



MEMO

TO: Chair Holmlund & Subcommittee Members
FROM: Chris Dorrington, DEQ Director
DATE: January 26, 2021
SUBJECT: RE: Follow-Up Questions for DEQ

Chair Holmlund and Subcommittee Members,

Thank you for the opportunity to speak before the Joint Appropriations Subcommittee on Natural Resources and Transportation. DEQ was asked to provide follow-up information on several topics and we thank you for your thoughtful inquiries. Responses have been developed by DEQ staff on the following topics:

- 1) Waste Management and Remediation:
 - Libby Asbestos Superfund Oversight Committee Budget
 - Miles City Rail Yard Diesel Fuel Recovery
- 2) Water Quality:
 - Lead in Schools Sampling Summary
 - Tongue River Salinity
- 3) Air, Energy & Mining
 - Active Mining Applications
- 4) Common DEQ Acronyms

There are no current/pending applications under the Major Facility Siting Act (MFSA) program.

Waste Management & Remediation

Libby Asbestos Superfund Oversight Committee Budget

Budget Overview:

There are three types of funds available to the State of Montana for Libby Superfund Site for Operation and Maintenance (O&M). Some of the requirements for use of the funds is limited based on settlement or appropriation of money. DEQ will be asking the Advisory Team for input and discussion as things move forward. Here is a summary of the type of funds:

- 1) EPA has approximately \$11 million in O&M funds for all operable units excluding operable unit 3 (mine site) and operable unit 6 (BNSF). The funds are administered by EPA to DEQ through a cooperative agreement grant. DEQ currently has a small amount this year for Operable Unit 1 and Operable Unit 2 for general O&M, which includes site inspection and reporting. In addition, EPA will have their own charges to this funding source for administration and oversight.
- 2) The State of Montana, DEQ received \$5,167,000 for O&M as part of the 2008 bankruptcy settlement. A total of \$480,000 has been allocated from this account for FY2018, which was used

for oversight and support of the Advisory Team, since the 2015 SB315 appropriation and transfer did not start until July 1, 2018 (State Fiscal Year 2019).

3) As authorized in Montana Code Annotated 75-10-743(10)(c) and 75-10-704(4)(j)(l), DEQ received an appropriation of \$600,000 annual from an Orphan Share transfer that started July 1, 2018. In addition, Montana Code Annotated 75-10-1601 provides a framework on how this money can be used and establishes a permanent Trust fund to pay exclusively for costs to the State of cleanup and long-term O&M.

- 20% of the funds or \$120,000 allocated to trust fund.
- 80% of funds or \$480,000 allocated to cleanup operation and maintenance account. The balance from the \$480,000 allocated annually for O&M is moved to Libby Asbestos Cleanup Trust as an Income Transfer.
 - 25% of these funds or \$120,000 used for administrative purposes.

State Fiscal Year 2020 Budget: January 2020 Update

Libby Asbestos Cleanup Trust (Fund 09033)			
	Fund Balance (06/30/2020)	SFY 2021 Revenue	Current Fund Balance
530025 STIP Participant Earnings	\$19,976.39	\$1,596.63	\$21,573.02
582825 Income Transfers-Nonbudgeted	\$360,000.00	\$120,000.00	\$480,000.00
582852 Income Transfers	\$936,651.39	\$0.00	\$936,651.39
TOTALS	\$1,316,627.78	\$121,288.44	\$1,438,224.41

Summary from July 1, 2019 through December 31, 2020

Libby Asbestos Cleanup and Operations Account (Fund 02130) Summary from July 1, 2019 through December 31, 2020					
	Allocated Annually	Expenditures FY19 & 20	Expenditures FY21	Projected FY21 Expenditures	Projected Balance FY21
Personal Services	\$71,742.00	\$21,310.36	\$11,587.04	\$22,400.00	\$49,342.00
Operating Expenses	\$116,743.00	\$18,217.11	\$2,795.56	\$5,376.00	\$111,367.00
Transfer to Trust 09033	\$241,515.00	\$936,651.39	\$0.00	\$0.00	\$241,515.00
Lincoln County MOU	\$25,000.00	\$0.00	\$947.38	\$25,000.00	\$0.00
Fund reimbursement	\$25,000.00	\$0.00	\$0.00	\$25,000.00	\$0.00
TOTALS	\$480,000.00	\$976,178.86	\$15,329.98	\$77,776.00	\$402,224.00

Estimated expenses for the remainder of the year include:

- Personnel Services (salary and benefits) for DEQ staff time to support Libby Asbestos Superfund Oversight Committee efforts.
- Operating expenses for Lincoln County/DEQ Memorandum of Understanding.

Miles City Rail Yard Diesel Fuel Recovery

Recovery of approximately 500,000 gallons of diesel:

- Recovered diesel fuel was initially shipped by tank car to St. Paul, Minnesota for use in a heating plant and was also used as locomotive fuel. Later, recovered diesel fuel was filtered at the Railyard and blended with diesel for local use. By 12/1996, 477,235 gallons had been recovered.

- In 2003, approximately 1,000 gallons of diesel from the containment pit was recycled by Oily Waste Processors, Inc. (a firm that often recycles petroleum recovered during cleanups in Montana).
- By 2006, additional cumulative 16,935 gallons of diesel was recovered in the form of free product and diesel content in excavated soil. The recovered diesel was recycled by Oily Waste Processors, Inc. and the soils were disposed of at the Custer County Landfill (see below).

Disposal of approximately 1,300 cubic yards of contaminated soil:

- In 1995, approximately 80 cubic yards (y³) of diesel impacted soil from tank removals was taken for treatment to DEQ-permitted Hartman Landfarm in Miles City.
- In 2004, 1,876 tons (approximately 1,300cy³) of petroleum-impacted soil was disposed at the Custer County Landfill.

Water Quality

Lead in Schools Sampling Summary

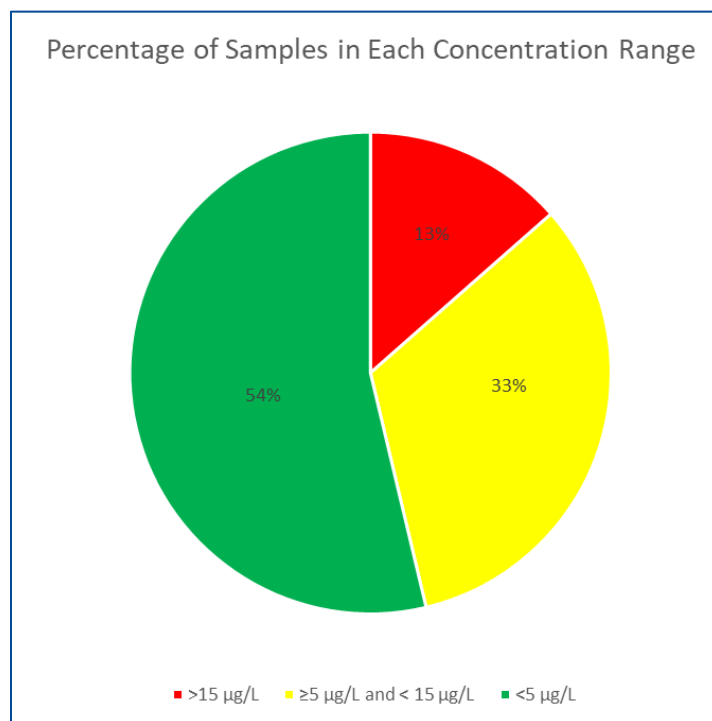
There are approximately 560 schools in Montana that must sample under the Lead Reduction in Schools Program. To date, 12 schools have sampled and reported results to DEQ:

- Cornelius Hedge Elementary School in Kalispell (remediation complete 10/1/2020)
- Jeannette Rankin Elementary School in Kalispell (remediation complete 9/21/2020)
- Lillian Peterson Elementary School in Kalispell
- Russell Elementary School in Kalispell (remediation complete 10/8/2020)
- Elrod Elementary School in Kalispell
- East Evergreen Elementary School in Kalispell
- Lakeside Elementary School in Kalispell
- Edgerton Elementary School in Kalispell
- Kalispell Middle School
- Noxon School (all samples below the action level of 5 µg/L, therefore no remediation required)
- Swan River School in Bigfork
- Creston School in Kalispell

The average number of human consumption fixtures sampled at each school is 75 and the distribution of sample results is shown in the figure to the right. The highest lead detection to date is 122 µg/L.

All schools’ first-round samples will be paid for by DEQ through an EPA grant authorized under the Water Infrastructure Improvements for the Nation (WIIN) Act.

Along with other state and federal partners, DEQ has identified the following remediation funding sources for schools in Montana. We are continuing to work on identifying other potential sources of lead remediation aid for schools.



- OPI/DEQ Remediation Grant – up to \$1,000 per school for reimbursement of remediation costs. OPI manages the reimbursement program and will automatically email the link to application based on sample results. (limited to available funds)
- OPI Permissive Levy – State Major Maintenance Aid (SMMA) through OPI
- Community Development Block Grant (CDBG)
- Montana Board of Investments – INTERCAP Loan Program
- MT State Revolving Fund (SRF) – Low interest loan program - This program, created by the 1996 Amendments to the Safe Drinking Water Act (SDWA), provides financial support to help water systems and states achieve public health protection. States rank the project applications they receive from water systems and produce a project priority list for funding.
- USDA Rural Development – low interest loans and grants available to eligible communities.
- Private Charities/Foundations – Town Pump, The Washington Group, Boeing (only in communities where Boeing facility is located), and others.

Tongue River Salinity

The Montana Department of Environmental Quality is developing an electrical conductivity (EC) total maximum daily load (TMDL) for a segment of the Tongue River within Montana. The Tongue River forms in the Big Horn Mountains west of Sheridan, Wyoming, flows across the Wyoming-Montana state border near Decker, and ends at its confluence with the Yellowstone River in Miles City, Montana (Figure 1 below). The TMDL will address EC, a type of salinity, and is being developed for the segment of the Tongue River from Beaver Creek to the Twelve Mile Dam (Figure 1). This segment is defined as Montana Assessment Unit MT42C001_014.

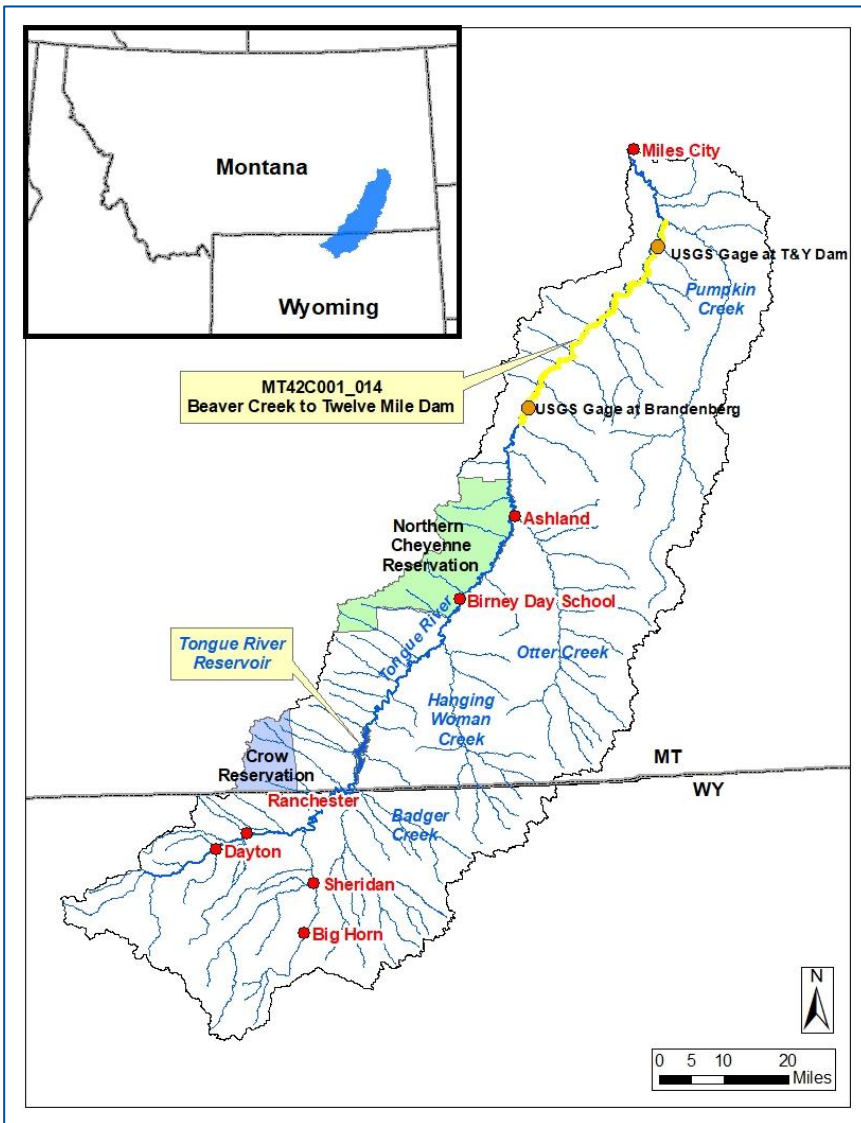
SWAT-SALT modeling in the Montana portion of the watershed shows that the top three anthropogenic sources of salinity, in no order, are: 1) irrigated agriculture, 2) coal mines, and 3) Coal Bed Methane (CBM) development. These three sources have contributed to significant increases in salt concentrations in the Tongue River in the Montana portion of the watershed based on SWAT-SALT modeling results. Since some of these same types of sources are in Wyoming, it is reasonable to assume that they also contribute to salinity consistent with findings from other studies (BOR, 2013). For instance, almost 2/3 of the irrigated agricultural land in the watershed and 75% of the CBM development is located within Wyoming (there are currently no active coal mines in the Wyoming portion of the Tongue River watershed). Furthermore, approximately 85% of the salt load at the mouth of the Tongue River in Miles City is present at the Wyoming border, suggesting that most of the salt in the watershed originates in Wyoming. A significant portion of this salt load can be attributed to natural background conditions.

A regional EC allocation approach will be used for the portion of the Tongue River watershed located within Wyoming. This means that an allocation will be set at the border, and it is ultimately up to the State of Wyoming to determine how sources are managed to achieve the allocation. This allocation will specifically apply at three different locations or streams at the Wyoming – Montana border: The Tongue River, Badger Creek, and Hanging Woman Creek.

The Wyoming EC allocation will be expressed as a percent reduction in total yearly EC/SC or salinity loading from the cumulation of all flows entering the Tongue River watershed from Wyoming into Montana. Montana DEQ's application of the USGS EGRET model at USGS gage 06306300 (Tongue River at State Line) shows an increasing trend in salinity concentrations from approximately 2005 to 2018; the range of increase has been about 8-12%. This will be the basis for the percent reduction from Wyoming. This reduction would mostly occur from a flushing of accumulated salinity (EC) from historical CBM production, and some reduction may also be derived from improvements in agricultural practices that have already been implemented within Wyoming.

Per a July 2018 meeting with the Sheridan Conservation District in Wyoming, conservation projects are being implemented within the Wyoming portion of the Tongue River watershed that could result in reductions in salt loading to the Tongue River. These projects include installation of riparian fencing and offsite watering, relocation of livestock corrals away from surface water, and conversion of flood irrigation systems to sprinkler irrigation.

Continued EC and flow measures along the Tongue River at the Wyoming - Montana border will be the primary approach to be used for measuring progress toward meeting the allocation. For the Hanging Woman Creek and Badger Creek watersheds, new development managed in a way that minimizes potential salinity transport to downstream waters would be an indicator of meeting the intent of the allocation.



Per a July 2018 meeting with the Sheridan Conservation District in Wyoming, conservation projects are implemented within the Wyoming portion of the Tongue River watershed that could result in reductions in salt loading to the Tongue River. These projects include installation of riparian fencing and offsite watering, relocation of livestock corrals away from surface water, and conversion of flood irrigation systems to sprinkler irrigation.

Continued EC and flow measures along the Tongue River at the Wyoming - Montana border will be the primary approach to be used for measuring progress toward meeting the allocation. For the Hanging Woman Creek and Badger Creek watersheds, new development could be managed in a way that minimizes potential salinity transport to downstream waters and would be an indicator of meeting the intent of the allocation.

References:

- 1) Hirsch, R.M., and De Cicco, L.A., 2015, User guide to Exploration and Graphics for River Trends (EGRET) and data Retrieval: R packages for hydrologic data (version 2.0, February 2015): U.S. Geological Survey Techniques and Methods book 4, chap. A10, 93 p.
- 2) Bureau of Reclamation, 2013. Quality of Water Colorado River Basin Progress Report No. 24
- 3) Bureau of Reclamation, 2017. Quality of Water Colorado River Basin Progress Report No. 25

Figure 1. Tongue River Watershed and River Segment with TMDL Development

Air, Energy and Mining

Hard Rock Mining Bureau – Active Mining Applications

A. Pending Operating Permit Amendments

Name	Permit No.	Amendment	Date Received	Status
Stillwater Mining Company – E. Boulder	00149	004	12/24/2020	Under 90-day DEQ initial review
E.S. Stone	00163	008	07/14/2020	Awaiting deficiency response. Latest letter sent by DEQ on 11/17/2020.
Barrick Golden Sunlight Mine	00065	017	03/30/2020	Additional info. submitted. Application deemed complete on 10/26/2020. Drafting EIS.
GCC – Three Forks (Geyser)	00184	002	02/27/2020	Additional info. submitted. Application deemed complete on 11/16/2020. Drafting EA.
Little Bear Construction, Inc.	00022	001	05/11/2020	Additional info. submitted. Application deemed complete on 01/05/2021. Drafting EA.
Meadow Holdings	00044	001	8/1/2020	Awaiting second deficiency response. Latest letter sent by DEQ on 12/29/2020.

B. Pending Operating Permit New Applications

Name	Permit No.	Amendment	Date Received	Status
Montana Frontier Sandstone – Jones Quarry	Pending (00201)	NA	06/15/2020	Application is incomplete. Awaiting response from company.
Potentate Mining, LLC – Sapphire Ranch Mine	Pending (00200)	NA	02/28/2020	Additional info. submitted. Application deemed complete on 10/06/2020. Drafting EA.
C3 Limited Liability Company – Anaconda Bench Mine	Pending (00202)	NA	07/14/2020	Application is incomplete. Awaiting response from company.
Green Diamond Resource Company	Pending (00203)	NA	01/13/2021	Request to transfer sites previously permitted by another company into new permit for new company. DEQ is processing.
NB5 Acquisition	Pending (00204)	NA	01/13/2021	Request to transfer sites previously permitted by another company into new permit for new company. DEQ is processing.

C. Pending Operating Permit Minor Amendments and Revisions

Name	Permit No.	Amendment or Minor Revision	Date Received	Status
Imerys Talc America, Inc. – Yellowstone Mine	00005	008	04/14/2020	Application is incomplete. Awaiting response from company.
Barretts Minerals Inc. – Regal Mine	00013	MR21-001	01/08/2021	Under 30-day DEQ initial review
Barrick Golden Sunlight Mine	00065	MR21-001	01/13/2021	Under 30-day DEQ initial review
Elkhorn Goldfields Inc.	00173	MR20-001	12/17/2020	Additional info. submitted on 01/25/2021. Under 30-day DEQ review.
Tintina America (BBC)	00188	MR 21-001	1/15/2021	Change in monitoring plan. Review on-going.

D. Pending Exploration License Amendments

Name	License No.	Amendment	Date Received	Status
GCC Three Forks	00843	AMD2	2/6/2020	Application complete, Draft EA complete, awaiting information from company regarding BLM conditions and timing of project.
Bob Waller	00815	AMD1	11/05/2020	Complete application, DEQ process is on hold pending USFS application review.
Big Sky Exploration LLC	00850	AMD4	01/25/2021	DEQ is working on completeness review

E. Pending Exploration License New Applications

Name	License No.	Amendment	Date Received	Status
Six-o-Six Holdings	00854	NA	1/5/2021	Complete application. Currently working on EA, which must be completed by April 5, 2021
Silver Trend Mines	00852	NA	10/5/2020	Complete application, Draft EA is complete, but cannot be finalized until USFS decision is issued which is pending SHPO concurrence and US Fish Wildlife input.
Montana Silver Mines Inc	00847	NA	4/20/2020	Complete application, DEQ process is on hold pending USFS application review.
Blue Arc LLC	00846	NA	3/6/2020	Complete application on 9/21/2020, Draft EA is complete, DEQ must finalize EA on or before February 3, 2021.
Edward Miller	00835	NA	11/09/2018	Application is incomplete. Awaiting response from company.

Coles Marketing Systems Inc.	00830	NA	5/4/2018	Complete application, DEQ process is on hold pending USFS application review.
Crevice Mining Group	00811	NA	10/19/2015	Application is incomplete. Awaiting response from company.

Coal and Opencut Mining Bureau - Active Mining Applications

Coal Pending Permitting Actions

Operator Name	Permitting Action	Date Received	Type of Action	Date Complete	Status
DECKER COAL COMPANY	EAST DECKER AMENDMENT 2	9/21/2018	Amendment	8/27/2019	DEQ sent operator acceptability deficiency letter on 12/20/19
SPRING CREEK COAL	AMENDMENT 5	12/30/2015	Amendment	8/2/2016	DEQ sent operator acceptability deficiency letter on 1/3/2019
WESTMORELAND ROSEBUD MINING LLC	AMENDMENT 5	2/17/2017	Amendment	5/24/2017	DEQ sent operator acceptability deficiency letter on 7/24/20
WESTMORELAND ROSEBUD MINING LLC	AREA A MAJOR REVISION	7/31/2020	Major Revision	Incomplete	Operator responded to DEQ completeness deficiency letter 1/22/2021
WESTMORELAND ROSEBUD MINING LLC	AREA D MAJOR REVISION	12/29/2020	Major Revision	Incomplete	Operator responded to DEQ completeness deficiency letter 1/12/2021

Opencut Pending Permitting Actions

Operator Name	Site Name	Date Received	Type of Application	Date Complete	Status
21 CONSTRUCTION INC	MCGINNIS NORTH	2/10/20	Permit	10/22/20	DEQ sent operator acceptability deficiency letter on 1/25/2021
AGGREGATE RESOURCES INC	TRACT 2	10/8/20	Permit	12/14/20	Application under review by DEQ
ALME CONSTRUCTION INC	BAKER 2	8/19/20	Amendment	9/11/20	Application under review by DEQ
AM WELLES INC	JEFFERSON	11/26/19	Amendment	1/30/20	Application under review by DEQ
AMERICAN COLLOID COMPANY	DAUN	9/27/19	Permit	12/30/20	Application under review by DEQ

Operator Name	Site Name	Date Received	Type of Application	Date Complete	Status
BLAINE COUNTY ROAD DEPARTMENT	POMEROY	12/7/20	Pre-application Meeting Request		
CAMERON SPRINGS LLC	CAMERON SPRINGS	11/2/20	Amendment	11/27/20	Application under review by DEQ
CARBON COUNTY	DYKSTRA	12/1/20	Amendment	12/8/20	DEQ sent operator acceptability deficiency letter on 1/11/2021
CARTER COUNTY	WAGON WHEEL	9/21/20	Amendment	10/29/20	DEQ sent operator acceptability deficiency letter on 12/11/20
CHOUTEAU COUNTY ROAD DISTRICT #2	ONSTAD	5/24/19	Permit	6/25/19	DEQ sent operator acceptability deficiency letter on 11/23/20
CITY OF TROY	TROY	10/27/20	Amendment	Incomplete	
DANIELS COUNTY	POLICE CREEK	12/22/20	Permit	1/13/21	Application under review by DEQ
DANIELS COUNTY	NELSON	12/22/20	Permit	1/13/21	Application under review by DEQ
DAWSON COUNTY ROAD DEPARTMENT	LEWIS PIT	11/27/20	Permit	12/10/20	DEQ sent operator acceptability deficiency letter on 1/6/21
DEPT OF JUSTICE - NATURAL RESOURCE DAMAGE PROGRAM	PARROT TAILINGS BORROW AREA	11/9/20	Permit	12/11/20	Application under review by DEQ
DOBBERSTEIN TOMMY	DOBBERSTEIN	11/10/20	Amendment	12/30/20	Application under review by DEQ
FIRSTMARK MATERIALS	OSCAR'S	4/22/19	Permit	4/25/19	DEQ sent operator acceptability deficiency letter on 6/30/20
FISHER SAND AND GRAVEL COMPANY	JAY ROSAAEN	4/24/20	Permit	8/19/20	DEQ sent operator acceptability deficiency letter on 1/14/21
FRANZ CONSTRUCTION INC	CAYER SCORIA PIT #1	12/6/18	Amendment	5/26/20	Application under review by DEQ

Operator Name	Site Name	Date Received	Type of Application	Date Complete	Status
FRANZ CONSTRUCTION INC	GUSTAFSON STATE LEASE SEC 11 12	12/28/20	Amendment	12/29/20	Application under review by DEQ
GENEREAUX GRAVEL	JOHN TOAVS GRAVEL PIT	6/3/20	Pre-application Meeting Request		
GOLDEN VALLEY COUNTY ROAD DEPARTMENT	TOLLETSON 2	10/13/20	Pre-application Meeting Request		
GRIFFITH EXCAVATING INC	BECHTOLD	10/23/20	Permit	11/6/20	Application under review by DEQ
GRIZZLY LOGGING AND GRAVEL PRODUCTS INC	GLAZIER	10/30/20	Amendment	Incomplete	DEQ awaiting response from operator
HELENA SAND AND GRAVEL INC	FOSTER	12/23/20	Amendment	12/30/20	Application under review by DEQ
HOREL JOE	FOURTEEN MILE	1/7/20	Permit	4/20/20	Application under review by DEQ
HUTTINGA, RICHARD	HUTTINGA	10/16/20	Amendment	10/27/20	Application under review by DEQ
JARUSSI, GENE	JARUSSI GRAVEL PIT	8/20/20	Permit	1/13/21	Application under review by DEQ
JIM GILMAN EXCAVATING INC	HAZEL RANCH	2/23/18	Amendment	3/23/18	DEQ sent operator acceptability deficiency letter on 6/30/20
JIMS EXCAVATING SERVICE	MOSSMAIN	12/9/19	Amendment	Incomplete	DEQ awaiting response from operator
JMAC RESOURCES INC	CARLISLE	11/13/17	Amendment	11/28/17	DEQ sent operator acceptability deficiency letter on 3/26/18
JOHN PIKE CONSTRUCTION INC	STANDIFORD	1/21/21	Amendment	1/22/21	Application under review by DEQ
KILBY BUTTE HUTTERIAN BRETHEN INC	SOUTH	12/2/20	Pre-application Meeting Request		
KNIFE RIVER - BILLINGS	BIGGERSTAFF	9/4/20	Amendment	Incomplete	DEQ awaiting response from operator
KNIFE RIVER - MISSOULA	MULLAN	10/21/20	Amendment	Incomplete	DEQ awaiting response from operator

Operator Name	Site Name	Date Received	Type of Application	Date Complete	Status
MADISON COUNTY RD DEPARTMENT	BAR 7 PIT	9/30/20	Pre-application Meeting Request		
MADISON COUNTY RD DEPARTMENT	GUINNANE	10/28/20	Amendment	Incomplete	DEQ awaiting response from operator
MADISON COUNTY ROAD DEPARTMENT #1	OXBOW	10/28/20	Amendment	Incomplete	DEQ awaiting response from operator
MALTA IRRIGATION DISTRICT	NELSON	11/29/18	Amendment	Incomplete	DEQ awaiting response from operator
MCCONE COUNTY ROAD DEPARTMENT	WRIGHT SCORIA	12/23/20	Permit	Incomplete	DEQ awaiting response from operator
MIKESELL, BRYAN	MIKESELL	8/20/20	Amendment	12/10/20	DEQ sent operator acceptability deficiency letter on 1/11/21
MK WEEDEN CONSTRUCTION INC	OLD TINDALL		Amendment	3/26/19	Application under review by DEQ
MOUDY WADE	MOUDY PIT	7/13/20	Amendment	9/16/20	Application under review by DEQ
MUSSELSHELL COUNTY ROAD DEPARTMENT	MC EAST DISTRICT	3/24/20	Permit	8/5/20	DEQ sent operator acceptability deficiency letter on 1/11/21
NEUMAN BRENT	NEUMAN GRAVEL PIT	12/30/20	Amendment	Incomplete	DEQ awaiting response from operator
NOBLE EXCAVATING INC	LAMBERT	10/29/20	Permit	11/23/20	Application under review by DEQ
NOBLE EXCAVATING INC	OLD LP MILL	6/2/20	Amendment	12/23/20	Application under review by DEQ
NOBLE EXCAVATING INC	SHELDON FLATS	5/28/20	Amendment	9/22/20	DEQ sent operator acceptability deficiency letter on 1/4/21
OLTROGGE CONSTRUCTION INC	WILCOX	7/10/20	Pre-application Meeting Request		
PONDERA COUNTY ROAD DEPARTMENT	HAYNE	12/21/20	Amendment	12/30/20	Application under review by DEQ
RIVERSIDE CONTRACTING INC	DONNES	2/5/19	Permit	2/11/19	DEQ sent operator acceptability deficiency letter on 6/22/20

Operator Name	Site Name	Date Received	Type of Application	Date Complete	Status
RIVERSIDE CONTRACTING INC	SCHAFF	1/4/21	Permit	1/21/21	Application under review by DEQ
RIVERSIDE CONTRACTING INC	SQUARE BUTTE	1/4/21	Permit	1/19/21	Application under review by DEQ
RIVERSIDE CONTRACTING INC	TRICKLE CREEK RANCH GRAVEL	4/6/20	Amendment	4/9/20	DEQ sent operator acceptability deficiency letter on 6/29/20
ROCK CREEK CATTLE COMPANY LTD	FOLEY	12/17/19	Permit	8/11/20	Application under review by DEQ
SHELLINGER CONSTRUCTION CO INC	SULLIVAN	11/18/20	Amendment	11/24/20	DEQ sent operator acceptability deficiency letter on 1/8/21
SHELLINGER CONSTRUCTION CO INC	GOOSE	11/20/20	Amendment	11/23/20	DEQ sent operator acceptability deficiency letter on 1/15/21
TMC INC	COSCIK	9/29/20	Amendment	10/15/20	DEQ sent operator acceptability deficiency letter on 11/25/20
TOWNSEND, TODD	TOWNSEND PIT 128	8/29/17	Permit	10/10/17	Application under review by DEQ
UNITED MATERIALS OF GREAT FALLS	JOHNSON #2	12/31/20	Amendment	1/15/21	Application under review by DEQ
VALLEY SAND AND GRAVEL LLC	MCHUGH 2	7/16/19	Permit	12/13/19	DEQ sent operator acceptability deficiency letter on 5/26/20
VOGEL, DANIEL J	HEREFORD	6/28/19	Amendment	Incomplete	DEQ awaiting response from operator
WICKENS CONSTRUCTION INC	WEINHEIMER	1/11/21	Pre-application Meeting Request		

Common DEQ Acronyms

ACM	Asbestos Containing Material
ACP	Asbestos Control Program
AEMD	Air, Energy & Mining Division
AML	Abandoned Mine Lands
AOC	Administrative Order on Consent

ARM	Administrative Rules of Montana
AQB	Air Quality Bureau
BER	Board of Environmental Review
BLM	U.S. Bureau of Land Management
CAA	Clean Air Act of Montana OR Federal Clean Air Act
CALA	Controlled Allocation of Liability Act
CD	Consent Decree OR Conservation District
CEA	Cooperative Enforcement Agreement
CECRA	Montana Comprehensive Environmental Cleanup & Responsibility Act
CERCLA	Federal Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
COMB	Coal and Opencut Mining Bureau
CSD	Centralized Services Division
CWA	Federal Clean Water Act
DEQ	Department of Environmental Quality
EA	Environmental Assessment
EC	Electrical Conductivity
EIS	Environmental Impact Statement
ENF	Enforcement Program
EPA	U.S. Environmental Protection Agency
FSB	Financial Services Bureau
FTE	Full-Time Equivalent
GWPCS	Ground Water Pollution Control System
HRMB	Hard Rock Mining Bureau
JV	Junk Vehicle (Montana Motor Vehicle Recycling and Disposal Act)
LASOC	Libby Asbestos Superfund Oversight Committee
MCA	Montana Code Annotated
MAPA	Montana Administrative Procedures Act
MEPA	Montana Environmental Policy Act
MFSA	Major Facilities Siting Act
MMRA	Metal Mine Reclamation Act
MPDES	Montana Permitted Discharge Elimination System
MSUMRA	Montana Strip and Underground Mine Reclamation Act
NEPA	National Environmental Policy Act

NESHAPS	National Emission Standards for Hazardous Air Pollutants
NON	Notice of Noncompliance
NOV	Notice of Violation
NPDES	National Pollutant Discharge Elimination System permit
NPL	National Priority List (Superfund)
OC	Opencut mining program
OU	Operable Unit
PTRCB	Petroleum Tank Release Compensation Board
PWS	Public Water Supply
RCRA	Resource Conservation and Recovery Act
SAR	Sodium Absorption Ratio
SEP	Supplemental Environmental Project
SHPO	Montana State Historic Preservation Office
SMES	Small Miner Exclusion Statement
TMDL	Total Maximum Daily Load
USACE	U.S. Army Corps of Engineers
USFS	U.S. Forest Service
USGS	U.S. Geological Society
UST	Underground Storage Tank
VL	Violation Letter
WL	Warning Letter
WMRD	Waste Management and Remediation Division
WPB	Water Protection Bureau
WQD	Water Quality Division
WQPB	Water Quality Planning Bureau
WQA	Montana Water Quality Act
WUTMB	Waste and Underground Tank Management Bureau