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Approval letter for the Butte Priority Soils Operable Unit (BPSOU) 2023 Residential Metals Abatement Program Copper/Emmett Park Soil Remedial Action Work Plan (RAWP) (dated May 17, 2023)

Nikia Greene

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**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8, MONTANA OFFICE**

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Ref: 8MO

June 13, 2023

Mr. Mike McAnulty
Liability Manager
Atlantic Richfield Company
317 Anaconda Road
Butte, Montana 59701

Re: Approval letter for the Butte Priority Soils Operable Unit (BPSOU) 2023 Residential Metals Abatement Program Copper/Emmett Park Soil Remedial Action Work Plan (RAWP) (dated May 17, 2023)

Dear Mike:

The U. S. Environmental Protection Agency (EPA), in consultation with the Montana Department of Environmental Quality (DEQ), is approving the *Butte Priority Soils Operable Unit (BPSOU) 2023 Residential Metals Abatement Program Copper/Emmett Park Soil Remedial Action Work Plan (RAWP) (dated May 17, 2023)*. Please incorporate the following comments and distribute this RAWP submittal as final.

- Section 4.4: The conveyance rate calculation brief states that calculations were not based on an estimated flow rate from the artesian feature but rather the flow rates of the piping/trench. Please confirm the design flow rates are adequate for actual conditions. In addition, see comment below on Figure 7 and the details.
- Figure 1: The callout on the northern portion of the lot stating that the area where neighbors are parking will be removed and resodded. Please confirm controls there will be implemented to ensure the remedy will not be impacted.
- Figure 5: Please consider a valve box or shallow manhole for future maintenance/potential cleanout at the 3-way pipe junction north of the playground equipment area.
- Figure 7, Detail 5, 6, 7, 8: Due to times of the year when 4-inch perforated lines feeding the conveyance are running at high flows, please consider daylighting the new 4-inch conveyance line directly into the stormwater collection feature rather than tying this line into the existing 4 inch line coming from the west along the boulevard. These modifications may require additional appurtenances to the existing design as shown on Details 7 and 8 as well as additional coordination with BSB.
- Figure 7, Detail 5 6, & Attachment C. Please consider using an HDPE Geonet product in lieu of the proposed geotextile to minimize eventual silt collection and fabric blinding.

If you have any questions or concerns, please call me at (406) 457-5019.

Sincerely,

Nikia Greene
Remedial Project Manager

cc: (email only)

Butte File

Daryl Reed; DEQ

Jon Morgan; DEQ counsel

Carolina Balliew; DEQ

Harley Harris; NRDP

Katherine Hausrath; NRDP

Jim Ford; NRDP

Pat Cunneen; NRDP

John Gallagher; BSBC

Sean Peterson; BSBC

Eileen Joyce; BSBC

Eric Hassler; BSBC

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Karen Maloughney; BSBC

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Jeremy Grotbo; BSBC

Sean Peterson; BSBC counsel

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Leo Berry; BNSF and UP counsel

Doug Brannan; Kennedy Jenks for BNSF and UP

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Loren Burmeister; AR

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Chris Wardell; EPA
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