

Peabody Sage Creek Mine PO Box 250 36600 Routt County Road 27 Hayden, CO. 81639

Peabody Sage Creek Mining, LLC

October 21, 2024

Robin Reilley Colorado Division of Reclamation, Mining and Safety 1313 Sherman St., Room 215 Denver, CO 80203

## RE: 3rd Quarter and Annual Pond Inspections – Sage Creek Mine (C 2009-087)

Ms. Reilley:

Enclosed are the 3<sup>rd</sup> quarter 2024 and Annual pond inspection reports for the Peabody Sage Creek Mine. I personally inspected each pond and have provided a Professional Engineer's Statement on the following page of this letter to accompany the inspection reports. Please contact me if there are any questions or if you need any additional information.

Best Regards,

Mirarda hawcak

Miranda Kawcak Environmental Manager Peabody, Colorado Operations

**Attachments:** Professional Engineer Certification (Miranda Lynn Kawcak, P.E.) Inspection Reports

## **CERTIFICATION**

*I, Miranda Lynn Kawcak, a registered engineer in the State of Colorado do hereby certify that I have reviewed the attached Sage Creek Mine Sediment Pond Reports covering the third quarter of 2024, and that they are true and correct to the best of my knowledge and belief.* 

Minanda Kawcak

10/21/2024

Miranda Lynn Kawcak CO P.E. No. 59419 Date



	PERIODIC INSPECTION FORM: Water, Sediment, or Slurry Impoundments						
INS	PECTOR'S NAME: Miranda Kawcak	DATE: 9/24/24					
NPI	DES I.D. NO.: CO-0048275 D.P. 002						
FAC	ILITY CONFIGURATION: Incised Pond	DATE LAST INSPECTION: 6/10	0/24				
SIT	E NAME: Wadge Impoundment #002	LOCATION: NW¼ NE¼, Sec. 2	2, T5N, F	87W			
MI	NE NAME: Peabody Sage Creek Mine	LOCATION: 7.1 mi. SE of Hay	den, CO	)			
MI	NE I.D. NO.: CMLRD Permit No. C-2009-087	OWNER'S REP.: Miranda Kaw	vcak				
	CIRCLE OR WRITE IN APPROPRIATE RES	PONSE:	YES	NO	N/A		
1	Foundation preparation (removal of vegetation, stumps, top	soil:			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		To	tal = N/A	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			
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 = <b>0 feet</b>						
15	IncreaseDecrease in water level:	<u>Same</u>					
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:			x			
19	*Cracking or crushing of pipes						
	Spillway pipes:				х		
	Decant system:				х		
20	Trash racks clear and in place:				х		
21	Discharge rate (gpm) = <b>50 GPM</b>						
	ajor adverse changes in these items could cause instability an		-		jer		
	and Mine Superintendent for further evaluation. Adverse conditions noted in these items should normally be						
des	described (extextent, location, volume, etc.) here: Flume needs reset						

	PERIODIC INSPECTION FORM: Water,	Sediment, or Slurry Impound	ments		
INS	PECTOR'S NAME: Miranda Kawcak	DATE: 9/24/24			
NP	DES I.D. NO.: CO-0048275 D.P. 003	4			
FAC	CILITY CONFIGURATION: Diked Pond	DATE LAST INSPECTION: 6/	10/24		
SIT	E NAME: Wadge Impoundment #003	LOCATION: SE¼ SW¼, Sec. 2	27, T6N, I	R87W	
MI	NE NAME: Peabody Sage Creek Mine	LOCATION: 7.1 mi. SE of Ha	yden, CO		
МΙ	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, top	osoil:	х		Τ
2	Lift thickness = <b>12 inches</b>				-
3	Compaction according to approved plan:		х		
4	Burning (specify extent and location):			х	1
5	Angle of slope: <u>2:1</u> upstream, <u>3:1</u> downstream		То	tal = 5:1	L
6	*Seepage (specify location, color, and approximate volume)				
	From underdrain pipes				x
	At isolated points on embanckement slopes			х	1
	At natural hillside:			х	1
	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 (4.9' is normal) = 4.9'				-
15	Increase Decrease in water level: <u>Same</u>				
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		
21	Discharge rate (gpm) = <b>3 GPM</b>				
*M	ajor adverse changes in these items could cause instability ar	nd should be reported to the E	ngineerin	g Mana	ger
anc	Mine Superintendent for further evaluation. Adverse condit	ions noted in these items shoι	ıld norma	ılly be	

described (extextent, location, volume, etc.) here: Rodent Burrows need ongoing Maintenance.

	PERIODIC INSPECTION FORM: Water, Sediment, or Slurry Impoundments									
INS	PECTOR'S NAME: Miranda Kawcak	DATE: 9/24/24								
NP	DES I.D. NO.: N/A	ļ								
FAC	ILITY CONFIGURATION: Incised Pond	DATE LAST INSPECTION: 6/1	0/24							
SITI	ENAME: Spill Control Pond #2	LOCATION: NW¼ NE¼, Sec.	34, T6N	, R87W						
	NE NAME: Peabody Sage Creek Mine	LOCATION: 7.1 mi. SE of Ha	yden, CC	<b>)</b>						
MI	NE I.D. NO.: CMLRD Permit No. C-2009-087	OWNER'S REP.: Miranda Kav	wcak							
	CIRCLE OR WRITE IN APPROPRIATE RES	PONSE:	YES	NO	N/A					
1	Foundation preparation (removal of vegetation, stumps, top	soil:	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			x						
	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:			x						
8	Cracks or scarps on slope:			x						
9	Sloughing or bulging on slope:			x						
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:			х						
14	Existing embankment freeboard (7.0' is normal) = <b>7.0'</b>			•						
15	IncreaseDecrease 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:				x					
19	*Cracking or crushing of pipes									
	Spillway pipes:				х					
	Decant system:				х					
20	Trash racks clear and in place:				х					
21	Discharge rate (gpm) = <b>0 GPM</b>									
ana	*Major adverse changes in these items could cause instability and should be reported to the Engineering Manager and Mine Superintendent for further evaluation. Adverse conditions noted in these items should normally be described (extextent, location, volume, etc.) here:									

	PERIODIC INSPECTION FORM: Water, Se	ediment, or Slurry Impoundr	nents				
INS	PECTOR'S NAME: Miranda Kawcak	DATE: 9/24/24					
NPD	DES I.D. NO.: N/A						
FAC	ILITY CONFIGURATION: Final Pit Impoundment	DATE LAST INSPECTION: 6/2	10/24				
	NAME: Pecoco Reservoir	LOCATION: SW¼ NW¼, Sec.		R87W			
MIN	MINE NAME: Peabody Sage Creek Mine LOCATION: 7.1 mi. SE of Hayden, CO						
MIN	MINE I.D. NO.: CMLRD Permit No. C-2009-087 OWNER'S REP.: Miranda Kawcak						
	CIRCLE OR WRITE IN APPROPRIATE RESI	PONSE:	YES	NO	N/A		
1	Foundation preparation (removal of vegetation, stumps, tops	soil:	х				
2	2 Lift thickness = None - Pit Impoundment						
3	Compaction according to approved plan:		х		х		
4	Burning (specify extent and location):			х			
5	Angle of slope: <u>5:1</u> upstream, <u>2:1</u> downstream		То	tal = 7:1			
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:						
	From downstream foundation area:			х			
	"Boils" beneath stream or ponded water:			х			
7	7 Cracks or scarps on crest:			х			
8	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 (6.1' is normal) = <b>6.0'</b>				,#		
15	Increase Decrease in water level: 0.1' Above Sp	illway					
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:				x		
20	Trash racks clear and in place:				х		
21	Discharge rate (gpm) = <b>50 GPM</b>						
and	*Major adverse changes in these items could cause instability and should be reported to the Engineering Manager and Mine Superintendent for further evaluation. Adverse conditions noted in these items should normally be described (extextent, location, volume, etc.) here:						

INSPECTOR'S NAME: Miranda Kawcak DATE: 9/24/24 PPDES 10. NO.: N/A FACULTY CONFIGURATION: Diked Pond DATE LAST INSPECTION: 6/10/24 FACULTY CONFIGURATION: Diked Pond LOCATION: 5E%, Sec. 34, T6N, R87W MINE NAME: Peabody Sage Creek Mine LOCATION: 5E%, Sec. 34, T6N, R87W MINE NAME: Peabody Sage Creek Mine LOCATION: 5E%, Sec. 34, T6N, R87W MINE NAME: Peabody Sage Creek Mine LOCATION: 7.1 mi. SE of Hayden, CO MINE LO. NO: CMLRO Permit No. C.2009-087 OWNRE'S REP.: Miranda Kawcak CIRCLE OR WRITE IN APPROPRIATE RESPONSE: YES NO N/A I Foundation preparation (removal of vegetation, stumps, topsoil: x I foundation preparation (removal of vegetation, stumps, topsoil: x I foundation preparation (removal of vegetation, stumps, topsoil: x I formation according to approved plan: x I foundation preparation (removal of vegetation, stumps, topsoil: x I form underdrain pipes A toslated points on embanckement slopes I rom underdrain pipes A toslated points on embanckement slopes I k I form downstream fundation area: x I foracks or scarps on rest: X I Cracks or scarps on rest: X I Cracks or scarps on rest: X I Sufface movements in valley bottom or on hillside: X I Sufface movements in valley bottom or on hillside: X I Vesting embankement freeboard = 0 FT I		PERIODIC INSPECTION FORM: Water, S	ediment, or Slurry Impound	nents				
FACILITY CONFIGURATION: Diked Pond       DATE LAST INSPECTION: 6/10/24         STRE NAME: Lower Sump       LOCATION: SEX, Sec. 34, T6N, R87W         MINE NAME: Peabody Sage Creek Mine       LOCATION: 7.1 mi. SE of Hayden, CO         MINE I.D. NO: CMLRD Permit No. C-2009-087       OWNER'S REP:: Miranda Kawcak         CIRCLE OR WRITE IN APPROPRIATE RESPONSE:       YES       NO       N/A         1       Foundation preparation (removal of vegetation, stumps, topsoil:       x	INS							
FACILITY CONFIGURATION: Diked Pond       DATE LAST INSPECTION: 6/10/24         STRE NAME: Lower Sump       LOCATION: SEX, Sec. 34, T6N, R87W         MINE NAME: Peabody Sage Creek Mine       LOCATION: 7.1 mi. SE of Hayden, CO         MINE I.D. NO: CMLRD Permit No. C-2009-087       OWNER'S REP:: Miranda Kawcak         CIRCLE OR WRITE IN APPROPRIATE RESPONSE:       YES       NO       N/A         1       Foundation preparation (removal of vegetation, stumps, topsoil:       x	NP	DES I.D. NO.: N/A						
MINE NAME: Peabody Sage Creek Mine       LOCATION: 7.1 mi. SE of Hayden, CO         MINE I.D. NO.: CMLRD Permit No. C-2009-087       OWNER'S REP.: Miranda Kawcak         I Foundation preparation (removal of vegetation, stumps, topsoil:       x         1       Foundation preparation (removal of vegetation, stumps, topsoil:       x         2       Lift thickness =		-	DATE LAST INSPECTION: 6/	10/24				
MINE NAME: Peabody Sage Creek Mine       LOCATION: 7.1 mi. SE of Hayden, CO         MINE I.D. NO.: CMLRD Permit No. C-2009-087       OWNER'S REP.: Miranda Kawcak         I Foundation preparation (removal of vegetation, stumps, topsoil:       x         1       Foundation preparation (removal of vegetation, stumps, topsoil:       x         2       Lift thickness =	SITE	NAME: Lower Sump	-		v			
CIRCLE OR WRITE IN APPROPRIATE RESPONSE:         YES         NO         N/A           1         Foundation preparation (removal of vegetation, stumps, topsoil:         x         x         x           2         Lift thickness =	MIN	IE NAME: Peabody Sage Creek Mine		-				
1       Foundation preparation (removal of vegetation, stumps, topsoil:       x       x         2       Lift thickness =	MIN	IE I.D. NO.: CMLRD Permit No. C-2009-087	OWNER'S REP.: Miranda Ka	wcak				
2       Lift thickness =         3       Compaction according to approved plan:       x         4       Burning (specify extent and location):       x         5       Angle of slope:upstream,downstream       N/A         6       "Seepage (specify location, color, and approximate volume)       *         From underdrain pipes       x       x         At isolated points on embanckement slopes       x       x         At natural hillside:       x       x         Over widespread areas:       x       x         From downstream foundation area:       x       x         "Boils" beneath stream or ponded water:       x       x         7       Cracks or scarps on crest:       x       x         8       Cracks or scarps on slope:       x       x         9       Sloughing or bulging on slope:       x       x         10<*Major erosion problems:		CIRCLE OR WRITE IN APPROPRIATE RES	PONSE:	YES	NO	N/A		
3       Compaction according to approved plan:       x         4       Burning (specify extent and location):       x         5       Angle of slope:upstream,downstream       N/A         6       *Seepage (specify location, color, and approximate volume)	1	Foundation preparation (removal of vegetation, stumps, top	soil:	Х				
4       Burning (specify extent and location):       x         5       Angle of slope:upstream,downstream       N/A         6       "Seepage (specify location, color, and approximate volume)       x         From underdrain pipes       x       x         At isolated points on embanckement slopes       x       x         At notural hillside:       x       x         Over widespread areas:       x       x         From downstream foundation area:       x       x         7       Cracks or scarps on crest:       x       x         8       Cracks or scarps on slope:       x       x         10       *Major erosion problems:       x       x         11       Surface movements in valley bottom or on hillside:       x       x         12       *Erosion of toe:       x       x         13       *Water impounded against toe:       0.1' Above Spillway       x         14       Existing embankment freeboard = 0 FT       x       x         15       _Increase	2	Lift thickness =			•			
5       Angle of slope:upstream,downstream       N/A         6       *Seepage (specify location, color, and approximate volume)	3	Compaction according to approved plan:		х				
6       *Seepage (specify location, color, and approximate volume)         From underdrain pipes       x         At isolated points on embanckement slopes       x         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:       x         8       Cracks or scarps on slope:       x         9       Sloughing or bulging on slope:       x         10       *Major erosion problems:       x         11       Surface movements in valley bottom or on hillside:       x         12       *Erosion of toe:       x         13       *Water impounded against toe:       x         14       Existing embankment freeboard = 0 FT       x         15      IncreaseDecrease in water level: 0.1' Above Spillway       x         16       Cracks, bulging, or ension on upstream face:       x         17       Visible sumps or sinkholes in slurry surface:       x         18       *Clogging       x         5pillway channels and pipes:       x       x         Diversion ditches:       x       x	4	Burning (specify extent and location):			x			
From underdrain pipes       x         At isolated points on embanckement slopes       x         At isolated points on embanckement slopes       x         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:       x         8       Cracks or scarps on slope:       x         9       Sloughing or bulging on slope:       x         10       "Major erosion problems:       x         11       Surface movements in valley bottom or on hillside:       x         12       *Erosion of toe:       x         13       "Water impounded against toe:       x         14       Existing embankment freeboard = 0 FT       x         15	5	Angle of slope:upstream,downstream			N/A			
At isolated points on embanckement slopes       x         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:       x         8       Cracks or scarps on slope:       x         9       Sloughing or bulging on slope:       x         10       *Major erosion problems:       x         11       Surface movements in valley bottom or on hillside:       x         12       *Erosion of toe:       x         13       *Water impounded against toe:       x         14       Existing embankment freeboard = 0 FT       x         15	6	*Seepage (specify location, color, and approximate volume)						
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:       x         8       Cracks or scarps on slope:       x         9       Sloughing or bulging on slope:       x         10       *Major erosion problems:       x         11       Surface movements in valley bottom or on hillside:       x         12       *Erosion of toe:       x         13       *Water impounded against toe:       x         14       Existing embankment freeboard = 0 FT       x         15		From underdrain pipes				х		
Over widespread areas:       x         From downstream foundation area:       x         From downstream foundation area:       x         "Boils" beneath stream or ponded water:       x         Cracks or scarps on crest:       x         Cracks or scarps on crest:       x         Cracks or scarps on slope:       x         Sloughing or bulging on slope:       x         Major erosion problems:       x         Surface movements in valley bottom or on hillside:       x         * Krosion of toe:       x         * Kuster impounded against toe:       x         Itsiting embankment freeboard = 0 FT         Itsiting enduring or upstream face:         Increase		At isolated points on embanckement slopes			x			
From downstream foundation area:       x         "Boils" beneath stream or ponded water:       x         "Boils" beneath stream or ponded water:       x         Cracks or scarps on crest:       x         8       Cracks or scarps on slope:       x         9       Sloughing or bulging on slope:       x         10       *Major erosion problems:       x         11       Surface movements in valley bottom or on hillside:       x         12       *Erosion of toe:       x         13       *Water impounded against toe:       x         14       Existing embankment freeboard = 0 FT         15		At natural hillside:			x			
"Boils" beneath stream or ponded water:       x         7       Cracks or scarps on crest:       x         8       Cracks or scarps on slope:       x         9       Sloughing or bulging on slope:       x         10       *Major erosion problems:       x         11       Surface movements in valley bottom or on hillside:       x         12       *Erosion of toe:       x         13       *Water impounded against toe:       x         14       Existing embankment freeboard = 0 FT       x         15		Over widespread areas:			x			
7       Cracks or scarps on crest:       x       x         8       Cracks or scarps on slope:       x       x         9       Sloughing or bulging on slope:       x       x         10       *Major erosion problems:       x       x         11       Surface movements in valley bottom or on hillside:       x       x         12       *Erosion of toe:       x       x         13       *Water impounded against toe:       x       x         14       Existing embankment freeboard = 0 FT       x       x         15		· · ·			x			
8       Cracks or scarps on slope:       x         9       Sloughing or bulging on slope:       x         10       *Major erosion problems:       x         11       Surface movements in valley bottom or on hillside:       x         12       *Erosion of toe:       x         13       *Water impounded against toe:       x         14       Existing embankment freeboard = 0 FT         15		"Boils" beneath stream or ponded water:						
9       Sloughing or bulging on slope:       x         10       *Major erosion problems:       x         11       Surface movements in valley bottom or on hillside:       x         12       *Erosion of toe:       x         13       Water impounded against toe:       x         14       Existing embankment freeboard = 0 FT         15	7	7 Cracks or scarps on crest:			x			
10       *Major erosion problems:       x         11       Surface movements in valley bottom or on hillside:       x         12       *Erosion of toe:       x         13       *Water impounded against toe:       x         14       Existing embankment freeboard = 0 FT         15	8	8 Cracks or scarps on slope:			x			
11       Surface movements in valley bottom or on hillside:       x         12       *Erosion of toe:       x         13       *Water impounded against toe:       x         14       Existing embankment freeboard = 0 FT         15	9	9 Sloughing or bulging on slope:			x			
12       *Erosion of toe:       x         13       *Water impounded against toe:       x         14       Existing embankment freeboard = 0 FT         15	10				x			
13       *Water impounded against toe:       x         14       Existing embankment freeboard = 0 FT         15	11	Surface movements in valley bottom or on hillside:			x			
14       Existing embankment freeboard = 0 FT         15	12	*Erosion of toe:			x			
15	13	*Water impounded against toe:			х			
16       Cracks, bulging, or erosion on upstream face:       x         17       Visible sumps or sinkholes in slurry surface:       x         18       *Clogging       x         Spillway channels and pipes:       x       x         Decant system:       x       x         Diversion ditches:       x       x         19       *Cracking or crushing of pipes       x       x         Spillway pipes:       x       x       x         Decant system:       x       x       x         20       Trash racks clear and in place:       x       x         21       Discharge rate (gpm) = 50 GPM       x       x         *Major adverse changes in these items could cause instability and should be reported to the Engineering Manager and Mine Superintendent for further evaluation. Adverse conditions noted in these items should normally be	14	Existing embankment freeboard = 0 FT						
17       Visible sumps or sinkholes in slurry surface:       x         18       *Clogging         Spillway channels and pipes:       x         Decant system:       x         Diversion ditches:       x         19       *Cracking or crushing of pipes         Spillway pipes:       x         Decant system:       x         20       Trash racks clear and in place:       x         21       Discharge rate (gpm) = <b>50 GPM</b> *Major adverse changes in these items could cause instability and should be reported to the Engineering Manager and Mine Superintendent for further evaluation. Adverse conditions noted in these items should normally be	15	Increase Decrease in water level: 0.1' Above Spil	lway					
18       *Clogging         Spillway channels and pipes:       x         Decant system:       x         Diversion ditches:       x         19       *Cracking or crushing of pipes         Spillway pipes:       x         Decant system:       x         20       Trash racks clear and in place:       x         21       Discharge rate (gpm) = 50 GPM         *Major adverse changes in these items could cause instability and should be reported to the Engineering Manager and Mine Superintendent for further evaluation. Adverse conditions noted in these items should normally be	16	Cracks, bulging, or erosion on upstream face:			х			
Spillway channels and pipes:       x         Decant system:       x         Diversion ditches:       x         19       *Cracking or crushing of pipes         Spillway pipes:       x         Decant system:       x         20       Trash racks clear and in place:       x         21       Discharge rate (gpm) = 50 GPM         *Major adverse changes in these items could cause instability and should be reported to the Engineering Manager and Mine Superintendent for further evaluation. Adverse conditions noted in these items should normally be	17	Visible sumps or sinkholes in slurry surface:				х		
Decant system:       x         Diversion ditches:       x         19       *Cracking or crushing of pipes         Spillway pipes:       x         Decant system:       x         20       Trash racks clear and in place:       x         21       Discharge rate (gpm) = 50 GPM         *Major adverse changes in these items could cause instability and should be reported to the Engineering Manager and Mine Superintendent for further evaluation. Adverse conditions noted in these items should normally be	18	*Clogging						
Diversion ditches:       x         19       *Cracking or crushing of pipes         Spillway pipes:       x         Decant system:       x         20       Trash racks clear and in place:       x         21       Discharge rate (gpm) = 50 GPM         *Major adverse changes in these items could cause instability and should be reported to the Engineering Manager and Mine Superintendent for further evaluation. Adverse conditions noted in these items should normally be		Spillway channels and pipes:			х			
19       *Cracking or crushing of pipes         Spillway pipes:       x         Decant system:       x         20       Trash racks clear and in place:       x         21       Discharge rate (gpm) = 50 GPM         *Major adverse changes in these items could cause instability and should be reported to the Engineering Manager and Mine Superintendent for further evaluation. Adverse conditions noted in these items should normally be		Decant system:				х		
Spillway pipes:       x         Decant system:       x         20       Trash racks clear and in place:       x         21       Discharge rate (gpm) = 50 GPM         *Major adverse changes in these items could cause instability and should be reported to the Engineering Manager and Mine Superintendent for further evaluation. Adverse conditions noted in these items should normally be		Diversion ditches:			х			
Decant system:       x         20       Trash racks clear and in place:       x         21       Discharge rate (gpm) = 50 GPM         *Major adverse changes in these items could cause instability and should be reported to the Engineering Manager and Mine Superintendent for further evaluation. Adverse conditions noted in these items should normally be	19	*Cracking or crushing of pipes						
20       Trash racks clear and in place:       x       x         21       Discharge rate (gpm) = <b>50 GPM</b> *Major adverse changes in these items could cause instability and should be reported to the Engineering Manager and Mine Superintendent for further evaluation. Adverse conditions noted in these items should normally be		Spillway pipes:				х		
21 Discharge rate (gpm) = <b>50 GPM</b> *Major adverse changes in these items could cause instability and should be reported to the Engineering Manager and Mine Superintendent for further evaluation. Adverse conditions noted in these items should normally be		Decant system:				х		
*Major adverse changes in these items could cause instability and should be reported to the Engineering Manager and Mine Superintendent for further evaluation. Adverse conditions noted in these items should normally be	20	Trash racks clear and in place:		х				
and Mine Superintendent for further evaluation. Adverse conditions noted in these items should normally be	21	21 Discharge rate (gpm) = <b>50 GPM</b>						
		*Major adverse changes in these items could cause instability and should be reported to the Engineering Manager						
described (extextent, location, volume, etc.) here:		and Mine Superintendent for further evaluation. Adverse conditions noted in these items should normally be						
	des	described (extextent, location, volume, etc.) here:						

	PERIODIC INSPECTION FORM: Water, Sediment, or Slurry Impoundments					
INS	PECTOR'S NAME: Miranda Kawcak	DATE: 9/24/24				
NP	DES I.D. NO.: N/A	!				
FAC	ILITY CONFIGURATION: Incised Pond	DATE LAST INSPECTION: 6/1	L <b>0/2</b> 4			
SITI	NAME: Truck Wash Settling Pond	LOCATION: NW¼ NE¼, Sec.	34, T6N	, R87W		
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 RES	PONSE:	YES	NO	N/A	
1	Foundation preparation (removal of vegetation, stumps, top	soil:	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) = Dry (5.0')					
15	Increase Decrease in water level: No Change					
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:				x	
19	*Cracking or crushing of pipes					
	Spillway pipes:			х		
	Decant system:				х	
20	Trash racks clear and in place:		х			
21	Discharge rate (gpm) = <b>0 GPM</b>					
*M	ajor adverse changes in these items could cause instability and	d should be reported to the Er	ngineerin	g Manag	ger	
	and Mine Superintendent for further evaluation. Adverse conditions noted in these items should normally be					
des	cribed (extextent, location, volume, etc.) here:					

	PERIODIC INSPECTION FORM: Water, Sediment, or Slurry Impoundments					
INS	PECTOR'S NAME: Miranda Kawcak	DATE: 9/24/24				
NP	DES I.D. NO.: N/A	ł				
FAC	CILITY CONFIGURATION: Diked Pond	DATE LAST INSPECTION: 6/3	10/24			
SIT	E NAME: Upper Sump	LOCATION: NW¼, Sec. 3, T	5N, R87V	V7W		
MI	NE NAME: Peabody Sage Creek Mine	LOCATION: 7.1 mi. SE of Ha	ayden, Co	C		
МΙ	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, top	soil:	х		Ī	
2	2 Lift thickness =					
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			x		
	At natural hillside:			х		
	Over widespread areas:			x		
	From downstream foundation area:		х			
	"Boils" beneath stream or ponded water:					
7	7 Cracks or scarps on crest:			x		
8	8 Cracks or scarps on slope:			x		
9	9 Sloughing or bulging on slope:			х		
10	10 *Major erosion problems:			х		
11	Surface movements in valley bottom or on hillside:			х		
12	*Erosion of toe:			x		
13	*Water impounded against toe:			х		
14	Existing embankment freeboard = Discharging at spillway el	ev.				
15	Increase Decrease in water level: 0.1' Above Spil	lway				
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			
21	21 Discharge rate (gpm) = 50 GPM					
	*Major adverse changes in these items could cause instability and should be reported to the Engineering Manager					
	Mine Superintendent for further evaluation. Adverse condit	ions noted in these items shou	ıld norma	ally be		
des	described (extextent, location, volume, etc.) here:					

	PERIODIC INSPECTION FORM: Water, Se	ediment, or Slurry Impoundr	nents			
INS	PECTOR'S NAME: Miranda Kawcak	DATE: 9/24/24				
NPE	DES I.D. NO.: N/A					
FAC	ILITY CONFIGURATION: Diked Pond	DATE LAST INSPECTION: 6/1	LO/24			
SITE	NAME: Portal Sump #1 (upper north)	LOCATION: NW¼, Sec. 3, T	5N, R87V	v		
MIN	IE NAME: Peabody Sage Creek Mine	LOCATION: 7.1 mi. SE of Ha	yden, CO	2		
MIN	IE 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 = <b>12</b> "					
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	IncreaseDecrease in water level: Pumped empty					
16	Cracks, bulging, or erosion on upstream face:				х	
17	Visible sumps or sinkholes in slurry surface:				x	
18	*Clogging					
	Spillway channels and pipes:			х		
	Decant system:				x	
	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 (gpm) = <b>5 GPM</b>					
*Major adverse changes in these items could cause instability and should be reported to the Engineering Manager						
and Mine Superintendent for further evaluation. Adverse conditions noted in these items should normally be						
des	cribed (extextent, location, volume, etc.) here: <b>S</b>					
Î						

	PERIODIC INSPECTION FORM: Water, Sediment, or Slurry Impoundments						
INS	PECTOR'S NAME: Miranda Kawcak	DATE: 9/24/24					
NP	DES I.D. NO.: N/A						
FAC	CILITY CONFIGURATION: Diked Pond	DATE LAST INSPECTION: 6/	10/24				
SITI	E NAME: Portal Sump #2 (Lower South)	LOCATION: NW¼, Sec. 3, T	5N, R87V	v			
MI	NE NAME: Peabody Sage Creek Mine	LOCATION: 7.1 mi. SE of Ha	ayden, CO	)			
MI	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, top	soil:	х				
2	2 Lift thickness = 12"						
3	Compaction according to approved plan:		х				
4	Burning (specify extent and location):			х			
5	Angle of slope:upstream,downstream			N/A	<u> </u>		
6	*Seepage (specify location, color, and approximate volume)						
	From underdrain pipes				x		
	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	7 Cracks or scarps on crest:				х		
8	•				х		
9					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 = No Change			-			
15	IncreaseDecrease in water level: Pumps keeping	water levels to minimum					
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 (gpm) = <b>5 GPM</b>						
	*Major adverse changes in these items could cause instability and should be reported to the Engineering Manager						
	and Mine Superintendent for further evaluation. Adverse conditions noted in these items should normally be						
	cribed (extextent, location, volume, etc.) here: <b>Pumps not ru</b>						
JIOC	it to power on and off to control level. Sump has been pump	ea empty to perform mainte	nance on	the pur	nps.		