### MONTANA DEPARTMENT OF ENVIRONMENTAL QUALITY HARD ROCK MINING SECTION, MINING BUREAU OPERATING PERMIT – FIELD INSPECTION REPORT

Operating Permit #: 00030   Project: Montana Resources- Contnental Mine Complex   County: Butte-Silver Bow Continental Mine Complex     Inspector(s): Conor Fox and Ben Johnson (AQB), Garrett Smith (MB)   Permittee Rep(s): Jeremy Fleege     Agencies w/overlapping permit jurisdiction:   USFS   BLM   X   Other (EPA)   None     Minerals: Copper, molybdenum, mior silver   X   Active   Inactive   Suspended   Other     Veather: Mostly sunny, high temp 84*F   Type of Operation:   X   Active   Inactive   Suspended   Other     Yope of Open Pit   Indital (Pre-permitting)   Initial (Pre-permitting)   Underground   X   Regular Compliance     Placer   Placer   Amendment #   MR#   X   Complaint Received     X   Tailings Storage Facility: [X] Active or [] Inactive   Bond Release   Other (tour, data collection, baseline, TSF, etc.)- Combined with AQB oversight of source testing     0   Other: (surface rock picking, trenching or excavation)   NON issued   NON issued     Enterwise NVO = Not Observer, N/A = Not Applicable) Additional notes are italicized     Generation: Surface rock picking, trenching or excavation]     M1II   Combined with AQB oversight of source testing <tr< th=""><th>Perr</th><th colspan="8">ermittee: Montana Resources, LLC</th><th colspan="5">Inspection Date: June 25, 2024</th></tr<>	Perr	ermittee: Montana Resources, LLC								Inspection Date: June 25, 2024						
Vearest City or Town(s): Butte   Inspector(s): Conor Fox and Ben Johnson (AQB), Garrett   Permittee Rep(s): Jeremy Fleege     Smith (MB)   Agencies w/overlapping permit jurisdiction:   USFS   BLM   X   Other (EPA)   None     Minerals: Copper, molybdenum, minor silver   X   Active   Inactive   Suspended   Other     Veather: Mostly sunny, high temp 84*F   X   Active   Initial (Pre-permitting)   Other     Veather: Mostly sunny, high temp 84*F   Purpose of Inspection:   X   Regular Compliance     Valeerground   X   Regular Compliance   Amendment #   MR#     Valeerground   X   Regular Compliance   Viter (tour, data collection, baseline, TSF, etc.)- Combined with AQB oversight of source testing     Viter (surface rock picking, trenching or excavation)   NON issued   NON issued     INSPECTION CHECKLIST     Generation:     Yes   No   N/A     X   Incremental bonding requirements have been submitted     All mining-related disturbances within permitted and bonded areas     Complaint Received     X   Incremental bonding requirements have been submitted     A Incremental b	Ope	erating Permit #: 00030 Project: Montan							Nontana	Resources- County: Butte-Silver Bow				Bow		
Nearest City or Town(s): Butte   Permittee Rep(s): Jeremy Fleege     Inspector(s): Conor Fox and Ben Johnson (AQB), Garrett   Permittee Rep(s): Jeremy Fleege     Agencies w/overlapping permit jurisdiction:   USFS   BLM   X   Other (EPA)   None     Minerals: Copper, molybdenum, minor silver   X   Active   Inactive   Suspended   Other     Weather: Mostly sunny, high temp 84°F   Y   Active   Inactive   Suspended   Other     Ype of Operation:   Purpose of Inspection:   Y   Regular Compliance   Placer   Placer   Amendment #   MR#     Y Leach- Leach pads near HSB not receiving solution   Complaint Received   X   Tailings Storage Facility: [X] Active or [] Inactive   Bond Release     Mill   X   Other (tour, data collection, baseline, TSF, etc.)-Combined with AQB oversight of source testing     Other: (surface rock picking, trenching or excavation)   NON issued   NON issued     GENERAL:     Yes   No   N/O   N/A     Yes   No   N/O   N/A     Yes   No   N/O   N/A     Yes   No   N/O   Reclamation concurrent with mining: Ongoing reclamati	Cor Nearest City or Town(s): Butte									ontinental Mine			ex			
Inspector(s): Conor Fox and Ben Johnson (AQB), Garrett Smith (MB)   Permittee Rep(s): Jeremy Fleege     Smith (MB)   Agencies w/overlapping permit jurisdiction:   USFS   BLM   X   Other (EPA)   None     Minerals: Copper, molybdenum, minor silver   Suspended   Other   Other     Status:   X   Active   Inactive   Suspended   Other     Weather: Mostly sunny, high temp 84°F   Purpose of Inspection:   View (PPA)   None     Ype of Operation:   Purpose of Inspection:   View (PPA)   None     Volderground   Verthergeneriting)   Underground   X   Regular Compliance     Placer   Amendment #   MR#     X   Tailings Storage Facility: [X] Active or [] Inactive   Bond Release     Mill   X   Other (tour, data collection, baseline, TSF, etc.)- Combined with AQB oversight of source testing     Other: (surface rock picking, trenching or excavation)   NON issued   NON     GENERAL:   Inspector N/A = Not Applicable) Additional notes are italicized   Incremental bonding requirements have been submitted   All mining-related disturbances within permitted and bonded areas     X   In C   Incremental bonding requirements have been submitted   Following approve	Nea	Nearest City or Town(s): Butte														
Smith (MB)   Agencies w/overlapping permit jurisdiction:   USFs   BLM   ×   Other (EPA)   None     Agencies w/overlapping permit jurisdiction:   USFs   BLM   ×   Other (EPA)   None     Status:   X   Active   Inactive   Suspended   Other     Weather: Mostly sunny, high temp 84°F   Type of Operation:   Purpose of Inspection:   Verpose of Inspection:     ×   Open Pit   Initial (Pre-permitting)   Initial (Pre-permitting)   Verpose of Inspection:     Valuer   Placer   Amendment #   MR#     X   Leach- Leach pads near HSB not receiving solution   Complaint Received     X   Tailings Storage Facility: [X] Active or [] Inactive   Bond Release     Mill   X   Other (tour, data collection, baseline, TSF, etc.)-	Inspector(s): Conor Fox and Ben Johnson (AQB), Garrett									Permittee Rep(s): Jeremy Fleege						
Agencies w/overlapping permit jurisdiction:   USFS   BLM   X   Other (EPA)   None     Minerals: Copper, molybdenum, minor silver   Status:   X   Active   Inactive   Suspended   Other     Weather: Mostly sunny, high temp 84*F   Ype of Operation:   Purpose of Inspection:   Verpose of Inspection:   Verpose of Inspection:   Verpose of Inspection:   Verpose of Inspection:     X   Open Pit   Initial (Pre-permitting)   Initial (Pre-permitting)   Verpose of Inspection:   Verpose of Inspection:   X   Regular Compliance     Placer   Amendment #   MR#   X   Leach-Leach pads near HSB not receiving solution   Complaint Received   X   Tailings Storage Facility: [X] Active or [] Inactive   Bond Release     Mill   X   Inspectron or excavation)   NON issued   NON issued     Verpose of Inspection:     Verpose of Inspection:     Vill   X   Compliance   Amendment #   MR#     X   Leach-Leach pads near HSB not receiving solution   Compliant Received   X   Other (tour, data collection, baseline, TSF, etc.)-Combined with AQB oversight of source testing     Other: (surface rock picking, trenching or excavation)	Smit	Smith (IVIB)														
Minerals: Copper, molybdenum, minor silver   X   Active   Inactive   Suspended   Other     Status:   X   Active   Inactive   Suspended   Other     Weather: Mostly sunny, high temp 84°F   Purpose of Inspection:   X   Open Pit   Initial (Pre-permitting)     Underground   X   Regular Compliance   Amendment #   MR#     Placer   Amendment #   MR#   Amendment #   MR#     X   Leach- Leach pads near HSB not receiving solution   Complaint Received   Amendment #   MR#     X   Leach- Leach pads near HSB not receiving solution   Combined with AQB oversight of source testing   Other (tour, data collection, baseline, TSF, etc.)-Combined with AQB oversight of source testing     Mill   X   Other (tour, data collection, baseline, TSF, etc.)-Combined with AQB oversight of source testing   NON issued     INSPECTION CHECKLIST     (N/O = Not Observed, N/A = Not Applicable) Additional notes are italicized     GENERAL:     Yes   No   N/A   All mining-related disturbances within permitted and bonded areas     X   Image: Source testing approved mining plan and permit conditions   Reclamation concurrent with mining: Ongoing reclamation on TSF West <	Age	ncies w,	/ov	erlapp	ing	permit	urisdict	ion:		USFS			BLM	×	Other (EPA)	None
Status:   X   Active   Inactive   Suspended   Other     Weather: Mostly sunny, high temp 84°F   Purpose of Inspection:   X   Yee of Operation:   Yee of	Vilnerals: Copper, molybdenum, minor silver															
Weather: Mostly sunny, high temp 84°F   Purpose of Inspection:     Type of Operation:   Purpose of Inspection:     X   Open Pit   Initial (Pre-permitting)     Underground   X   Regular Compliance     Placer   Amendment # MR#     X   Leach-Leach pads near HSB not receiving solution   Complaint Received     X   Tailings Storage Facility: [X] Active or [] Inactive   Bond Release     Mill   X   Other (tour, data collection, baseline, TSF, etc.)-Combined with AQB oversight of source testing     Other: (surface rock picking, trenching or excavation)   NON issued     INSPECTION CHECKLIST     (N/O = Not Observed, N/A = Not Applicable) Additional notes are italicized     GENERAL:     Yes     Yes   No   N/A     X   Incremental bonding requirements have been submitted     X   Image Proved mining plan and permit conditions     X   Image Proved mining plan     X   Image Proved mining plan     X   Image Proved mining plan     X   Image Proved mining Proved mining Proved mining Proved monitoring plans     X   Image Proved minining Proved mining Proved mining Proved mining Proved	Status: X Active Inacti									Inactive		Suspended	Other			
Type of Operation:   Purpose of Inspection:     V   Open Pit   Initial (Pre-permitting)     Underground   X   Regular Compliance     Placer   Amendment # MR#     X   Leach- Leach pads near HSB not receiving solution   Complaint Received     X   Tailings Storage Facility: [X] Active or [] Inactive   Bond Release     Mill   X   Other (tour, data collection, baseline, TSF, etc.)- Combined with AQB oversight of source testing     Other: (surface rock picking, trenching or excavation)   NON issued     INSPECTION CHECKLIST     (N/O = Not Observed, N/A = Not Applicable) Additional notes are italicized     GENERAL:     Yes     No   N/O     X   Incremental bonding requirements have been submitted     X   Incremental bonding requirements have been submitted     X   Incremental bonding requirement with mining: Ongoing reclamation on TSF West     Embankment   Reclamation concurrent with mining: Ongoing reclamation on TSF West     Embankment   Soil salvage according to plan     X   Incomponery maintained: Soil salvaged from N/NW of TSF     West Embankment, some direct-hauled and placed on embankment     X	Weather: Mostly sunny, high temp 84°F															
X   Open Pit   Initial (Pre-permitting)     Underground   X   Regular Compliance     Placer   Amendment # MR#     X   Leach-Leach pads near HSB not receiving solution   Complaint Received     X   Tailings Storage Facility: [X] Active or [] Inactive   Bond Release     Mill   X   Other (tour, data collection, baseline, TSF, etc.)- Combined with AQB oversight of source testing     Other: (surface rock picking, trenching or excavation)   NON issued     INSPECTION CHECKLIST (N/O = Not Observed, N/A = Not Applicable) Additional notes are italicized     GENERAL:   X   All mining-related disturbances within permitted and bonded areas     Yes   No   N/O   N/A     X   Incremental bonding requirements have been submitted   Following approved mining plan and permit conditions     X   Image: Solid salvage according to plan   Soil salvage according to plan     X   Image: Solid salvage according to plan   Soil salvage according to plan     X   Image: Solid salvage according to plan   Soil salvage from N/NW of TSF     West Embankment   Some stockpilles property maintained: Soil salvage do an embankment	Туре	Type of Operation:									Pu	rpo	se of Inspect	ion:	,	
Underground   X   Regular Compliance     Placer   Amendment #   MR#     X   Leach-Leach pads near HSB not receiving solution   Complaint Received     X   Tailings Storage Facility: [X] Active or [] Inactive   Bond Release     Mill   X   Other (tour, data collection, baseline, TSF, etc.)- Combined with AQB oversight of source testing     Other: (surface rock picking, trenching or excavation)   NON issued     INSPECTION CHECKLIST (N/O = Not Observed, N/A = Not Applicable) Additional notes are italicized     GENERAL:   X   All mining-related disturbances within permitted and bonded areas     Yes   No   N/A     X   Incremental bonding requirements have been submitted     X   Incremental bonding requirements have been submitted <td< td=""><td>^</td><td>Open P</td><td>it</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>~</td><td>In</td><td>itial (Pre-per</td><td>mittir</td><td>ig)</td><td></td></td<>	^	Open P	it								~	In	itial (Pre-per	mittir	ig)	
Placer   Amendment #   MR#     ×   Leach-Leach pads near HSB not receiving solution   Complaint Received     ×   Tailings Storage Facility: [X] Active or [] Inactive   Bond Release     Mill   ×   Other (tour, data collection, baseline, TSF, etc.)- Combined with AQB oversight of source testing     Other: (surface rock picking, trenching or excavation)   NON issued     INSPECTION CHECKLIST   (N/O = Not Observed, N/A = Not Applicable) Additional notes are italicized     GENERAL:   Yes   No   N/O   N/A     X   Incremental bonding requirements have been submitted   areas     X   Incremental bonding requirements have been submitted     X   Incremental bonding approved mining plan and permit conditions     X   Incremental bonding approved monitoring plans     X   Incremental bonding approved monitoring plans     X   Incremental bonding concurrent with mining: Ongoing reclamation on TSF West Embankment     MATERIAL HANDLING:   Soil salvage according to plan     X   Interpretion concurrent with mining: Soil salvaged from N/NW of TSF West Embankment, some direct-hauled and placed on embankment     X   Interpretion concurrent with mining: Soil salvage from N/NW of TSF     Yes   No   N/O <td></td> <td>Underg</td> <td>rou</td> <td>ind</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>~</td> <td>Re</td> <td>egular Comp</td> <td>liance</td> <td></td> <td></td>		Underg	rou	ind							~	Re	egular Comp	liance		
×   Leach-Leach pads near HSB not receiving solution   Complaint Received     ×   Tailings Storage Facility: [X] Active or [] Inactive   Bond Release     Mill   X   Other (tour, data collection, baseline, TSF, etc.)- Combined with AQB oversight of source testing     Other: (surface rock picking, trenching or excavation)   NON issued     INSPECTION CHECKLIST   (N/O = Not Observed, N/A = Not Applicable) Additional notes are italicized     GENERAL:	~	Placer			,							A	mendment #	: · ·	MR#	
A Tailings Storage Facility: [X] Active of [] inactive   Bond Release     Mill   X   Other (tour, data collection, baseline, TSF, etc.)- Combined with AQB oversight of source testing     Other: (surface rock picking, trenching or excavation)   NON issued     INSPECTION CHECKLIST (N/O = Not Observed, N/A = Not Applicable) Additional notes are italicized     GENERAL:     Yes   No   N/O   N/A     X   Incremental bonding requirements have been submitted   Following approved mining plan and permit conditions     X   Image: Storage Facility (Storage Facility)   Reclamation concurrent with mining: Ongoing reclamation on TSF West Embankment     MATERIAL HANDLING:   Yes   No   N/A     X   Image: Storage Facility (Storage Facility)   Soil salvage according to plan     X   Image: Storage Facility (Storage Facility)   Soil salvage according to plan	$\widehat{}$	Leach-	Lea	cn pac	as n	ear HSB	not rec	eivin	ng solu	tion			omplaint Rec	ceived		
Mili   A   Other (tour, data collection, baseline, 15r, etc.)- Combined with AQB oversight of source testing     Other: (surface rock picking, trenching or excavation)   NON issued     INSPECTION CHECKLIST (N/O = Not Observed, N/A = Not Applicable) Additional notes are italicized     GENERAL:     Yes   No   N/O   N/A     X   Image: Colspan="2">All mining-related disturbances within permitted and bonded areas     X   Image: Colspan="2">Following approved mining plan and permit conditions     X   Image: Colspan="2">Soil salvage according to plan	^	Tailings	s Sto	orage I	Fac	iiity: [×	Active	or	j inact	ive		B	ond Release			
Other: (surface rock picking, trenching or excavation)   NON issued     INSPECTION CHECKLIST     (N/O = Not Observed, N/A = Not Applicable) Additional notes are italicized     GENERAL:     Yes   No   N/O   N/A     X   Image: Colspan="4">Combined with AQB oversight of Source testing     GENERAL:   INSPECTION CHECKLIST     Yes   No   N/O   N/A     X   Image: Colspan="4">Additional notes are italicized     GENERAL:   Image: Colspan="4">Image: Colspan="4">Combined with AQB oversight of Source testing     Yes   No   N/O   N/A = Not Applicable) Additional notes are italicized     GENERAL:   Image: Colspan="4">Image: Colspan="4">Image: Colspan="4">Image: Colspan="4">Colspan="4">Colspan= 4     Yes   No   N/O   N/A     Image: Colspan="4">Image: Colspan="4">Colspan= 4     X   Image: Colspan="4">Image: Colspan="4">Colspan= 4     X   Image: Colspan="4">Image: Colspan= 4     X   Image: Colspan= 4   Image: Colspan= 4     X   Image: Colspan= 4   Following approved monitoring plans     X   Image: Colspan= 4   Reclamation concurrent with mining: Congoing reclamation on TSF West		Mill × Other (tour, data collection, baseline									e, ISF, etc.)-					
Other: (surface Fock picking, trenching of excavation)     NON issued     INSPECTION CHECKLIST     (N/O = Not Observed, N/A = Not Applicable) Additional notes are italicized     GENERAL:     Yes   No   N/O   N/A     X   Image: Colspan="2">Incremental bonding requirements have been submitted     X   Image: Colspan="2">Collowing approved mining plan and permit conditions     X   Image: Colspan="2">Collowing approved monitoring plans     X   Image: Colspan="2">Collowing approved monitoring plans     X   Image: Colspan="2">Collowing approved monitoring plans     X   Image: Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan= 2"Colspan="2">Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Colspan="2"Co		Combined with AQB oversight of source testing														
INSPECTION CHECKLIST     (N/O = Not Observed, N/A = Not Applicable) Additional notes are italicized     GENERAL:   Incremental bonding requirements have been submitted and bonded areas     X   X   X   X   Incremental bonding requirements have been submitted     X   X   X   Incremental bonding requirements have been submitted     X   X   X   Incremental bonding requirements have been submitted     X   X   X   X   Incremental bonding requirements have been submitted     X   X   X   X   Incremental bonding requirements have been submitted     X   X   X   X   Incremental bonding requirements have been submitted     X   X   X   X   Incremental bonding requirements have been submitted     X   X   X   X   Incremental bonding requirements have been submitted     X   X   X   X   X   Incremental bonding requirements have been submitted     X   X   X   X   X   X   Incremental bonding concurrent with mining: Ongoing reclamation on TSF West     MATERIAL HANDLING:   X   X   X   X   Soil sa	Uther: (surface rock picking, trenching or excavation) NON issued															
GENERAL:     Yes   No   N/O   N/A     X   Image: Second S	(N/Q = Not Observed N/A = Not Applicable) Additional potes are italicized															
GENERAL:     Yes   No   N/O   N/A     X   I   Image: Colspan="5">All mining-related disturbances within permitted and bonded areas     X   Image: Colspan="5">Colspan="5">Colspan="5">Colspan="5">Colspan="5">Colspan="5">Colspan="5">Colspan="5">Colspan="5">Colspan="5">Colspan="5">Colspan="5">Colspan="5">Colspan="5">Colspan="5">Colspan="5">Colspan="5">Colspan="5">Colspan="5">Colspan="5">Colspan="5">Colspan="5">Colspan="5">Colspan="5">Colspan="5">Colspan="5">Colspan="5">Colspan="5">Colspan="5">Colspan="5">Colspan="5">Colspan="5">Colspan="5">Colspan="5">Colspan="5">Colspan="5">Colspan="5">Colspan="5">Colspan="5">Colspan="5">Colspan="5">Colspan="5">Colspan="5">Colspan="5">Colspan="5">Colspan="5">Colspan="5">Colspan="5">Colspan="5">Colspan="5">Colspan="5">Colspan="5"Colspan="5"Colspan="5">Colspan="5"Colspan="5"Colspan="5"Colspan="5">Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"No"   N/O   N/A   N/O   N/A   Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"Colspan="5"C	(N/O – NOT Observed, N/A – NOT Applicable) Additional notes are italicized															
Yes   No   N/O   N/A     X   Image: Second	GENERAL															
X   X   X   X   X   All mining-related disturbances within permitted and bonded areas     X   X   X   Incremental bonding requirements have been submitted     X   X   X   Following approved mining plan and permit conditions     X   X   X   Following approved monitoring plans     X   X   X   Following approved monitoring plans     X   X   X   Reclamation concurrent with mining: Ongoing reclamation on TSF West Embankment     MATERIAL HANDLING:   X   X   Soil salvage according to plan     X   X   X   Soil salvage according to plan     X   X   X   Soil stockpiles properly maintained: Soil salvaged from N/NW of TSF     West Embankment, some direct-hauled and placed on embankment   Special handling/stockpiling of materials consistent with plan	ULIN	Yes No N/O N/A														
Image: Control of the second of the secon		×				14/0		` 	All mining-related disturbances within permitted and bonded areas							
×     Following approved mining plan and permit conditions     ×     Following approved monitoring plans     ×     Following approved monitoring plans     ×     Reclamation concurrent with mining: Ongoing reclamation on TSF West Embankment     MATERIAL HANDLING:     Soil salvage according to plan     ×     Soil salvage according to plan     ×     Soil stockpiles properly maintained: Soil salvaged from N/NW of TSF West Embankment, some direct-hauled and placed on embankment     ×     Special handling/stockpiling of materials consistent with plan							×	1	Incremental bonding requirements have been submitted							
×   ×   ×   Following approved monitoring plans     ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×   ×		×						F	Following approved mining plan and permit conditions							
×   No   N/O   N/A     Yes   No   N/O   N/A     ×   I   Image: Solid salvage according to plan     ×		×						F	ollowi	ing approved monitoring plans						
MATERIAL HANDLING:   Embankment     Yes   No   N/O   N/A     X   I   I   Soil salvage according to plan     X   I   I   Soil salvage according to plan     X   I   I   Soil stockpiles properly maintained: Soil salvaged from N/NW of TSF     West Embankment, some direct-hauled and placed on embankment   Special handling/stockpiling of materials consistent with plan		×						F	Reclamation concurrent with mining: Ongoing reclamation on TSF West							
MATERIAL HANDLING:     Yes   No   N/O   N/A     X   Image: Constraint of the second								E	Embankment							
Yes   No   N/O   N/A     X   Image: Soli salvage according to plan   Soli salvage according to plan     X   Image: Soli salvage according to plan   Soli stockpiles properly maintained: Soil salvaged from N/NW of TSF     West Embankment, some direct-hauled and placed on embankment   Special handling/stockpiling of materials consistent with plan	MA	- FERIAL H	HAN		G:											
×   Soil salvage according to plan     ×   Soil salvage according to plan     ×   Soil stockpiles properly maintained: Soil salvaged from N/NW of TSF     West Embankment, some direct-hauled and placed on embankment     ×   Special handling/stockpiling of materials consistent with plan		Yes		No		N/O	N/A	4								
×   Soil stockpiles properly maintained: Soil salvaged from N/NW of TSF     West Embankment, some direct-hauled and placed on embankment     ×   Special handling/stockpiling of materials consistent with plan		×						5	Soil salvage according to plan							
West Embankment, some direct-hauled and placed on embankment       X     Special handling/stockpiling of materials consistent with plan		×						5	Soil stockpiles properly maintained: Soil salvaged from N/NW of TSF							
×     Special handling/stockpiling of materials consistent with plan								l	West Embankment, some direct-hauled and placed on embankment							
		× Special handling/stockpiling of materials consistent with plan														
FACILITIES:																
Yes No N/O N/A		Yes		No		N/O	N/A	4								
X Construction reports properly filed		×						(	Construction reports properly filed							
× Acceptable liner integrity		X						ŀ	Acceptable liner integrity							
×     Tailing impoundment/heap leach/dump design as approved		×						T	Tailing	iling impoundment/heap leach/dump design as approved						

	×					Road construction as approved			
WAT	ER CON	ITR	OLS:						
	Yes		No	N/O	N/A				
	×					Erosion-control measures concurrent with mining, BMPs in place:			
						Maintenance and repairs to follow Erosion Control Plan as needed.			
	×					Erosion/sedimentation mitigations acceptable			
	×					Culverts installed and maintained as approved			
	×					Diversions maintained and functioning as approved: Diversions and			
						berms were enhanced following brief water release in Nov. 2023			
	×					Process/storage/settling pond(s) constructed, operating, and			
						naintained			
	×					Acid rock drainage controlled			
	×					Adequate freeboard in all solution storage and process facilities			
AIR (	QUALIT	Y:							
	Yes		No	N/O	N/A				
	×					Acceptable air quality: No significant fugitive dust observed. Water is			
						sprayed on the roads and multiple strategies are used on the tailings			
OTH	ER:								
	Yes		No	N/O	N/A				
	×					Noxious weeds controlled			
	×					Wildlife mitigations in place and functioning			
					×	Cultural resource mitigations properly implemented			
			×			Water sample(s) taken			
			×			Materials sample(s) taken			
	×					Photos taken			
	×					Are revisions or amendments anticipated in the next year? Future			
						amendment for TSF expansion, potential disposal of offsite waste			
						(BPSOU), potential developments for critical mineral recovery			
			×			Is comprehensive 5-year bond review due in the next year? Date of next			
						5-year bond review: Final due in January 2026			
						Other:			

**DISCUSSION:** DEQ staff arrived at Montana Resources (MR) offices at ~10:50 AM. With representatives from the Air Quality and Mining Bureaus, the site inspection had a dual focus: 1) to oversee source testing being conducted by Bison Engineering (MR contractor) as a requirement for the Montana Air Quality Permit (MAQP 1749-14); and 2) to review the status of mining activities in the Continental Pit, Horseshoe Bend (HSB) area, and the Yankee Doodle Tailings Storage Facility (TSF). A preliminary meeting was held to review the goals for the inspection. **Compliance assistance and recommendations are provided in bold.** 

#### Processing Facilities- Source Testing

The inspection began around the crushing, milling, and concentrator facilities located on the southern end of the site (Photos 1 through 3). Although the facilities are critical for mining operations, these are pre-1971 processing facilities that are exempt from the Hard Rock Mining Operating Permit (Attorney General Opinion, 1977). However, the MAQP includes these facilities and the permit requires that emission sources be tested on a 4-year interval. Bison Engineering was contracted to conduct sampling over multiple days. Two baghouses associated with the fine ore bins were being tested during this inspection, so the sampling was focused on particulate matter and the efficiency of filtration systems. Additional details are provided in a separate inspection report issued by DEQ-AQB.

#### Horseshoe Bend (HSB), Seep 10, and Water Treatment

On the way to the HSB area, the new copper precipitation plant was observed (Photos 4 and 5). This plant was approved as permit revision 22-001 on 10/26/2022, and MR noted that it was commissioned in late spring 2024. The new plant is functioning well, operating on a similar scale as the old plant that was recently demolished and removed from the HSB footprint. The process of cementing copper on scrap iron is not technically sophisticated, but it remains effective to remove copper from water in the Berkeley Pit and HSB seepage sources, before the water is treated or managed in other ways.

The construction of layered rock drains and seepage conveyance features continues in the HSB area (Photos 6 through 10). DEQ approved Minor Amendment 011 on 7/14/2022 for the construction of the HSB Rock Disposal Site (RDS) at the southern toe of the Yankee Doodle TSF. The RDS design includes a foundation drainage layer and engineered rock drains to capture and convey seepage flows from underneath the RDS, through a conveyance channel, and then to the management and treatment systems required under the Butte Mine Flooding Operable Unit (BMFOU) remedy. The old precipitation plant has been completely demolished and removed (Photos 15 and 16), but the placement of non-ore rock into the RDS will not occur until drain construction is complete (likely by 2025). As a component of Minor Amendment 011, the "Seep 10" that emanates on a bench above HSB has also been diverted into a channel, pond, and pipeline, to be routed around the future HSB RDS (Photos 13, 14, and 17). The outlet weir connected to a pipeline is continuously monitored for flow and sampled semi-annually for water quality.

The HSB water treatment plant was then observed prior to leaving the area. The clarifiers were empty for cleaning and maintenance (Photo 11). MR is currently coordinating with a research group from West Virginia to evaluate the potential to recover rare earth elements (REE) or other critical minerals (CM) from the precipitated sludge produced by water treatment. The geotubes that were used for preliminary testing in 2023 are still located to the south of the treatment plant, they will eventually be removed when material is no longer needed for analysis (Photo 12). See the DEQ inspection report from 9/28/2023 for additional details. Similar to the recovery of precipitated copper, the extraction of REE/CM from water treatment sludge would constitute the production of "minerals in commercial quantities for sale, beneficiation, refining, or other processing or disposition" (definition of mining, 82-4-301, MCA). **Depending on the development of project funding and additional investigations, DEQ recommends further discussion about the potential permit implications for recovery and/or reprocessing systems. The operation, reclamation, and financial assurance for such systems should be considered with regard to overlapping BMFOU water treatment requirements.** 

#### TSF- Tailings Management and Reclamation

The TSF was accessed near Booster Station 3, along a portion of the East-West Embankment. A wide beach area is important to separate the tailings pond from the embankments, thus contributing to the safety and stability of the facility. There are now 28 tailings discharge points around the TSF perimeter, which allow greater flexibility for selectively applying slurry in areas that might become dry and prone to blowing dust, and to control the sequential development of the beach and pond areas (Photos 19 through 23). During this site visit, there were very few surfaces across the beach that were not saturated, and no blowing dust was observed. The placement of magnesium chloride storage tanks and bladders around the TSF also allows for more rapid filling and deployment of the tracked vehicles used for dust suppression (Photos 20 and 21). The new access road to the pond and pumping barge is being utilized (Photos 22 and 23) and the placement of rock along the North-South Embankment to construct a "step-out" and access ramp is ongoing (Photo 24).

In late 2023, grading and soil placement occurred over approximately 21.7 acres on the downstream face of the West Embankment. A small portion of the area (2.7 acres) was covered with variable depths of topsoil and organic amendments, as test plots for investigating alternative reclamation strategies. All areas were seeded in spring 2024 and will be monitored over the upcoming growing seasons. If new methods are ultimately identified and proposed for completing the final reclamation, the Reclamation Plan must be revised accordingly. If test plot areas fail to meet the requirements for comparable stability and utility to adjacent lands (82-4-336(9), MCA), then additional reclamation work would be

# required (i.e. alluvium or soil placement) in order to comply with the approved Reclamation Plan and to be eligible for bond release.

#### Continental Pit and E East Layback

As documented in 2022 and 2023 inspections, MR observed areas of instability on the D East highwall in the Continental Pit during fall 2022. Revision MR22-002 was approved on 10/26/2022 for additional disturbance and overburden removal to the east of the highwall (termed "E East"), to create a shallower slope on the rock face and limit future instability (Photos 25 and 26). The blasting plan was later modified in revision 23-003 (approved 9/27/2023) to state that no blasting would occur within 500 feet of the Interstate 15 right-of-way without prior approval from DEQ in consultation with the Montana Department of Transportation (MDT). Disturbance and overburden removal have expanded in this area, but blasting has not yet occurred within a distance that requires additional coordination and approval from DEQ and MDT (Photos 27 through 34). MR anticipates that blasting within this buffer distance may occur within the next year, so DEQ recommends proactive communication and preparation for any modified blasting methods or traffic control that may be needed.

#### **Other Permit Topics**

- As described in recent news articles, plans continue to evolve for the disposal of material to be removed under Butte Priority Soils Operable Unit (BPSOU) activities. Potential repository locations are being evaluated by a siting committee, which include sub-aqueous disposal in the Berkeley Pit, a dry repository near Shields Avenue that would be removed from the mine permit boundary and transferred to Atlantic Richfield, and an additional location (on Atlantic Richfield property) for disposal of material with organic or hydrocarbon contaminants. DEQ requests additional information and discussion with MR as these plans develop, to facilitate timely processing for any associated permit actions that may be required.
- The "Pilot Project" conducted under BMFOU has resulted in a notable reduction in the volume of the TSF pond since 2019. The current management strategies will continue to maintain the operational pond volume approved through Amendment 010 (~15,000 acre-ft). This aligns with plans proposed under the BMFOU Pilot Project to demonstrate the management of the pond and evaluate treatment scenarios. Any proposed changes to the management strategies for the TSF pond that are evaluated and approved by BMFOU parties should also be incorporated into the mine permit, likely through the next major amendment.
- The next amendment to raise the TSF embankments would require an updated Design Document and Tailings Operation, Maintenance, and Surveillance (TOMS) Manual. The TOMS Manual must include an emergency preparedness and response plan based on the failure modes and effects analysis or other appropriate risk assessment (82-4-379(3)(i), MCA). DEQ currently has an Emergency Action Plan from 2011 for the facility, but a new version will be needed to reflect modifications to the TSF and updated risk assessments. As part of the next amendment submittal, DEQ recommends the development of an Emergency Action Plan that addresses this requirement, while protecting any potentially sensitive information.

The inspection concluded around 2:15 PM, with a wrap-up of the concepts that were discussed during the inspection. There were no issues identified that need immediate attention, although DEQ anticipates additional discussion about the topics in bold.

Signature of Inspector(s):	- Just Just	Date:	7/5/2024
Signature of Reviewer:	Millie Obr	Date:	7/8/2024
Copy reports to:	Permittee (c/o Mark Thompson, Montana Resources); File	00030.3	

#### Photos: See attached photo log



## Hard Rock Mining Section Inspection Photo Log

## Permit: 00030 2024-06-25-inspect

Inspector(s): Garrett Smith Date: 06/25/2024



Earthstar Geographics | Montana State Library, Esri, TomTom, Garmin, SafeGraph, GeoT... Powered by Esri

Photo #: 1 File: image-20240625-171706.jpg Location: -112.51328, 46.00807 Date, Time: 2024/06/25, 11:17:07 Description: View of crusher facility from office access road



Photo #: 2 File: image-20240625-172252.jpg Location: -112.50157, 46.00824 Date, Time: 2024/06/25, 11:22:53 Description: Source testing is being conducted for Air Quality Permit



Photo #: 3 File: image-20240625-172314.jpg Location: -112.5015, 46.00827 Date, Time: 2024/06/25, 11:23:14 Description: Two stacks/filtration systems are being tested simultaneously.



Photo #: 4 File: image-20240625-181541.jpg Location: -112.49924, 46.02116 Date, Time: 2024/06/25, 12:15:41 Description: The new copper precipitation plant is operational



Photo #: 5 File: image-20240625-181551.jpg Location: -112.49926, 46.02116 Date, Time: 2024/06/25, 12:15:51 Description: The new copper precipitation plant is operational



Photo #: 6 File: image-20240625-182133.jpg Location: -112.5025, 46.02722 Date, Time: 2024/06/25, 12:21:33

Description: Seepage observed within the newly constructed rock drains in the Horseshoe Bend area



Photo #: 7 File: image-20240625-182150.jpg Location: -112.50209, 46.0277 Date, Time: 2024/06/25, 12:21:50 Description: Construction of rock drains in the Horseshoe Bend area is ongoing



Photo #: 8 File: image-20240625-182242.jpg Location: -112.50208, 46.02771 Date, Time: 2024/06/25, 12:22:42 Description: Construction of rock drains in the Horseshoe Bend area is ongoing



Photo #: 9

File: image-20240625-182255.jpg

Location: -112.50209, 46.02771

Date, Time: 2024/06/25, 12:22:55

Description: Construction of rock drains in the Horseshoe Bend area is ongoing, this shows a cross-section of the drain layers



Photo #: 10 File: image-20240625-182347.jpg Location: -112.50208, 46.02768 Date, Time: 2024/06/25, 12:23:47 Description: Seepage from the rock drains is conveyed away from the Horseshoe Bend area through a channel



Photo #: 11

File: image-20240625-182912.jpg

Location: -112.49803, 46.0206

Date, Time: 2024/06/25, 12:29:12

Description: The clarifiers at the HSB Water Treatment Plant were empty for cleaning and maintenance.



Photo #: 12 File: image-20240625-183322.jpg Location: -112.49734, 46.01951 Date, Time: 2024/06/25, 12:33:22

Description: Geo-tubes used for condensing treatment plant sludge (fall 2023 testing) are being stored south of the HSB area



Photo #: 13 File: image-20240625-184204.jpg Location: -112.5084, 46.02938 Date, Time: 2024/06/25, 12:42:04 Description: A newly constructed lined channel conveys flow away from the Seep 10 bench



Photo #: 14 File: image-20240625-184213.jpg Location: -112.50839, 46.02938 Date, Time: 2024/06/25, 12:42:14 Description: A newly constructed lined channel conveys flow away from the Seep 10 bench, flow is measured at the outlet to this collection pond



Photo #: 15 File: image-20240625-184930.jpg Location: -112.50973, 46.0331 Date, Time: 2024/06/25, 12:49:30 Description: Overview of the HSB area



Photo #: 16 File: image-20240625-184944.jpg Location: -112.50973, 46.03312 Date, Time: 2024/06/25, 12:49:44 Description: Overview of the HSB area, with active mining in the Continental Pit in the distance



Permit: 00030-2024-06-25-inspect June 25, 2024 Photo #: 17 File: image-20240625-184956.jpg Location: -112.50974, 46.03312 Date, Time: 2024/06/25, 12:49:56 Description: Overview of HSB area and Berkeley Pit in the distance, the Seep 10 conveyance system is in the lower left foreground.



Permit: 00030-2024-06-25-inspect June 25, 2024 Photo #: 18 File: image-20240625-185107.jpg Location: -112.50972, 46.0331 Date, Time: 2024/06/25, 12:51:07 Description: View of active mining in the Continental Pit, from the HSB overlook



Photo #: 19 File: image-20240625-185932.jpg Location: -112.51203, 46.0383 Date, Time: 2024/06/25, 12:59:32

Description: TSF- the upstream faces of embankments have been graded and covered with alluvium/fine material. Multiple discharge locations are effective at wetting the tailings beach surfaces



Photo #: 20

File: image-20240625-190005.jpg Location: -112.50605, 46.03605

Date, Time: 2024/06/25, 13:00:05

Description: TSF- the upstream faces of embankments have been graded and covered with alluvium/fine material. View of the West Embankment, with two tracked vehicles on the beach surface to apply dust suppressant



Photo #: 21 File: image-20240625-190016.jpg Location: -112.50605, 46.03605 Date, Time: 2024/06/25, 13:00:16 Description: View of the West Embankment and the upper/remaining portion of Rocky Knob outcrop, a tracked vehicle is directly to the right of this feature



#### Photo #: 22 File: image-20240625-190029.jpg Location: -112.50604, 46.03605 Date, Time: 2024/06/25, 13:00:29

Description: TSF- the upstream faces of embankments have been graded and covered with alluvium/fine material. Multiple discharge locations are effective at wetting the tailings beach surfaces. View of the North/South Embankment and the barge access road.



Photo #: 23 File: image-20240625-190204.jpg Location: -112.50602, 46.03605 Date, Time: 2024/06/25, 13:02:04 Description: Multiple discharge locations are effective at wetting the tailings beach surfaces. The supernatant pond is visible in the distance



Photo #: 24 File: image-20240625-191802.jpg Location: -112.494, 46.03446 Date, Time: 2024/06/25, 13:18:03 Description: Step out and access ramp construction on the North/South Embankment



Photo #: 25 File: image-20240625-192327.jpg Location: -112.49315, 46.03383 Date, Time: 2024/06/25, 13:23:27 Description: Progress of mining in Continental Pit



Photo #: 26 File: image-20240625-192400.jpg Location: -112.47136, 46.01983 Date, Time: 2024/06/25, 13:24:00 Description: Progress of mining in Continental Pit



Photo #: 27 File: image-20240625-192935.jpg Location: -112.46552, 46.0116 Date, Time: 2024/06/25, 13:29:35 Description: Shovel is being moved t

Description: Shovel is being moved to a new location along the E East layback (ongoing maintenance)



Photo #: 28

File: image-20240625-192956.jpg

Location: -112.46539, 46.01169

Date, Time: 2024/06/25, 13:29:56

Description: Shovel is being moved to a new location along the E East layback (ongoing maintenance)



Photo #: 29 File: image-20240625-193057.jpg Location: -112.46529, 46.01186 Date, Time: 2024/06/25, 13:30:57 Description: Progress of E East layback



Photo #: 30 File: image-20240625-193324.jpg Location: -112.46544, 46.01203 Date, Time: 2024/06/25, 13:33:24 Description: Active mining within Continental Pit, as viewed from E East



Photo #: 31 File: image-20240625-193336.jpg Location: -112.46543, 46.01203 Date, Time: 2024/06/25, 13:33:37 Description: View of Berkeley Pit and Central Zone area, as seen from E East



Photo #: 32 File: image-20240625-193511.jpg Location: -112.46531, 46.01202 Date, Time: 2024/06/25, 13:35:11 Description: Reclamation and vegetation between E East and permit boundary/interstate



Photo #: 33 File: image-20240625-193519.jpg Location: -112.46531, 46.01202 Date, Time: 2024/06/25, 13:35:19 Description: Reclamation and vegetation between E East and permit boundary/interstate



Photo #: 34 File: image-20240625-193709.jpg Location: -112.4654, 46.01202 Date, Time: 2024/06/25, 13:37:09 Description: Progress of E East layback



Photo #: 35 File: image-20240625-194858.jpg Location: -112.49381, 46.00576 Date, Time: 2024/06/25, 13:48:58

Description: Constructed berm and pipeline corridor to maintain storm water and/or process solution capture (see 11/29/2023 inspection for details)



Photo #: 36 File: image-20240625-195422.jpg Location: -112.51294, 46.01133 Date, Time: 2024/06/25, 13:54:22 Description: Berkeley Pit, as seen from bird monitoring station



Photo #: 37 File: image-20240625-195430.jpg Location: -112.51294, 46.01133 Date, Time: 2024/06/25, 13:54:30 Description: Berkeley Pit, as seen from bird monitoring station

