

Preparation of Draft Data Summary Report and Draft Risk Assessments

Following the completion of the field program, CFAC and Roux will prepare a draft Phase II Site Characterization Data Summary Report to be submitted to EPA and MDEQ in early 2019. This report will include both the Phase I and Phase II data.

In addition, Roux's risk assessment subcontractor, EHS Support, will prepare a draft Baseline Human Health Risk Assessment Report and draft Baseline Ecological Risk Assessment Report to be submitted to EPA and MDEQ in early 2019. The baseline risk assessment is used to evaluate risk to receptors (humans or organisms) assuming no remedial action.

The risk assessment is needed to evaluate potential future remedial options at the Site. The guidance for this process is outlined by USEPA and is the same method used across all Federal Superfund Sites.

The team of experts conducting the risk assessment and details about the process can be found at www.cfacproject.com. Please look in the minutes from the October 2018 community liaison panel meeting for these details.

Next Steps

All work associated with the RI/FS began in early 2016 and is expected to continue into 2021. All work must be completed following federal, state, and local laws and guidelines. The law specific to Superfund work is the Comprehensive Environmental Response, Compensation and Liability Act (Superfund). It was enacted in 1980, was reauthorized in 1986 and defines all laws and regulations related to Superfund work.

Work has been completed on schedule and has met the commitments CFAC made to the project. All parties are working cooperatively.

CFAC Community Liaison Panel

The CFAC Community Liaison Panel's (CLP) purpose is to provide a forum for the discussion and exchange of ideas and opinions about the project. Those involved represent the community, project consultants, state and federal agencies and CFAC.

The most recent CLP meeting was Wednesday, October 17, 2018. The next meeting of the CLP will be in spring 2019. Meeting date and time has not yet been determined. The meeting will be open to the public; those interested in attending are asked to contact Vonda Matthews at 1-877-384-7036.

For more information about the project or the community liaison panel, please contact Mary Green at 1-877-384-7036.

Project Schedule

Complete?	Remedial Investigation/ Feasibility Study Recent and Upcoming Task Schedule
✓	Draft Phase I Site Characterization Data Summary Report
✓	Draft Screening Level Ecological Risk Assessment Report
✓	2017 Field Activities – Slug Testing and Asbestos Landfill Soil Sampling
✓	Final Phase I Site Characterization Data Summary Report
✓	Final Screening Level Ecological Risk Assessment Report
✓	Groundwater and Surface Water Data Summary Report
✓	Draft Baseline Human Health Risk Assessment Work Plan
✓	Draft Baseline Ecological Risk Assessment Work Plan
✓	Draft Phase II Sampling and Analysis Plan
✓	Phase II Remedial Investigation Field Program
	Draft Phase II Site Characterization Data Summary Report
	Draft Baseline Risk Assessments
	Final Baseline Risk Assessments
	Feasibility Study Work Plan
	Feasibility Study Report Submitted to EPA

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For more information about the project or the community liaison panel, contact Mary Green at 1-877-384-7036.

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Columbia Falls Aluminum Company

Project Update

Issue #16

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Project Update

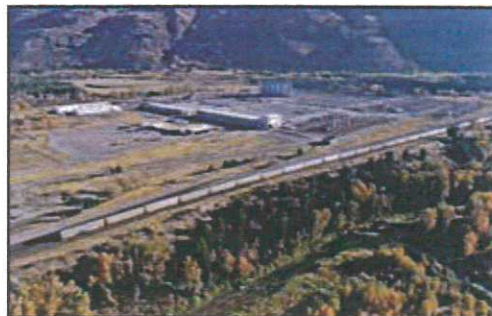
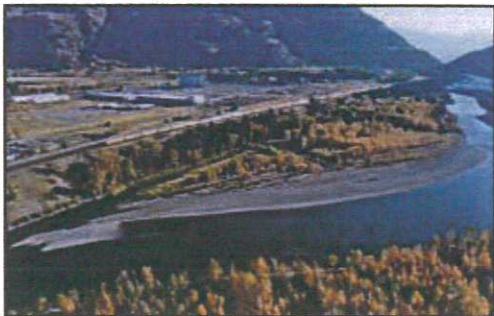
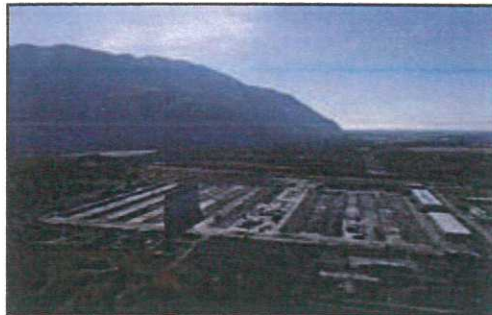
This year, the CFAC project team continued work related to the Main Plant demolition and the completion of the Phase II Site Characterization as part of the Remedial Investigation / Feasibility Study (RI/FS) for the Site. In addition to site work, the team worked to ensure the public was kept informed of activities, which included a meeting of the community liaison panel and a site tour for the public. The team also hosted a visit by EPA Region 8 administrator and representatives from offices of Senators John Tester and Steve Daines.

Although additional demolition and RI/FS work remains at the site, parties have expressed interest in site redevelopment. CFAC has been contacted by parties interested in learning about the site and the potential for future reuse. These conversations continue, and CFAC remains open to discussing development opportunities with anyone interested in locating to the Columbia Falls site.

Demolition Update

Demolition work continues and is on schedule to be completed within the first quarter of 2019. Several structures will remain at the site and can be used in redevelopment efforts. Remaining structures include the administration building, the main warehouse, two ancillary warehouses and the fabrication shop.

The alumina ore material remaining in the five silos has been purchased. The silos will be removed in the spring of 2019 after the ore material has been removed and shipped off site. Remaining steel from structures at the site continues to be recycled, and removal is expected to be completed by the end of this year.



Overall RI/FS Update

Sampling completed during the Phase I confirmed the basic understanding of the major environmental issues at the site:

- The highest concentrations of cyanide and fluoride were observed by legacy landfills, indicating that legacy landfills are the source of cyanide and fluoride in groundwater;
- Groundwater flow is south-south west and towards the Flathead River during all seasons, and flows away from Aluminum City; and
- Polycyclic Aromatic Hydrocarbons (“PAHs”) were detected across the Site, most frequently in surface soil samples, and at the highest concentrations around the Main Plant and operational areas of the Site.

After completing the first phase of site evaluation work in June 2017 and receiving approval of Phase I Site Characterization Data Summary Report from the EPA and MDEQ in January 2018, CFAC continued with the preparation of the Phase II Sampling and Analysis Plan and Background Investigation Sampling and Plan. The Phase II Site Characterization is the second phase of the site sampling work and was designed with the following objectives:

- Collect additional data required for completion of the Baseline Risk Assessment;
- Evaluate areas that were not investigated during the Phase I Site Characterization, were identified as a data gap during the Phase I Site Characterization, or were discussed with EPA;
- Collect additional soil, sediment, and surface water samples from offsite locations to characterize background constituents of potential concern (COPC) concentrations representative of regional conditions;
- Collect additional data to support the completion of the Feasibility Study.

This Phase II field work began in April 2018 and continued through October 2018. This data will be combined with Phase I data to create a comprehensive understanding of site conditions, and will be utilized in the risk assessment to estimate potential risk to human health and the environment. Ultimately, the information will be used to complete the Feasibility Study for the site which will outline what options there are to properly address any issues at the site to ensure the protection of human health and the environment.

Additional onsite soil, groundwater, sediment, porewater, and surface water samples were collected; as well as offsite soil, surface water, and sediment samples. The Phase II field work consisted of the following:

- Completion of 191 additional soil borings onsite with a combination of hand tools, Geoprobe, and Sonic drilling technologies
- Installation of 8 additional new monitoring wells
- Collection of additional environmental samples:
 1. Soil Samples - 484
 2. Sediment Samples - 52
 3. Sediment Porewater Samples - 50
 4. Groundwater Samples - 154
 5. Surface water Samples – 120
- Completion of background study:
 1. Offsite Soil Samples – 40
 2. Offsite Sediment Samples – 20
 3. Offsite Surface Water Samples – 40

Reports and Resources

Roux Inc. - www.rouxinc.com/cfac-phase-i-site-characterization-data-summary-report Email: CFAC-Comments@rouxinc.com
EPA - www.epa.gov/superfund/columbia-falls Email comments to: Mike Cirian, Cirian.Mike@epa.gov
MDEQ - <http://deq.mt.gov/DEQAdmin/cfac> Email comments to: Dick Sloan, rsloan@mt.gov Phone: (406) 444-6454

CFAC Community Liaison Panel website <http://www.cfacproject.com> Mary Green: Phone: 1-877-384-7036
Columbia Falls Branch of Flathead County Library 130 6th Street West, Columbia Falls, MT. Phone: 406-892-5919
Library visitors interested in reviewing the material should ask for assistance from Tony.