TAG QUARTERLY PROGRESS REPORT

Date:	February 14, 2019
Report Number:	107
Report Period:	October – December 2018
Site:	**Butte Area/Silver Bow Creek**
Grant Recipient:	Citizens Technical Environmental Committee (CTEC)
Technical Advisors:	KirK Engineering & Natural Resources, Inc.

PROGRESS ACHIEVED

- Health monitoring public meeting working group meetings and public meeting. Steve Ackerlund – CTEC Technical Advisor.
- Facilitated a public Heath Monitoring/INBRE Gap Perceptions of environmental Health in Butte. October 30, 2018.
- Continued to work on NIH/INBRE Grant CTEC/Mt Tech: Bridging the Gap: Evaluating Environmental Health Risk Perceptions for Better Community Engagement with Mt Tech. CTEC board helped sort through superfund documents for the last 34 years.
- Attended the Upper Silver Bow Creek Corridor Community Design Workshops. November 1, 2018.
- CTEC sponsored a pavilion at the Butte Farmer's Market inviting other local environmental entities June - October.
- Sponsored 3 meetings open to the public.
- Provided technical assistance to 40 members of the public at CTEC office.

<u>CTEC Board of Directors Meeting (all board meetings are open to the public)</u>

- Mt Pole – Cliff Bradley guest October 2, 2018
- Public Health Meeting – October 30, 2018.
- Climate Change and Superfund – Dave Williams – December 11, 2018.

<u>CTEC Public Presentations/ Events</u>

- BSB Health Monitoring Meeting. October 30, 2018. Steve Ackerlund, Raja Nagasetti and Bill Macgregor.
- Climate Change and Superfund – Dave Williams – December 11, 2018.
- Farmers Market pavilion June – October. CTEC board and guests answering questions and listening to concerns from the public.
- "Worth the Wait - 30 Year Cleanup of One of the Nation's Largest Superfund Sites" CTEC

Office.

- KBMF Butte America Radio.org. Superfund reporter –David Hutchins – CTEC Board Member. Superfund 101 - CTEC board members interviews.

Non-CTEC meetings/tours attended by CTEC staff and/or Board:

- Medical Monitoring Working Group – October 2, 2018
- Butte Upper Silver Bow Creek Corridor Community Design Workshops. November 2018.
- Butte Natural Resource Damage Restoration Council. November 15 and December 13, 2018.
- Restore Our Creek meetings.
- University of Mt - MT Tech Remediation/Restoration Seminar Series.
- Butte-Silver Bow-Butte Superfund Advisory Redevelopment Trust Committee Meetings (SARTA).
- Citizens for Labor and Environmental Justice Meetings (CLEJ).

Documents Reviewed and/or comments provided:

- Reviewed Superfund documents published for the last 34 years for INBRE grant.
- Health monitoring meeting summary, October 30, 2018 – Steve Ackerlund. CTEC Technical Advisor.
- Other documents were reviewed at varying levels by CTEC board members or advisors when they were received.

DIFFICULTIES ENCOUNTERED:

- Focusing on the most effective ways to spend TAG funds. Butte area is a very large and complex site.
- Increasing public involvement.
- Updating Technical Advisor roles.

MATERIALS PRODUCED THIS PERIOD:

- Greeley neighborhood letter to EPA. Request to Designate the Greeley Neighborhood as a Separate East Side Soils Operable Unit of the BA/SBC NPL Site. October 2018.
- Announcement for public health monitoring meeting #2. October 30, 2018.
- Summary Health Study Public Meeting Comments. October 30, 2018.
- Summary of all reports received by the CTEC office from 2010 through December 31, 2018.
- Summary of media on Butte Superfund remediation/restoration. 2015-2018.

ACTIVITIES ANTICIPATED IN NEXT QUARTER:

- Review and provide comment for the BPSOU Conceptual Agreement.
- Provide technical support for the Butte Health Monitoring Study Phase 2.
- Provide technical support on the NIH/INBRE Grant – Bridging the Gap. Health Perceptions and Superfund.
- Continue to gain Feedback from the community on Superfund questions concerns.

- Focus on technical assistance.
- Focus on outreach strategy.
- Focus on new outreach material.
- Focus on partnering with other local entities.
- Provide support to EPA Community Involvement Coordinator for Butte Superfund sites.
- Provide support to EPA Remedial Project Managers for Butte Area Superfund sites.
- Focus on technical support and outreach for phase II of the Butte health study.
- Work on strategic plan (a working document).
- Work on Scope of Work plan (a working document).
- Focusing on spending most funds on CTEC technical advisors.
- Focus on storm water issues and outreach.
- Focus on surface water issues and outreach.
- Focus on ground water issues and outreach.
- Continue working on identifying priorities.
- CTEC representative for the Restore Our Creek Coalition.
- CTEC representative on the waterfowl committee focusing on geese safety at the Butte Mine Flooding Operable Unit - Berkeley Pit.
- CTEC representative for the Butte Natural Resource Damage Program.
- CTEC representative for Citizens for Labor and Environmental Justice.
- CTEC representative for the Pitwatch Program.
- Provide public outreach for the Residential Soils Program.
- Provide technical support to neighborhood groups.
- Provide technical support to the Butte Natural Resource Damage Council.
- Provide technical support to B-SB Superfund Advisory Board - Redevelopment Trust Fund.
- Provide technical support to Clark Fork Watershed Education Program.
- Provide technical support to Butte Citizens for Labor and Environmental Justice.
- Provide technical support to Pit Watch.
- Provide technical support to the Science Mine.
- Provide technical support to Project Green.
- Provide technical support to the Imagine Butte Resource Center.
- Provide technical support to the MT Tech Remediation/Restoration Seminar Series.
- Provide technical support to the MT Tech Biology/Chemistry research Departments.
- Provide technical support to the Native Plant Program at Mt Tech.
- Provide technical support to the Butte Radio KBMF 102.5.
- Provide technical support to the Montana Public Radio.
- Provide technical support to the Montana Standard newspaper.
- Provide technical support to the local news stations.

DOCUMENTS RECEIVED THIS PERIOD at the - CTEC OFFICE

October-December 2018

. Unilateral Administrative Order Monthly Report of Activities – **Atlantic Richfield Co**
  September 2018 (electronic)
  October 2018 (electronic)
  November 2018 (electronic)

. Unilateral Administrative Order Monthly Report of Activities - **Butte-Silver Bow**
  September 2018 (electronic)
  October 2018 (electronic)
  November 2018 (electronic)

. Unilateral Administrative Order Monthly Report of Activities – **BNSF/UP**
  September 2018 (electronic)
  October 2018 (electronic)

. Butte Mine Flooding Operable Unit Monthly Reports: **Montana Bureau of Mines and Geology**
  September 2018 (hard)
  October 2018 (hard)
  November 2018 (hard)

. Greeley neighborhood letter to EPA. Request to Designate the Greeley Neighborhood as a Separate East Side Soils Operable Unit of the Butte Area/Silver Bow Creek NPL Site. September 26, 2018. Electronic copy. Greeley neighborhood October 8, 2018.

. Butte Priority Soils Operable Unit (BPSOU), Silver Bow Creek/Butte Area NPL Site Response to Approval Letter for the BPSOU Buffalo Gulch and Grove Gulch Soils Characterization Sampling and Analysis Plan (SAP), dated September 24, 2018. Josh Bryson - Atlantic Richfield. Electronic copy October 1, 2018. Emily Stoick – TREC.

. EPA approval letter: BPSOU Revised Draft Final Reclaimed Areas Maintenance and Monitoring QAPP, dated August 22, 2018. Electronic copy October 1, 2018. Nikia Greene – EPA.

. Butte Priority Soils Operable Unit (BPSOU), Silver Bow Creek/Butte Area NPL Site EPA comment letter: BPSOU Draft Final Northside Tailings and Diggings East Remedial Design Workplan dated September 10, 2018. Electronic copy October 17, 2018. Nikia Greene – EPA.

- Butte Priority Soils. Butte Reclamation Evaluation System (BRES). Butte-Silver Bow response to EPA. Final 2017 Corrective Action Plans for Reclaimed Sites in Quadrant 2 2017. Electronic Copy October 24, 2018. Julia Crain – B-SB.

- Silver Bow Creek/Butte Area NPL Site. Butte Priority Soils Operable Unit. (BPSOU). EPA Guidance Letter to Atlantic Richfield: Proactive work under the Remedial Elements Scope of Work for Remedial Designs, dated October 25, 2018. Electronic copy October 25, 2018. Nikia Greene – EPA.

- Silver Bow Creek/Butte Area NPL Site. Butte Priority Soils Operable Unit (BPSOU). EPA Comment Letter and Crosswalk Comments: BPSOU QAPP; Long-Term Operation & Maintenance of Railroad Assets, dated August 27, 2018. Electronic copy October 29, 2018. Nikia Greene – EPA.

- Silver Bow Creek/Butte Area NPL Site. Butte Priority Soils Operable Unit (BPSOU). Final Northside Tailings/East Buffalo Gulch Area and Diggings East Stormwater Basin Area Remedial Design (RD) Work Plan. October 2018. Atlantic Richfield. Electronic copy October 29, 2018. Ruthmeri Gleason - Pioneer Technical Services.

- Silver Bow Creek/Butte Area NPL Site. Butte Priority Soils Operable Unit (BPSOU). Final E: Revision of the Butte Treatment Lagoons (BTL) Groundwater Treatment System and MSD Sub-Drain Sampling and Monitoring Quality Assurance Project Plan (QAPP). Atlantic Richfield. October 31, 2018. Electronic copy October 31, 2018. Ruthmeri Gleason - Pioneer Technical Services.

- Silver Bow Creek/Butte Area NPL Site. Butte Priority Souls Operable Unit (BPSOU). Draft Butte Priority Soils Operable Unit (BPSOU) Buffalo Gulch and Grove Gulch Remedial Design Work Plan (RDWP) (dated November 1, 2018). Electronic copy November 1, 2018. Josh Bryson – Arco. Electronic copy November 1, 2018. Seth Garritty – Woodard Curran/TREC.

- Silver Bow Creek/Butte Area NPL Site. Butte Priority Souls Operable Unit (BPSOU). EPA Comment letter: BPSOU (BMFOU Private Well Monitoring Program-QAPP dated September 6, 2018), Electronic copy November 2, 2018. Nikia Greene – EPA.

- Silver Bow Creek/Butte Area NPL Site. Butte Priority Souls Operable Unit (BPSOU). EPA Comment Letter 2: BPSOU Revised Draft Final Northside Tailings and Diggings East Stormwater Basin Fill Characterization and Geotechnical Investigation Sampling and Analysis Plan/Quality Assurance Project Plan and the Revised Draft Final Quality Assurance Project Plan Northside Tailings, East Buffalo Gulch and Diggings East Stormwater Basin Area, both dated October 29, 2018. Electronic copy November 5, 2018. Nikia Greene – EPA.

- Silver Bow Creek/Butte Area NPL Site. Butte Priority Soils (BPSOU) 2017 ARCO Draft Final BPSOU Institutional Controls Implementation Assurance Plan November 5, 2018.

Josh Bryson – Arco. Jon Sesso – BSB. Electronic copy November 7, 2018. Ruthmeri Gleason – Pioneer Technical Services.

- Silver Bow Creek/Butte Area NPL site. Butte Priority Soils Operable Unit (BPSOU). Final Reclaimed Areas Maintenance and Monitoring Quality Assurance Project Plan (QAPP). August 22, 2018. Josh Bryson – Arco. Jon Sesso – BSB. Electronic Copy November 7, 2018. Ruthmeri Gleason – Pioneer Technical Services.

- Silver Bow Creek/Butte Area NPL site. Butte Priority Soils Operable Unit (BPSOU). Draft Final Butte Reclamation Evaluation System (BRES) Field Manual. Atlantic Richfield. November 5, 2018. Josh Bryson – Arco. Jon Sesso – BSB. Electronic Copy November 8, 2018. Ruthmeri Gleason – Pioneer Technical Services.

- Silver Bow Creek/Butte Area NPL site. Butte Priority Soils Operable Unit (BPSOU). Draft Final BPSOU Reclaimed Areas Maintenance and Monitoring (M&M) Plan in Accordance with Butte Reclamation Evaluation System (BRES.) Atlantic Richfield Company. November 5, 2018. Josh Bryson – Arco. Jon Sesso – BSB. Electronic Copy November 8, 2018. Ruthmeri Gleason – Pioneer Technical Services.

- Silver Bow Creek/Butte Area NPL site. Butte Priority Soils Operable Unit (BPSOU). Draft Final Solid Media Management Program Plan Atlantic Richfield Company. October 2, 2018. Josh Bryson – Arco. Jon Sesso – BSB. Electronic Copy November 9, 2018. Ruthmeri Gleason – Pioneer Technical Services.

- Butte Natural Resource Damage Council Meeting announcement. November 15, 2018. Electronic. Pat Cunneen - BNRC.

- Silver Bow Creek/Butte Area NPL site. Butte Priority Soils Operable Unit (BPSOU). Draft Final Scrap H Road Construction Completion Report (CCR). Atlantic Richfield Company. November 16, 2018. Josh Bryson – Arco. Electronic Copy November 16, 2018. Ruthmeri Gleason – Pioneer Technical Services.

- Silver Bow Creek/Butte Area NPL site. Butte Priority Soils Operable Unit (BPSOU). Draft Final Northside Tailings/ East Buffalo Gulch Storm Water Basin Area Fill Characterization and Geotechnical Investigation Sampling and Analysis Plan (SAP). November 1, 2018. Electronic copy November 16, 2018. Ruthmeri Gleason – Pioneer Technical Services.

- Silver Bow Creek/Butte Area NPL site. Butte Priority Soils Operable Unit (BPSOU). Draft Final Quarterly Operations and Maintenance Report Butte Treatment Lagoon System – Third Quarter 2018. Atlantic Richfield Company. November 19, 2018. Electronic copy November 19, 2018. Ruthmeri Gleason – Pioneer Technical Services.

- Silver Bow Creek/Butte Area NPL Site. Butte Priority Soils Operable Unit (BPSOU). U.S. Environmental Protection Agency Draft Surface Water Technical Impracticability

Evaluation Butte Priority Soils Operable Unit Silver Bow Creek/Butte Area NPL Site Butte, Montana November 2018. Electronic copy Nov 19, 2018. Chris Wardell – EPA.

- Silver Bow Creek/Butte Area NPL Site. Butte Priority Soils Operable Unit (BPSOU). Final Northside Tailings/East Buffalo Gulch Area and Diggings East Stormwater Basin Area Remedial Design (RD) Fill Material Crushing/Screening Test. Josh Bryson – ARCO. Electronic copy November 19, 2018. Ruthmeri Gleason – Pioneer Technical Services.

- Mt Pole Superfund Site Construction Update. November 2018. Electronic Copy November 20, 2018. Karen Ogden – Mt DEQ

- Silver Bow Creek/Butte Area NPL Site. Butte Priority Soils Operable Unit Buffalo Gulch and Grove Gulch Remedial Action Draft Human Health and Environment Control Measures and Monitoring Plan November 2018. Atlantic Richfield. Prepared by: TREC. Electronic copy November 21, 2018. Adam Schlegel – TREC.

- Silver Bow Creek/Butte Area NPL Site. Butte Priority Soils Operable Unit (BPSOU) EPA Approval Letter. Draft Final Northside Tailings/East Buffalo Gulch Water Basin Area Fill Characterization and Geotechnical Investigation Sampling and Analysis Plan (dated November 16, 2018) and Draft Final Quality Assurance Project Plan for Northside Tailings/East Buffalo Gulch Storm Water Basin Area (dated November 16, 2018). Atlantic Richfield. Electronic copy November 29, 2018. Nikia Greene - EPA.

- Silver Bow Creek/Butte Area NPL Site. Final Butte Priority Soils Operable Unit Groundwater Monitoring Quality Assurance Project Plan (QAPP) 2018 Monitoring Period. Atlantic Richfield. Prepared by: TREC. Revision 1 December 7, 2018. Electronic copy December 7, 2018. Tina Donovan – TREC.

- Silver Bow Creek/Butte Area NPL Site Revision to Final Butte Priority Soils Operable Unit (BPSOU). Surface Water Monitoring Quality Assurance Project Plan (QAPP) 2018 Monitoring Period. June 2018. Josh Bryson – Arco. Electronic copy December 7, 2018. Tina Donovan – TREC.

- Butte Natural Resource Damage Council Meeting announcement. December 13, 2018. Electronic. Pat Cunneen - BNRC.

- Silver Bow Creek/Butte Area NPL Site. Butte Priority Soils Operable Unit (BPSOU) EPA Approval Letter. Draft Final Quarterly Operations and Maintenance Report Butte Treatment Lagoons System. Second Quarter 2018 dated August 30, 2018. Letter dated Dec. 11, 2018. Electronic copy December 11, 2018. Nikia Green – EPA.

- Silver Bow Creek/Butte Area NPL Site. Butte Priority Soils Operable Unit (BPSOU). EPA Comment Letter: Revised Draft Final Butte Treatment Lagoons Groundwater Treatment System Routine Operation & Maintenance Monitoring Plan, dated August 30,

2018. Letter dated Dec 11, 2018. Electronic copy Dec 11, 2018. Nikia Greene – EPA.

- Silver Bow Creek/Butte Area NPL Site. Butte Priority Soils Operable Unit (BPSOU). EPA Comments on the Revised Draft Final Butte Treatment Lagoons Groundwater Treatment System and Metro Storm Drain Sub-Drain Sampling and Monitoring Quality Assurance Project Plan (QAPP) dated October 31, 2018. Letter dated December 11, 2018. Electronic copy December 11, 2018. Nikia Greene – EPA.

- Silver Bow Creek/Butte Area NPL Site. Butte Priority Soils Operable Unit (BPSOU) Metro Storm Drain (MSD) Subdrain Inspection Video. ARCO. Electronic Link December 11, 2018. Connie Logan – Pioneer Technical.

- Silver Bow Creek/Butte Area NPL Site. Butte Priority Soils Operable Unit BPSOU. EPA Approval Letter. Revised Draft Final 2017 Surface Water Monitoring Data Summary Report: Normal Flow and Wet Weather. Letter Dated December 12, 2018. Electronic copy December 11, 2018. Nikia Greene - EPA.

- Silver Bow Creek/Butte Area NPL Site. Butte Priority Soils Operable Unit (BPSOU). EPA Response to CTEC Comments: Groundwater and Surface Water Interaction Report, dated February 14, 2018. Letter Dated December 13, 2018. Electronic Copy December 13, 2018. Nikia Greene- EPA.

- Silver Bow Creek/Butte Area NPL Site. Butte Priority Soils Operable Unit (BPSOU). EPA Approval Letter to Butte-Silver Bow Superfund Division's Residential Metals Abatement Program – 2017 Draft Final Construction Completion Report January 1 to December 31, 2017 (dated February 2018 and resubmitted June 6, 2018). Letter Dated December 17, 2018. Electronic copy December 17, 2018. Nikia Greene- EPA.

- Silver Bow Creek/Butte Area NPL Site. Butte Priority Soils Operable Unit (BPSOU). EPA Approval Letter Draft Final Quarterly Operations and Maintenance Report Butte Treatment Lagoon System – Third Quarter 2018 Atlantic Richfield Company (dated November 19, 2018). Electronic copy December 18, 2018. Nikia Greene – EPA

- Silver Bow Creek/Butte Area NPL Site. Butte Priority Soils Operable Unit (BPSOU) Final Quarterly Operations and Maintenance Report Butte Treatment Lagoon System – Second Quarter 2018. Josh Bryson – Atlantic Richfield. Electronic copy December 21, 2018. Ruthmeri Gleason – Pioneer Technical Services.

- Silver Bow Creek/Butte Area NPL Site. Butte Priority Soils Operable Unit (BPSOU). Final Quarterly Operations and Maintenance Report Butte Treatment Lagoon System – Third Quarter 2018 Atlantic Richfield Company December 21, 2018. Josh Bryson – Arco.

Electronic Copy December 21, 2018. Ruthmeri Gleason – Pioneer Technical Services.

MEDIA
October - December 2018

Montana Public Radio

After Decade Long Fight, Dirt Is Flying on Parrot Tailings Removal in Butte. Nora Saks. October 8, 2018.

Acting EPA Chief Says Superfund Remains A Priority. Nora Saks. October 2018.

DEQ Updates Butte on Montana Pole Plant Dioxin Cleanup. Nora Saks. October 2018.

Montana's Berkeley Pit Water Treatment Facility Begins Construction. Nora Saks. November 2018.

Montana Standard

Opportunity lawsuit could still go before U.S. Supreme Court Susan Dunlap susan.dunlap@mtstandard.com. Oct 1, 2018. The Opportunity lawsuit over whether the Environmental Protection Agency sufficiently plans to clean up the Opportunity and Crackerville communities..

A possible future for the middle of Butte unveiled Susan Dunlap susan.dunlap@mtstandard.com Oct 3, 2018 What the middle of town could look like when Superfund work is over was unveiled with a sketch Tuesday.

Greeley to Montana Resources: Dust is more than an irritant. Susan Dunlap. susan.dunlap@mtstandard.com. Oct 5, 2018. A list of metals so long it looks like the periodic table from a high school chemistry class is in the dust of at least one home in the Greeley neighborhood…

DEQ rejects a proposed solution to persistent Montana Pole Plant contamination. Susan Dunlap. susan.dunlap@mtstandard.com. Oct 6, 2018. A tool that exists naturally in the environment could solve the persistent problem with dioxin at the Montana Pole Plant Superfund site.

'Opportunity' for Atlantic Richfield? Kavanaugh recusal not expected if Supreme Court takes up case. Susan Dunlap. susan.dunlap@mtstandard.com. Oct 8, 2018. With Supreme Court Justice Brett Kavanaugh taking a seat on the bench Tuesday, his ascendancy to the highest court in the land is expected to …

Guest view: Nothing less than the best cleanup should be accepted. Fritz Daily. Oct 10, 2018. It is time for the EPA, the State, the Local government and Atlantic Richfield/British Petroleum Company to tell the truth about the type and …

Brain cancer 72 percent higher in Butte and Anaconda, researcher says. Susan Dunlap. susan.dunlap@mtstandard.com. Oct 18, 2018. Brain and central nervous system cancers in Butte-Silver Bow and Anaconda-Deer Lodge counties were 72 percent higher than all other Montana counties.

New health study in the works by local researchers. Susan Dunlap. susan.dunlap@mtstandard.com. Oct 29, 2018. As worry now swirls around one researcher's claim two weeks ago that certain cancers are higher here than in other Montana counties, state and…

Anaconda school stadium closed due to potential arsenic, lead contamination. Susan Dunlap. susan.dunlap@mtstandard.com. Oct 31, 2018. Anaconda School District 10 shut down Mitchell Stadium Wednesday morning due to a potentially contaminated rail line found buried underneath the football field.

Health meeting attracts relatively few in Butte. Susan Dunlap. susan.dunlap@mtstandard.com. Oct 31, 2018 At a meeting intended to gather resident concerns about possible mining and smelting contamination exposure Tuesday evening, there was low …

'They listened': Plans for new park on Superfund sites met with approval. Susan Dunlap. susan.dunlap@mtstandard.com. Nov 5, 2018. Lush grass, wetlands vibrant with birds, trails shaded by trees and bushes, a 3,500-seat amphitheater, and a multi-use 150-seat performance …

High-tech bird-hazing techniques on display at the Berkeley Pit. Ted McDermott. ted.mcdermott@mtstandard.com. Nov 10, 2018. On Friday afternoon, Ian Fairweather, president of Fairweather IT, remotely navigated a six-propeller drone his company designed and built tow…

Standard view: Upper Silver Bow Creek needs a creek. Nov 11, 2018. We've come a long way. The recently revealed plans for a park in the Upper Silver Bow Creek corridor show a ton of commitment by the principal…

Anaconda School Board wants Mitchell Stadium addressed. Susan Dunlap. susan.dunlap@mtstandard.com. Nov 13, 2018. With plans to dig in Mitchell Stadium to replace the irrigation system, Anaconda's school board wants the Environmental Protection Agency to …

Man sues Atlantic Richfield, alleges his health issues are related to the Washoe Smelter. Susan Dunlap. susan.dunlap@mtstandard.com. Nov 14, 2018. A former Mill Creek resident is suing Atlantic Richfield Company alleging that his neuropathy is a direct result of growing up next door to the…

Officials to consider connection between Montana Resources' dust and health of nearby residents. Susan Dunlap. susan.dunlap@mtstandard.com. Nov 16, 2018. Officials are open to taking Greeley residents' health concerns and Montana Resources' dust seriously.

EPA proposes waiving state water quality standards for Silver Bow Creek. Susan Dunlap. susan.dunlap@mtstandard.com. Nov 19, 2018. The Environmental Protection Agency is proposing to waive state water quality standards in parts of Silver Bow and Black tail creeks for copper…

Standard view: Is this really the best we can do on storm water? Nov 25, 2018. While it has been long expected by those watching Superfund developments here, last week's announcement by the EPA that it is proposing to waiver…

Fish numbers in Silver Bow Creek still struggling, despite decades of remediation work. Susan Dunlap. susan.dunlap@mtstandard.com. Nov 25, 2018. Despite more than $150 million spent and decades of work on both Silver Bow Creek and the Butte Hill, fish still struggle in the creek originally named by miners for the gleam of the sun on its waters.

Anaconda athletic stadium reopened after tests show lead, arsenic 'below levels of concern'. Susan Dunlap. susan.dunlap@mtstandard.com. Nov 26, 2018. The sign stating that Mitchell Stadium is contaminated and closed has come down, and the field is open to the public.

EPA to Butte, Anaconda: Wait a little longer. Susan Dunlap. susan.dunlap@mtstandard.com. Nov 28, 2018. Butte will not have a signed consent decree by the end of the year, say agency officials.

Strizic unsatisfied after council's session on Superfund questions. Susan Dunlap. susan.dunlap@mtstandard.com. Nov 30, 2018. Dan Strizic, former interim District 2 commissioner, says his Superfund-related questions were not answered at Wednesday night's council of council…

Consent-decree concerns. Dec 2, 2018. Recent Standard View and Guest View editorials have rightly pointed out that the community has resoundingly requested a restored creek as a co…

A ray of sunshine may soon shine on Anaconda. Susan Dunlap. susan.dunlap@mtstandard.com. Dec 4, 2018. Anaconda is one step closer to getting its ray of sunshine.

Montana Resources moves the ball forward on Greeley dust concerns. Susan Dunlap. susan.dunlap@mtstandard.com. Dec 6, 2018. Montana Resources is taking action to look at larger particulate matter in the Greeley neighborhood.

The sunshine gets a little brighter for Anaconda. Susan Dunlap. susan.dunlap@mtstandard.com. Dec 7, 2018. Anaconda residents will get their first taste in early January of what the rest of Anaconda's Superfund cleanup could look like.

Getting the Berkeley Pit under control: Pumping treated water could start as soon as March. Susan Dunlap. susan.dunlap@mtstandard.com. Dec 10, 2018. Montana Resources and Atlantic Richfield Company won't have the Berkeley Pit pilot project in time for Christmas this year, but the project is…

A memory of loss: Art memorializes dead geese. Susan Dunlap. susan.dunlap@mtstandard.com. Dec 10, 2018. About this time two years ago, many in Butte were grieving.

Butte-Silver Bow Council chair says Superfund, budget among top issues in 2019. Mike Smith. mike.smith@mtstandard.com. Dec 11, 2018. John Morgan, who will continue leading Butte-Silver Bow's Council of Commissioners for the next two years, sees Superfund and the next budget …

With no Evel Knievel Days in sight, county board allocates $100K to Butte festivals. Annie Pentilla. anne.pentilla@mtstandard.com. Dec 13, 2018. Butte's SARTA board voted Tuesday night to expend its full budget authority over funds reserved for Butte festivals, handing out $100,000 to e…

Shaun McGrath wearing new hat as DEQ boss. Susan Dunlap. susan.dunlap@mtstandard.com. Dec 14, 2018. Shaun McGrath, the new head of the state Department of Environmental Quality, was formerly regional administrator for the Environmental Protection…

Rick Tabish to Anaconda: Slag plant still on, maybe. Susan Dunlap. susan.dunlap@mtstandard.com. Dec 16, 2018. A much-ballyhooed slag processing plant planned for Anaconda is still in the works, despite a lack of activity so far at the site, says Rick Tabish…

New state cancer study shows mixed results for Butte cancer rates. Susan Dunlap. susan.dunlap@mtstandard.com. Dec 20, 2018. Over a recent four-year period, Butte-Silver Bow County residents suffered a "significantly higher" rate of death due to cancer than anywhere …

Northey Tretheway: Restore our Creek spokesman is Butte tough. Susan Dunlap. susan.dunlap@mtstandard.com. Dec 25, 2018. Despite his role as the spokesperson for Restore Our Creek Coalition, Northey Tretheway is no environmentalist.

EPA not affected by shutdown for now, but future uncertain. Susan Dunlap. susan.dunlap@mtstandard.com. Dec 27, 2018. The current federal government shutdown won't affect Butte or Anaconda's Superfund sites, at least for now, according to an email from EPA Region 8.

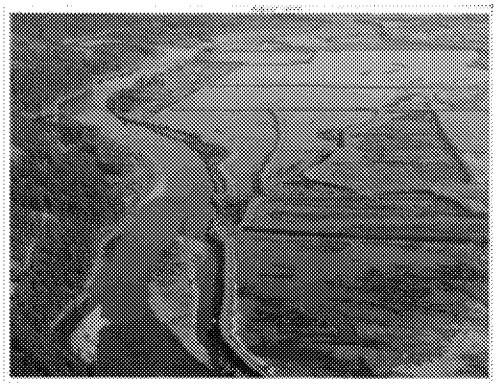
Trees planted to contain contamination are coming down at Montana Pole Plant site, worrying some. Susan Dunlap. susan.dunlap@mtstandard.com. Dec 27, 2018. The state is felling mature trees planted several years ago around the Montana Pole Plant site, causing distress for some observers who note…

2018's best stories: The Montana Standard news staffers choose their favorites. Dec 30, 2018. Superfund progress, a wolf-tracking range rider, blockchain technology, Butte police officers, a senator's spat with the president, and a much…

KBMF 102.5
AMERICA'S MOST RADIO
BUTTEAMERICARADIO.ORG

Superfund 101: Mark Mariano and the Berkeley Pit Bird Mitigation Program

Mark Mariano walks the rim of the Berkeley Pit at dawn and dusk at least five days a week looking for birds. After several thousand snow geese landed on the toxic waters in November of 2016, Montana Resources and Atlantic Richfield had to reevaluate the way they worked to keep birds out of the acidic and metal laden waters. In this interview Mark talks about what they have learned so far and the programs in place to avoid future disaster.

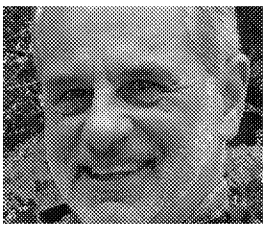


Federal Shutdown May Have Far Reaching Implications for Superfund

As the EPA moves to keeping only about 800 "necessary" staff on duty due to the federal shutdown, Dave Hutchins looks at how Superfund operations in the region will be affected.

Superfund 101 with David McCumber

David McCumber is the editor of the Montana Standard and has a long relationship with Superfund, starting with the Libby asbestos story. In this interview David talks about how he approaches the subject in Butte and what makes him take stands for or against certain measures in the cleanup.



Superfund 101 with Dan Strizic

Interim District 2 Commissioner Dan Strizic joins Superfund 101 to give his take on the presentation to the BSB Council last Wednesday by Jon Sesso. Strizic initiated the presentation with a communication asking for more clarification on Consent Decree negotiations and what the Council will need to be prepared for when it ends up at their door.

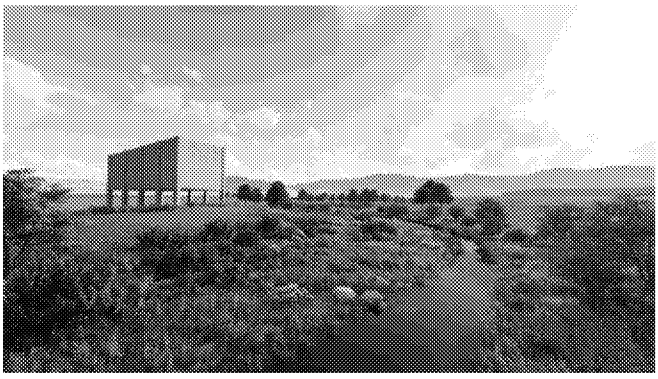
Superfund 101: Katie Hailer's Presentation Before the Butte Council of Commissioners

At last week's meeting, the Greeley Neighborhood Community Development Corporation Habitability and Mining Impact Task Force gave a presentation to the Butte Silver Bow Council of Commissioners on why they believe the neighborhood qualifies as a possible new operable unit under Superfund. Some of the main evidence for this claim comes from Montana Tech's Dr. Katie Hailer. In this episode we look at the research she has done on air

monitoring south of the current mining operations in Butte and the effects it may have on the population.

Superfund 101 with Sister Mary Jo MacDonald

Longtime activist Sister Mary Jo MacDonald talks about her dealings with Superfund, lawsuits and her desire to see a flowing creek in the middle of town.



Superfund 101: Landscape Design in the Silver Bow Creek Corridor with Stacey Robinson

Stacey Robinson of Land Design Inc, a Billings landscape architecture firm contracted to draft the plan for Butte Area One, talks about the challenges and opportunities of the historic Silver Bow Creek Corridor and what was gleaned from the community for the project.

Superfund 101: Suzanne McDermott

Suzanne McDermott is the author of a new paper entitled "Population-Based Mortality Suggests Remediation is Modestly Effective in Two Montana Superfund Counties." Suzanne spoke about her findings at Montana Tech recently and this episode of Superfund 101 is an overview of her presentation.