



July 18, 2024

Hunter Ridley Colorado Division of Reclamation, Mining and Safety 1313 Sherman Street, Room 215 Denver, CO 80203

RE: Peabody Sage Creek Mine, Permit C-2009-087, Second Quarter 2024 IIR

CDRMS-

In accordance with Rule 4.05.9(17), please find enclosed the Peabody Sage Creek Mine (PSCM) Impoundment Inspection Report (IIR) and Impoundment Inspection Log (IIL). Please contact me with any comments and/or questions.

Best regards,

Miranda Kawcak

Miranda Kawcak Environmental Manager Peabody, Colorado Operations

Enclosure: PSCM 2Q24 IIR

	PERIODIC INSPECTION FORM: Water, Se	ediment, or Slurry Impoundr	nents		
INS	PECTOR'S NAME: Jason Herden	DATE: 06/10/24			
NPI	DES I.D. NO.: CO-0048275 D.P. 002				
FAC	CILITY CONFIGURATION: Incised Pond	DATE LAST INSPECTION: 03	/26/24		
SITI	E NAME: Wadge Impoundment #002	LOCATION: NW¼ NE¼, Sec.	2, T5N, R	87W	
MII	NE NAME: Peabody Sage Creek Mine	LOCATION: 7.1 mi. SE of Ha	yden, CO		
MII	NE I.D. NO.: CMLRD Permit No. C-2009-087	OWNER'S REP.: Miranda Ka	wcak		
	CIRCLE OR WRITE IN APPROPRIATE RESI	PONSE:	YES	NO	N/A
1	Foundation preparation (removal of vegetation, stumps, tops	oil:			х
2	Lift thickness:				х
3	Compaction according to approved plan:				х
4	Burning (specify extent and location):				х
5	Angle of slope:upstream,downstream		Tot	tal = N/A	\
6	*Seepage (specify location, color, and approximate volume)				
	From underdrain pipes				х
	At isolated points on embanckement slopes				х
	At natural hillside:				х
	Over widespread areas:				х
	From downstream foundation area:				х
	"Boils" beneath stream or ponded water:			x	
7	Cracks or scarps on crest:				х
8	Cracks or scarps on slope:				х
9	Sloughing or bulging on slope:				х
10	*Major erosion problems:			x	
	Surface movements in valley bottom or on hillside:			x	
12	*Erosion of toe:				х
13	*Water impounded against toe:				х
14	Existing embankment freeboard: 0 FT				
15	IncreaseDecrease in water level: 0.4 FT ABOVE SF	PILLWAY			
	Cracks, bulging, or erosion on upstream face:				х
	Visible sumps or sinkholes in slurry surface:				х
18	*Clogging				•
	Spillway channels and pipes:			x	
	Decant system:				х
	Diversion ditches:			x	
19	*Cracking or crushing of pipes				T
	Spillway pipes:				х
	Decant system:				х
	Trash racks clear and in place:				Х
	Discharge rate: 246.7 GPM				
and des	ajor adverse changes in these items could cause instability and Mine Superintendent for further evaluation. Adverse condition cribed (extextent, location, volume, etc.) here: FLUME NEEDS DER FLUME.	ons noted in these items shou	ıld norma	Illy be	

1116	PERIODIC INSPECTION FORM: Water, Se		nents		
	PECTOR'S NAME: Jason Herden	DATE: 06/10/24			
	DES I.D. NO.: CO-0048275 D.P. 003	DATE LACT INCRECTION, 02	126/24		
	CILITY CONFIGURATION: Diked Pond	DATE LAST INSPECTION: 03	-	20714/	
	E NAME: Shop Pond #003	LOCATION: SE¼ SW¼, Sec. 2			
	NE NAME: Peabody Sage Creek Mine	LOCATION: 7.1 mi. SE of Ha	-		
IVIII	NE I.D. NO.: CMLRD Permit No. C-2009-087	OWNER'S REP.: Miranda Ka			1
	CIRCLE OR WRITE IN APPROPRIATE RESP		YES	NO	N/A
	Foundation preparation (removal of vegetation, stumps, tops	OII:	Х		
	Lift thickness: 12 IN				
	Compaction according to approved plan:		х		
	Burning (specify extent and location):			X	
	Angle of slope: 2:1 upstream, 3:1 downstream		10	tal = 5:1	•
6	*Seepage (specify location, color, and approximate volume)				
	From underdrain pipes				Х
	At isolated points on embanckement slopes			Х	
	At natural hillside:			Х	
	Over widespread areas:			Х	
	From downstream foundation area:		Х		
	"Boils" beneath stream or ponded water:			Х	
	Cracks or scarps on crest:			Х	
	Cracks or scarps on slope:			х	
	Sloughing or bulging on slope:			х	
	*Major erosion problems:			Х	
	Surface movements in valley bottom or on hillside:			Х	
	*Erosion of toe:			х	
	*Water impounded against toe:			X	
	Existing embankment freeboard (4.9 is normal): 4.8 FT				
15	Increase Decrease in water level: 0.1 FT ABOVE	SPILLWAY			
	Cracks, bulging, or erosion on upstream face:			X	
17	Visible sumps or sinkholes in slurry surface:				х
18	*Clogging				•
	Spillway channels and pipes:			x	
	Decant system:				х
	Diversion ditches:			x	
19	*Cracking or crushing of pipes				
	Spillway pipes:				х
	Decant system:				х
20	Trash racks clear and in place:		х		
21	Discharge rate: 1.6 GPM				
ana	ajor adverse changes in these items could cause instability and I Mine Superintendent for further evaluation. Adverse conditio cribed (extextent, location, volume, etc.) here: ANIMAL BURR	ns noted in these items shou	_		ger

	PERIODIC INSPECTION FORM: Water, Se	diment, or Slurry Impoundn	nents		
INS	PECTOR'S NAME: Jason Herden	DATE: 06/11/24			
NPI	DES I.D. NO.: N/A				
FAC	CILITY CONFIGURATION: Incised Pond	DATE LAST INSPECTION: 03/	27/24		
SITI	E NAME: Spill Control Pond #2	LOCATION: NW¼ NE¼, Sec.	34, T6N	, R87W	
MI	NE NAME: Peabody Sage Creek Mine	LOCATION: 7.1 mi. SE of Ha	yden, CO)	
IIM	NE I.D. NO.: CMLRD Permit No. C-2009-087	OWNER'S REP.: Miranda Kav	wcak		
	CIRCLE OR WRITE IN APPROPRIATE RESP	ONSE:	YES	NO	N/A
1	Foundation preparation (removal of vegetation, stumps, tops	oil:	Х		
2	Lift thickness: N/A				
3	Compaction according to approved plan:				х
4	Burning (specify extent and location):				х
5	Angle of slope:upstream,downstream			N/A	
6	*Seepage (specify location, color, and approximate volume)				
	From underdrain pipes				х
	At isolated points on embanckement slopes			х	
	At natural hillside:			х	
	Over widespread areas:			х	
	From downstream foundation area:			х	
	"Boils" beneath stream or ponded water:			х	
7	Cracks or scarps on crest:			х	
8	Cracks or scarps on slope:			х	
9	Sloughing or bulging on slope:			х	
10	*Major erosion problems:			х	
11	Surface movements in valley bottom or on hillside:			х	
12	*Erosion of toe:			х	
13	*Water impounded against toe:			х	
14	Existing embankment freeboard (7.0 is normal when dry): 7 F	Т			
15	Increase Decrease in water level: DRY				
16	Cracks, bulging, or erosion on upstream face:			х	
17	Visible sumps or sinkholes in slurry surface:				х
18	*Clogging				
	Spillway channels and pipes:			х	
	Decant system:				Х
	Diversion ditches:				х
19	*Cracking or crushing of pipes				
	Spillway pipes:				х
	Decant system:				х
20	Trash racks clear and in place:				х
21	Discharge rate: 0.0 GPM				
ana	ajor adverse changes in these items could cause instability and I Mine Superintendent for further evaluation. Adverse conditic cribed (extextent, location, volume, etc.) here:		_	-	ger

INIC	PERIODIC INSPECTION FORM: Water, Se		nents		
	PECTOR'S NAME: Jason Herden	DATE: 06/11/24			
	DES I.D. NO.: N/A	DATE LACT INCDECTIONS 02	/27/24		
	CILITY CONFIGURATION: Final Pit Impoundment E NAME: Pecoco Reservoir	DATE LAST INSPECTION: 03,		20714/	
	NE NAME: Petoco Reservoir NE NAME: Peabody Sage Creek Mine	LOCATION: SW¼ NW¼, Sec. LOCATION: 7.1 mi. SE of Hav			
	NE I.D. NO.: CMLRD Permit No. C-2009-087	OWNER'S REP.: Miranda Ka	-		
IVIII				NO	NI/A
1	CIRCLE OR WRITE IN APPROPRIATE RESP Foundation preparation (removal of vegetation, stumps, tops		YES x	NO	N/A
	Lift thickness: N/A	OII.			<u> </u>
	Compaction according to approved plan:		х		
	Burning (specify extent and location):			х	
	Angle of slope: 5:1 upstream, 2:1 downstream		To	tal = 7:1	
6	*Seepage (specify location, color, and approximate volume)	<u> </u>			
	From underdrain pipes	1			х
	At isolated points on embanckement slopes			х	
	At natural hillside:			X	
	Over widespread areas:			X	
	From downstream foundation area:		Х		
	"Boils" beneath stream or ponded water:			x	
7	Cracks or scarps on crest:			x	
	Cracks or scarps on slope:			х	
	Sloughing or bulging on slope:			х	
10	*Major erosion problems:			х	
11	Surface movements in valley bottom or on hillside:			х	
12	*Erosion of toe:			х	
13	*Water impounded against toe:			х	
14	Existing embankment freeboard (6.1 is normal): 6.0 FT				
15	Increase Decrease in water level: 0.1 FT ABOVE SF	PILLWAY			
16	Cracks, bulging, or erosion on upstream face:			х	
17	Visible sumps or sinkholes in slurry surface:				х
18	*Clogging				
	Spillway channels and pipes:			х	
	Decant system:				х
	Diversion ditches:				х
19	*Cracking or crushing of pipes				
	Spillway pipes:			x	
	Decant system:				х
20	Trash racks clear and in place:				х
	Discharge rate: 102.6 GPM				
ana	ajor adverse changes in these items could cause instability and Mine Superintendent for further evaluation. Adverse condition cribed (extextent, location, volume, etc.) here:				ger

INIS	PECTOR'S NAME: Jason Herden PECTOR'S NAME: Jason Herden	ediment, or Slurry Impoundn DATE: 06/11/24	nents		
	DES I.D. NO.: N/A	DATE: 00/11/24			
	CILITY CONFIGURATION: Diked Pond	DATE LAST INSPECTION: 03/	/27/24		
	E NAME: Lower Sump	LOCATION: SE¼, Sec. 34, T6			
	NE NAME: Peabody Sage Creek Mine				
	NE I.D. NO.: CMLRD Permit No. C-2009-087	LOCATION: 7.1 mi. SE of Ha OWNER'S REP.: Miranda Ka			
	CIRCLE OR WRITE IN APPROPRIATE RESP		YES	NO	N/A
1	Foundation preparation (removal of vegetation, stumps, tops			INO	IN/A
	Lift thickness =	son.	Х	<u> </u>	
	Compaction according to approved plan:			1	
	Burning (specify extent and location):		Х	.	
	Angle of slope:upstream,downstream			N/A	
6	*Seepage (specify location, color, and approximate volume)			IV/A	
U	From underdrain pipes				Τ.,
	At isolated points on embanckement slopes				Х
	At natural hillside:			X	
				X	
	Over widespread areas: From downstream foundation area:			X	
	"Boils" beneath stream or ponded water:			X	
7	·			X	
	Cracks or scarps on crest:			X	
	Cracks or scarps on slope: Sloughing or bulging on slope:			X	
	*Major erosion problems:			X	
				X	
	Surface movements in valley bottom or on hillside: *Erosion of toe:			X	
				X	
	*Water impounded against toe: Existing embankment freeboard: 0 FT			Х	
		DILLWAY			
15	IncreaseDecrease in water level: 0.1 FT ABOVE S	PILLWAY		T	T
	Cracks, bulging, or erosion on upstream face: Visible sumps or sinkholes in slurry surface:			Х	
18				<u> </u>	х
10	*Clogging Spillway channels and pipes:			T .,	
	Decant system:			Х	٠,
	Diversion ditches:				Х
10	*Cracking or crushing of pipes			Х	
19	Spillway pipes:			1	Τ,,
	Decant system:				X
20	Trash racks clear and in place:				Х
	Discharge rate: 96.7 GPM		Х		
		1 alaa 1 al la a mana menal esa ela a 5 m			
ana	ajor adverse changes in these items could cause instability and I Mine Superintendent for further evaluation. Adverse conditic cribed (extextent, location, volume, etc.) here:				yei

	PERIODIC INSPECTION FORM: Water, Se	ediment, or Slurry Impoundn	nents		
INS	SPECTOR'S NAME: Jason Herden	DATE: 06/11/24			
NPI	DES I.D. NO.: N/A				
FAC	CILITY CONFIGURATION: Incised Pond	DATE LAST INSPECTION: 03/	/27/24		
SITE NAME: Truck Wash Settling Pond LOCATION: NW% NE%, Sec. 34, T6N, R87W					
MII	NE NAME: Peabody Sage Creek Mine	LOCATION: 7.1 mi. SE of Ha	yden, CC	<u> </u>	
MII	NE I.D. NO.: CMLRD Permit No. C-2009-087	OWNER'S REP.: Miranda Kav	wcak		
	CIRCLE OR WRITE IN APPROPRIATE RESP	ONSE:	YES	NO	N/A
1	Foundation preparation (removal of vegetation, stumps, tops	;oil:	х		
2	Lift thickness: N/A				
3	Compaction according to approved plan:				х
4	Burning (specify extent and location):				х
5	Angle of slope:upstream,downstream			N/A	
6	*Seepage (specify location, color, and approximate volume)				
	From underdrain pipes				х
	At isolated points on embanckement slopes				х
	At natural hillside:				х
	Over widespread areas:				х
	From downstream foundation area:				х
	"Boils" beneath stream or ponded water:		х		
7	Cracks or scarps on crest:				х
8	Cracks or scarps on slope:				х
9	Sloughing or bulging on slope:				х
10	*Major erosion problems:			х	
11	Surface movements in valley bottom or on hillside:				х
12	*Erosion of toe:				х
13	*Water impounded against toe:				х
14	Existing embankment freeboard (5.0 is normal when dry): 5 F	Т			
15	Increase Decrease in water level: DRY				
16	Cracks, bulging, or erosion on upstream face:				х
17	Visible sumps or sinkholes in slurry surface:				х
18	*Clogging				
	Spillway channels and pipes:			х	
	Decant system:				х
	Diversion ditches:				х
19	*Cracking or crushing of pipes				
	Spillway pipes:			х	
	Decant system:				х
20	Trash racks clear and in place:		X		
	Discharge rate: 0 GPM				
ana	lajor adverse changes in these items could cause instability and d Mine Superintendent for further evaluation. Adverse conditio scribed (extextent, location, volume, etc.) here:		_		ier

	PERIODIC INSPECTION FORM: Water, Se	ediment, or Slurry Impoundn	nents		
	PECTOR'S NAME: Jason Herden	DATE: 06/11/24			
NPI	DES I.D. NO.: N/A				
FAC	CILITY CONFIGURATION: Diked Pond	DATE LAST INSPECTION: 03/	27/24		
SITI	E NAME: Upper Sump	LOCATION: NW¼, Sec. 3, T5	N, R87V	V7W	
MII	NE NAME: Peabody Sage Creek Mine	LOCATION: 7.1 mi. SE of Ha	yden, CO)	
MII	NE I.D. NO.: CMLRD Permit No. C-2009-087	OWNER'S REP.: Miranda Ka	wcak		
	CIRCLE OR WRITE IN APPROPRIATE RESE	PONSE:	YES	NO	N/A
1	Foundation preparation (removal of vegetation, stumps, tops	oil:	x		
2	Lift thickness:				
3	Compaction according to approved plan:		x		
4	Burning (specify extent and location):			х	
5	Angle of slope:upstream,downstream			N/A	
6	*Seepage (specify location, color, and approximate volume)				
	From underdrain pipes				х
	At isolated points on embanckement slopes			х	
	At natural hillside:			x	
	Over widespread areas:			x	
	From downstream foundation area:		x		
	"Boils" beneath stream or ponded water:			x	
7	Cracks or scarps on crest:			х	
8	Cracks or scarps on slope:			х	
9	Sloughing or bulging on slope:			х	
10	*Major erosion problems:			x	
11	Surface movements in valley bottom or on hillside:			x	
12	*Erosion of toe:			х	
13	*Water impounded against toe:			x	
14	Existing embankment freeboard: 0 FT				
15	Increase Decrease in water level: 0.1 FT ABOVE S	PILLWAY			
16	Cracks, bulging, or erosion on upstream face:			х	
17	Visible sumps or sinkholes in slurry surface:				х
18	*Clogging				
	Spillway channels and pipes:			x	
	Decant system:				х
	Diversion ditches:				х
19	*Cracking or crushing of pipes				
	Spillway pipes:			х	
	Decant system:				х
20	Trash racks clear and in place:		x		
21	Discharge rate: 104.4 GPM				
and	ajor adverse changes in these items could cause instability and I Mine Superintendent for further evaluation. Adverse conditic cribed (extextent, location, volume, etc.) here:		_		ger

	PERIODIC INSPECTION FORM: Water, Se	ediment, or Slurry Impoundn	nents		
INS	PECTOR'S NAME: Jason Herden	DATE: 06/11/24			
NPI	DES I.D. NO.: N/A				
FAC	CILITY CONFIGURATION: Diked Pond	DATE LAST INSPECTION: 03/	/27/24		
SITI	N, R87V	V			
MII	NE NAME: Peabody Sage Creek Mine	LOCATION: 7.1 mi. SE of Ha	yden, CO)	
MII	NE I.D. NO.: CMLRD Permit No. C-2009-087	OWNER'S REP.: Miranda Ka	wcak		
	CIRCLE OR WRITE IN APPROPRIATE RES	PONSE:	YES	NO	N/A
1	Foundation preparation (removal of vegetation, stumps, tops	oil:	х		
2	Lift thickness = 12 IN				
3	Compaction according to approved plan:		х		
4	Burning (specify extent and location):			х	
5	Angle of slope: upstream, downstream			N/A	
6	*Seepage (specify location, color, and approximate volume)				
	From underdrain pipes				х
	At isolated points on embanckement slopes				х
	At natural hillside:				х
	Over widespread areas:				х
	From downstream foundation area:				х
	"Boils" beneath stream or ponded water:			х	
7	Cracks or scarps on crest:				х
8	Cracks or scarps on slope:				х
9	Sloughing or bulging on slope:				х
10	*Major erosion problems:			х	
11	Surface movements in valley bottom or on hillside:			х	
12	*Erosion of toe:				х
13	*Water impounded against toe:				х
14	Existing embankment freeboard:				
15	Increase Decrease in water level: 1.3 FT BELOW S	SPILLWAY			
16	Cracks, bulging, or erosion on upstream face:				х
17	Visible sumps or sinkholes in slurry surface:				х
18	*Clogging				
	Spillway channels and pipes:			х	
	Decant system:				х
	Diversion ditches:				х
19	*Cracking or crushing of pipes				
	Spillway pipes:			х	
	Decant system:				х
20	Trash racks clear and in place:				х
21	Discharge rate: 0 GPM				
and	ajor adverse changes in these items could cause instability and Mine Superintendent for further evaluation. Adverse condition cribed (extextent, location, volume, etc.) here:	•	_	_	ger

	PERIODIC INSPECTION FORM: Water, Se	ediment, or Slurry Impoundn	nents		
	PECTOR'S NAME: Jason Herden	DATE: 06/11/24			
NPI	DES I.D. NO.: N/A				
FAC	CILITY CONFIGURATION: Diked Pond	DATE LAST INSPECTION: 03/	27/24		
SITI	E NAME: Portal Sump #2 (Lower South)	LOCATION: NW¼, Sec. 3, T5	N, R87V	V	
MI	NE NAME: Peabody Sage Creek Mine	LOCATION: 7.1 mi. SE of Ha	yden, CO)	
MI	NE I.D. NO.: CMLRD Permit No. C-2009-087	OWNER'S REP.: Miranda Ka	wcak		
	CIRCLE OR WRITE IN APPROPRIATE RESI	PONSE:	YES	NO	N/A
1	Foundation preparation (removal of vegetation, stumps, tops	soil:	х		
2	Lift thickness: 12 IN				
3	Compaction according to approved plan:		х		
4	Burning (specify extent and location):			х	
5	Angle of slope:upstream,downstream			N/A	
6	*Seepage (specify location, color, and approximate volume)				
	From underdrain pipes				х
	At isolated points on embanckement slopes				х
	At natural hillside:				х
	Over widespread areas:				х
	From downstream foundation area:				х
	"Boils" beneath stream or ponded water:			х	
7	Cracks or scarps on crest:				х
8	Cracks or scarps on slope:				х
9	Sloughing or bulging on slope:				х
10	*Major erosion problems:			х	
11	Surface movements in valley bottom or on hillside:			х	
12	*Erosion of toe:				х
13	*Water impounded against toe:				х
14	Existing embankment freeboard:			•	•
15	Increase Decrease in water level: 0.1 FT ABOVE S	PILLWAY			
16	Cracks, bulging, or erosion on upstream face:				х
17	Visible sumps or sinkholes in slurry surface:				х
18	*Clogging				
	Spillway channels and pipes:			х	
	Decant system:				х
	Diversion ditches:				х
19	*Cracking or crushing of pipes				
	Spillway pipes:			х	
	Decant system:				х
20	Trash racks clear and in place:				х
21	Discharge rate: 0 GPM				
ana	ajor adverse changes in these items could cause instability and I Mine Superintendent for further evaluation. Adverse condition cribed (extextent, location, volume, etc.) here: NOT PUMPING	ons noted in these items shou	_	_	iger

IMPOUNDMENT INSPECTION LOG

JOB DATA

JOB NAME: PEC Hydrologic Services	CLIENT: Peabody	JOB(s): 2023-086 (PSCM), 2023-087 (SCC)
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FLOW DATA

FLOW DA		1					T
SITEID	COMPANY	MINE	DATE	WATER LEVEL (FT)	OUTFLOW (GPM)	OBSERVATIONS	MAINTENANCE (Y/N)
002	Sage Creek	Sage Creek	6-10-84	0.4	244,7	some maternader flume	У
003	Sage Creek	Sage Creek	6-10-24	0.1	1,6	some animal bulkous	N
Lower Sump	Sage Creek	Sage Creek	6-11-24	01	96,7		N
Pecoco	Sage Creek	Sage Creek	6-11-24	0.1	107.4		N
Portal Sump 1	Sage Creek	Sage Creek	6-11-24			No Flam	N
Portal Sump 2	Sage Creek	Sage Creek	Le-11-24	0.1	~	not pumping	N
Spill Control 2	Sage Creek	Sage Creek	6-11-84		_	no Klow	N
Truck Wash	Sage Creek	Sage Creek	15-11-01	~_	_	Dry	N
Upper Sump	Sage Creek	Sage Creek	6-11-24	0.1	104,4		N
006	Seneca	Seneca II West	6-10-24	oil	15097	sluff on Sisile, no issues	N
015	Seneca	Seneca II West		0.1	44.3		N
016	Seneca	Seneca II West	6-10-24	0.1	138,6		N
017	Seneca	Seneca II West	6-10.24	6.1	58,6		N
T-2	Seneca	Seneca II West	6-11-24	_	_	DIS	N
T-3	Seneca	Seneca II West	471754	-2.B		no Flow	\sim
010	Seneca	Yoast	6-10-24	0.65	8.7	cutlet instal	У
011	Seneca	Yoast	6-11-24	-0.9		NO FIEW	N
011 A	Seneca	Yoast	6-13-24		~	NO Flow	N
012	Seneca	Yoast	6-10-24	l	107.6		N
012 A	Seneca	Yoast	6-13-24	-1.0	~	NO Flow	N
013	Seneca	Yoast	6-10-24		~	NO Flow NO Flow	N
014	Seneca	Yoast	6-10-24	-0.9		No Flow	N

FIELD PERSONNEL: 1H	FIELD PERSONNEL SIGNATURE:	
NOTES		

