Box 201427
Helena, MT 59620

Re: Columbia Falls Aluminum Company (CFAC) CERCLA Site (Site)
Follow-up Response to Notice of Intent to Perform a Natural Resource Damage Assessment (NRDA)

Dear Ms. Hausrath:

I am writing as CFAC committed to providing the Trustees with a response by May 8, 2024.

To recap our shared history, on January 10, 2024, CFAC received a Preassessment Screen (PAS) and Notice of Intent to Perform a Natural Resource Damage Assessment (Notice) at the Site from the Montana Natural Resource Damage Program (NRDP), the U.S. Department of Interior through the U.S. Fish and Wildlife Service and the Bureau of Indian Affairs, the U.S. Department of Agriculture, and the Confederated Salish and Kootenai Tribes (collectively, the Trustees). The Notice provided CFAC the opportunity to participate in the NRDA process. It described this opportunity to participate as including both the development of the type and scope of the Assessment Plan and the subsequent performance of the assessment, pursuant to a funding and participation agreement.

CFAC met with the Trustees on February 21, 2024, to discuss the NRDA process. At that meeting, it became clear that the Trustees intended to conduct the assessment and primarily wanted CFAC to "participate" by funding the NRDA. In return, CFAC would have the "opportunity to confer" in the process. CFAC also learned that the Montana NRDP had already issued a contract to Industrial Economics, Inc. covering the Preliminary Assessment of Damages, data gaps analysis, Assessment Plan, Assessment Report, and the Restoration Determination and Compensation Plan. To our disappointment, the contract was issued eight days before CFAC's meeting with the Trustees, which had been scheduled prior to the contract's execution.

On March 8, 2024, CFAC responded to the Notice and identified significant technical and legal issues with the PAS and the assessment process itself. However, in a spirit of cooperation, CFAC also prepared a funding and participation agreement (Agreement), modeled on an example you provided. The Agreement required CFAC to conduct the assessment in a collaborative manner under the Trustees' oversight while also paying all associated costs.

The Trustees responded to CFAC's offer on April 12, 2024, disregarding CFAC's comments on the PAS and offering a heavily edited version of the Agreement, with CFAC's role limited to paying for the NRDA and having some opportunity to "confer" in the process. The revised Agreement provides only three points for CFAC input: the parties would "meet and confer" on the specifics of the draft Assessment Plan; CFAC could provide comments on that plan prior to its release for public comment; and, following public comment, the parties would "meet and confer" to discuss CFAC's comments and attempt to reach consensus on the final Assessment Plan. This offer to "meet and confer" is far less than CFAC understood the Trustees were offering in the Notice's stated "opportunity to participate" in the NRDA process.

Again, however, CFAC met with the Trustees on April 24, 2024, in the hopes of finding a cooperative path forward. During that meeting, it was clear that the Trustees would not allow CFAC to conduct the assessment, although the NRDA regulations do not prohibit a potentially responsible party from conducting the work and there is one site in Montana where that is occurring. In addition, the Trustees indicated they do not intend to respond to CFAC's March 8, 2024, letter, or its comments on the PAS.

As you know, CFAC has approached regulatory requests at this Site collaboratively. Since signing the Administrative Order on Consent in 2015, CFAC has been cooperative with EPA and the remediation process, spending over $14 million on the Remedial Investigation (RI) and Feasibility Study to determine the nature and extent of impacts at the Site and to evaluate cleanup options to ensure any impacts are mitigated or eliminated. CFAC has conducted all work asked of it by EPA and anticipates continuing to do so once the Record of Decision is issued. Considering this history, the Trustees' unwillingness to allow CFAC meaningful participation in the NRDA process lacks any justification.

For these reasons, as well as those identified in CFAC's March 8, 2024, letter, CFAC is not willing to enter into the Agreement as proposed by the Trustees.

CFAC does want to follow up on one item from the April 24, 2024, meeting, wherein you indicated that the Trustees may need to recreate the RI data because there are no sample location tables available. Finding it incredible that EPA would issue a Proposed Plan without tying sample data to locations, CFAC conducted some additional research. Location coordinates for all samples collected during the RI are provided in the following tables, which I have included with this letter:

1. Summary of Soil Samples
2. Summary of Surface Water
3. Summary of Sediment Samples

4. Monitoring Well Construction Data – Screened Intervals and Survey Data
5. Groundwater and Flathead River Elevation Data
6. Summary of Groundwater Samples
7. Summary of Sediment Porewater Samples

These tables are identical to Tables 1 through 7 of the Phase II Site Characterization Data Summary Report (included as Volume 4, Appendix C of the RI Report) with the exception that Northing and Easting columns have been added and populated with Northing and Easting coordinates in the Montana State Plane coordinate system. This allows for plotting of the sample locations. The sample locations are also depicted in the various figures and plates within the RI Report and the Phase II Site Characterization Data Summary Report.

During the NRDA process, if other issues like this one arise that would lead the Trustees to consider expending time or resources recreating work that has already been done, CFAC requests that you reach out prior to doing so and provide CFAC with the opportunity to assist.

CFAC again requests that the Trustees consider both this and its March 8, 2024, comments before moving forward with this NRDA process. In addition, please include this letter in the administrative record for the Site and provide a copy to the Trustee group.

Sincerely,

Jared Ragozine

Jared Ragozine

Attachments:
Tables 1-7

cc: John Stroiazzo, CFAC
Cynthia Brooks, Doney Crowley P.C.
Andrew Baris, Roux
Ryan Stifter, Roux
Michael Freeman, Governor's Natural Resource Advisor

Table 1. Summary of Soil Samples Collected During Phase I SC, SSPA, and Phase II SC
Columbia Falls Aluminum Company, LLC, Phase II Site Characterization, 2000 Aluminum Drive, Columbia Falls, MT

Sample Location	Easting (X)	Northing (Y)	Phase	Date Completed	Surface (0 - 0.5 ft bls)	Shallow (0.5 - 2 ft bls)	Intermediate (6 - 8 ft bls)	Intermediate (10 - 12 ft bls)	Deep (15 - 17 ft bls)	Deep (20 - 22 ft bls)	Above Water Table (Interval Varies)	In Screened Interval (Interval Varies)	Notes
CFISS-001	842971.87	1546149.96	Phase I	6/14/2016	X	X							
CFISS-002	842967.70	1545983.29	Phase I	6/14/2016	X	X							
CFISS-002	842967.70	1545983.29	Phase I	7/19/2016	X	X							
CFISS-003	842978.12	1545814.54	Phase I	6/15/2016	X	X							
CFISS-004	842915.62	1545635.38	Phase I	6/15/2016	X	X							
CFISS-005	843123.95	1545624.96	Phase I	6/16/2016	X	X							
CFISS-006	843323.95	1545568.71	Phase I	6/17/2016	X	X							
CFISS-006	843323.95	1545568.71	Phase I	7/25/2016	X	X							
CFISS-007	843655.20	1545556.21	Phase I	6/17/2016	X	X							
CFISS-008	844011.45	1545522.88	Phase I	6/18/2016	X	X							
CFISS-008	844011.45	1545522.88	Phase I	7/26/2016	X	X							
CFISS-009	842901.03	1545454.13	Phase I	6/22/2016	X	X							
CFISS-010	843119.78	1545452.04	Phase I	6/22/2016	X	X							
CFISS-011	843319.78	1545406.21	Phase I	6/21/2016	X	X							
CFISS-012	843534.37	1545395.79	Phase I	6/21/2016	X	X							
CFISS-013	843746.87	1545381.21	Phase I	6/20/2016	X	X							
CFISS-014	843951.03	1545366.63	Phase I	6/20/2016	X	X							
CFISS-015	844186.45	1545343.71	Phase I	6/18/2016	X	X							
CFISS-016	842921.87	1545314.54	Phase I	6/23/2016	X	X							
CFISS-016	842921.87	1545314.54	Phase I	6/28/2016		X							
CFISS-017	843105.20	1545302.04	Phase I	6/23/2016	X	X							
CFISS-018	843340.62	1545206.21	Phase I	6/24/2016	X	X							
CFISS-019	843526.03	1545183.29	Phase I	6/24/2016	X	X							
CFISS-020	843730.20	1545170.79	Phase I	6/25/2016	X	X							
CFISS-021	843942.70	1545160.38	Phase I	6/25/2016	X	X							
CFISS-022	844151.03	1545152.04	Phase I	6/27/2016	X	X							
CFISS-023	844369.78	1545118.71	Phase I	6/27/2016	X	X							
CFISS-024	843546.87	1545027.04	Phase I	6/29/2016	X	X							
CFISS-025	843719.78	1544962.46	Phase I	6/30/2016	X	X							
CFISS-026	843932.28	1544954.13	Phase I	6/30/2016	X	X							
CFISS-027	844146.87	1544947.88	Phase I	7/1/2016	X	X							
CFISS-028	844346.87	1544931.21	Phase I	7/1/2016	X	X							
CFISS-029	844567.70	1544927.04	Phase I	6/27/2016	X	X							
CFISS-030	843609.37	1544781.21	Phase I	7/20/2016	X	X							
CFISS-031	843736.45	1544756.21	Phase I	7/13/2016	X	X							
CFISS-032	843923.95	1544745.79	Phase I	7/12/2016	X	X							
CFISS-033	844126.03	1544737.46	Phase I	7/12/2016	X	X							
CFISS-034	844330.20	1544716.63	Phase I	7/11/2016	X	X							
CFISS-035	844534.37	1544710.38	Phase I	7/11/2016	X	X							
CFISS-036	842211.45	1544914.54	Phase I	7/15/2016	X	X							
CFISS-037	842423.95	1544891.63	Phase I	7/15/2016	X	X							
CFISS-038	842646.87	1544872.88	Phase I	7/14/2016	X	X							
CFISS-039	842828.12	1544852.04	Phase I	7/14/2016	X	X							
CFISS-040	843013.53	1544874.96	Phase I	7/13/2016	X	X							
CFISS-041	842196.87	1544760.38	Phase I	7/16/2016	X	X							
CFISS-042	842426.03	1544762.46	Phase I	7/18/2016	X	X							
CFISS-043	842630.20	1544704.13	Phase I	7/18/2016	X	X							
CFMW-002	843027.35	1546021.16	Phase I	6/13/2016	X	X	X						
CFMW-003a	841647.49	1547603.17	Phase I	5/31/2016	X	X	X						
CFMW-003a	841647.49	1547603.17	Phase I	6/2/2016								X (23-38)	
CFMW-008a	844043.58	1546575.28	Phase I	6/13/2016	X	X	X					X (88-93)	
CFMW-008a	844043.58	1546575.28	Phase I	6/14/2016									
CFMW-010	842986.31	1546115.48	Phase I	5/18/2016	X	X	X						
CFMW-012a	843111.47	1545978.65	Phase I	5/20/2016	X	X	X					X (68-73)	
CFMW-016a	843955.40	1545856.54	Phase I	6/21/2016	X	X	X					X (79-84)	
CFMW-018	844586.94	1545750.75	Phase I	5/19/2016	X	X	X						
CFMW-019a	843291.65	1545565.44	Phase I	5/25/2016	X	X	X						Below water table sample not collected due to no recovery in sample interval
CFMW-022	843942.18	1545314.58	Phase I	6/2/2016	X	X	X						
CFMW-023a	844686.87	1545489.24	Phase I	6/17/2016	X	X	X						
CFMW-023a	844686.87	1545489.24	Phase I	6/18/2016								X (123-128)	
CFMW-025a	840914.89	1545217.96	Phase I	7/13/2016	X	X	X					X (35-40)	
CFMW-026	841222.78	1545199.46	Phase I	6/14/2016	X	X	X						
CFMW-027	842166.06	1545251.43	Phase I	6/30/2016	X	X	X						
CFMW-028a	843049.72	1544970.08	Phase I	6/30/2016	X	X	X	X (4.5-6)				X (48-53)	One additional oppurtunistic sample collected from CMFW-28a from a zone of visual impacts at 4.5-6' bls
CFMW-029	843463.41	1545108.04	Phase I	5/18/2016	X	X	X						
CFMW-032a	843973.33	1544744.54	Phase I	8/8/2016	X	X	X					X (43-48)	
CFMW-033	842408.02	1544545.11	Phase I	7/1/2016	X	X	X						
CFMW-034	843342.20	1544513.49	Phase I	5/31/2016	X	X	X						
CFMW-035	844447.32	1544499.01	Phase I	6/1/2016	X	X	X						
CFMW-037	844473.95	1543140.32	Phase I	6/24/2016	X	X	X						
CFMW-038	843981.36	1543075.14	Phase I	6/25/2016	X	X	X						
CFMW-038	843981.36	1543075.14	Phase I	6/25/2016									
CFMW-040	842863.26	1543076.82	Phase I	6/28/2016	X	X	X						
CFMW-040	842863.26	1543076.82	Phase I	6/28/2016									
CFMW-042	842383.65	1543285.83	Phase I	6/16/2016	X	X	X						
CFMW-043	842157.85	1544078.36	Phase I	6/15/2016	X	X	X						
CFMW-044a	841685.04	1543941.66	Phase I	7/20/2016	X	X	X					X (49-54)	
CFMW-045a	842554.02	1542768.56	Phase I	8/12/2016	X	X	X					X (86-91)	
CFMW-047	844332.71	1542470.13	Phase I	6/21/2016									
CFMW-047	844332.71	1542470.13	Phase I	6/21/2016	X	X	X						
CFMW-049a	844793.74	1542484.16	Phase I	8/20/2016	X	X	X					X (112-117)	
CFMW-050	844928.80	1542299.18	Phase I	6/22/2016	X	X	X						
CFMW-053a	841600.66	1542988.46	Phase I	8/17/2016	X	X	X					X (59-64)	
CFMW-054	841003.14	1542966.02	Phase I	6/20/2016	X	X	X						
CFMW-056a	839786.44	1544587.44	Phase I	7/15/2016	X	X	X					X (37-42)	
CFMW-057a	837685.97	1543631.67	Phase I	7/27/2016	X	X	X					X (30-35)	
CFMW-059a	837631.49	1542130.69	Phase I	7/22/2016	X	X	X					X (79-84)	
CFMW-061	843728.23	1541698.05	Phase I	7/12/2016	X	X	X						
CFMW-064	844717.84	1541616.87	Phase I	7/11/2016	X	X	X						
CFMW-11a	842455.03	1545990.30	Phase I	6/25/2016	X	X	X					X (31-36)	
CFSB-001	843205.84	1546803.70	Phase I	5/25/2016	X	X	X						
CFSB-002	843047.31	1546459.18	Phase I	5/25/2016	X	X	X						
CFSB-003	843895.37	1546443.91	Phase I	5/25/2016	X	X	X						
CFSB-004	843072.25	1545754.55	Phase I	5/25/2016	X	X	X						
CFSB-005	843905.58	1546186.27	Phase I	5/25/2016	X	X	X						
CFSB-006	844548.80	1546144.53	Phase I	5/23/2016	X	X	X						
CFSB-007	843559.29	1545592.35	Phase I	5/25/2016	X	X	X						

Table 1. Summary of Soil Samples Collected During Phase I SC, SSPA, and Phase II SC
Columbia Falls Aluminum Company, LLC, Phase II Site Characterization, 2000 Aluminum Drive, Columbia Falls, MT

Sample Location	Easting (X)	Northing (Y)	Phase	Date Completed	Surface (0 - 0.5 ft bls)	Shallow (0.5 - 2 ft bls)	Intermediate (6 - 8 ft bls)	Intermediate (10 - 12 ft bls)	Deep (15 - 17 ft bls)	Deep (20 - 22 ft bls)	Above Water Table (Interval Varies)	In Screened Interval (Interval Varies)	Notes
CFSB-008	844682.54	1545581.19	Phase I	5/23/2016	X	X	X						
CFSB-009	844886.09	1545311.44	Phase I	5/23/2016	X	X	X						
CFSB-010	843161.98	1544434.96	Phase I	5/21/2016		X	X						No surface sample collected -asphalt surface from 0-0.5 ft bls
CFSB-011	841399.95	1545858.89	Phase I	5/19/2016	X	X	X						
CFSB-012	843248.92	1544418.61	Phase I	5/28/2016		X	X						No surface sample collected -asphalt surface from 0-0.5 ft bls
CFSB-013	840897.69	1545559.95	Phase I	5/19/2016	X	X	X						
CFSB-014	841258.28	1545656.84	Phase I	6/2/2016	X	X	X						
CFSB-016	841311.72	1545344.76	Phase I	6/2/2016	X	X	X						
CFSB-019	841941.46	1545315.89	Phase I	6/4/2016	X	X							
CFSB-019	841941.46	1545315.89	Phase I	6/13/2016			X						
CFSB-021	842799.81	1545463.26	Phase I	5/23/2016	X	X	X						
CFSB-022	843009.31	1545293.81	Phase I	5/23/2016	X	X	X						
CFSB-025	843161.50	1545159.29	Phase I	6/13/2016	X	X	X						
CFSB-026	843035.50	1545136.26	Phase I	6/13/2016	X	X	X						
CFSB-027	842795.39	1545151.65	Phase I	6/13/2016	X	X	X						
CFSB-028	843019.83	1545034.17	Phase I	7/18/2016	X	X	X						
CFSB-029	843352.76	1545124.87	Phase I	5/23/2016	X	X	X						
CFSB-030	843221.14	1544965.85	Phase I	6/13/2016	X	X	X						
CFSB-033	843588.59	1545092.33	Phase I	5/23/2016	X	X	X						
CFSB-034	843907.89	1545184.54	Phase I	5/31/2016	X	X	X						
CFSB-035	844058.51	1545252.14	Phase I	5/31/2016	X	X	X						
CFSB-036	843974.73	1544997.71	Phase I	5/31/2016	X	X	X						
CFSB-037	844470.08	1544959.83	Phase I	5/31/2016	X	X	X						
CFSB-038	842231.41	1544880.21	Phase I	5/21/2016	X	X	X						
CFSB-040	842973.53	1544751.52	Phase I	5/20/2016	X	X	X						
CFSB-042	843235.15	1544830.13	Phase I	5/20/2016	X	X	X						
CFSB-044	843403.49	1544779.47	Phase I	5/20/2016	X	X	X						
CFSB-045	843197.15	1544671.44	Phase I	5/21/2016	X	X	X						
CFSB-046	843338.13	1544737.50	Phase I	5/20/2016	X	X	X						
CFSB-048	843529.47	1544715.16	Phase I	5/20/2016	X	X	X						
CFSB-049	843679.34	1544612.21	Phase I	5/28/2016		X	X						No surface sample collected -asphalt surface from 0-0.5 ft bls
CFSB-050	842672.20	1544607.65	Phase I	5/21/2016	X	X	X						
CFSB-051	842855.74	1544567.82	Phase I	5/21/2016	X	X	X						
CFSB-052	843204.13	1544560.41	Phase I	5/20/2016		X	X						No surface sample collected -concrete surface from 0-0.5 ft bls
CFSB-053	843242.24	1544360.35	Phase I	5/31/2016		X	X						No surface sample collected -asphalt surface from 0-0.5 ft bls
CFSB-054	843408.79	1544472.24	Phase I	5/28/2016	X	X	X						
CFSB-055	843592.76	1544466.89	Phase I	5/28/2016	X	X	X						
CFSB-057	843848.09	1544448.19	Phase I	5/28/2016	X	X	X						
CFSB-059	844128.78	1544426.08	Phase I	5/28/2016	X	X	X						
CFSB-060	844679.19	1544374.50	Phase I	5/27/2016	X	X	X						
CFSB-062	841909.12	1544232.42	Phase I	6/2/2016	X	X	X						
CFSB-064	841896.21	1544179.22	Phase I	6/3/2016	X	X	X						
CFSB-065	842037.98	1544132.50	Phase I	6/2/2016	X	X	X						
CFSB-066	844617.20	1543757.02	Phase I	5/27/2016	X	X	X						
CFSB-068	844589.99	1543546.76	Phase I	5/27/2016		X	X						No surface sample collected -asphalt surface from 0-0.5 ft bls
CFSB-071	844634.76	1543013.97	Phase I	5/27/2016	X	X	X						
CFSB-073	844220.27	1543061.90	Phase I	6/1/2016	X	X	X						
CFSB-074	844399.74	1543052.95	Phase I	6/1/2016	X	X	X						
CFSB-075	844091.68	1543003.33	Phase I	6/1/2016	X	X	X						
CFSB-079	843775.84	1543082.12	Phase I	6/1/2016	X	X	X						
CFSB-080	843683.78	1543107.19	Phase I	6/1/2016	X	X	X						
CFSB-082	843596.32	1543153.93	Phase I	6/1/2016	X	X	X						
CFSB-084	843209.03	1543114.88	Phase I	5/27/2016	X	X	X						
CFSB-086	843054.36	1543138.63	Phase I	5/26/2016	X	X	X						
CFSB-087	842968.75	1543151.57	Phase I	5/26/2016	X	X	X						
CFSB-088	842788.52	1543093.02	Phase I	5/26/2016	X	X	X						
CFSB-092	842704.36	1543083.23	Phase I	5/26/2016	X	X	X						
CFSB-094	842576.79	1543115.36	Phase I	5/24/2016	X	X	X						
CFSB-095	841962.14	1543084.28	Phase I	5/24/2016	X	X	X						
CFSB-097	841287.49	1543140.53	Phase I	5/24/2016	X	X	X						
CFSB-098	841237.57	1542976.95	Phase I	5/24/2016	X	X	X						
CFSB-099	840982.88	1543207.97	Phase I	5/24/2016	X	X	X						
CFSB-100	841122.12	1542949.96	Phase I	5/24/2016	X	X	X						
CFSB-101	842670.59	1542270.26	Phase I	7/21/2016	X	X	X						
CFSB-102	843366.27	1542051.23	Phase I	7/13/2016	X	X	X						
CFSB-104	843245.38	1541957.31	Phase I	7/13/2016	X	X	X						
CFSB-109	843467.01	1542036.18	Phase I	7/13/2016	X	X	X						
CFSB-110	843534.92	1541965.63	Phase I	7/13/2016	X	X	X						
CFSB-113	844149.01	1541857.64	Phase I	8/31/2016	X	X	X (2-4)						
CFSB-114	844105.21	1541634.30	Phase I	7/12/2016	X	X	X						
CFSB-115	844215.16	1541863.73	Phase I	8/31/2016	X	X	X (2-4)						
CFSB-116	845083.88	1541607.11	Phase I	7/22/2016	X	X	X						
CFSB-118	845391.49	1541584.99	Phase I	7/21/2016	X	X	X						
CFSB-119	845283.98	1541473.62	Phase I	7/12/2016	X	X	X						
CFSB-120	840683.27	1546594.25	Phase I	5/18/2016	X	X	X						
CFSB-121	840605.99	1544793.20	Phase I	5/18/2016	X	X	X						
CFSB-122	841159.22	1546590.87	Phase I	5/19/2016	X	X	X						
CFSB-123	839811.84	1545114.98	Phase I	5/19/2016	X	X	X						
CFSB-124	839278.34	1544762.17	Phase I	5/19/2016	X	X	X						
CFSB-125	840582.43	1545294.87	Phase I	5/18/2016	X	X	X						
CFSB-126	840588.06	1545744.27	Phase I	5/18/2016	X	X	X						
CFSB-127	840604.28	1546107.67	Phase I	5/18/2016	X	X	X						
CFSB-128	842932.85	1542765.98	Phase I	5/24/2016	X	X	X						
CFSB-129	844014.70	1542661.36	Phase I	5/24/2016	X	X	X						
CFSB-130	843470.27	1544292.16	Phase I	6/17/2016		X	X						Inside Main Plant. No surface sample collected - concrete from 0-0.5
CFSB-131	843548.00	1544287.30	Phase I	6/17/2016		X	X		X (18-20)	X (22-23)			Inside Main Plant. No surface sample collected - concrete from 0-0.5. Two oppurtunistic samples collected due to visual contamination. 18-20 ft bls as most impacted interval. 22-23 ft bls as below impacts.
CFSB-132	839762.00	1547500.04	Phase I	6/3/2016	X	X	X						
CFSB-133	839710.91	1547425.05	Phase I	6/3/2016	X	X	X						
CFSDP-001-SO	837525.45	1541509.03	Phase I	9/8/2016	X								
CFSDP-002-SO	839257.99	1542211.11	Phase I	9/8/2016	X								
CFSDP-007-SO	844305.37	1541438.21	Phase I	9/8/2016	X								
CFSDP-008-SO	846351.05	1541361.29	Phase I	9/8/2016	X								
CFSDP-009-SO	847170.07	1541851.91	Phase I	9/6/2016	X								
CFSDP-010-SO	845460.17	1544901.08	Phase I	9/6/2016	X								
CFSDP-011-SO	844369.27	1545890.71	Phase I	9/6/2016	X								
CFSDP-012-SO	843794.68	1546703.40	Phase I	9/6/2016	X								

Table 1. Summary of Soil Samples Collected During Phase I SC, SSPA, and Phase II SC
Columbia Falls Aluminum Company, LLC, Phase II Site Characterization, 2000 Aluminum Drive, Columbia Falls, MT

Sample Location	Easting (X)	Northing (Y)	Phase	Date Completed	Surface (0 - 0.5 ft bls)	Shallow (0.5 - 2 ft bls)	Intermediate (6 - 8 ft bls)	Intermediate (10 - 12 ft bls)	Deep (15 - 17 ft bls)	Deep (20 - 22 ft bls)	Above Water Table (Interval Varies)	In Screened Interval (Interval Varies)	Notes
CFSDP-013-SO	842695.06	1549176.20	Phase I	9/6/2016	X								
CFSDP-017-SO	847593.57	1541130.57	Phase I	9/8/2016	X								
CFSDP-021-SO	842096.08	1546929.68	Phase I	9/6/2016	X								
CFSDP-022-SO	841603.68	1546654.65	Phase I	9/6/2016	X								
CFTP-17	846444.02	1542712.96	Phase I	8/25/2016	X	X (2-4)	X						
CFTP-18	846210.84	1542533.71	Phase I	8/26/2016	X	X (2-4)	X						
CFTP-19	846188.98	1542300.54	Phase I	8/25/2016	X	X (2-4)	X						
CFTP-20	846525.63	1542189.77	Phase I	8/25/2016	X	X (2-4)	X						
CFTP-21	846745.69	1542347.16	Phase I	8/25/2016	X	X (2-4)	X						
CFTP-22	846745.69	1542557.02	Phase I	8/25/2016	X	X (2-4)	X						
CFTP-23	846471.71	1542472.50	Phase I	8/26/2016	X	X (2-4)	X						
CFSB-134	841179.65	1542598.14	South Pond Assessment	10/31/2017	X	X							
CFSB-135	841335.50	1542590.65	South Pond Assessment	10/31/2017	X	X							
CFSB-136	841477.88	1542552.68	South Pond Assessment	10/31/2017	X	X							
CFSB-137	841702.53	1542502.06	South Pond Assessment	11/1/2017	X	X							
CFSB-138	841875.39	1542497.27	South Pond Assessment	11/1/2017	X	X							
CFSB-139	841158.32	1542469.36	South Pond Assessment	10/31/2017	X	X							
CFSB-140	841400.89	1542442.99	South Pond Assessment	10/31/2017	X	X							
CFSB-141	841588.37	1542413.50	South Pond Assessment	11/1/2017	X	X							
CFSB-142	842536.78	1542204.64	South Pond Assessment	11/2/2017	X	X	X (2-4)						
CFSB-143	842741.38	1542195.14	South Pond Assessment	11/2/2017	X	X	X (2-4)						
CFSB-144	842949.15	1541966.28	South Pond Assessment	11/3/2017	X	X	X (2-4)						
CFSB-145	843336.22	1541833.39	South Pond Assessment	11/6/2017	X	X	X (2-4)						
CFSB-146	843899.42	1541801.75	South Pond Assessment	11/6/2017	X	X	X (2-4)						
CFSB-147	844459.45	1541576.05	South Pond Assessment	11/6/2017	X	X	X (2-4)						
CFSB-148	845002.61	1541530.70	South Pond Assessment	11/6/2017	X	X	X (2-4)						
CFSB-151	843968.12	1541941.11	South Pond Assessment	11/7/2017	X	X	X (2-4)						
CFSB-152	843113.95	1542080.70	South Pond Assessment	11/7/2017	X	X	X (2-4)						
CFSB-153	842908.39	1542172.37	South Pond Assessment	11/6/2017	X	X	X (2-4)						
CFBSB-001	842753.89	1537276.38	Background	9/25/2018	X								
CFBSB-002	843415.30	1537724.61	Background	9/25/2018	X								
CFBSB-003	843097.16	1537240.51	Background	9/25/2018	X								
CFBSB-004	842980.60	1537218.69	Background	9/25/2018	X								
CFBSB-005	843150.24	1537337.54	Background	9/25/2018	X								
CFBSB-006	842544.77	1537249.94	Background	9/25/2018	X								
CFBSB-007	843243.84	1537682.49	Background	9/25/2018	X								
CFBSB-008	843369.96	1537588.95	Background	9/25/2018	X								
CFBSB-009	843136.81	1537576.67	Background	9/25/2018	X								
CFBSB-010	843209.29	1537717.10	Background	9/25/2018	X								
CFBSB-011	823888.15	1525397.22	Background	9/28/2018	X								
CFBSB-012	823941.40	1525390.73	Background	9/28/2018	X								
CFBSB-013	823440.81	1525572.79	Background	9/28/2018	X								
CFBSB-014	822681.71	1527037.33	Background	9/28/2018	X								
CFBSB-015	823371.23	1525843.40	Background	9/28/2018	X								
CFBSB-016	822438.76	1526768.41	Background	9/28/2018	X								
CFBSB-017	822414.25	1526658.85	Background	9/28/2018	X								
CFBSB-018	822817.66	1527481.07	Background	9/28/2018	X								
CFBSB-019	823639.67	1525302.29	Background	9/28/2018	X								
CFBSB-020	823271.07	1526724.99	Background	9/28/2018	X								
CFBSB-021	858588.55	1569541.49	Background	9/26/2018	X								
CFBSB-022	858815.39	1568969.83	Background	9/26/2018	X								
CFBSB-023	859815.79	1568336.00	Background	9/26/2018	X								
CFBSB-024	859726.26	1568954.90	Background	9/26/2018	X								
CFBSB-025	859259.74	1568720.99	Background	9/26/2018	X								
CFBSB-026	858581.78	1568927.67	Background	9/26/2018	X								
CFBSB-027	858463.97	1569068.31	Background	9/26/2018	X								
CFBSB-028	859023.57	1568419.50	Background	9/26/2018	X								
CFBSB-029	859607.57	1569484.15	Background	9/26/2018	X								
CFBSB-030	859059.06	1569191.87	Background	9/26/2018	X								
CFBSB-031	848214.31	1538705.69	Background	9/27/2018	X								
CFBSB-032	848039.06	1538830.32	Background	9/27/2018	X								
CFBSB-033	848207.81	1539228.08	Background	9/27/2018	X								
CFBSB-034	848336.28	1538832.58	Background	9/27/2018	X								
CFBSB-035	848257.31	1539347.66	Background	9/27/2018	X								
CFBSB-036	847897.44	1538410.32	Background	9/27/2018	X								
CFBSB-037	848564.91	1539063.22	Background	9/27/2018	X								
CFBSB-038	847924.70	1538972.01	Background	9/27/2018	X								
CFBSB-039	847367.81	1538739.99	Background	9/27/2018	X								
CFBSB-040	847591.92	1538694.33	Background	9/27/2018	X								
CFISS-001	842971.87	1546149.96	Phase II	5/23/2018	X	X							
CFISS-003	842978.12	1545814.54	Phase II	5/22/2018	X	X							
CFISS-004	842915.62	1545635.38	Phase II	5/19/2018	X	X							
CFISS-005	843123.95	1545624.96	Phase II	5/22/2018	X	X							
CFISS-007	843655.20	1545556.21	Phase II	5/17/2018	X	X							
CFISS-009	842901.03	1545454.13	Phase II	5/21/2018	X	X							
CFISS-010	843119.78	1545452.04	Phase II	5/21/2018	X	X							
CFISS-011	843319.78	1545406.21	Phase II	5/19/2018	X	X							
CFISS-012	843534.37	1545395.79	Phase II	5/18/2018	X	X							
CFISS-013	843746.87	1545381.21	Phase II	5/17/2018	X	X							
CFISS-014	843951.03	1545366.63	Phase II	5/16/2018	X	X							
CFISS-015	844186.45	1545343.71	Phase II	5/15/2018	X	X							
CFLP-001	842078.01	1547798.66	Phase II	5/5/2018	X	X							
CFLP-002	841756.70	1547805.11	Phase II	5/5/2018	X	X							
CFLP-003	841900.28	1548016.31	Phase II	5/5/2018	X	X							
CFLP-004	841696.05	1548150.94	Phase II	5/5/2018	X	X							
CFLP-005	842252.22	1548236.10	Phase II	5/5/2018	X	X							
CFLP-006	842040.59	1548407.73	Phase II	5/5/2018	X	X							
CFLP-007	843236.65	1546094.46	Phase II	6/9/2018	X	X							
CFLP-008	843722.79	1546114.59	Phase II	6/9/2018	X	X							
CFLP-009	843529.76	1545965.97	Phase II	6/9/2018	X	X							
CFLP-010	843212.20	1545831.88	Phase II	6/9/2018	X	X							
CFLP-011	843758.29	1545816.98	Phase II	6/9/2018	X	X							
CFLP-012	843518.38	1545694.58	Phase II	6/9/2018	X	X							
CFLP-013	844120.72	1546024.35	Phase II	6/9/2018	X	X							
CFLP-014	844216.85	1545809.41	Phase II	6/9/2018	X	X							
CFLP-015	844265.52	1545929.46	Phase II	6/16/2018	X	X							
CFLP-016	843870.65	1546947.19	Phase II	6/16/2018	X	X							

Table 1. Summary of Soil Samples Collected During Phase I SC, SSPA, and Phase II SC
Columbia Falls Aluminum Company, LLC, Phase II Site Characterization, 2000 Aluminum Drive, Columbia Falls, MT

Sample Location	Easting (X)	Northing (Y)	Phase	Date Completed	Surface (0 - 0.5 ft bls)	Shallow (0.5 - 2 ft bls)	Intermediate (6 - 8 ft bls)	Intermediate (10 - 12 ft bls)	Deep (15 - 17 ft bls)	Deep (20 - 22 ft bls)	Above Water Table (Interval Varies)	In Screened Interval (Interval Varies)	Notes
CFLP-017	844008.44	1546809.39	Phase II	6/16/2018	X	X							
CFLP-018	844144.80	1546707.48	Phase II	6/16/2018	X	X							
CFMW-057b	837625.01	1543667.53	Phase II	5/7/2018							X (28-30)	X (35-37)	
CFMW-065	840306.44	1546253.84	Phase II	5/2/2018	X	X		X			X (25-27)	X (30-32)	
CFMW-066	842325.39	1548008.72	Phase II	4/30/2018	X	X		X			X (23-25)	X (27-29)	
CFMW-067	841766.67	1548412.29	Phase II	5/1/2018	X	X		X			X (23-25)	X (30-33)	
CFMW-068	839377.38	1542808.89	Phase II	5/10/2018	X	X		X			X (73-75)	X (78-80)	
CFMW-069	839190.13	1543836.37	Phase II	5/8/2018	X	X		X			X (43-45)	X (51-53)	
CFMW-070	843602.54	1544760.63	Phase II	5/16/2018	X	X		X			X (48-50)	X (55-57)	
CFMW-071	840266.87	1542936.88	Phase II	5/3/2018	X	X		X					
CFMW-071	840266.87	1542936.88	Phase II	5/5/2018							X (93-95)	X (98-100)	
CFSB-154	842971.41	1544110.44	Phase II	5/15/2018		X (0.5-2.5)	X (5.5-7.5)	X (10.5-12.5)					
CFSB-155	842936.69	1543565.30	Phase II	5/15/2018		X (0.5-2.5)	X (5.5-7.5)	X (10.5-12.5)					
CFSB-156	843276.97	1543513.22	Phase II	5/15/2018		X (0.5-2.5)	X (5.5-7.5)	X (10.5-12.5)					
CFSB-157	843832.52	1543440.30	Phase II	5/12/2018		X (0.5-2.5)	X (5.5-7.5)	X (10.5-12.5)					
CFSB-158	844104.64	1543393.49	Phase II	5/12/2018		X (0.5-2.5)	X (5.5-7.5)	X (10.5-12.5)					
CFSB-159	844506.72	1543432.32	Phase II	5/11/2018				X (12-14)	X (17-19)	X (22-24)			
CFSB-160	844540.07	1544055.71	Phase II	5/11/2018				X (12-14)	X (17-19)	X (22-24)			
CFSB-161	844150.65	1544066.27	Phase II	5/12/2018		X (0.5-2.5)	X (5.5-7.5)	X (12.5-14.5)					
CFSB-162	843832.52	1544113.91	Phase II	5/12/2018		X (0.5-2.5)	X (5.5-7.5)	X (10.5-12.5)					
CFSB-163	843568.63	1544047.94	Phase II	5/14/2018				X (12-14)	X (17-19)	X (23-25)			
CFSB-164	843572.11	1543940.30	Phase II	5/14/2018				X (12-14)	X (17-19)	X (22-24)			
CFSB-165	843401.97	1543961.14	Phase II	5/14/2018				X (12-14)	X (17-19)	X (23-25)			
CFSB-166	843404.20	1544104.67	Phase II	5/14/2018				X (12-14)	X (17-19)	X (22-24)			
CFSB-167	843342.94	1544127.80	Phase II	5/15/2018		X (1-3)	X		X				
CFSB-168	838293.61	1545486.58	Phase II	6/27/2018	X	X							
CFSB-168	838293.61	1545486.58	Phase II	9/27/2018	X	X							
CFSB-169	838754.73	1546131.02	Phase II	6/27/2018	X	X							
CFSB-170	839354.73	1546831.02	Phase II	6/27/2018	X	X							
CFSB-171	840810.28	1548545.61	Phase II	6/27/2018	X	X							
CFSB-172	841770.58	1549201.37	Phase II	6/27/2018	X	X							
CFSB-172	841770.58	1549201.37	Phase II	9/26/2018	X	X							
CFSB-173	843187.78	1548915.69	Phase II	6/25/2018	X	X							
CFSB-174	843414.59	1548449.62	Phase II	6/25/2018	X	X							
CFSB-175	843721.10	1548019.16	Phase II	6/25/2018	X	X							
CFSB-176	844041.95	1547551.11	Phase II	6/16/2018	X	X							
CFSB-177	844349.92	1547148.18	Phase II	6/25/2018	X	X							
CFSB-178	844490.86	1546911.66	Phase II	6/25/2018	X	X							
CFSB-179	844989.24	1546156.53	Phase II	6/25/2018	X	X							
CFSB-180	845152.43	1545837.08	Phase II	6/25/2018	X	X							
CFSB-181	845840.13	1544588.75	Phase II	6/26/2018	X	X							
CFSB-182	846078.54	1544221.52	Phase II	6/26/2018	X	X							
CFSB-183	846288.56	1543898.02	Phase II	6/26/2018	X	X							
CFSB-184	846497.81	1543575.71	Phase II	6/26/2018	X	X							
CFSB-185	846981.75	1543103.39	Phase II	6/26/2018	X	X							
CFSB-186	847183.33	1542545.51	Phase II	6/26/2018	X	X							
CFSB-187	847308.33	1542048.98	Phase II	6/27/2018	X	X							
CFSB-188	847293.59	1541586.07	Phase II	6/27/2018	X	X							
CFSB-189	845114.25	1544179.96	Phase II	6/27/2018	X	X							
CFSB-189	845114.25	1544179.96	Phase II	9/27/2018	X	X							
CFSB-190	845006.87	1542658.26	Phase II	6/27/2018	X	X							
CFSB-190	845006.87	1542658.26	Phase II	9/27/2018	X	X							
CFSB-191	841585.08	1547799.56	Phase II	6/22/2018	X	X							
CFSB-192	841813.62	1547616.89	Phase II	6/22/2018	X	X							
CFSB-193	841932.24	1548519.98	Phase II	6/27/2018	X	X							
CFSB-194	842124.40	1548690.79	Phase II	6/27/2018	X	X							
CFSB-195	842403.55	1548368.94	Phase II	6/27/2018	X	X							
CFSB-196	840795.67	1547439.35	Phase II	6/27/2018	X	X							
CFSB-196	840795.67	1547439.35	Phase II	9/27/2018	X	X							
CFSB-197	840898.50	1545672.80	Phase II	6/21/2018	X	X							
CFSB-198	841208.84	1545878.46	Phase II	6/21/2018	X	X							
CFSB-199	841704.65	1545428.56	Phase II	6/28/2018	X	X							
CFSB-200	841651.40	1545726.05	Phase II	6/28/2018	X	X							
CFSB-201	841052.75	1545713.19	Phase II	6/22/2018	X	X							
CFSB-202	841434.71	1545676.47	Phase II	6/22/2018	X	X							
CFSB-203	842532.84	1545178.82	Phase II	6/28/2018	X	X							
CFSB-204	841276.79	1545509.36	Phase II	6/22/2018	X	X							
CFSB-205	841957.95	1543271.52	Phase II	6/27/2018	X	X							
CFSB-205	841957.95	1543271.52	Phase II	9/26/2018	X	X							
CFSB-206	842022.96	1544008.32	Phase II	6/22/2018	X	X							
CFSB-207	843128.17	1542605.92	Phase II	4/28/2018	X	X							
CFSB-208	843758.44	1542454.37	Phase II	4/28/2018	X	X							
CFSB-209	845605.89	1544243.67	Phase II	6/26/2018	X	X							
CFSB-210	845756.54	1543849.86	Phase II	6/26/2018	X	X							
CFSB-211	845928.33	1543463.99	Phase II	6/26/2018	X	X							
CFSB-212	846634.01	1542993.54	Phase II	6/26/2018	X	X							
CFSB-213	842037.86	1544671.83	Phase II	6/22/2018	X	X							
CFSB-214	843395.38	1544940.65	Phase II	6/22/2018	X	X							
CFSB-215	838227.49	1544215.74	Phase II	6/21/2018	X	X							
CFSB-216	838914.76	1544655.35	Phase II	6/21/2018	X	X							
CFSB-217	840007.58	1544949.45	Phase II	6/21/2018	X	X							
CFSB-218	840386.16	1545793.99	Phase II	6/21/2018	X	X							
CFSB-219	843605.42	1547087.27	Phase II	6/16/2018	X	X							
CFSB-220	842769.51	1547189.98	Phase II	6/22/2018	X	X							
CFSB-221	842747.78	1546701.86	Phase II	5/7/2018	X	X							
CFSB-221A	842747.78	1546701.86	Phase II	6/28/2018	X		X (2.5-3.5)						
CFSB-222	842702.64	1545941.44	Phase II	5/7/2018	X	X							
CFSB-223	844222.47	1545077.26	Phase II	5/7/2018	X	X							
CFSB-224	844083.58	1545178.82	Phase II	5/7/2018	X	X							
CFSB-225	843734.63	1545138.89	Phase II	5/7/2018	X	X							
CFSB-226	843759.80	1545230.90	Phase II	5/7/2018	X	X							
CFSB-227	843806.67	1545297.74	Phase II	5/7/2018	X	X							
CFSB-228	843848.34	1545540.80	Phase II	5/7/2018	X	X							
CFSB-229	843691.22	1545359.38	Phase II	5/7/2018	X	X							
CFSB-230	843474.21	1545508.68	Phase II	5/7/2018	X	X							
CFSB-231	842386.83	1543193.54	Phase II	4/28/2018	X	X							
CFSB-232	842182.06	1542941.83	Phase II	4/28/2018	X	X							

Table 1. Summary of Soil Samples Collected During Phase I SC, SSPA, and Phase II SC
Columbia Falls Aluminum Company, LLC, Phase II Site Characterization, 2000 Aluminum Drive, Columbia Falls, MT

Sample Location	Easting (X)	Northing (Y)	Phase	Date Completed	Surface (0 - 0.5 ft bls)	Shallow (0.5 - 2 ft bls)	Intermediate (6 - 8 ft bls)	Intermediate (10 - 12 ft bls)	Deep (15 - 17 ft bls)	Deep (20 - 22 ft bls)	Above Water Table (Interval Varies)	In Screened Interval (Interval Varies)	Notes
CFSB-233	842498.53	1542714.34	Phase II	4/28/2018	X	X							
CFSB-234	844288.57	1542438.74	Phase II	4/28/2018	X	X							
CFSB-235	844701.88	1542765.66	Phase II	4/28/2018	X	X							
CFSB-236	844684.16	1543149.37	Phase II	4/28/2018	X	X							
CFSB-237	837530.50	1544002.61	Phase II	6/21/2018	X	X							
CFSB-238	837549.51	1542856.19	Phase II	6/27/2018	X	X							
CFSB-238	837549.51	1542856.19	Phase II	9/25/2018	X	X							
CFSB-238a	837549.51	1542856.19	Phase II	9/25/2018	X	X	X (3.5-4)						
CFSB-238	837549.51	1542856.19	Phase II			X							
CFSB-239	838440.57	1542869.78	Phase II	6/27/2018	X	X							
CFSB-239	838440.57	1542869.78	Phase II	9/27/2018	X	X							
CFSB-240	844845.33	1543227.15	Phase II	5/10/2018	X	X		X					
CFSB-241	842036.52	1545957.06	Phase II	5/5/2018	X	X		X					
CFSB-242	846084.59	1542111.58	Phase II	5/10/2018	X	X		X					
CFSB-243	845470.00	1542205.33	Phase II	5/10/2018	X	X		X					
CFSB-244	840525.56	1543691.44	Phase II	5/9/2018	X	X		X					
CFSB-245	840529.03	1544476.16	Phase II	5/8/2018	X	X		X					
CFSB-246	841334.59	1544486.58	Phase II	5/9/2018	X	X		X					
CFSB-247	841338.06	1543896.30	Phase II	5/9/2018	X	X		X					
CFSB-248	840859.49	1546634.44	Phase II	5/1/2018	X	X		X					
CFSB-249	841226.95	1547944.91	Phase II	5/1/2018	X	X		X					
CFSB-250	841518.20	1548026.20	Phase II	5/1/2018	X	X		X					
CFSB-251	841216.53	1547309.50	Phase II	5/1/2018	X	X		X					
CFSB-252	842178.34	1547639.36	Phase II	5/1/2018	X	X		X					
CFSB-253	842268.62	1548618.52	Phase II	5/1/2018	X	X		X					
CFSB-254	842518.62	1549340.75	Phase II	4/30/2018	X	X		X					
CFSB-255	842338.33	1549708.86	Phase II	4/30/2018	X	X		X					
CFSB-256	842185.75	1549310.99	Phase II	4/30/2018	X	X		X					
CFSB-257	842570.22	1548792.27	Phase II	4/30/2018	X	X		X					
CFSB-258	842921.49	1548047.83	Phase II	4/30/2018	X	X		X					
CFSB-259	843143.92	1547679.72	Phase II	4/30/2018	X	X		X					
CFSB-260	841781.28	1545888.41	Phase II	5/5/2018	X	X		X					
CFSB-261	842933.16	1546126.37	Phase II	5/2/2018	X	X		X					
CFSB-262	842978.97	1545625.23	Phase II	5/2/2018	X	X	X	X					
CFSB-263	843939.65	1545599.37	Phase II	5/2/2018	X	X	X	X					
CFSB-264	843967.24	1545929.89	Phase II	5/3/2018	X	X	X	X					
CFSB-265	844446.00	1545239.76	Phase II	5/3/2018	X	X	X	X					
CFSB-266	844872.87	1543673.86	Phase II	5/10/2018	X	X		X					
CFSB-267	846367.30	1541798.97	Phase II	5/10/2018	X	X		X					
CFSB-268	846730.03	1541739.26	Phase II	5/10/2018	X	X		X					
CFSB-269	847095.74	1541663.14	Phase II	5/9/2018	X	X		X					
CFSB-270	842982.46	1546210.44	Phase II	5/2/2018	X	X	X	X					
CFSB-271	843036.42	1546110.71	Phase II	5/2/2018	X	X		X					
CFSB-272	842048.80	1545280.08	Phase II	5/4/2018	X	X	X	X	X	X			
CFSB-272	842048.80	1545280.08	Phase II	6/28/2018	X	X							
CFSB-273	842937.13	1545142.48	Phase II	5/4/2018	X	X	X	X	X	X			
CFSB-273	842937.13	1545142.48	Phase II	6/22/2018	X	X							
CFSB-274	843072.53	1544490.82	Phase II	5/11/2018	X	X	X	X	X	X			
CFSB-274	843072.53	1544490.82	Phase II	9/28/2018	X	X							
CFSB-275	843056.38	1544695.18	Phase II	5/11/2018	X	X	X	X	X	X			
CFSB-275	843056.38	1544695.18	Phase II	9/28/2018	X	X							
CFSB-276	843171.01	1544836.92	Phase II	5/11/2018	X	X	X	X	X	X			
CFSB-276	843171.01	1544836.92	Phase II	9/28/2018	X	X							
CFSB-277	843636.12	1545120.47	Phase II	5/3/2018	X	X	X	X	X	X			
CFSB-278	843642.73	1544460.00	Phase II	5/11/2018	X	X	X	X	X	X			
CFSB-278	843642.73	1544460.00	Phase II	9/28/2018	X	X							
CFSB-279	841421.58	1545419.67	Phase II	5/8/2018	X	X	X	X	X				
CFSB-279	841421.58	1545419.67	Phase II	5/19/2018						X			
CFSB-279	841421.58	1545419.67	Phase II	6/22/2018	X	X							
CFSB-280	841083.23	1545499.38	Phase II	5/8/2018	X	X	X						
CFSB-280	841083.23	1545499.38	Phase II	5/19/2018				X	X	X			
CFSB-280	841083.23	1545499.38	Phase II	6/22/2018	X	X							
CFSB-281	843118.60	1545116.30	Phase II	5/4/2018	X	X	X	X	X	X			
CFSB-281	843118.60	1545116.30	Phase II	6/22/2018	X	X							
CFSB-282	845667.42	1544148.40	Phase II	6/16/2018	X								
CFSB-283	844875.26	1545127.69	Phase II	6/16/2018	X								
CFSB-284	843818.14	1546671.67	Phase II	6/16/2018	X								
CFSB-285	844399.88	1543754.85	Phase II	5/11/2018				X (12-14)	X (17-19)	X (22-24)			
CFSB-287	843433.45	1544293.28	Phase II	5/18/2018			X (8-10)	X (17-19)	X (20-22)	X (22-24)	X (30-32)	X (45-47)	
CFSB-288	842416.80	1544815.21	Phase II	6/28/2018	X	X							
CFSB-288	842416.80	1544815.21	Phase II	9/27/2018	X	X							
CFSB-289	844169.31	1544888.34	Phase II	6/28/2018	X	X							
CFSB-289	844169.31	1544888.34	Phase II	9/27/2018	X	X							
CFSB-290	843774.93	1545013.70	Phase II	6/28/2018	X	X							
CFSB-290	843774.93	1545013.70	Phase II	9/27/2018	X	X							
CFSB-291	843430.18	1545251.37	Phase II	6/22/2018	X	X							
CFSB-292	843686.13	1545491.66	Phase II	6/22/2018	X	X							
CFSB-293	844633.81	1542401.21	Phase II	9/27/2018	X	X							
CFSB-294	845038.46	1543079.48	Phase II	9/27/2018	X	X							

Table 2. Summary of Surface Water Samples Collected During Phase I SC, SSPA, and Phase II SC
Columbia Falls Aluminum Company, LLC, Phase II Site Characterization, 2000 Aluminum Drive, Columbia Falls, MT

Sample Location	Surface Water Feature	Easting (X)	Northing (Y)	Date Completed Phase I Round 1 (June and September 2016)	Date Completed Phase I Round 2 (December 2016)
CFBSWP-001	Background Cedar Creek	837900.33	1568977.64	NA	NA
CFBSWP-002	Background Cedar Creek	837914.39	1568728.14	NA	NA
CFBSWP-003	Background Cedar Creek	837199.42	1567714.99	NA	NA
CFBSWP-004	Background Cedar Creek	837160.27	1567516.26	NA	NA
CFBSWP-005	Background Cedar Creek	836771.10	1565706.60	NA	NA
CFBSWP-006	Background Cedar Creek	836485.46	1562550.88	NA	NA
CFBSWP-007	Background Cedar Creek	836674.91	1562940.08	NA	NA
CFBSWP-008	Background Cedar Creek	836693.23	1565124.42	NA	NA
CFBSWP-009	Background Cedar Creek	836119.52	1561081.31	NA	NA
CFBSWP-010	Background Cedar Creek	836194.11	1559647.27	NA	NA
CFBSWP-011	Background Flathead River	848894.13	1540910.75	NA	NA
CFBSWP-012	Background Flathead River	849088.99	1540906.02	NA	NA
CFBSWP-013	Background Flathead River	851253.95	1541450.19	NA	NA
CFBSWP-014	Background Flathead River	851303.56	1541475.00	NA	NA
CFBSWP-015	Background Flathead River	852904.66	1541934.06	NA	NA
CFBSWP-016	Background Flathead River	852799.48	1541632.60	NA	NA
CFBSWP-017	Background Flathead River	852014.98	1541297.74	NA	NA
CFBSWP-018	Background Flathead River	851223.90	1540843.06	NA	NA
CFBSWP-019	Background Flathead River	850789.67	1540593.90	NA	NA
CFBSWP-020	Background Flathead River	849590.54	1540522.51	NA	NA
CFSWP-001	Flathead River	837515.45	1541519.03	09/16/2016	12/2/2016
CFSWP-002	Flathead River	839247.99	1542221.11	09/16/2016	12/2/2016
CFSWP-003	Backwater Seep Area	841222.96	1542580.89	09/09/2016	12/1/2016
CFSWP-004	Backwater Seep Area	841519.71	1542511.20	09/09/2016	12/1/2016
CFSWP-005	Backwater Seep Area	841750.19	1542466.20	09/09/2016	12/1/2016
CFSWP-006	Flathead River	842669.31	1541366.40	09/09/2016	12/1/2016
CFSWP-007	Flathead River	844295.37	1541448.21	09/16/2016	12/2/2016
CFSWP-008	Flathead River	846341.05	1541371.29	09/16/2016	12/2/2016
CFSWP-009	Cedar Creek Reservoir Overflow	847178.77	1541832.83	06/07/2016	DRY

Table 2. Summary of Surface Water Samples Collected During Phase I SC, SSPA, and Phase II SC
Columbia Falls Aluminum Company, LLC, Phase II Site Characterization, 2000 Aluminum Drive, Columbia Falls, MT

Sample Location	Surface Water Feature	Easting (X)	Northing (Y)	Date Completed Phase I Round 1 (June and September 2016)	Date Completed Phase I Round 2 (December 2016)
CFSWP-010	Cedar Creek Reservoir Overflow	845470.80	1544890.45	06/07/2016	DRY
CFSWP-011	Cedar Creek Reservoir Overflow	844378.72	1545872.98	06/07/2016	DRY
CFSWP-012	Cedar Creek Reservoir Overflow	843804.14	1546685.67	06/07/2016	DRY
CFSWP-013	Cedar Creek Reservoir Overflow	842704.52	1549158.48	06/07/2016	11/30/2016
CFSWP-014	Cedar Creek	841853.84	1549436.43	08/29/2016	11/30/2016
CFSWP-014	Cedar Creek	841853.84	1549436.43	NA	NA
CFSWP-015	Cedar Creek	839775.37	1547339.70	08/29/2016	11/30/2016
CFSWP-015	Cedar Creek	839775.37	1547339.70	NA	12/20/2016
CFSWP-016	Cedar Creek	838518.65	1544961.51	08/29/2016	11/30/2016
CFSWP-017	Flathead River	847583.57	1541140.57	09/16/2016	12/2/2016
CFSWP-018	South Percolation Ponds	843337.27	1542057.38	06/06/2016	12/1/2016
CFSWP-019	South Percolation Ponds	843616.88	1542012.07	06/06/2016	12/1/2016
CFSWP-020	South Percolation Ponds	845138.85	1541609.45	06/06/2016	12/1/2016
CFSWP-021	Northern SW Feature	842086.08	1546939.68	06/06/2016	11/30/2016
CFSWP-022	Northern SW Feature	841593.68	1546664.65	06/06/2016	DRY
CFSWP-023	North-West Percolation Pond	841199.23	1545395.55	DRY	DRY
CFSWP-024	North-East Percolation Pond	843147.08	1545075.44	DRY	DRY
CFSWP-025	Cedar Creek	840154.83	1547870.91	NA	12/20/2016
CFSWP-026	Backwater Seep Area	840627.05	1542639.37	NA	NA
CFSWP-027	Backwater Seep Area	840831.27	1542631.94	NA	NA
CFSWP-028	Backwater Seep Area	841011.21	1542609.15	NA	NA
CFSWP-029	Riparian Sampling Area	841891.73	1542394.59	NA	NA
CFSWP-030	Riparian Sampling Area	842183.39	1542302.92	NA	NA
CFSWP-031	Riparian Sampling Area	842377.81	1542125.30	NA	NA
CFSWP-032	Riparian Sampling Area	842786.75	1542024.22	NA	NA
CFSWP-033	Riparian Sampling Area	842581.55	1541919.51	NA	NA
CFSWP-034	Flathead River	838755.33	1542204.72	NA	NA
CFSWP-035	Flathead River	840221.32	1542585.34	NA	NA
CFSWP-036	Flathead River	841701.78	1541632.78	NA	NA

Table 2. Summary of Surface Water Samples Collected During Phase I SC, SSPA, and Phase II SC
Columbia Falls Aluminum Company, LLC, Phase II Site Characterization, 2000 Aluminum Drive, Columbia Falls, MT

Sample Location	Surface Water Feature	Easting (X)	Northing (Y)	Date Completed Phase I Round 1 (June and September 2016)	Date Completed Phase I Round 2 (December 2016)
CFSWP-037	Flathead River	843692.96	1541455.91	NA	NA
CFSWP-038	Flathead River	844949.72	1541344.47	NA	NA
CFSWP-039	Cedar Creek Reservoir Overflow	846744.41	1542995.37	NA	NA
CFSWP-040	Cedar Creek Reservoir Overflow	845674.24	1544142.76	NA	NA
CFSWP-041	Cedar Creek Reservoir Overflow	844861.26	1545141.69	NA	NA
CFSWP-042	Cedar Creek Reservoir Overflow	842881.10	1548465.12	NA	NA
CFSWP-043	Cedar Creek Reservoir Overflow	842409.79	1549842.37	NA	NA
CFSWP-044	Cedar Creek	839826.05	1547513.38	NA	NA
CFSWP-044	Cedar Creek	839826.05	1547513.38	NA	NA
CFSWP-045	Cedar Creek	839713.94	1547188.30	NA	NA
CFSWP-045	Cedar Creek	839713.94	1547188.30	NA	NA
CFSWP-046	Northern SW Feature	842336.44	1547529.18	NA	NA
CFSWP-047	Northern SW Feature	842323.05	1547241.46	NA	NA
CFSWP-048	Northern SW Feature	841850.52	1546666.80	NA	NA
CFSWP-049	Northern SW Feature	841435.75	1546766.66	NA	NA
CFSWP-050	Northern SW Feature	842099.72	1546604.16	NA	NA
CFSWP-051	Northern SW Feature	841918.61	1546487.05	NA	NA
CFSWP-052	Northern SW Feature	841678.10	1546497.55	NA	NA
CFSWP-053	Northern SW Feature	841510.97	1546428.84	NA	NA
CFSWP-054	North-West Percolation Pond	841171.93	1545617.41	NA	NA
CFSWP-055	North-West Percolation Pond	841399.03	1545537.11	NA	NA
CFSWP-056	North-East Percolation Pond	842938.59	1545032.59	NA	NA
CFSWP-057	North-East Percolation Pond	842988.94	1545166.59	NA	NA
CFSWP-058	South Percolation Ponds	844786.32	1541684.00	NA	NA
CFSWP-059	South Percolation Ponds	844509.45	1541772.20	NA	NA
CFSWP-060	South Percolation Ponds	844219.81	1541855.86	NA	NA

Table 2. Summary of Surface Water Samples Collected During Phase I SC, SSPA, and Phase II SC
Columbia Falls Aluminum Company, LLC, Phase II Site Characterization, 2000 Aluminum Drive, Columbia Falls, MT

Sample Location	Surface Water Feature	Date Completed Phase I Round 3 (March and April 2017)	Date Completed Phase I Round 4 (June 2017)	Date Completed South Pond Assessment (October 2017)	Date Completed Phase II Round 1 (June 2018)
CFBSWP-001	Background Cedar Creek	NA	NA	NA	6/13/2018
CFBSWP-002	Background Cedar Creek	NA	NA	NA	6/13/2018
CFBSWP-003	Background Cedar Creek	NA	NA	NA	6/13/2018
CFBSWP-004	Background Cedar Creek	NA	NA	NA	6/13/2018
CFBSWP-005	Background Cedar Creek	NA	NA	NA	6/13/2018
CFBSWP-006	Background Cedar Creek	NA	NA	NA	6/12/2018
CFBSWP-007	Background Cedar Creek	NA	NA	NA	6/12/2018
CFBSWP-008	Background Cedar Creek	NA	NA	NA	6/13/2018
CFBSWP-009	Background Cedar Creek	NA	NA	NA	6/12/2018
CFBSWP-010	Background Cedar Creek	NA	NA	NA	6/12/2018
CFBSWP-011	Background Flathead River	NA	NA	NA	6/7/2018
CFBSWP-012	Background Flathead River	NA	NA	NA	6/7/2018
CFBSWP-013	Background Flathead River	NA	NA	NA	6/8/2018
CFBSWP-014	Background Flathead River	NA	NA	NA	6/8/2018
CFBSWP-015	Background Flathead River	NA	NA	NA	6/8/2018
CFBSWP-016	Background Flathead River	NA	NA	NA	6/7/2018
CFBSWP-017	Background Flathead River	NA	NA	NA	6/7/2018
CFBSWP-018	Background Flathead River	NA	NA	NA	6/7/2018
CFBSWP-019	Background Flathead River	NA	NA	NA	6/7/2018
CFBSWP-020	Background Flathead River	NA	NA	NA	6/7/2018
CFSWP-001	Flathead River	4/4/2017	6/14/2017	NA	6/7/2018
CFSWP-002	Flathead River	4/4/2017	6/14/2017	NA	6/7/2018
CFSWP-003	Backwater Seep Area	3/16/2017	6/14/2017	10/31/2017	6/6/2018
CFSWP-004	Backwater Seep Area	3/16/2017	6/14/2017	10/31/2017	6/6/2018
CFSWP-005	Backwater Seep Area	3/16/2017	6/14/2017	11/1/2017	6/6/2018
CFSWP-006	Flathead River	3/16/2017	6/14/2017	NA	6/6/2018
CFSWP-007	Flathead River	3/16/2017	6/14/2017	NA	6/7/2018
CFSWP-008	Flathead River	4/4/2017	6/14/2017	NA	6/7/2018
CFSWP-009	Cedar Creek Reservoir Overflow	4/3/2017	6/12/2017	NA	6/14/2018

Table 2. Summary of Surface Water Samples Collected During Phase I SC, SSPA, and Phase II SC
Columbia Falls Aluminum Company, LLC, Phase II Site Characterization, 2000 Aluminum Drive, Columbia Falls, MT

Sample Location	Surface Water Feature	Date Completed Phase I Round 3 (March and April 2017)	Date Completed Phase I Round 4 (June 2017)	Date Completed South Pond Assessment (October 2017)	Date Completed Phase II Round 1 (June 2018)
CFSWP-010	Cedar Creek Reservoir Overflow	3/15/2017	6/12/2017	NA	6/14/2018
CFSWP-011	Cedar Creek Reservoir Overflow	4/3/2017	6/12/2017	NA	6/14/2018
CFSWP-012	Cedar Creek Reservoir Overflow	4/3/2017	6/12/2017	NA	6/14/2018
CFSWP-013	Cedar Creek Reservoir Overflow	3/15/2017	6/12/2017	NA	6/14/2018
CFSWP-014	Cedar Creek	3/13/2017	6/13/2017	NA	6/11/2018
CFSWP-014	Cedar Creek	NA	NA	NA	NA
CFSWP-015	Cedar Creek	3/13/2017	6/13/2017	NA	6/11/2018
CFSWP-015	Cedar Creek	NA	NA	NA	NA
CFSWP-016	Cedar Creek	3/13/2017	6/12/2017	NA	6/12/2018
CFSWP-017	Flathead River	4/4/2017	6/14/2017	NA	6/7/2018
CFSWP-018	South Percolation Ponds	4/3/2017	6/15/2017	DRY	6/21/2018
CFSWP-019	South Percolation Ponds	4/3/2017	6/15/2017	11/7/2017	6/21/2018
CFSWP-020	South Percolation Ponds	3/16/2017	6/15/2017	11/7/2017	6/21/2018
CFSWP-021	Northern SW Feature	3/15/2017	6/15/2017	NA	6/19/2018
CFSWP-022	Northern SW Feature	4/3/2017	DRY	NA	6/20/2018
CFSWP-023	North-West Percolation Pond	4/3/2017	DRY	NA	DRY
CFSWP-024	North-East Percolation Pond	DRY	6/15/2017	NA	DRY
CFSWP-025	Cedar Creek	3/13/2017	6/13/2017	NA	6/12/2018
CFSWP-026	Backwater Seep Area	NA	NA	10/31/2017	6/7/2018
CFSWP-027	Backwater Seep Area	NA	NA	10/31/2017	6/6/2018
CFSWP-028	Backwater Seep Area	NA	NA	10/31/2017	6/6/2018
CFSWP-029	Riparian Sampling Area	NA	NA	11/1/2017	6/22/2018
CFSWP-030	Riparian Sampling Area	NA	NA	11/3/2017	6/22/2018
CFSWP-031	Riparian Sampling Area	NA	NA	11/3/2017	6/22/2018
CFSWP-032	Riparian Sampling Area	NA	NA	11/3/2017	6/22/2018
CFSWP-033	Riparian Sampling Area	NA	NA	11/3/2017	6/22/2018
CFSWP-034	Flathead River	NA	NA	NA	6/7/2018
CFSWP-035	Flathead River	NA	NA	NA	6/7/2018
CFSWP-036	Flathead River	NA	NA	NA	6/6/2018

Table 2. Summary of Surface Water Samples Collected During Phase I SC, SSPA, and Phase II SC
Columbia Falls Aluminum Company, LLC, Phase II Site Characterization, 2000 Aluminum Drive, Columbia Falls, MT

Sample Location	Surface Water Feature	Date Completed Phase I Round 3 (March and April 2017)	Date Completed Phase I Round 4 (June 2017)	Date Completed South Pond Assessment (October 2017)	Date Completed Phase II Round 1 (June 2018)
CFSWP-037	Flathead River	NA	NA	NA	6/6/2018
CFSWP-038	Flathead River	NA	NA	NA	6/7/2018
CFSWP-039	Cedar Creek Reservoir Overflow	NA	NA	NA	6/15/2018
CFSWP-040	Cedar Creek Reservoir Overflow	NA	NA	NA	6/15/2018
CFSWP-041	Cedar Creek Reservoir Overflow	NA	NA	NA	6/14/2018
CFSWP-042	Cedar Creek Reservoir Overflow	NA	NA	NA	6/14/2018
CFSWP-043	Cedar Creek Reservoir Overflow	NA	NA	NA	6/14/2018
CFSWP-044	Cedar Creek	NA	NA	NA	6/11/2018
CFSWP-044	Cedar Creek	NA	NA	NA	NA
CFSWP-045	Cedar Creek	NA	NA	NA	6/11/2018
CFSWP-045	Cedar Creek	NA	NA	NA	NA
CFSWP-046	Northern SW Feature	NA	NA	NA	6/19/2018
CFSWP-047	Northern SW Feature	NA	NA	NA	6/19/2018
CFSWP-048	Northern SW Feature	NA	NA	NA	6/20/2018
CFSWP-049	Northern SW Feature	NA	NA	NA	6/20/2018
CFSWP-050	Northern SW Feature	NA	NA	NA	6/21/2018
CFSWP-051	Northern SW Feature	NA	NA	NA	6/21/2018
CFSWP-052	Northern SW Feature	NA	NA	NA	6/18/2018
CFSWP-053	Northern SW Feature	NA	NA	NA	6/18/2018
CFSWP-054	North-West Percolation Pond	NA	NA	NA	DRY
CFSWP-055	North-West Percolation Pond	NA	NA	NA	DRY
CFSWP-056	North-East Percolation Pond	NA	NA	NA	DRY
CFSWP-057	North-East Percolation Pond	NA	NA	NA	DRY
CFSWP-058	South Percolation Ponds	NA	NA	NA	6/21/2018
CFSWP-059	South Percolation Ponds	NA	NA	NA	6/22/2018
CFSWP-060	South Percolation Ponds	NA	NA	NA	6/22/2018

Table 2. Summary of Surface Water Samples Collected During Phase I SC, SSPA, and Phase II SC
Columbia Falls Aluminum Company, LLC, Phase II Site Characterization, 2000 Aluminum Drive, Columbia Falls, MT

Sample Location	Surface Water Feature	Date Completed Phase II Round 2 (October 2018)
CFBSWP-001	Background Cedar Creek	10/15/2018
CFBSWP-002	Background Cedar Creek	10/15/2018
CFBSWP-003	Background Cedar Creek	10/15/2018
CFBSWP-004	Background Cedar Creek	10/12/2018
CFBSWP-005	Background Cedar Creek	10/15/2018
CFBSWP-006	Background Cedar Creek	10/12/2018
CFBSWP-007	Background Cedar Creek	10/12/2018
CFBSWP-008	Background Cedar Creek	10/15/2018
CFBSWP-009	Background Cedar Creek	10/12/2018
CFBSWP-010	Background Cedar Creek	10/12/2018
CFBSWP-011	Background Flathead River	10/2/2018
CFBSWP-012	Background Flathead River	10/2/2018
CFBSWP-013	Background Flathead River	10/2/2018
CFBSWP-014	Background Flathead River	10/2/2018
CFBSWP-015	Background Flathead River	10/2/2018
CFBSWP-016	Background Flathead River	10/2/2018
CFBSWP-017	Background Flathead River	10/2/2018
CFBSWP-018	Background Flathead River	10/2/2018
CFBSWP-019	Background Flathead River	10/2/2018
CFBSWP-020	Background Flathead River	10/2/2018
CFSWP-001	Flathead River	10/5/2018
CFSWP-002	Flathead River	10/5/2018
CFSWP-003	Backwater Seep Area	10/4/2018
CFSWP-004	Backwater Seep Area	10/4/2018
CFSWP-005	Backwater Seep Area	10/18/2018
CFSWP-006	Flathead River	10/4/2018
CFSWP-007	Flathead River	10/3/2018
CFSWP-008	Flathead River	10/3/2018
CFSWP-009	Cedar Creek Reservoir Overflow	DRY

Table 2. Summary of Surface Water Samples Collected During Phase I SC, SSPA, and Phase II SC
Columbia Falls Aluminum Company, LLC, Phase II Site Characterization, 2000 Aluminum Drive, Columbia Falls, MT

Sample Location	Surface Water Feature	Date Completed Phase II Round 2 (October 2018)
CFSWP-010	Cedar Creek Reservoir Overflow	DRY
CFSWP-011	Cedar Creek Reservoir Overflow	DRY
CFSWP-012	Cedar Creek Reservoir Overflow	DRY
CFSWP-013	Cedar Creek Reservoir Overflow	DRY
CFSWP-014	Cedar Creek	10/10/2018
CFSWP-014	Cedar Creek	10/16/2018
CFSWP-015	Cedar Creek	10/9/2018
CFSWP-015	Cedar Creek	10/16/2018
CFSWP-016	Cedar Creek	10/9/2018
CFSWP-017	Flathead River	10/3/2018
CFSWP-018	South Percolation Ponds	10/17/2018
CFSWP-019	South Percolation Ponds	10/16/2018
CFSWP-020	South Percolation Ponds	10/11/2018
CFSWP-021	Northern SW Feature	DRY
CFSWP-022	Northern SW Feature	DRY
CFSWP-023	North-West Percolation Pond	DRY
CFSWP-024	North-East Percolation Pond	DRY
CFSWP-025	Cedar Creek	10/10/2018
CFSWP-026	Backwater Seep Area	10/5/2018
CFSWP-027	Backwater Seep Area	10/5/2018
CFSWP-028	Backwater Seep Area	10/4/2018
CFSWP-029	Riparian Sampling Area	10/18/2018
CFSWP-030	Riparian Sampling Area	10/18/2018
CFSWP-031	Riparian Sampling Area	10/18/2018
CFSWP-032	Riparian Sampling Area	10/17/2018
CFSWP-033	Riparian Sampling Area	10/17/2018
CFSWP-034	Flathead River	10/5/2018
CFSWP-035	Flathead River	10/5/2018
CFSWP-036	Flathead River	10/4/2018

Table 2. Summary of Surface Water Samples Collected During Phase I SC, SSPA, and Phase II SC
Columbia Falls Aluminum Company, LLC, Phase II Site Characterization, 2000 Aluminum Drive, Columbia Falls, MT

Sample Location	Surface Water Feature	Date Completed Phase II Round 2 (October 2018)
CFSWP-037	Flathead River	10/3/2018
CFSWP-038	Flathead River	10/3/2018
CFSWP-039	Cedar Creek Reservoir Overflow	10/11/2018
CFSWP-040	Cedar Creek Reservoir Overflow	DRY
CFSWP-041	Cedar Creek Reservoir Overflow	DRY
CFSWP-042	Cedar Creek Reservoir Overflow	DRY
CFSWP-043	Cedar Creek Reservoir Overflow	DRY
CFSWP-044	Cedar Creek	10/10/2018
CFSWP-044	Cedar Creek	10/16/2018
CFSWP-045	Cedar Creek	10/9/2018
CFSWP-045	Cedar Creek	10/16/2018
CFSWP-046	Northern SW Feature	DRY
CFSWP-047	Northern SW Feature	DRY
CFSWP-048	Northern SW Feature	DRY
CFSWP-049	Northern SW Feature	DRY
CFSWP-050	Northern SW Feature	DRY
CFSWP-051	Northern SW Feature	DRY
CFSWP-052	Northern SW Feature	DRY
CFSWP-053	Northern SW Feature	DRY
CFSWP-054	North-West Percolation Pond	DRY
CFSWP-055	North-West Percolation Pond	DRY
CFSWP-056	North-East Percolation Pond	DRY
CFSWP-057	North-East Percolation Pond	DRY
CFSWP-058	South Percolation Ponds	10/11/2018
CFSWP-059	South Percolation Ponds	10/11/2018
CFSWP-060	South Percolation Ponds	10/16/2018

Table 3. Summary of Sediment Samples Collected During Phase I SC, SSPA, and Phase II SC
Columbia Falls Aluminum Company, LLC, Phase II Site Characterization, 2000 Aluminum Drive, Columbia Falls, MT

Proposed Location ID	Field Sample ID	Sample Type	Surface Water Feature	Easting (X)	Northing (Y)	Date Completed Phase I (September 2016)	Date Completed South Pond Assessment (October 2017)	Date Completed Phase II (June and October 2018
CFBSWP-001	CFBSDP-001	Background Sediment	Background Cedar Creek	837900.33	1568977.64	NA	NA	10/15/2018
CFBSWP-002	CFBSDP-002	Background Sediment	Background Cedar Creek	837914.39	1568728.14	NA	NA	10/15/2018
CFBSWP-003	CFBSDP-003	Background Sediment	Background Cedar Creek	837199.42	1567714.99	NA	NA	10/15/2018
CFBSWP-004	CFBSDP-004	Background Sediment	Background Cedar Creek	837160.27	1567516.26	NA	NA	10/12/2018
CFBSWP-005	CFBSDP-005	Background Sediment	Background Cedar Creek	836771.10	1565706.60	NA	NA	10/15/2018
CFBSWP-006	CFBSDP-006	Background Sediment	Background Cedar Creek	836485.46	1562550.88	NA	NA	10/12/2018
CFBSWP-007	CFBSDP-007	Background Sediment	Background Cedar Creek	836674.91	1562940.08	NA	NA	10/12/2018
CFBSWP-008	CFBSDP-008	Background Sediment	Background Cedar Creek	836693.23	1565124.42	NA	NA	10/15/2018
CFBSWP-009	CFBSDP-009	Background Sediment	Background Cedar Creek	836119.52	1561081.31	NA	NA	10/12/2018
CFBSWP-010	CFBSDP-010	Background Sediment	Background Cedar Creek	836194.11	1559647.27	NA	NA	10/12/2018
CFBSWP-011	CFBSDP-011	Background Sediment	Background Flathead River	848894.13	1540910.75	NA	NA	10/2/2018
CFBSWP-012	CFBSDP-012	Background Sediment	Background Flathead River	849088.99	1540906.02	NA	NA	10/2/2018
CFBSWP-013	CFBSDP-013	Background Sediment	Background Flathead River	851253.95	1541450.19	NA	NA	10/2/2018
CFBSWP-014	CFBSDP-014	Background Sediment	Background Flathead River	851303.56	1541475.00	NA	NA	10/2/2018
CFBSWP-015	CFBSDP-015	Background Sediment	Background Flathead River	852904.66	1541934.06	NA	NA	10/2/2018
CFBSWP-016	CFBSDP-016	Background Sediment	Background Flathead River	852799.48	1541632.60	NA	NA	10/2/2018
CFBSWP-017	CFBSDP-017	Background Sediment	Background Flathead River	852014.98	1541297.74	NA	NA	10/2/2018
CFBSWP-018	CFBSDP-018	Background Sediment	Background Flathead River	851223.90	1540843.06	NA	NA	10/2/2018
CFBSWP-019	CFBSDP-019	Background Sediment	Background Flathead River	850789.67	1540593.90	NA	NA	10/2/2018
CFBSWP-020	CFBSDP-020	Background Sediment	Background Flathead River	849590.54	1540522.51	NA	NA	10/2/2018
CFSWP-001	CFSDP-001	Sediment	Flathead River	837515.45	1541519.03	NA	NA	10/5/2018
CFSWP-002	CFSDP-002	Sediment	Flathead River	839247.99	1542221.11	NA	NA	10/5/2018
CFSWP-003	CFSDP-003	Sediment	Backwater Seep Area	841222.96	1542580.89	9/9/2016	10/31/2017	10/4/2018
CFSWP-004	CFSDP-004	Sediment	Backwater Seep Area	841519.71	1542511.20	9/9/2016	10/31/2017	10/4/2018
CFSWP-005	CFSDP-005	Sediment	Backwater Seep Area	841750.19	1542466.20	9/9/2016	11/1/2017	10/18/2018
CFSWP-006	CFSDP-006	Sediment	Flathead River	842669.31	1541366.40	9/9/2016	NA	10/4/2018
CFSWP-007	CFSDP-007	Sediment	Flathead River	844295.37	1541448.21	NA	NA	10/3/2018
CFSWP-008	CFSDP-008	Sediment	Flathead River	846341.05	1541371.29	NA	NA	10/3/2018
CFSWP-014	CFSDP-014	Sediment	Cedar Creek	841853.84	1549436.43	8/29/2016	NA	10/10/2018
CFSWP-015	CFSDP-015	Sediment	Cedar Creek	839775.37	1547339.70	8/29/2016	NA	10/9/2018
CFSWP-016	CFSDP-016	Sediment	Cedar Creek	838518.65	1544961.51	8/29/2016	NA	10/9/2018
CFSWP-017	CFSDP-017	Sediment	Flathead River	847583.57	1541140.57	NA	NA	10/3/2018
CFSWP-018	CFSDP-018	Sediment	South Percolation Ponds	843337.27	1542057.38	9/7/2016	11/7/2017	10/17/2018
CFSWP-019	CFSDP-019	Sediment	South Percolation Ponds	843616.88	1542012.07	9/7/2016	11/7/2017	10/16/2018
CFSWP-020	CFSDP-020	Sediment	South Percolation Ponds	845138.85	1541609.45	9/7/2016	11/7/2017	10/11/2018
CFSWP-021	CFSDP-021	Sediment	Northern Surface Water Feature	842086.08	1546939.68	NA	NA	6/19/2018
CFSWP-022	CFSDP-022	Sediment	Northern Surface Water Feature	841593.68	1546664.65	NA	NA	6/20/2018
CFSWP-023	CFSDP-023	Sediment	North-West Percolation Pond	841199.23	1545395.55	9/7/2016	NA	NA
CFSWP-024	CFSDP-024	Sediment	North-East Percolation Pond	843147.08	1545075.44	9/7/2016	NA	NA
CFSWP-025	CFSDP-025	Sediment	Cedar Creek	840154.83	1547870.91	NA	NA	10/10/2018
CFSWP-026	CFSDP-026	Sediment	Backwater Seep Area	840627.05	1542639.37	NA	10/31/2017	10/5/2018
CFSWP-027	CFSDP-027	Sediment	Backwater Seep Area	840831.27	1542631.94	NA	10/31/2017	10/5/2018
CFSWP-028	CFSDP-028	Sediment	Backwater Seep Area	841011.21	1542609.15	NA	10/31/2017	10/4/2018
CFSWP-029	CFSDP-029	Sediment	Riparian Sampling Area	841891.73	1542394.59	NA	11/1/2017	10/18/2018
CFSWP-030	CFSDP-030	Sediment	Riparian Sampling Area	842183.39	1542302.92	NA	11/3/2017	10/18/2018
CFSWP-031	CFSDP-031	Sediment	Riparian Sampling Area	842377.81	1542125.30	NA	11/3/2017	10/18/2018
CFSWP-032	CFSDP-032	Sediment	Riparian Sampling Area	842786.75	1542024.22	NA	11/3/2017	10/17/2018
CFSWP-033	CFSDP-033	Sediment	Riparian Sampling Area	842581.55	1541919.51	NA	11/3/2017	10/17/2018
CFSWP-034	CFSDP-034	Sediment	Flathead River	838755.33	1542204.72	NA	NA	10/5/2018
CFSWP-035	CFSDP-035	Sediment	Flathead River	840221.32	1542585.34	NA	NA	10/5/2018
CFSWP-036	CFSDP-036	Sediment	Flathead River	841701.78	1541632.78	NA	NA	10/4/2018
CFSWP-037	CFSDP-037	Sediment	Flathead River	843692.96	1541455.91	NA	NA	10/3/2018
CFSWP-038	CFSDP-038	Sediment	Flathead River	844949.72	1541344.47	NA	NA	10/3/2018
CFSWP-044	CFSDP-044	Sediment	Cedar Creek	839826.05	1547513.38	NA	NA	10/10/2018
CFSWP-045	CFSDP-045	Sediment	Cedar Creek	839713.94	1547188.30	NA	NA	10/9/2018
CFSWP-046	CFSDP-046	Sediment	Northern Surface Water Feature	842336.44	1547529.18	NA	NA	6/19/2018
CFSWP-047	CFSDP-047	Sediment	Northern Surface Water Feature	842323.05	1547241.46	NA	NA	6/19/2018
CFSWP-048	CFSDP-048	Sediment	Northern Surface Water Feature	841850.52	1546666.80	NA	NA	6/20/2018
CFSWP-049	CFSDP-049	Sediment	Northern Surface Water Feature	841435.75	1546766.66	NA	NA	6/20/2018
CFSWP-050	CFSDP-050	Sediment	Northern Surface Water Feature	842099.72	1546604.16	NA	NA	6/21/2018
CFSWP-051	CFSDP-051	Sediment	Northern Surface Water Feature	841918.61	1546487.05	NA	NA	6/21/2018
CFSWP-052	CFSDP-052	Sediment	Northern Surface Water Feature	841678.10	1546497.55	NA	NA	6/18/2018
CFSWP-053	CFSDP-053	Sediment	Northern Surface Water Feature	841510.97	1546428.84	NA	NA	6/18/2018
CFSWP-058	CFSDP-058	Sediment	South Percolation Ponds	844786.32	1541684.00	NA	NA	10/11/2018
CFSWP-059	CFSDP-059	Sediment	South Percolation Ponds	844509.45	1541772.20	NA	NA	10/11/2018
CFSWP-060	CFSDP-060	Sediment	South Percolation Ponds	844219.81	1541855.86	NA	NA	10/16/2018
CFSB-149	CFSB-149	Sediment	South Percolation Ponds	844812.32	1541682.00	NA	11/7/2017	NA
CFSB-150	CFSB-150	Sediment	South Percolation Ponds	844535.45	1541770.20	NA	11/7/2017	NA

Table 4. Monitoring Well Construction Data - Screened Intervals and Survey Data
Columbia Falls Aluminum Company, LLC, Phase II Site Characterization, 2000 Aluminum Drive, Columbia Falls, MT

Sample Location	Previous Well ID	Location Type	Unit	Closest Site Feature	Date Surveyed	Surveyor	Northing (Y)	Easting (X)	Top of Casing Elevation (ft-amsl)
CFMW-001	W2-CFMW1	Existing Monitoring Well	Upper Unit	Industrial Landfill	8/1/2016	Sands	1549228.859	842170.366	3173.783
CFMW-002	--	Phase I Monitoring Well	Upper Unit	Drum Storage Area	7/6/2016	Sands	1546021.158	843027.354	3145.580
CFMW-003	--	Phase I Monitoring Well	Upper Unit	Industrial Landfill	7/6/2016	Sands	1547594.617	841640.301	3144.950
CFMW-003a	--	Phase I Monitoring Well	Below Upper Unit	Industrial Landfill	7/6/2016	Sands	1547603.170	841647.493	3145.570
CFMW-007	TW3	Existing Monitoring Well	Upper Unit	West Landfill	8/1/2016	Sands	1546426.597	843029.760	3149.199
CFMW-008	TW9	Existing Monitoring Well	Upper Unit	Sanitary Landfill	7/6/2016	Sands	1546564.756	844032.614	3192.970
CFMW-008a	--	Phase I Monitoring Well	Upper Unit	Sanitary Landfill	7/6/2016	Sands	1546575.278	844043.577	3196.440
CFMW-010	--	Phase I Monitoring Well	Upper Unit	Drum Storage Area	7/6/2016	Sands	1546115.479	842986.314	3147.060
CFMW-011	--	Phase I Monitoring Well	Upper Unit	Drum Storage Area	7/6/2016	Sands	1545989.982	842462.741	3103.410
CFMW-011a	--	Phase I Monitoring Well	Below Upper Unit	Drum Storage Area	7/6/2016	Sands	1545990.300	842455.026	3103.650
CFMW-012	W11-TW17	Existing Monitoring Well	Upper Unit	Wet Scrubber Sludge Pond	7/6/2016	Sands	1545999.738	843116.466	3142.480
CFMW-012a	--	Phase I Monitoring Well	Below Upper Unit	Wet Scrubber Sludge Pond	7/6/2016	Sands	1545978.652	843111.473	3142.760
CFMW-014	W3-TW20	Existing Monitoring Well	Upper Unit	Drum Storage Area	8/1/2016	Sands	1545822.378	842858.322	3142.310
CFMW-015	W4-TW21	Existing Monitoring Well	Upper Unit	Wet Scrubber Sludge Pond	8/1/2016	Sands	1545790.290	843070.037	3140.650
CFMW-016	--	Phase I Monitoring Well	Upper Unit	Center Landfill	7/6/2016	Sands	1545847.943	843955.534	3166.590
CFMW-016a	--	Phase I Monitoring Well	Upper Unit	Center Landfill	7/6/2016	Sands	1545856.544	843955.402	3167.110
CFMW-017	TW14	Existing Monitoring Well	Upper Unit	Center Landfill	8/1/2016	Sands	1545913.137	844140.867	3210.569
CFMW-018	--	Phase I Monitoring Well	Upper Unit	East Landfill	7/6/2016	Sands	1545750.745	844586.938	3212.810
CFMW-019	W5-TW15	Existing Monitoring Well	Upper Unit	Wet Scrubber Sludge Pond	8/1/2016	Sands	1545555.121	843277.960	3137.810
CFMW-019a	--	Phase I Monitoring Well	Below Upper Unit	Wet Scrubber Sludge Pond	7/6/2016	Sands	1545565.436	843291.647	3138.980
CFMW-020	TW8	Existing Monitoring Well	Upper Unit	Wet Scrubber Sludge Pond	8/1/2016	Sands	1545748.365	844071.614	3168.737
CFMW-021	W6-TW18	Existing Monitoring Well	Upper Unit	Wet Scrubber Sludge Pond	8/1/2016	Sands	1545558.392	843505.246	3138.155
CFMW-022	--	Phase I Monitoring Well	Upper Unit	East Landfill	7/6/2016	Sands	1545314.578	843942.176	3137.320
CFMW-023	TW10	Existing Monitoring Well	Upper Unit	South Leachate Pond	8/1/2016	Sands	1545521.210	844694.956	3209.982
CFMW-025	TW23	Existing Monitoring Well	Upper Unit	North-West Percolation Pond	8/1/2016	Sands	1545240.341	840912.165	3103.541
CFMW-025a	--	Phase I Monitoring Well	Below Upper Unit	North-West Percolation Pond	8/1/2016	Sands	1545217.964	840914.892	3104.198
CFMW-025b	W10-TW22	Existing Monitoring Well	Upper Unit	Norht-West Percolation Pond	7/6/2016	Sands	1545233.747	840916.756	3103.660
CFMW-026	--	Phase I Monitoring Well	Upper Unit	North-West Percolation Pond	7/6/2016	Sands	1545199.463	841222.779	3104.260
CFMW-027	--	Phase I Monitoring Well	Upper Unit	Overflow Ditch	7/6/2016	Sands	1545251.431	842166.064	3097.110
CFMW-028	--	Phase I Monitoring Well	Upper Unit	North-East Percolation Pond	8/1/2016	Sands	1544970.966	843041.414	3108.699
CFMW-028a	--	Phase I Monitoring Well	Upper Unit	North-East Percolation Pond	8/1/2016	Sands	1544970.077	843049.717	3108.660
CFMW-029	--	Phase I Monitoring Well	Upper Unit	North-East Percolation Pond	7/6/2016	Sands	1545108.045	843463.411	3133.040
CFMW-031	W0-CFMW2	Existing Monitoring Well	Upper Unit	North-East Percolation Pond	8/1/2016	Sands	1544867.601	842797.671	3109.490
CFMW-032	--	Phase I Monitoring Well	Upper Unit	Raw Materials Loading/ Unloading	8/29/2016	Sands	1544745.320	843964.007	3116.578
CFMW-032a	--	Phase I Monitoring Well	Below Upper Unit	Raw Materials Loading/ Unloading	8/29/2016	Sands	1544744.536	843973.334	3116.805
CFMW-033	--	Phase I Monitoring Well	Upper Unit	Paste Plant	7/6/2016	Sands	1544545.111	842408.017	3110.640

Table 4. Monitoring Well Construction Data - Screened Intervals and Survey Data
Columbia Falls Aluminum Company, LLC, Phase II Site Characterization, 2000 Aluminum Drive, Columbia Falls, MT

Sample Location	Previous Well ID	Location Type	Unit	Closest Site Feature	Date Surveyed	Surveyor	Northing (Y)	Easting (X)	Top of Casing Elevation (ft-amsl)
CFMW-034	--	Phase I Monitoring Well	Upper Unit	Fueling Area	7/6/2016	Sands	1544513.493	843342.204	3109.990
CFMW-035	--	Phase I Monitoring Well	Upper Unit	Main Plant Area	7/6/2016	Sands	1544499.012	844447.319	3109.920
CFMW-036	W1-PW7	Existing Former Production Well	Production Well	South Percolation Ponds	EPA Report	EPA Report	1541629.329	843914.647	3021.600
CFMW-037	--	Phase I Monitoring Well	Upper Unit	Main Plant Area	7/6/2016	Sands	1543140.324	844473.946	3113.640
CFMW-038	--	Phase I Monitoring Well	Upper Unit	Rectifier Yards	7/6/2016	Sands	1543075.138	843981.359	3113.770
CFMW-040	--	Phase I Monitoring Well	Upper Unit	Rectifier Yards	7/6/2016	Sands	1543076.822	842863.264	3113.720
CFMW-042	--	Phase I Monitoring Well	Upper Unit	Main Plant Area	7/6/2016	Sands	1543285.825	842383.655	3110.340
CFMW-043	--	Phase I Monitoring Well	Upper Unit	West Percolation Pond	7/6/2016	Sands	1544078.364	842157.850	3109.910
CFMW-044	W8-TW2	Existing Monitoring Well	Upper Unit	West Percolation Pond	8/1/2016	Sands	1543941.726	841700.388	3108.093
CFMW-044a	--	Phase I Monitoring Well	Upper Unit	West Percolation Pond	8/1/2016	Sands	1543941.659	841685.038	3108.716
CFMW-044b	TW1	Existing Monitoring Well	Below Upper Unit	Main Plant Area	8/1/2016	Sands	1543937.612	841699.554	3107.979
CFMW-045	--	Phase I Monitoring Well	Upper Unit	Rectifier Yards	8/29/2016	Sands	1542768.892	842543.665	3113.750
CFMW-045a	--	Phase I Monitoring Well	Upper Unit	Rectifier Yards	8/29/2016	Sands	1542768.562	842554.018	3113.934
CFMW-047	--	Phase I Monitoring Well	Upper Unit	Rectifier Yards	7/6/2016	Sands	1542470.126	844332.708	3117.180
CFMW-048	PW3	Existing Former Production Well	Production Well	Rectifier yards	EPA Report	EPA Report	1542485.180	844497.403	3106.850
CFMW-049	W7-TW19	Existing Monitoring Well	Upper Unit	Rectifier yards	8/1/2016	Sands	1542470.637	844793.481	3122.693
CFMW-049a	--	Phase I Monitoring Well	Upper Unit	Rectifier Yards	8/29/2016	Sands	1542484.164	844793.737	3122.691
CFMW-050	--	Phase I Monitoring Well	Upper Unit	Main Plant Area	7/6/2016	Sands	1542299.178	844928.802	3123.120
CFMW-051	W9-PW5	Existing Former Production Well	Production Well	South Percolation Ponds	EPA Report	EPA Report	1542149.083	845500.048	3123.250
CFMW-052	PW4	Existing Former Production Well	Production Well	South Percolation Ponds	EPA Report	EPA Report	1542121.449	846201.695	3139.470
CFMW-053	TW16	Existing Monitoring Well	Upper Unit	Rod Mill	8/1/2016	Sands	1542974.491	841601.392	3111.227
CFMW-053a	--	Phase I Monitoring Well	Below Upper Unit	Rod Mill	8/29/2016	Sands	1542988.456	841600.660	3112.061
CFMW-054	--	Phase I Monitoring Well	Upper Unit	Rod Mill	7/6/2016	Sands	1542966.021	841003.141	3112.670
CFMW-056	TW11	Existing Monitoring Well	Below Upper Unit	Aluminum City	8/1/2016	Sands	1544572.964	839789.319	3101.349
CFMW-056a	--	Phase I Monitoring Well	Below Upper Unit	Aluminum City	8/1/2016	Sands	1544587.443	839786.440	3101.079
CFMW-056b	--	Phase I Monitoring Well	Upper Unit	Aluminum City	8/1/2016	Sands	1544590.852	839778.849	3101.199
CFMW-057	TW12	Existing Monitoring Well	Below Upper Unit	Aluminum City	8/1/2016	Sands	1543626.421	837706.038	3094.937
CFMW-057a	--	Phase I Monitoring Well	Below Upper Unit	Aluminum City	8/29/2016	Sands	1543635.868	837689.701	3094.774
CFMW-057b		Phase II Monitoring Well	Upper Unit	Aluminum City	5/22/2018	Sands	1543667.532	837625.006	3094.242
CFMW-059	--	Phase I Monitoring Well	Upper Unit	Aluminum City	8/1/2016	Sands	1542120.760	837611.730	3119.421
CFMW-059a	--	Phase I Monitoring Well	Below Upper Unit	Aluminum City	8/1/2016	Sands	1542123.943	837619.424	3119.178
CFMW-061	--	Phase I Monitoring Well	Upper Unit	South Percolation Ponds	8/1/2016	Sands	1541698.045	843728.230	3027.378
CFMW-062	PW6	Existing Former Production Well	Production Well	South Percolation Ponds	EPA Report	EPA Report	1541841.609	843927.216	3021.600
CFMW-064	--	Phase I Monitoring Well	Upper Unit	South Percolation Ponds	8/29/2016	Sands	1541612.776	844718.875	3029.141
CFMW-065	--	Phase II Monitoring Well	Upper Unit	Western Undeveloped Area	5/22/2018	Sands	1546255.406	840320.1463	3106.2737
CFMW-066	--	Phase II Monitoring Well	Upper Unit	Industrial Landfill	5/22/2018	Sands	1548012.807	842286.8283	3162.4797

Table 4. Monitoring Well Construction Data - Screened Intervals and Survey Data
Columbia Falls Aluminum Company, LLC, Phase II Site Characterization, 2000 Aluminum Drive, Columbia Falls, MT

Sample Location	Previous Well ID	Location Type	Unit	Closest Site Feature	Date Surveyed	Surveyor	Northing (Y)	Easting (X)	Top of Casing Elevation (ft-amsl)
CFMW-067	--	Phase II Monitoring Well	Upper Unit	Industrial Landfill	5/22/2018	Sands	1548411.563	841767.2023	3166.9387
CFMW-068	--	Phase II Monitoring Well	Upper Unit	Western Undeveloped Area	5/22/2018	Sands	1542803.976	839346.5183	3120.0207
CFMW-069	--	Phase II Monitoring Well	Upper Unit	Western Undeveloped Area	5/22/2018	Sands	1543845.835	839211.6323	3101.6087
CFMW-070	--	Phase II Monitoring Well	Upper Unit	Main Plant Area	5/22/2018	Sands	1544758.39	843606.7063	3111.4047
CFMW-071	--	Phase II Monitoring Well	Upper Unit	Western Undeveloped Area	5/22/2018	Sands	1542961.841	840253.1463	3123.0857
Flathead Staff				Flathead River	8/1/2016	Sands	1541453.873	843980.286	3014.719

Table 4. Monitoring Well Construction Data - Screened Intervals and Survey Data
Columbia Falls Aluminum Company, LLC, Phase II Site Characterization, 2000 Aluminum Drive, Columbia Falls, MT

Well Pad/ Ground Elevation (ft-amsl)	Well Depth (ft-bls)	Well Screen Top Depth (ft-bls)	Well Screen Top Elevation (ft-amsl)	Well Screen Bottom Depth (ft-bls)	Well Screen Bottom Elevation (ft-amsl)	Well Construction Source
3170.907	152.5	132.5	3038.407	152.5	3018.407	EPA Report/Old Well Log
3142.750	80	70	3072.75	80	3062.75	CFAC Phase I
3142.320	54	44	3098.32	54	3088.32	CFAC Phase I
3143.010	200	190	2953.01	200	2943.01	CFAC Phase I
3147.958	160	91	3056.958	102	3045.958	EPA Report/Old Well Log
3191.769	38.5	No Screen	No Screen	Open Bottom	Open Bottom	EPA Report/Old Well Log
3194.690	98	88	3106.69	98	3096.69	CFAC Phase I
3144.690	86	76	3068.69	86	3058.69	CFAC Phase I
3100.980	50	40	3060.98	50	3050.98	CFAC Phase I
3100.770	166	156	2944.77	166	2934.77	CFAC Phase I
3140.472	90	70	3070.472	85	3055.472	EPA Report/Old Well Log
3140.290	210	200	2940.29	210	2930.29	CFAC Phase I
3139.968	92	72	3067.968	87	3052.968	EPA Report/Old Well Log
3138.933	94	72	3066.933	87	3051.933	EPA Report/Old Well Log
3163.840	95	85	3078.84	95	3068.84	CFAC Phase I
3164.290	126	121	3043.29	126	3038.29	CFAC Phase I
3207.893	141	137	3070.893	141	3066.893	EPA Report/Old Well Log
3210.040	122	112	3098.04	122	3088.04	CFAC Phase I
3136.232	96	78	3058.232	88	3048.232	EPA Report/Old Well Log
3136.510	220	210	2926.51	220	2916.51	CFAC Phase I
3166.624	130	113	3053.624	118	3048.624	EPA Report/Old Well Log
3136.090	90	70	3066.09	85	3051.09	EPA Report/Old Well Log
3134.390	80	70	3064.39	80	3054.39	CFAC Phase I
3208.638	144.5	137.5	3071.138	143.25	3065.388	EPA Report
3101.160	24.5	9.5	3091.66	24.5	3076.66	EPA Report/Old Well Log
3101.489	95	85	3016.489	95	3006.489	CFAC Phase I
3101.599	60	45	3056.599	60	3041.599	EPA Report/Old Well Log
3101.580	45	35	3066.58	45	3056.58	CFAC Phase I
3094.380	45	35	3059.38	45	3049.38	CFAC Phase I
3105.991	60	50	3055.991	60	3045.991	CFAC Phase I
3105.916	120	110	2995.916	120	2985.916	CFAC Phase I
3130.520	76	66	3064.52	76	3054.52	CFAC Phase I
3107.820	50	35	3072.82	50	3057.82	EPA Report/Old Well Log
3114.020	55	45	3069.02	55	3059.02	CFAC Phase I
3114.095	205	195	2919.095	205	2909.095	CFAC Phase I
3107.970	60	50	3057.97	60	3047.97	CFAC Phase I

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Columbia Falls Aluminum Company, LLC, Phase II Site Characterization, 2000 Aluminum Drive, Columbia Falls, MT

Well Pad/ Ground Elevation (ft-amsl)	Well Depth (ft-bls)	Well Screen Top Depth (ft-bls)	Well Screen Top Elevation (ft-amsl)	Well Screen Bottom Depth (ft-bls)	Well Screen Bottom Elevation (ft-amsl)	Well Construction Source
3107.450	60	50	3057.45	60	3047.45	CFAC Phase I
3107.120	70	60	3047.12	70	3037.12	CFAC Phase I
3030.000	61.6	53.6	2968.00	61.60	2960.00	EPA Report
3110.870	100	90	3020.87	100	3010.87	CFAC Phase I
3110.880	105	95	3015.88	105	3005.88	CFAC Phase I
3111.050	90	80	3031.05	90	3021.05	CFAC Phase I
3107.520	60	50	3057.52	60	3047.52	CFAC Phase I
3106.970	60	50	3056.97	60	3046.97	CFAC Phase I
3105.883	53	No Screen	No Screen	Open Bottom	Open Bottom	EPA Report/Old Well Log
3106.109	110	100	3006.109	110	2996.109	CFAC Phase I
3105.262	>200	No Screen	No Screen	Open Bottom	Open Bottom	EPA Report/Old Well Log
3111.261	96	86	3025.261	96	3015.261	CFAC Phase I
3111.284	160	150	2961.284	160	2951.284	CFAC Phase I
3114.480	120	110	3004.48	120	2994.48	CFAC Phase I
3120.000	119.89	109.89	2996.960	119.89	2986.960	EPA Report
3120.165	113	100	3020.165	111	3009.165	EPA Report/Old Well Log
3120.493	148.5	138.5	2981.993	148.5	2971.993	CFAC Phase I
3120.240	120	110	3010.24	120	3000.24	CFAC Phase I
3136.000	162.07	137.9	2985.350	162.07	2961.180	EPA Report/Old Well Log
3152.000	174.98	154.19	2985.280	174.98	2964.490	Old Well Log
3109.649	77	47	3062.649	77	3032.649	EPA Report/Old Well Log
3109.666	160	150	2959.666	160	2949.666	CFAC Phase I
3109.920	85	75	3034.92	85	3024.92	CFAC Phase I
3098.851	181.08	No Screen	No Screen	Open Bottom	Open Bottom	EPA Report/Old Well Log
3098.671	135	125	2973.671	135	2963.671	CFAC Phase I
3098.599	50	40	3058.599	50	3048.599	CFAC Phase I
3092.563	185.75	Uknown	Uknown	Uknown	Uknown	EPA Report
3092.778	138	128	2964.778	138	2954.778	CFAC Phase I
3091.975	40	30	3061.9747	40	3051.9747	CFAC Phase II
3117.387	90	80	3037.387	90	3027.387	CFAC Phase I
3117.047	168	158	2959.047	168	2949.047	CFAC Phase I
3024.323	23	13	3011.323	23	3001.323	CFAC Phase I
3031.000	70.2	62.2	2959.400	70.2	2951.400	Old Well Log
3026.002	30	20	3006.002	30	2996.002	CFAC Phase I
3104.18	37	27	3077.18	37	3067.18	CFAC Phase II
3160.26	35	25	3135.26	35	3125.26	CFAC Phase II

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Columbia Falls Aluminum Company, LLC, Phase II Site Characterization, 2000 Aluminum Drive, Columbia Falls, MT

Well Pad/ Ground Elevation (ft-amsl)	Well Depth (ft-bls)	Well Screen Top Depth (ft-bls)	Well Screen Top Elevation (ft-amsl)	Well Screen Bottom Depth (ft-bls)	Well Screen Bottom Elevation (ft-amsl)	Well Construction Source
3164.91	35	25	3139.91	35	3129.91	CFAC Phase II
3118.13	85	75	3043.13	85	3033.13	CFAC Phase II
3099.62	55	45	3054.62	55	3044.62	CFAC Phase II
3109.22	60	50	3059.22	60	3049.22	CFAC Phase II
3121.04	105	95	3026.04	105	3016.04	CFAC Phase II
1.600	NA	NA	NA	NA	NA	CFAC Phase I

Table 5. Groundwater and Flathead River Elevation Data Measured During Phase I and Phase II SC
Columbia Falls Aluminum Company, LLC, Phase II Site Characterization, 2000 Aluminum Drive, Columbia Falls, MT

Location ID	Existing or Phase 1 Well	Unit	Easting (X)	Northing (Y)	August 30, 2016 DTW (ft-btoc)	August 30, 2016 DTB (ft-btoc)	August 30, 2016 Groundwater Elevation (ft-amsl)	November 29, 2016 DTW (ft-btoc)	November 29, 2016 DTB (ft-btoc)	November 29, 2016 Groundwater Elevation (ft-amsl)	March 14/15, 2017 DTW (ft-btoc)	March 14/15, 2017 DTB (ft-btoc)	March 14/15, 2017 Groundwater Elevation (ft-amsl)	June 16, 2017 DTW (ft-btoc)	June 16, 2017 DTB (ft-btoc)
CFMW-001	Existing Monitoring Well	Upper Unit	842170.37	1549228.86	98.53	155.2	3075.253	98.34	153.37	3075.443	98.37	153.18	3075.41	96.18	153
CFMW-002	Phase I Monitoring Well	Upper Unit	843027.35	1546021.16	80.3	82.65	3065.28	81.57	82.46	3064.01	DRY	82.49	DRY	68.25	82.48
CFMW-003	Phase I Monitoring Well	Upper Unit	841640.30	1547594.62	23.47	54.42	3121.48	22.12	54.45	3122.83	21.6	54.18	3123.35	18.85	54.18
CFMW-003a	Phase I Monitoring Well	Below Upper Unit	841647.49	1547603.17	151.4	203.21	2994.17	149.34	203.21	2996.23	148.21	203.15	2997.36	143.68	203.02
CFMW-007	Existing Monitoring Well	Upper Unit	843029.76	1546426.60	81.35	159.7	3067.849	76.2	159.14	3072.999	77.93	159.2	3071.27	52.95	159.3
CFMW-008	Existing Monitoring Well	Upper Unit	844032.61	1546564.76	93.6	189.21	3099.37	76.18	187.81	3116.79	66.06	187.37	3126.91	29.85	187.52
CFMW-008a	Phase I Monitoring Well	Upper Unit	844043.58	1546575.28	65.03	95.14	3131.41	64.01	95.4	3132.43	63.42	95.01	3133.02	63.2	99.36
CFMW-010	Phase I Monitoring Well	Upper Unit	842986.31	1546115.48	81.68	86.7	3065.38	82.8	86.4	3064.26	85.1	86.31	3061.96	68.1	86.85
CFMW-011	Phase I Monitoring Well	Upper Unit	842462.74	1545989.98	38.42	52.9	3064.99	40.02	52.88	3063.39	43.23	52.76	3060.18	28.41	52.79
CFMW-011a	Phase I Monitoring Well	Below Upper Unit	842455.03	1545990.30	100.55	171.12	3003.1	99.87	168.58	3003.78	98.7	168.98	3004.95	92.05	169.31
CFMW-012	Existing Monitoring Well	Upper Unit	843116.47	1545999.74	75.7	81.84	3066.78	77.06	81.89	3065.42	80.31	81.95	3062.17	65.5	81.91
CFMW-012a	Phase I Monitoring Well	Below Upper Unit	843111.47	1545978.65	145.34	213.4	2997.42	143.71	213.4	2999.05	142.65	213.37	3000.11	136.74	213.41
CFMW-014	Existing Monitoring Well	Upper Unit	842858.32	1545822.38	77.43	93.43	3064.88	78.97	93.41	3063.34	82.13	93.45	3060.18	67.18	93.4
CFMW-015	Existing Monitoring Well	Upper Unit	843070.04	1545790.29	75.57	94.56	3065.08	76.64	94.54	3064.01	79.68	94.64	3060.97	65.17	93.4
CFMW-016	Phase I Monitoring Well	Upper Unit	843955.53	1545847.94	97.7	98.82	3068.89	93.29	97.83	3073.3	93.93	97.83	3072.66	71.86	97.83
CFMW-016a	Phase I Monitoring Well	Upper Unit	843955.40	1545856.54	100.33	128.36	3066.78	93.79	128.35	3073.32	94.44	128.38	3072.67	72.49	128.38
CFMW-017	Existing Monitoring Well	Upper Unit	844140.87	1545913.14	DRY	140.88	DRY	137.02	140.92	3073.549	137.65	140.91	3072.92	116.13	140.95
CFMW-018	Phase I Monitoring Well	Upper Unit	844586.94	1545750.75	DRY	126.74	DRY	DRY	127.54	DRY	126.81	127.14	3086.00	120.07	126.83
CFMW-019	Existing Monitoring Well	Upper Unit	843277.96	1545555.12	73.38	96.5	3064.43	75.11	96.49	3062.7	77.94	96.43	3059.87	64.56	96.46
CFMW-019a	Phase I Monitoring Well	Below Upper Unit	843291.65	1545565.44	141.5	223.2	2997.48	139.91	223.25	2999.07	138.87	223.07	3000.11	132.27	223.01
CFMW-020	Existing Monitoring Well	Upper Unit	844071.61	1545748.37	102.05	132.63	3066.687	95.7	132.42	3073.037	96.38	136	3072.36	74.97	133.9
CFMW-021	Existing Monitoring Well	Upper Unit	843505.25	1545558.39	73.72	89.56	3064.435	75.38	89.59	3062.775	78.11	89.72	3060.05	64.9	89.88
CFMW-022	Phase I Monitoring Well	Upper Unit	843942.18	1545314.58	72.58	83.26	3064.74	73.16	83.22	3064.16	75.26	84	3062.06	61.62	83.3
CFMW-023	Existing Monitoring Well	Upper Unit	844694.96	1545521.21	125.4	142.96	3084.582	117.51	143.23	3092.472	117.92	143.02	3092.06	116.31	143.12
CFMW-025	Existing Monitoring Well	Upper Unit	840912.17	1545240.34	DRY	26.8	DRY	26.45	26.78	3077.091	24.44	25.16	3079.10	26.6	27.15
CFMW-025a	Phase I Monitoring Well	Below Upper Unit	840914.89	1545217.96	48.55	98.42	3055.648	56.68	98.43	3047.518	55.67	98.31	3048.53	39.59	98.28
CFMW-025b	Existing Monitoring Well	Upper Unit	840916.76	1545233.75	34.82	64.85	3068.84	33.93	64.55	3069.73	34.16	64.46	3069.50	29.9	64.15
CFMW-026	Phase I Monitoring Well	Upper Unit	841222.78	1545199.46	40.2	47.44	3064.06	42.42	47.43	3061.84	44.27	47.43	3059.99	32.55	47.41
CFMW-027	Phase I Monitoring Well	Upper Unit	842166.06	1545251.43	32.86	48.6	3064.25	34.77	48.59	3062.34	37.6	48.65	3059.51	24.69	48.6
CFMW-028	Phase I Monitoring Well	Upper Unit	843041.30	1544970.94	44.46	62.4	3064.239	46.39	62.39	3062.309	49.18	62.35	3059.52	36.32	62.39
CFMW-028a	Phase I Monitoring Well	Upper Unit	843049.72	1544970.08	44.31	122.62	3064.35	46.26	122.63	3062.4	48.98	122.37	3059.68	36.1	122.31
CFMW-029	Phase I Monitoring Well	Upper Unit	843463.41	1545108.04	68.6	73.12	3064.44	70.23	78.13	3062.81	72.93	78.3	3060.11	59.61	78.16
CFMW-031	Existing Monitoring Well	Upper Unit	842797.67	1544867.60	45.61	52.3	3063.88	47.81	52.29	3061.68	50.45	52.32	3059.04	38.44	52.3
CFMW-032	Phase I Monitoring Well	Upper Unit	843964.01	1544745.32	51.99	57.7	3064.588	54.1	57.68	3062.478	56.97	57.63	3059.61	43.07	57.61
CFMW-032a	Phase I Monitoring Well	Below Upper Unit	843973.33	1544744.54	113.22	206.53	3003.585	112.13	206.43	3004.675	111.8	206.65	3005.01	104.29	206.5
CFMW-033	Phase I Monitoring Well	Upper Unit	842408.02	1544545.11	46.88	63.59	3063.76	49.21	63.58	3061.43	51.85	63.61	3058.79	40.14	63.62
CFMW-034	Phase I Monitoring Well	Upper Unit	843342.20	1544513.49	48.23	62.48	3061.76	53.66	62.48	3056.33	57.3	62.49	3052.69	39.55	62.44
CFMW-035	Phase I Monitoring Well	Upper Unit	844447.32	1544499.01	46.56	70.6	3063.36	48.01	70.53	3061.91	50.64	70.55	3059.28	37.06	70.42
CFMW-036	Existing Former Production Well	Production Well	843889.77	1541576.63	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
CFMW-037	Phase I Monitoring Well	Upper Unit	844473.95	1543140.32	78.48	103.27	3035.16	85.8	103.25	3027.84	90.02	103.2	3023.62	61.95	103.21
CFMW-038	Phase I Monitoring Well	Upper Unit	843981.36	1543075.14	86.82	107.14	3026.95	89.51	106.71	3024.26	92.05	106.78	3021.72	82.47	106.76
CFMW-040	Phase I Monitoring Well	Upper Unit	842863.26	1543076.82	77.17	92.77	3036.55	81.71	92.88	3032.01	85.19	92.83	3028.53	68.91	92.76
CFMW-042	Phase I Monitoring Well	Upper Unit	842383.65	1543285.83	57.94	63.02	3052.4	DRY	63.03	DRY	DRY	63.05	DRY	46.77	62.99
CFMW-043	Phase I Monitoring Well	Upper Unit	842157.85	1544078.36	47.99	62.01	3061.92	52.39	62	3057.52	55.7	62.96	3054.21	43.02	62.01
CFMW-044	Existing Monitoring Well	Upper Unit	841700.39	1543941.73	48.07	54.16	3060.023	51.68	54.21	3056.413	DRY	54.12	DRY	41.7	54.15
CFMW-044a	Phase I Monitoring Well	Upper Unit	841685.04	1543941.66	52.32	112.97	3056.396	55.84	223.95	3052.876	58.85	112.88	3049.87	45.85	112.94
CFMW-044b	Existing Monitoring Well	Below Upper Unit	841699.55	1543937.61	63.95	241.01	3044.029	56.6	241.09	3051.379	68.17	241.68	3039.81	56.78	241.5
CFMW-045	Phase I Monitoring Well	Upper Unit	842543.66	1542768.89	83.78	100.08	3029.97	88.55	99.16	3025.2	91.42	99.3	3022.33	74.55	99.08
CFMW-045a	Phase I Monitoring Well	Upper Unit	842554.02	1542768.56	89.56	161.28	3024.374	91.05	161.27	3022.884	93.2	153.18	3020.73	82.6	161.29
CFMW-047	Phase I Monitoring Well	Upper Unit	844332.71	1542470.13	99.75	122.93	3017.43	99.46	122.95	3017.72	101.15	123.18	3016.03	94.22	123.13
CFMW-048	Existing Former Production Well	Production Well	844490.02	1542506.85	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
CFMW-049	Existing Monitoring Well	Upper Unit	844793.48	1542470.64	104.9	141.01	3017.793	103.25	113.99	3019.443	104.5	113.97	3018.19	92.98	114.01
CFMW-049a	Phase I Monitoring Well	Upper Unit	844793.74	1542484.16	105	151.1	3017.691	103.18	151.1	3019.511	104.35	151.07	3018.34	92.64	151.13
CFMW-050	Phase I Monitoring Well	Upper Unit	844928.80	1542299.18	105.78	123.37	3017.34	103.96	123.37	3019.16	105.13	123.35	3017.99	95.93	123.39
CFMW-051	Existing Former Production Well	Production Well	845527.06	1542146.47	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
CFMW-052	Existing Former Production Well	Production Well	846185.60	1542118.72	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
CFMW-053	Existing Monitoring Well	Upper Unit	841601.39	1542974.49	58.78	76.24	3052.447	72.65	78.24	3038.577	76.09	78.5	3035.14	47.57	76.18
CFMW-053a	Phase I Monitoring Well	Below Upper Unit	841600.66	1542988.46	88.3	162.5	3023.761	90.09	162.48	3021.971	91.65	162.45	3020.41	83.5	162.55
CFMW-054	Phase I Monitoring Well	Upper Unit	841003.14	1542966.02	73.77	87.55	3038.9	77.56	87.47	3035.11	81.35	87.4	3031.32	71.66	87.39
CFMW-056	Existing Monitoring Well	Below Upper Unit	839789.32	1544572.96	86.56	180.58	3014.789	85.43	180.61	3015.919	83.85	180.69	3017.50	75.06	180.06
CFMW-056a	Phase I Monitoring Well	Below Upper Unit	839786.44	1544587.44	79.96	137.4	3021.119	78.7	137.41	3022.379	77.35	137.33	3023.73	68.71	137.52
CFMW-056b	Phase I Monitoring Well	Upper Unit	839778.85	1544590.85	33.7	52.65	3067.499	35.27	52.62	3065.929	35.24	52.62	3065.96	27.38	52.6
CFMW-057	Existing Monitoring Well	Below Upper Unit	837706.04	1543626.42	83.81	184.4	3011.127	82.29	183.89	3012.647	80.51	183.8	3014.43	71.5	172.7
CFMW-057a	Phase I Monitoring Well	Below Upper Unit	837685.97	1543631.67	78.55	140.35	3016.224	77.28	140.36	3017.494	75.82	141.37	3018.95	66.52	140.41
CFMW-057b	Phase II Monitoring Well	Upper Unit	837625.01	1543667.53	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFMW-059	Phase I Monitoring Well	Below Upper Unit	837611.73	1542120.76	70.42	92.7	3049.001	70.82	92.71	3048.601	69.01	92.71	3050.41	62.99	92.66
CFMW-059a	Phase I Monitoring Well	Upper Unit	837631.49	1542130.69	73.05	162.98	3046.128	71.42	163.86	3047.758	68.9	163.85	3050.28	63.33	163.98
CFMW-061	Existing Former Production Well	Production Well	843728.23	1541698.05	13.82	26.04	3013.558	12.35	26.5	3015.028	12.54	26.05	3014.84	8.51	26.02
CFMW-062	Phase I Monitoring Well	Upper Unit	843895.11	1541546.04	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

Table 5. Groundwater and Flathead River Elevation Data Measured During Phase I and Phase II SC
Columbia Falls Aluminum Company, LLC, Phase II Site Characterization, 2000 Aluminum Drive, Columbia Falls, MT

Location ID	Existing or Phase 1 Well	Unit	Easting (X)	Northing (Y)	August 30, 2016 DTW (ft-btoc)	August 30, 2016 DTB (ft-btoc)	August 30, 2016 Groundwater Elevation (ft-amsl)	November 29, 2016 DTW (ft-btoc)	November 29, 2016 DTB (ft-btoc)	November 29, 2016 Groundwater Elevation (ft-amsl)	March 14/15, 2017 DTW (ft-btoc)	March 14/15, 2017 DTB (ft-btoc)	March 14/15, 2017 Groundwater Elevation (ft-amsl)	June 16, 2017 DTW (ft-btoc)	June 16, 2017 DTB (ft-btoc)
CFMW-065	Phase II Monitoring Well	Upper Unit	840306.44	1546253.84	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFMW-066	Phase II Monitoring Well	Upper Unit	842325.39	1548008.72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFMW-067	Phase II Monitoring Well	Upper Unit	841766.67	1548412.29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFMW-068	Phase II Monitoring Well	Upper Unit	839377.38	1542808.89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFMW-069	Phase II Monitoring Well	Upper Unit	839190.13	1543836.37	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFMW-070	Phase II Monitoring Well	Upper Unit	843602.54	1544760.63	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFMW-071	Phase II Monitoring Well	Upper Unit	840266.87	1542936.88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flathead Staff			844025.00	1541460.00	1.12	NA	3014.239	2.65	NA	3015.769	2.55	NA	3015.67	0.5	NA

Table 5. Groundwater and Flathead River Elevation Data Measured During Phase I and Phase II SC
Columbia Falls Aluminum Company, LLC, Phase II Site Characterization, 2000 Aluminum Drive, Columbia Falls, MT

Location ID	June 16, 2017 Groundwater Elevation (ft-amsl)	June 4/5, 2018 DTW (ft-btoc)	June 4/5, 2018 DTB (ft-btoc)	June 4/5, 2018 DTP (ft-btoc)	June 4/5, 2018 Product Elevation (ft-amsl)	June 4/5, 2018 Groundwater Elevation (ft-amsl)	October 1/2, 2018 DTW (ft-btoc)	October 1/2, 2018 DTB (ft-btoc)	October 1/2, 2018 DTP (ft-btoc)	October 1/2, 2018 Product Elevation (ft-amsl)	October 1/2, 2018 Groundwater Elevation (ft-amsl)
CFMW-001	3077.60	96.53	153.0	NA	NA	3077.253	97.89	152.9	NA	NA	3075.893
CFMW-002	3077.33	60.95	82.41	NA	NA	3084.63	82.46	82.52	NA	NA	3063.12
CFMW-003	3126.10	19.31	53	NA	NA	3125.64	23.36	53.39	NA	NA	3121.59
CFMW-003a	3001.89	145	203.2	NA	NA	3000.57	148.71	202.46	NA	NA	2996.86
CFMW-007	3096.25	35.52	159.2	NA	NA	3113.679	84.04	158.48	NA	NA	3065.159
CFMW-008	3163.12	53.39	191	NA	NA	3139.58	55.34	192.02	NA	NA	3137.63
CFMW-008a	3133.24	61.64	96.28	NA	NA	3134.8	65.28	94.26	NA	NA	3131.16
CFMW-010	3078.96	60.13	87.57	NA	NA	3086.93	83.87	86.83	NA	NA	3063.19
CFMW-011	3075.00	22.32	52.72	NA	NA	3081.09	40.57	52.18	NA	NA	3062.84
CFMW-011a	3011.60	92.85	171.52	NA	NA	3010.8	98.81	167.9	NA	NA	3004.84
CFMW-012	3076.98	58.55	87.76	NA	NA	3083.93	78.85	81.23	NA	NA	3063.63
CFMW-012a	3006.02	137.84	213.79	NA	NA	3004.92	143.26	212.62	NA	NA	2999.5
CFMW-014	3075.13	61.04	93.43	NA	NA	3081.27	79.54	92.91	NA	NA	3062.77
CFMW-015	3075.48	59.16	94.57	NA	NA	3081.49	77.65	93.93	NA	NA	3063
CFMW-016	3094.73	57.2	95.18	NA	NA	3109.39	DRY	98.03	NA	NA	DRY
CFMW-016a	3094.62	57.87	128.2	NA	NA	3109.24	103.16	128.41	NA	NA	3063.95
CFMW-017	3094.44	100.83	138.74	NA	NA	3109.739	DRY	140.27	NA	NA	Dry
CFMW-018	3092.74	109.21	129.12	NA	NA	3103.6	126.54	126.03	NA	NA	3086.27
CFMW-019	3073.25	60.02	96.29	NA	NA	3077.79	75.47	95.76	NA	NA	3062.34
CFMW-019a	3006.71	134	222.88	NA	NA	3004.98	139.43	222.65	NA	NA	2999.55
CFMW-020	3093.77	60.55	128.98	NA	NA	3108.187	104.73	131.89	NA	NA	3064.007
CFMW-021	3073.26	60.19	89.75	NA	NA	3077.965	75.7	89.08	NA	NA	3062.455
CFMW-022	3075.70	55.47	73.57	NA	NA	3081.85	74.64	82.63	NA	NA	3062.68
CFMW-023	3093.67	108.7	142.17	NA	NA	3101.282	130.28	142.35	NA	NA	3079.702
CFMW-025	3076.89	26.38	26.99	NA	NA	3077.109	26.85	27.09	NA	NA	3076.691
CFMW-025a	3064.61	37.01	98.09	NA	NA	3067.188	54.76	97.44	NA	NA	3049.438
CFMW-025b	3073.76	26.7	64.04	NA	NA	3076.96	35.78	60.85	NA	NA	3067.88
CFMW-026	3071.71	29.77	47.54	NA	NA	3074.49	41.93	46.72	NA	NA	3062.33
CFMW-027	3072.42	20.98	48.43	NA	NA	3076.13	34.9	48.57	NA	NA	3062.21
CFMW-028	3072.38	32.54	62.29	NA	NA	3076.159	46.5	61.7	NA	NA	3062.199
CFMW-028a	3072.56	32.09	123.38	NA	NA	3076.57	46.41	122.97	NA	NA	3062.25
CFMW-029	3073.43	54.91	77.58	NA	NA	3078.13	70.61	77	NA	NA	3062.43
CFMW-031	3071.05	29.67	52.51	NA	NA	3079.82	47.58	52.33	NA	NA	3061.91
CFMW-032	3073.51	38.31	57.58	NA	NA	3078.268	53.96	57.61	NA	NA	3062.618
CFMW-032a	3012.52	95.52	209.1	NA	NA	3021.285	106	206.62	NA	NA	3010.805
CFMW-033	3070.50	37.78	63.54	NA	NA	3072.86	48.76	63.44	NA	NA	3061.88
CFMW-034	3070.44	37.34	62.38	NA	NA	3072.65	50.74	62.34	NA	NA	3059.25
CFMW-035	3072.86	31.94	70.25	NA	NA	3077.98	48.33	70.18	NA	NA	3061.59
CFMW-036	NM	16.71	59.9	15.79	3017.13	3017.13	20.58	59.884	20.24	2947.42	3013.26
CFMW-037	3051.69	79.51	104.98	NA	NA	3034.13	82.32	102.42	NA	NA	3031.32
CFMW-038	3031.30	86.64	106.6	NA	NA	3027.13	87.79	106.05	NA	NA	3025.98
CFMW-040	3044.81	72.38	92.73	NA	NA	3041.34	78.97	93.12	NA	NA	3034.75
CFMW-042	3063.57	44.44	62.9	NA	NA	3065.9	60.87	62.92	NA	NA	3049.47
CFMW-043	3066.89	41.55	61.9	NA	NA	3068.36	50.23	61.99	NA	NA	3059.68
CFMW-044	3066.39	40.16	54.1	NA	NA	3067.933	49.71	54.19	NA	NA	3058.383
CFMW-044a	3062.87	44.79	172.3	NA	NA	3063.926	53.95	113.52	NA	NA	3054.766
CFMW-044b	3051.20	55.94	240.5	NA	NA	3052.039	65.44	240.62	NA	NA	3042.539
CFMW-045	3039.20	76.44	98.97	NA	NA	3037.31	86.49	99.02	NA	NA	3027.26
CFMW-045a	3031.33	83.88	155.36	NA	NA	3030.054	89.96	158.22	NA	NA	3023.974
CFMW-047	3022.96	94.5	123	NA	NA	3022.68	100.18	122.39	NA	NA	3017
CFMW-048	NM	83.23	126.25	NA	NA	3034.88	100.48	125.83	NA	NA	3017.63
CFMW-049	3029.71	85.92	113.92	NA	NA	3036.773	105.12	113.34	NA	NA	3017.573
CFMW-049a	3030.05	85.28	151	NA	NA	3037.411	104.23	155.26	NA	NA	3018.461
CFMW-050	3027.19	89.8	123.29	NA	NA	3033.32	105.8	122.75	NA	NA	3017.32
CFMW-051	NM	105.28	163.8	NA	NA	2929.26	117.04	168.31	NA	NA	2917.5
CFMW-052	NM	123.82	180	NA	NA	2927.5	133.79	179.78	NA	NA	2917.53
CFMW-053	3063.43	46	71.97	NA	NA	3064.997	65.73	75.57	NA	NA	3045.497
CFMW-053a	3028.56	82.25	162.4	NA	NA	3029.811	89.08	162.41	NA	NA	3022.981
CFMW-054	3041.01	72.33	87.43	NA	NA	3040.34	75.41	87.3	NA	NA	3037.26
CFMW-056	3026.29	76.84	179.9	NA	NA	3024.509	82.23	180.21	NA	NA	3019.119
CFMW-056a	3032.37	69.98	138.08	NA	NA	3031.099	75.56	136.63	NA	NA	3025.519
CFMW-056b	3073.82	26.16	52.55	NA	NA	3075.039	33.42	51.89	NA	NA	3067.779
CFMW-057	3023.44	73.9	180.1	NA	NA	3021.037	78.93	181.1	NA	NA	3016.007
CFMW-057a	3028.25	68.81	140.35	NA	NA	3025.964	73.16	139.67	NA	NA	3021.614
CFMW-057b	NA	17.42	42.28	NA	NA	3076.8217	24.06	42.29	NA	NA	3070.1817
CFMW-059	3056.43	64.1	92.55	NA	NA	3055.321	68.61	92.01	NA	NA	3050.811
CFMW-059a	3055.85	65.05	166.54	NA	NA	3054.128	69.41	169.14	NA	NA	3049.768
CFMW-061	3018.87	8.29	25.95	NA	NA	3019.088	13.76	25.43	NA	NA	3013.618
CFMW-062	NM	17.21	78.3	15.77	3016.65	3016.65	20.5	79.36	20.22	2938.9	3013.36

Table 5. Groundwater and Flathead River Elevation Data Measured During Phase I and Phase II SC
Columbia Falls Aluminum Company, LLC, Phase II Site Characterization, 2000 Aluminum Drive, Columbia Falls, MT

Location ID	June 16, 2017 Groundwater Elevation (ft-amsl)	June 4/5, 2018 DTW (ft-btoc)	June 4/5, 2018 DTB (ft-btoc)	June 4/5, 2018 DTP (ft-btoc)	June 4/5, 2018 Product Elevation (ft-amsl)	June 4/5, 2018 Groundwater Elevation (ft-amsl)	October 1/2, 2018 DTW (ft-btoc)	October 1/2, 2018 DTB (ft-btoc)	October 1/2, 2018 DTP (ft-btoc)	October 1/2, 2018 Product Elevation (ft-amsl)	October 1/2, 2018 Groundwater Elevation (ft-amsl)
CFMW-065	NA	22.81	39.53	NA	NA	3083.4637	29.17	39.6	NA	NA	3077.1037
CFMW-066	NA	23.26	37.58	NA	NA	3139.2197	29.63	37.63	NA	NA	3132.8497
CFMW-067	NA	26.86	37.7	NA	NA	3140.0787	30.6	36.78	NA	NA	3136.3387
CFMW-068	NA	70.03	87.07	NA	NA	3049.9907	68.02	86.51	NA	NA	3052.0007
CFMW-069	NA	30.73	58.1	NA	NA	3070.8787	35.11	58.02	NA	NA	3066.4987
CFMW-070	NA	33.24	62.6	NA	NA	3078.1647	48.79	62.45	NA	NA	3062.6147
CFMW-071	NA	84.6	107.51	NA	NA	3038.4857	82.5	106.96	NA	NA	3040.5857
Flathead Staff	3019.08	NM	NA	NA	NA	NM	NM	NA	NA	NA	NM

Table 6. Summary of Groundwater Samples Collected During Phase I and Phase II SC
Columbia Falls Aluminum Company, LLC, Phase II Site Characterization, 2000 Aluminum Drive, Columbia Falls, MT

Sample Location	Location Type	Unit	Easting (X)	Northing (Y)	Date Completed Phase I Round 1 (September 2016)	Date Completed Phase I Round 2 (December 2016)
CFMW-001	Existing Monitoring Well	Upper Unit	842170.37	1549228.86	9/20/2016	12/12/2017
CFMW-002	Phase I Monitoring Well	Upper Unit	843027.35	1546021.16	9/12/2016	Insufficient Water to sample
CFMW-003	Phase I Monitoring Well	Upper Unit	841640.30	1547594.62	9/14/2016	12/9/2016
CFMW-003a	Phase I Monitoring Well	Below Upper Unit	841647.49	1547603.17	9/20/2016	12/12/2016
CFMW-007	Existing Monitoring Well	Upper Unit	843029.76	1546426.60	9/21/2016	12/12/2016
CFMW-008	Existing Monitoring Well	Upper Unit	844032.61	1546564.76	9/21/2016	12/16/2016
CFMW-008a	Phase I Monitoring Well	Upper Unit	844043.58	1546575.28	9/15/2016	12/16/2016
CFMW-010	Phase I Monitoring Well	Upper Unit	842986.31	1546115.48	9/12/2016	12/15/2016
CFMW-011	Phase I Monitoring Well	Upper Unit	842462.74	1545989.98	9/13/2016	12/8/2016
CFMW-011a	Phase I Monitoring Well	Below Upper Unit	842455.03	1545990.30	9/20/2016	12/14/2016
CFMW-012	Existing Monitoring Well	Upper Unit	843116.47	1545999.74	9/12/2016	12/14/2016
CFMW-012a	Phase I Monitoring Well	Below Upper Unit	843111.47	1545978.65	9/15/2016	12/13/2016
CFMW-014	Existing Monitoring Well	Upper Unit	842858.32	1545822.38	9/12/2016	12/15/2016
CFMW-015	Existing Monitoring Well	Upper Unit	843070.04	1545790.29	9/12/2016	12/15/2016
CFMW-016	Phase I Monitoring Well	Upper Unit	843955.53	1545847.94	Insufficient Water to sample	Insufficient Water to sample
CFMW-016a	Phase I Monitoring Well	Upper Unit	843955.40	1545856.54	9/21/2016	12/14/2016
CFMW-017	Existing Monitoring Well	Upper Unit	844140.87	1545913.14	Insufficient Water to sample	Insufficient Water to sample
CFMW-018	Phase I Monitoring Well	Upper Unit	844586.94	1545750.75	Insufficient Water to sample	Insufficient Water to sample
CFMW-019	Existing Monitoring Well	Upper Unit	843277.96	1545555.12	9/12/2016	12/15/2016
CFMW-019a	Phase I Monitoring Well	Below Upper Unit	843291.65	1545565.44	9/20/2016	12/14/2016
CFMW-020	Existing Monitoring Well	Upper Unit	844071.61	1545748.37	9/20/2016	12/13/2016
CFMW-021	Existing Monitoring Well	Upper Unit	843505.25	1545558.39	9/12/2016	12/14/2016
CFMW-022	Phase I Monitoring Well	Upper Unit	843942.18	1545314.58	9/13/2016	12/9/2016
CFMW-023	Existing Monitoring Well	Upper Unit	844694.96	1545521.21	9/21/2016	12/19/2016
CFMW-025	Existing Monitoring Well	Upper Unit	840912.17	1545240.34	Insufficient Water to sample	Insufficient Water to sample
CFMW-025a	Phase I Monitoring Well	Below Upper Unit	840914.89	1545217.96	9/13/2016	12/5/2016
CFMW-025b	Existing Monitoring Well	Upper Unit	840916.76	1545233.75	9/13/2016	12/7/2016
CFMW-026	Phase I Monitoring Well	Upper Unit	841222.78	1545199.46	9/13/2016	12/5/2016
CFMW-027	Phase I Monitoring Well	Upper Unit	842166.06	1545251.43	9/13/2016	12/14/2016
CFMW-028	Phase I Monitoring Well	Upper Unit	843041.30	1544970.94	9/13/2016	12/5/2016
CFMW-028a	Phase I Monitoring Well	Upper Unit	843049.72	1544970.08	9/20/2016	12/9/2016
CFMW-029	Phase I Monitoring Well	Upper Unit	843463.41	1545108.04	9/13/2016	12/14/2016
CFMW-031	Existing Monitoring Well	Upper Unit	842797.67	1544867.60	9/15/2016	12/9/2016
CFMW-032	Phase I Monitoring Well	Upper Unit	843964.01	1544745.32	9/15/2016	12/13/2016

Table 6. Summary of Groundwater Samples Collected During Phase I and Phase II SC
Columbia Falls Aluminum Company, LLC, Phase II Site Characterization, 2000 Aluminum Drive, Columbia Falls, MT

Sample Location	Location Type	Unit	Easting (X)	Northing (Y)	Date Completed Phase I Round 1 (September 2016)	Date Completed Phase I Round 2 (December 2016)
CFMW-032a	Phase I Monitoring Well	Below Upper Unit	843973.33	1544744.54	9/16/2016	12/16/2016
CFMW-033	Phase I Monitoring Well	Upper Unit	842408.02	1544545.11	9/15/2016	12/6/2016
CFMW-034	Phase I Monitoring Well	Upper Unit	843342.20	1544513.49	9/14/2016	12/13/2016
CFMW-035	Phase I Monitoring Well	Upper Unit	844447.32	1544499.01	9/13/2016	12/13/2016
CFMW-036	Existing Former Production Well	Production Well	843889.77	1541576.63	Not sampled	Not sampled
CFMW-037	Phase I Monitoring Well	Upper Unit	844473.95	1543140.32	9/16/2016	12/8/2016
CFMW-038	Phase I Monitoring Well	Upper Unit	843981.36	1543075.14	9/14/2016	12/9/2016
CFMW-040	Phase I Monitoring Well	Upper Unit	842863.26	1543076.82	9/14/2016	12/13/2016
CFMW-042	Phase I Monitoring Well	Upper Unit	842383.65	1543285.83	9/14/2016	Insufficient Water to sample
CFMW-043	Phase I Monitoring Well	Upper Unit	842157.85	1544078.36	9/13/2016	12/14/2016
CFMW-044	Existing Monitoring Well	Upper Unit	841700.39	1543941.73	9/15/2016	12/9/2016
CFMW-044a	Phase I Monitoring Well	Upper Unit	841685.04	1543941.66	9/19/2016	12/19/2016
CFMW-044b	Existing Monitoring Well	Below Upper Unit	841699.55	1543937.61	9/19/2016	12/19/2016
CFMW-045	Phase I Monitoring Well	Upper Unit	842543.66	1542768.89	9/15/2016	12/14/2016
CFMW-045a	Phase I Monitoring Well	Upper Unit	842554.02	1542768.56	9/19/2016	12/9/2016
CFMW-047	Phase I Monitoring Well	Upper Unit	844332.71	1542470.13	9/14/2016	12/15/2016
CFMW-048	Existing Former Production Well	Production Well	844490.02	1542506.85	Not sampled	Not sampled
CFMW-049	Existing Monitoring Well	Upper Unit	844793.48	1542470.64	9/21/2016	12/15/2016
CFMW-049a	Phase I Monitoring Well	Upper Unit	844793.74	1542484.16	9/16/2016	12/15/2016
CFMW-050	Phase I Monitoring Well	Upper Unit	844928.80	1542299.18	9/19/2016	12/15/2016
CFMW-051	Existing Former Production Well	Production Well	845527.06	1542146.47	Not sampled	Not sampled
CFMW-052	Existing Former Production Well	Production Well	846185.60	1542118.72	Not sampled	Not sampled
CFMW-053	Existing Monitoring Well	Upper Unit	841601.39	1542974.49	9/14/2016	12/12/2016
CFMW-053a	Phase I Monitoring Well	Below Upper Unit	841600.66	1542988.46	9/19/2016	12/19/2016
CFMW-054	Phase I Monitoring Well	Upper Unit	841003.14	1542966.02	9/14/2016	12/12/2016
CFMW-056	Existing Monitoring Well	Below Upper Unit	839789.32	1544572.96	9/20/2016	12/13/2016
CFMW-056a	Phase I Monitoring Well	Below Upper Unit	839786.44	1544587.44	9/20/2016	12/6/2016
CFMW-056b	Phase I Monitoring Well	Upper Unit	839778.85	1544590.85	9/13/2016	12/12/2016
CFMW-057	Existing Monitoring Well	Below Upper Unit	837706.04	1543626.42	9/19/2016	12/5/2016
CFMW-057a	Phase I Monitoring Well	Below Upper Unit	837685.97	1543631.67	9/19/2016	12/16/2016
CFMW-057b	Phase II Monitoring Well	Upper Unit	837625.01	1543667.53	Not installed	Not installed
CFMW-059	Phase I Monitoring Well	Upper Unit	837611.73	1542120.76	9/15/2016	12/12/2016
CFMW-059a	Phase I Monitoring Well	Below Upper Unit	837631.49	1542130.69	9/19/2016	12/16/2016
CFMW-061	Phase I Monitoring Well	Upper Unit	843728.23	1541698.05	9/15/2016	12/7/2016

Table 6. Summary of Groundwater Samples Collected During Phase I and Phase II SC
Columbia Falls Aluminum Company, LLC, Phase II Site Characterization, 2000 Aluminum Drive, Columbia Falls, MT

Sample Location	Location Type	Unit	Easting (X)	Northing (Y)	Date Completed Phase I Round 1 (September 2016)	Date Completed Phase I Round 2 (December 2016)
CFMW-062	Existing Former Production Well	Production Well	843895.11	1541546.04	Not sampled	Not sampled
CFMW-064	Phase I Monitoring Well	Upper Unit	844717.84	1541616.87	9/15/2016	12/7/2016
CFMW-065	Phase II Monitoring Well	Upper Unit	840306.44	1546253.84	Not installed	Not installed
CFMW-066	Phase II Monitoring Well	Upper Unit	842325.39	1548008.72	Not installed	Not installed
CFMW-067	Phase II Monitoring Well	Upper Unit	841766.67	1548412.29	Not installed	Not installed
CFMW-068	Phase II Monitoring Well	Upper Unit	839377.38	1542808.89	Not installed	Not installed
CFMW-069	Phase II Monitoring Well	Upper Unit	839190.13	1543836.37	Not installed	Not installed
CFMW-070	Phase II Monitoring Well	Upper Unit	843602.54	1544760.63	Not installed	Not installed
CFMW-071	Phase II Monitoring Well	Upper Unit	840266.87	1542936.88	Not installed	Not installed

Table 6. Summary of Groundwater Samples Collected During Phase I and Phase II SC
Columbia Falls Aluminum Company, LLC, Phase II Site Characterization, 2000 Aluminum Drive, Columbia Falls, MT

Sample Location	Location Type	Unit	Date Completed Phase I Round 3 (March 2017)	Date Completed Phase I Round 4 (June 2017)	Date Completed Phase II Round 1 (June 2018)
CFMW-001	Existing Monitoring Well	Upper Unit	3/20/2017	6/19/2017	6/12/2018
CFMW-002	Phase I Monitoring Well	Upper Unit	3/24/2017	6/27/2017	6/11/2018
CFMW-003	Phase I Monitoring Well	Upper Unit	3/22/2017	6/27/2017	6/13/2018
CFMW-003a	Phase I Monitoring Well	Below Upper Unit	3/20/2017	6/19/2017	6/15/2018
CFMW-007	Existing Monitoring Well	Upper Unit	3/28/2017	6/19/2017	6/11/2018
CFMW-008	Existing Monitoring Well	Upper Unit	3/28/2017	6/20/2017	6/14/2018
CFMW-008a	Phase I Monitoring Well	Upper Unit	3/28/2017	6/28/2017	6/18/2018
CFMW-010	Phase I Monitoring Well	Upper Unit	3/24/2017	6/27/2017	6/11/2018
CFMW-011	Phase I Monitoring Well	Upper Unit	3/27/2017	6/28/2017	6/7/2018
CFMW-011a	Phase I Monitoring Well	Below Upper Unit	3/21/2017	6/29/2017	6/14/2018
CFMW-012	Existing Monitoring Well	Upper Unit	3/22/2017	6/23/2017	6/8/2018
CFMW-012a	Phase I Monitoring Well	Below Upper Unit	3/20/2017	6/20/2017	6/11/2018
CFMW-014	Existing Monitoring Well	Upper Unit	3/29/2017	6/27/2017	6/11/2018
CFMW-015	Existing Monitoring Well	Upper Unit	3/29/2017	6/27/2017	6/11/2018
CFMW-016	Phase I Monitoring Well	Upper Unit	3/28/2017	6/29/2017	6/15/2018
CFMW-016a	Phase I Monitoring Well	Upper Unit	3/27/2017	6/26/2017	6/12/2018
CFMW-017	Existing Monitoring Well	Upper Unit	3/28/2017	6/26/2017	6/6/2018
CFMW-018	Phase I Monitoring Well	Upper Unit	3/28/2017	6/20/2017	6/18/2018
CFMW-019	Existing Monitoring Well	Upper Unit	3/29/2017	6/29/2017	6/14/2018
CFMW-019a	Phase I Monitoring Well	Below Upper Unit	3/27/2017	6/26/2017	6/19/2018
CFMW-020	Existing Monitoring Well	Upper Unit	3/21/2017	6/26/2017	6/8/2018
CFMW-021	Existing Monitoring Well	Upper Unit	3/29/2017	6/26/2017	6/7/2018
CFMW-022	Phase I Monitoring Well	Upper Unit	3/28/2017	6/26/2017	6/7/2018
CFMW-023	Existing Monitoring Well	Upper Unit	3/21/2017	6/27/2017	6/6/2018
CFMW-025	Existing Monitoring Well	Upper Unit	Insufficient Water to sample	Insufficient Water to sample	Insufficient water to sample
CFMW-025a	Phase I Monitoring Well	Below Upper Unit	3/24/2017	6/22/2017	6/7/2018
CFMW-025b	Existing Monitoring Well	Upper Unit	3/20/2017	6/22/2017	6/6/2018
CFMW-026	Phase I Monitoring Well	Upper Unit	3/20/2017	6/22/2017	6/6/2018
CFMW-027	Phase I Monitoring Well	Upper Unit	3/27/2017	6/26/2017	6/13/2018
CFMW-028	Phase I Monitoring Well	Upper Unit	3/20/2017	6/26/2017	6/14/2018
CFMW-028a	Phase I Monitoring Well	Upper Unit	3/21/2017	6/27/2017	6/7/2018
CFMW-029	Phase I Monitoring Well	Upper Unit	3/24/2017	6/26/2017	6/8/2018
CFMW-031	Existing Monitoring Well	Upper Unit	3/21/2017	6/21/2017	6/15/2018
CFMW-032	Phase I Monitoring Well	Upper Unit	3/27/2017	6/20/2017	6/15/2018

Table 6. Summary of Groundwater Samples Collected During Phase I and Phase II SC
Columbia Falls Aluminum Company, LLC, Phase II Site Characterization, 2000 Aluminum Drive, Columbia Falls, MT

Sample Location	Location Type	Unit	Date Completed Phase I Round 3 (March 2017)	Date Completed Phase I Round 4 (June 2017)	Date Completed Phase II Round 1 (June 2018)
CFMW-032a	Phase I Monitoring Well	Below Upper Unit	3/29/2017	6/27/2017	6/14/2018
CFMW-033	Phase I Monitoring Well	Upper Unit	3/21/2017	6/19/2017	6/15/2018
CFMW-034	Phase I Monitoring Well	Upper Unit	3/21/2017	6/19/2017	6/15/2018
CFMW-035	Phase I Monitoring Well	Upper Unit	3/21/2017	6/20/2017	6/15/2018
CFMW-036	Existing Former Production Well	Production Well	Not sampled	Not sampled	6/25/2018
CFMW-037	Phase I Monitoring Well	Upper Unit	3/23/2017	6/20/2017	6/18/2018
CFMW-038	Phase I Monitoring Well	Upper Unit	3/24/2017	6/27/2017	6/8/2018
CFMW-040	Phase I Monitoring Well	Upper Unit	3/30/2017	6/20/2017	6/8/2018
CFMW-042	Phase I Monitoring Well	Upper Unit	Insufficient Water to sample	6/20/2017	6/12/2018
CFMW-043	Phase I Monitoring Well	Upper Unit	3/20/2017	6/21/2017	6/11/2018
CFMW-044	Existing Monitoring Well	Upper Unit	3/28/2017	6/21/2017	6/11/2018
CFMW-044a	Phase I Monitoring Well	Upper Unit	3/21/2017	6/23/2017	6/7/2018
CFMW-044b	Existing Monitoring Well	Below Upper Unit	3/24/2017	6/23/2017	6/14/2018
CFMW-045	Phase I Monitoring Well	Upper Unit	3/23/2017	6/28/2017	6/18/2018
CFMW-045a	Phase I Monitoring Well	Upper Unit	3/24/2017	6/23/2017	6/13/2018
CFMW-047	Phase I Monitoring Well	Upper Unit	3/23/2017	6/21/2017	6/8/2018
CFMW-048	Existing Former Production Well	Production Well	Not sampled	Not sampled	6/20/2018
CFMW-049	Existing Monitoring Well	Upper Unit	3/23/2017	6/21/2017	6/7/2018
CFMW-049a	Phase I Monitoring Well	Upper Unit	3/23/2017	6/21/2017	6/13/2018
CFMW-050	Phase I Monitoring Well	Upper Unit	3/23/2017	6/21/2017	6/8/2018
CFMW-051	Existing Former Production Well	Production Well	Not sampled	Not sampled	6/20/2018
CFMW-052	Existing Former Production Well	Production Well	Not sampled	Not sampled	6/21/2018
CFMW-053	Existing Monitoring Well	Upper Unit	Insufficient Water to sample	6/28/2017	6/18/2018
CFMW-053a	Phase I Monitoring Well	Below Upper Unit	3/27/2017	6/28/2017	6/13/2018
CFMW-054	Phase I Monitoring Well	Upper Unit	3/22/2017	6/21/2017	6/18/2018
CFMW-056	Existing Monitoring Well	Below Upper Unit	3/22/2017	6/22/2017	6/12/2018
CFMW-056a	Phase I Monitoring Well	Below Upper Unit	3/30/2017	6/22/2017	6/12/2018
CFMW-056b	Phase I Monitoring Well	Upper Unit	3/21/2017	6/22/2017	6/14/2018
CFMW-057	Existing Monitoring Well	Below Upper Unit	3/29/2017	6/28/2017	6/18/2018
CFMW-057a	Phase I Monitoring Well	Below Upper Unit	3/22/2017	6/28/2017	6/18/2018
CFMW-057b	Phase II Monitoring Well	Upper Unit	Not installed	Not installed	6/12/2018
CFMW-059	Phase I Monitoring Well	Upper Unit	3/23/2017	6/21/2017	6/12/2018
CFMW-059a	Phase I Monitoring Well	Below Upper Unit	3/29/2017	6/28/2017	6/13/2018
CFMW-061	Phase I Monitoring Well	Upper Unit	3/23/2017	6/23/2017	6/20/2018

Table 6. Summary of Groundwater Samples Collected During Phase I and Phase II SC
Columbia Falls Aluminum Company, LLC, Phase II Site Characterization, 2000 Aluminum Drive, Columbia Falls, MT

Sample Location	Location Type	Unit	Date Completed Phase I Round 3 (March 2017)	Date Completed Phase I Round 4 (June 2017)	Date Completed Phase II Round 1 (June 2018)
CFMW-062	Existing Former Production Well	Production Well	Not sampled	Not sampled	6/26/2018
CFMW-064	Phase I Monitoring Well	Upper Unit	3/23/2017	6/23/2017	6/20/2018
CFMW-065	Phase II Monitoring Well	Upper Unit	Not installed	Not installed	6/14/2018
CFMW-066	Phase II Monitoring Well	Upper Unit	Not installed	Not installed	6/13/2018
CFMW-067	Phase II Monitoring Well	Upper Unit	Not installed	Not installed	6/13/2018
CFMW-068	Phase II Monitoring Well	Upper Unit	Not installed	Not installed	6/12/2018
CFMW-069	Phase II Monitoring Well	Upper Unit	Not installed	Not installed	6/14/2018
CFMW-070	Phase II Monitoring Well	Upper Unit	Not installed	Not installed	6/18/2018
CFMW-071	Phase II Monitoring Well	Upper Unit	Not installed	Not installed	6/12/2018

Table 6. Summary of Groundwater Samples Collected During Phase I and Phase II SC
Columbia Falls Aluminum Company, LLC, Phase II Site Characterization, 2000 Aluminum Drive, Columbia Falls, MT

Sample Location	Location Type	Unit	Date Completed Phase II Round 2 (October 2018)
CFMW-001	Existing Monitoring Well	Upper Unit	10/10/2018
CFMW-002	Phase I Monitoring Well	Upper Unit	Insufficient water to sample
CFMW-003	Phase I Monitoring Well	Upper Unit	10/10/2018
CFMW-003a	Phase I Monitoring Well	Below Upper Unit	10/23/2018
CFMW-007	Existing Monitoring Well	Upper Unit	10/5/2018
CFMW-008	Existing Monitoring Well	Upper Unit	10/8/2018
CFMW-008a	Phase I Monitoring Well	Upper Unit	10/17/2018
CFMW-010	Phase I Monitoring Well	Upper Unit	10/3/2018
CFMW-011	Phase I Monitoring Well	Upper Unit	10/11/2018
CFMW-011a	Phase I Monitoring Well	Below Upper Unit	10/8/2018
CFMW-012	Existing Monitoring Well	Upper Unit	10/3/2018
CFMW-012a	Phase I Monitoring Well	Below Upper Unit	10/23/2018
CFMW-014	Existing Monitoring Well	Upper Unit	10/11/2018
CFMW-015	Existing Monitoring Well	Upper Unit	10/11/2018
CFMW-016	Phase I Monitoring Well	Upper Unit	Insufficient water to sample
CFMW-016a	Phase I Monitoring Well	Upper Unit	10/5/2018
CFMW-017	Existing Monitoring Well	Upper Unit	Insufficient water to sample
CFMW-018	Phase I Monitoring Well	Upper Unit	Insufficient water to sample
CFMW-019	Existing Monitoring Well	Upper Unit	10/15/2018
CFMW-019a	Phase I Monitoring Well	Below Upper Unit	10/23/2018
CFMW-020	Existing Monitoring Well	Upper Unit	10/4/2018
CFMW-021	Existing Monitoring Well	Upper Unit	10/15/2018
CFMW-022	Phase I Monitoring Well	Upper Unit	10/4/2018
CFMW-023	Existing Monitoring Well	Upper Unit	10/17/2018
CFMW-025	Existing Monitoring Well	Upper Unit	Insufficient water to sample
CFMW-025a	Phase I Monitoring Well	Below Upper Unit	10/10/2018
CFMW-025b	Existing Monitoring Well	Upper Unit	10/10/2018
CFMW-026	Phase I Monitoring Well	Upper Unit	10/17/2018
CFMW-027	Phase I Monitoring Well	Upper Unit	10/11/2018
CFMW-028	Phase I Monitoring Well	Upper Unit	10/17/2018
CFMW-028a	Phase I Monitoring Well	Upper Unit	10/8/2018
CFMW-029	Phase I Monitoring Well	Upper Unit	10/4/2018
CFMW-031	Existing Monitoring Well	Upper Unit	10/5/2018
CFMW-032	Phase I Monitoring Well	Upper Unit	10/4/2018

Table 6. Summary of Groundwater Samples Collected During Phase I and Phase II SC
Columbia Falls Aluminum Company, LLC, Phase II Site Characterization, 2000 Aluminum Drive, Columbia Falls, MT

Sample Location	Location Type	Unit	Date Completed Phase II Round 2 (October 2018)
CFMW-032a	Phase I Monitoring Well	Below Upper Unit	10/4/2018
CFMW-033	Phase I Monitoring Well	Upper Unit	10/16/2018
CFMW-034	Phase I Monitoring Well	Upper Unit	10/12/2018
CFMW-035	Phase I Monitoring Well	Upper Unit	10/12/2018
CFMW-036	Existing Former Production Well	Production Well	10/18/2018
CFMW-037	Phase I Monitoring Well	Upper Unit	10/12/2018
CFMW-038	Phase I Monitoring Well	Upper Unit	10/9/2018
CFMW-040	Phase I Monitoring Well	Upper Unit	10/8/2018
CFMW-042	Phase I Monitoring Well	Upper Unit	10/4/2018
CFMW-043	Phase I Monitoring Well	Upper Unit	10/11/2018
CFMW-044	Existing Monitoring Well	Upper Unit	10/3/2018
CFMW-044a	Phase I Monitoring Well	Upper Unit	10/16/2018
CFMW-044b	Existing Monitoring Well	Below Upper Unit	10/11/2018
CFMW-045	Phase I Monitoring Well	Upper Unit	10/8/2018
CFMW-045a	Phase I Monitoring Well	Upper Unit	10/16/2018
CFMW-047	Phase I Monitoring Well	Upper Unit	10/4/2018
CFMW-048	Existing Former Production Well	Production Well	10/15/2018
CFMW-049	Existing Monitoring Well	Upper Unit	10/3/2018
CFMW-049a	Phase I Monitoring Well	Upper Unit	10/3/2018
CFMW-050	Phase I Monitoring Well	Upper Unit	10/12/2018
CFMW-051	Existing Former Production Well	Production Well	10/12/2018
CFMW-052	Existing Former Production Well	Production Well	10/15/2018
CFMW-053	Existing Monitoring Well	Upper Unit	10/17/2018
CFMW-053a	Phase I Monitoring Well	Below Upper Unit	10/11/2018
CFMW-054	Phase I Monitoring Well	Upper Unit	10/5/2018
CFMW-056	Existing Monitoring Well	Below Upper Unit	10/9/2018
CFMW-056a	Phase I Monitoring Well	Below Upper Unit	10/9/2018
CFMW-056b	Phase I Monitoring Well	Upper Unit	10/16/2018
CFMW-057	Existing Monitoring Well	Below Upper Unit	10/10/2018
CFMW-057a	Phase I Monitoring Well	Below Upper Unit	10/10/2018
CFMW-057b	Phase II Monitoring Well	Upper Unit	10/16/2018
CFMW-059	Phase I Monitoring Well	Upper Unit	10/9/2018
CFMW-059a	Phase I Monitoring Well	Below Upper Unit	10/15/2018
CFMW-061	Phase I Monitoring Well	Upper Unit	10/8/2018

Table 6. Summary of Groundwater Samples Collected During Phase I and Phase II SC
Columbia Falls Aluminum Company, LLC, Phase II Site Characterization, 2000 Aluminum Drive, Columbia Falls, MT

Sample Location	Location Type	Unit	Date Completed Phase II Round 2 (October 2018)
CFMW-062	Existing Former Production Well	Production Well	10/18/2018
CFMW-064	Phase I Monitoring Well	Upper Unit	10/8/2018
CFMW-065	Phase II Monitoring Well	Upper Unit	10/15/2018
CFMW-066	Phase II Monitoring Well	Upper Unit	10/15/2018
CFMW-067	Phase II Monitoring Well	Upper Unit	10/5/2018
CFMW-068	Phase II Monitoring Well	Upper Unit	10/9/2018
CFMW-069	Phase II Monitoring Well	Upper Unit	10/16/2018
CFMW-070	Phase II Monitoring Well	Upper Unit	10/5/2018
CFMW-071	Phase II Monitoring Well	Upper Unit	10/9/2018

Table 7. Summary of Sediment Porewater Samples Collected During Phase II SC
Columbia Falls Aluminum Company, LLC, Phase II Site Characterization, 2000 Aluminum Drive, Columbia Falls, MT

Sample Location	Surface Water Feature	Easting (X)	Northing (Y)
CFPWP-001	Flathead River	837505.45	1541509.03
CFPWP-002	Flathead River	839237.99	1542211.11
CFPWP-003	Backwater Seep Area	841212.96	1542570.89
CFPWP-004	Backwater Seep Area	841509.71	1542501.20
CFPWP-005	Backwater Seep Area	841740.19	1542456.20
CFPWP-006	Flathead River	842659.31	1541356.40
CFPWP-007	Flathead River	844285.37	1541438.21
CFPWP-008	Flathead River	846331.05	1541361.29
CFPWP-014	Cedar Creek	841843.84	1549426.43
CFPWP-015	Cedar Creek	839765.37	1547329.70
CFPWP-016	Cedar Creek	838508.65	1544951.51
CFPWP-017	Flathead River	847573.57	1541130.57
CFPWP-018	South Percolation Ponds	843327.27	1542047.38
CFPWP-019	South Percolation Ponds	843606.88	1542002.07
CFPWP-020	South Percolation Ponds	845128.85	1541599.45
CFPWP-021	Northern SW Feature	842076.08	1546929.68
CFPWP-022	Northern SW Feature	841583.68	1546654.65
CFPWP-023	North-West Percolation Pond	841201.03	1545415.29
CFPWP-024	North-East Percolation Pond	843132.84	1545061.13
CFPWP-025	Cedar Creek	840144.83	1547860.91
CFPWP-026	Backwater Seep Area	840617.05	1542629.37
CFPWP-027	Backwater Seep Area	840821.27	1542621.94
CFPWP-028	Backwater Seep Area	841001.21	1542599.15
CFPWP-029	Riparian Sampling Area	841881.73	1542384.59
CFPWP-030	Riparian Sampling Area	842173.39	1542292.92
CFPWP-031	Riparian Sampling Area	842367.81	1542115.30
CFPWP-032	Riparian Sampling Area	842776.75	1542014.22
CFPWP-033	Riparian Sampling Area	842571.55	1541909.51
CFPWP-034	Flathead River	838745.33	1542194.72
CFPWP-035	Flathead River	840211.32	1542575.34
CFPWP-044	Cedar Creek	839816.05	1547503.38
CFPWP-045	Cedar Creek	839703.94	1547178.30
CFPWP-046	Northern SW Feature	842326.44	1547519.18
CFPWP-047	Northern SW Feature	842313.05	1547231.46
CFPWP-048	Northern SW Feature	841840.52	1546656.80
CFPWP-049	Northern SW Feature	841425.75	1546756.66
CFPWP-050	Northern SW Feature	842089.72	1546594.16
CFPWP-051	Northern SW Feature	841908.61	1546477.05
CFPWP-052	Northern SW Feature	841668.10	1546487.55
CFPWP-053	Northern SW Feature	841500.97	1546418.84
CFPWP-054	North-West Percolation Pond	841157.93	1545603.41
CFPWP-055	North-West Percolation Pond	841387.03	1545525.11
CFPWP-056	North-East Percolation Pond	842924.59	1545018.59
CFPWP-057	North-East Percolation Pond	842976.94	1545154.59

Table 7. Summary of Sediment Porewater Samples Collected During Phase II SC
Columbia Falls Aluminum Company, LLC, Phase II Site Characterization, 2000 Aluminum Drive, Columbia Falls, MT

CFPWP-058	South Percolation Ponds	844776.32	1541670.00
CFPWP-059	South Percolation Ponds	844499.45	1541762.20
CFPWP-060	South Percolation Ponds	844209.81	1541845.86
CFPWP-036	Flathead River	841691.78	1541622.78
CFPWP-037	Flathead River	843682.96	1541445.91
CFPWP-038	Flathead River	844939.72	1541334.47

Table 7. Summary of Sediment Porewater Samples Collected During Phase II SC
Columbia Falls Aluminum Company, LLC, Phase II Site Characterization, 2000 Aluminum Drive, Columbia Falls, MT

Sample Location	Date Completed Phase II Rounds 1 and 2 (June and October 2018)
CFPWP-001	10/5/2018
CFPWP-002	10/5/2018
CFPWP-003	10/4/2018
CFPWP-004	10/4/2018
CFPWP-005	10/18/2018
CFPWP-006	10/4/2018
CFPWP-007	10/3/2018
CFPWP-008	10/3/2018
CFPWP-014	10/10/2018
CFPWP-015	10/9/2018
CFPWP-016	10/9/2018
CFPWP-017	10/3/2018
CFPWP-018	10/17/2018
CFPWP-019	10/16/2018
CFPWP-020	10/11/2018
CFPWP-021	6/19/2018
CFPWP-022	6/20/2018
CFPWP-023	DRY
CFPWP-024	DRY
CFPWP-025	10/10/2018
CFPWP-026	10/5/2018
CFPWP-027	10/5/2018
CFPWP-028	10/4/2018
CFPWP-029	10/18/2018
CFPWP-030	10/18/2018
CFPWP-031	10/18/2018
CFPWP-032	10/17/2018
CFPWP-033	10/17/2018
CFPWP-034	10/5/2018
CFPWP-035	10/5/2018
CFPWP-044	10/10/2018
CFPWP-045	10/9/2018
CFPWP-046	6/19/2018
CFPWP-047	6/19/2018
CFPWP-048	6/20/2018
CFPWP-049	6/20/2018
CFPWP-050	6/21/2018
CFPWP-051	6/21/2018
CFPWP-052	6/18/2018
CFPWP-053	6/18/2018
CFPWP-054	DRY
CFPWP-055	DRY
CFPWP-056	DRY
CFPWP-057	DRY

Table 7. Summary of Sediment Porewater Samples Collected During Phase II SC
Columbia Falls Aluminum Company, LLC, Phase II Site Characterization, 2000 Aluminum Drive, Columbia Falls, MT

CFPWP-058	10/11/2018
CFPWP-059	10/11/2018
CFPWP-060	10/16/2018
CFPWP-036	10/4/2018
CFPWP-037	10/3/2018
CFPWP-038	10/3/2018