

Peabody Sage Creek Mining, LLC

July 8, 2021

Tabetha Lynch 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 2021 IIR

Dear Tabetha:

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.

Sincerely,

Miranda Kawcak Environmental Manager Peabody, Colorado Operations

Enclosure: PSCM IIR

	PERIODIC INSPECTION FORM: Water, Se	ediment, or Slurry Impoundr	nents		
INS	PECTOR'S NAME: Jason Herden	DATE: 06/15/21			
NPI	DES I.D. NO.: CO-0048275 D.P. 002				
FAC	CILITY CONFIGURATION: Incised Pond	DATE LAST INSPECTION: 3/2	22/21		
SITI	E NAME: Wadge Impoundment #002	LOCATION: NW¼ NE¼, Sec.	2, T5N, F	R87W	
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:			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	١
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					
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 = NA				
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:			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) = 43.6				
and	ajor adverse changes in these items could cause instability and Mine Superintendent for further evaluation. Adverse condition cribed (extextent, location, volume, etc.) here: DISCHARGE		ıld norma		ier

1016	PERIODIC INSPECTION FORM: Water, Se		nents		
	PECTOR'S NAME: Jason Herden	DATE: 6/15/21			
	DES I.D. NO.: CO-0048275 D.P. 003	DATE LAST INSPECTION 2/2	2 /24		
	CILITY CONFIGURATION: Diked Pond	DATE LAST INSPECTION: 3/2			
	E NAME: Shop Pond #003	LOCATION: SE¼ SW¼, Sec. 2			
	NE NAME: Peabody Sage Creek Mine	LOCATION: 7.1 mi. SE of Have			
IVIII	NE I.D. NO.: CMLRD Permit No. C-2009-087	OWNER'S REP.: Miranda Ka			
	CIRCLE OR WRITE IN APPROPRIATE RESP		YES	NO	N/A
	Foundation preparation (removal of vegetation, stumps, tops	oil:	X		
	Lift thickness = 12 inches				ī
	Compaction according to approved plan:		х		
	Burning (specify extent and location):			Х	
	Angle of slope: 2:1 upstream, 3:1 downstream		To	tal = 5:1	
6	*Seepage (specify location, color, and approximate volume)				ı
	From underdrain pipes				х
	At isolated points on embanckement slopes			х	
	At natural hillside:			х	
	Over widespread areas:			X	
	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:					
	Sloughing or bulging on slope:		х		
10	*Major erosion problems:			х	
	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: NO CHANGE				
	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) = 2.1				
and des	ajor adverse changes in these items could cause instability and land land land land land land land		ıld norma	ally be	_

	PERIODIC INSPECTION FORM: Water, Se		nents		
	PECTOR'S NAME: Jason Herden	DATE: 6/17/21			
	DES I.D. NO.: CO-0048275 D.P. 004				
	ILITY CONFIGURATION: Diked Pond	DATE LAST INSPECTION: 3/			
	NAME: South Section 12 Pond #004	LOCATION: SW¼ SE¼, Sec. 1			
	IE NAME: Peabody Sage Creek Mine	LOCATION: 7.1 mi. SE of Hay		1	
MIN	NE I.D. NO.: CMLRD Permit No. C-2009-087	OWNER'S REP.: Miranda Ka	wcak		
	CIRCLE OR WRITE IN APPROPRIATE RESP	ONSE:	YES	NO	N/A
	Foundation preparation (removal of vegetation, stumps, tops	oil:	x		
2	Lift thickness = 12 inches				
3	Compaction according to approved plan:		X		
	Burning (specify extent and location):			X	
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:			х	
	From downstream foundation area:			x	
	"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:			x	
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 (4.8' is normal) = 4.8'				
15	Increase Decrease in water level: NO CHANGE				
	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:			х	
19	*Cracking or crushing of pipes				
	Spillway pipes:			x	
	Decant system:				х
20	Trash racks clear and in place:		x		
21	Discharge rate (gpm) = 44.9				
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

INIC	PERIODIC INSPECTION FORM: Water, Se		nents		
	PECTOR'S NAME: Jason Herden	DATE: 6/17/21			
	DES I.D. NO.: N/A	DATE LAST INSPECTION: 2/2	2 /24		
	CILITY CONFIGURATION: Incised Pond	DATE LAST INSPECTION: 3/2		D07\A/	
	E NAME: Spill Control Pond #2	LOCATION: NW% NE%, Sec.			
	NE NAME: Peabody Sage Creek Mine NE I.D. NO.: CMLRD Permit No. C-2009-087	LOCATION: 7.1 mi. SE of Ha		,	
IVIII		OWNER'S REP.: Miranda Ka		NO	1 1 / 1
_	CIRCLE OR WRITE IN APPROPRIATE RESP		YES	NO	N/A
	Foundation preparation (removal of vegetation, stumps, tops	OII:	х		
	Lift thickness =	1			I
	Compaction according to approved plan:				Х
	Burning (specify extent and location):			21/2	Х
	Angle of slope:upstream,downstream			N/A	
6	*Seepage (specify location, color, and approximate volume)	1			I
	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:				
8 Cracks or scarps on slope:					
9 Sloughing or bulging on slope:					
	*Major erosion problems:			х	
	Surface movements in valley bottom or on hillside:			х	
	*Erosion of toe:			х	
	*Water impounded against toe:			х	
	Existing embankment freeboard (7.0' is normal when dry) = 7	.0'			
15	Increase Decrease in water level: NO CHANGE				1
	Cracks, bulging, or erosion on upstream face:			х	
	Visible sumps or sinkholes in slurry surface:				Х
18	*Clogging				1
	Spillway channels and pipes:			х	
	Decant system:				Х
	Diversion ditches:				X
19	*Cracking or crushing of pipes				1
	Spillway pipes:				Х
	Decant system:				Х
	Trash racks clear and in place:				Х
	Discharge rate (gpm) = 0.0				
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

	PERIODIC INSPECTION FORM: Water, Se		nents		
	PECTOR'S NAME: Jason Herden	DATE: 6/17/21			
	DES I.D. NO.: N/A				
	CILITY CONFIGURATION: Final Pit Impoundment	DATE LAST INSPECTION: 3/2			
	NAME: Pecoco Reservoir	LOCATION: SW¼ NW¼, Sec.			
	NE NAME: Peabody Sage Creek Mine	LOCATION: 7.1 mi. SE of Ha			
MIN	NE I.D. NO.: CMLRD Permit No. C-2009-087	OWNER'S REP.: Miranda Ka			
	CIRCLE OR WRITE IN APPROPRIATE RESI		YES	NO	N/A
	Foundation preparation (removal of vegetation, stumps, tops	soil:	Х		
	Lift thickness =				
	Compaction according to approved plan:		Х		
	Burning (specify extent and location):			х	
	Angle of slope: <u>5:1</u> upstream, <u>2:1</u> downstream		To	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:			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	
	Sloughing or bulging on slope:		х		
10	*Major erosion problems:			х	
	Surface movements in valley bottom or on hillside:			х	
12	*Erosion of toe:			х	
	*Water impounded against toe:			х	
14	Existing embankment freeboard (6.1' is normal) = 6.1'				
15	Increase Decrease in water level: NO CHANGE				
	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) = 97.8				
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:				ger

INIC	PERIODIC INSPECTION FORM: Water, Se		nents		
	PECTOR'S NAME: Jason Herden	DATE: 6/17/21			
	DES I.D. NO.: N/A	DATE LACT INCDECTIONS 2/2	22/24		
	CILITY CONFIGURATION: Diked Pond	DATE LAST INSPECTION: 3/2	•	,	
	E NAME: Lower Sump	LOCATION: SE¼, Sec. 34, To			
	NE NAME: Peabody Sage Creek Mine NE I.D. NO.: CMLRD Permit No. C-2009-087	LOCATION: 7.1 mi. SE of Ha	-	<u>, </u>	
IVIII		OWNER'S REP.: Miranda Ka		NO	1 1 / 4
_	CIRCLE OR WRITE IN APPROPRIATE RESI		YES	NO	N/A
	Foundation preparation (removal of vegetation, stumps, tops	OII:	Х		
	Lift thickness =			1	I
	Compaction according to approved plan:		х		
	Burning (specify extent and location):			X	
	Angle of slope:upstream,downstream			N/A	
6	*Seepage (specify location, color, and approximate volume)			1	I
	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		
8 Cracks or scarps on slope:					
	9 Sloughing or bulging on slope:				
	*Major erosion problems:			х	
	Surface movements in valley bottom or on hillside:			х	
	*Erosion of toe:			х	
	*Water impounded against toe:			х	
	Existing embankment freeboard =				
15				ı	1
	Cracks, bulging, or erosion on upstream face:			х	
	Visible sumps or sinkholes in slurry surface:				Х
18	*Clogging			ı	1
	Spillway channels and pipes:			х	
	Decant system:				Х
	Diversion ditches:			х	
19	*Cracking or crushing of pipes			ı	1
	Spillway pipes:				Х
	Decant system:				Х
	Trash racks clear and in place:		X		
	Discharge rate (gpm) = 87.6				
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:	·	_	_	ger

	PERIODIC INSPECTION FORM: Water, Se	ediment, or Slurry Impoundr	nents					
INS	PECTOR'S NAME: Jason Herden	DATE: 6/17/21						
NP	DES I.D. NO.: N/A							
FAC	PDES I.D. NO.: N/A							
SITE	NAME: Truck Wash Settling Pond	LOCATION: NW% NE%, Sec.	34, T6N	, R87W				
MIN	NE NAME: Peabody Sage Creek Mine	LOCATION: 7.1 mi. SE of Ha	yden, CO	o				
MIN	NE I.D. NO.: CMLRD Permit No. C-2009-087	OWNER'S REP.: Miranda Ka	wcak					
	CIRCLE OR WRITE IN APPROPRIATE RESP	PONSE:	YES	NO	N/A			
1	Foundation preparation (removal of vegetation, stumps, tops	soil:	х					
2	Lift thickness =							
3								
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			
INSPECTOR'S NAME: Jason Herden NPDES I.D. NO.: N/A FACILITY CONFIGURATION: Incised Pond DATE LAST INSPECTION: 3/22/21 SITE NAME: Truck Wash Settling Pond LOCATION: NWX NEX, Sec. 34, T6N, R87W MINE NAME: Peabody Sage Creek Mine LOCATION: 7.1 ml. SE of Hayden, CO OWNER'S REP.: Miranda Kawcak ***CIRCLE OR WRITE IN APPROPRIATE RESPONSE:** YES NO N/A 1 Foundation preparation (removal of vegetation, stumps, topsoil: x x x 2 Lift thickness = 3 Compaction according to approved plan: x x 4 Burning (specify extent and location): x x x 5 Angle of slope:upstream,downstream x x From underdrain pipes At isolated points on embanckement slopes To racks or scarps on slope: 1					х			
STE NAME: Truck Wash Settling Pond LOCATION: NW% NEW, Sec. 34, 7 6N, R87W					х			
10	*Major erosion problems:			х				
	PDES I.D. NO.: N/A ACILITY CONFIGURATION: Incised Pond DATE LAST INSPECTION: 3/22/21 TER NAME: Truck Wash Settling Pond INE NAME: Peabody Sage Creek Mine LOCATION: 7.1 ml. SE of Hayden, CO INE I.D. NO.: CMLRD Permit No. C-2009-087 OWNER'S REP.: Miranda Kawcak CIRCLE OR WRITE IN APPROPRIATE RESPONSE: LIft thickness = 3. Compaction according to approved plan: Burning (specify extent and location): Angle of Slope: _upstream, _downstream N/A *Seepage (specify location, color, and approximate volume) From underdrain pipes At isolated points on embanckement slopes At natural hillside: Over widespread areas: From downstream foundation area: *Solicy bearth stream or ponded water: Cracks or scarps on crest: Scracks or scarps on slope: Sloughing or bulging on slope: Sloughing or bulging on slope: Sloughing or bulging on slope: Surface movements in valley bottom or on hillside: **A ** **A ** **A ** **Water impounded against toe: **A ** ** **A ** ** ** ** ** **							
12	Sloughing or bulging on slope: x							
					х			
14	Existing embankment freeboard (5.0' is normal)							
_								
					х			
					х			
18								
				х				
	·				х			
					х			
19								
				х				
	•				х			
	·		X					
and	Mine Superintendent for further evaluation. Adverse condition	· · · · · · · · · · · · · · · · · · ·	_	_	ger			
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NPDES I.D. NO.: N/A FACILITY CONFIGURATION: Diked Pond DATE LAST INSPECTION: 3/22/21 SITE NAME: Upper Sump LOCATION: NWX, Sec. 3, TSN, R87W7 MINE NAME: Peabody Sage Creek Mine LOCATION: 1.1 mi. SE of Hayden, CO MINE I.D. NO.: CMIRD Permit No. C-2009-087 OWNER'S REP.: Miranda Kawcak CIRCLE OR WRITE IN APPROPRIATE RESPONSE: YES I Foundation preparation (removal of vegetation, stumps, topsoil: Lift thickness = Compaction according to approved plan: Burning (specify extent and location): All Burning (specify location, color, and approximate volume) From underdrain pipes At isolated points on embanckement slopes At natural hillside: Over widespread areas: From downstream foundation area: "Boils" beneath stream or ponded water: Cracks or scarps on crest: Cracks or scarps on crest: Cracks or scarps on slope: Sloughing or bulging on slope: Sloughing or bulging on slope: "Major erosion problems: Surface movements in valley bottom or on hillside: "Frosion of toe: "Water impounded against toe: Existing embankment freeboard = Licrease	INICI	PERIODIC INSPECTION FORM: Water, Se		nents		
FACILITY CONFIGURATION: Diked Pond DATE LAST INSPECTION: 3/22/21 SITE NAME: Upper Sump LOCATION: NWX, Sec. 3, TSN, R87W71 MINE NAME: Peabody Sage Creek Mine LOCATION: 7.1 mi. SE of Hayden, CO MINE I.D. NO.: CMIRD Permit No. C-2009-087 OWNER'S REP.: Miranda Kawcak CIRCLE OR WRITE IN APPROPRIATE RESPONSE: YES 1 Foundation preparation (removal of vegetation, stumps, topsoil: x 2 Lift thickness = 3 Compaction according to approved plan: x 4 Burning (specify extent and location): x 5 Angle of slope: upstream, downstream N 6 *Seepage (specify location, color, and approximate volume) From underdrain pipes At isolated points on embanckement slopes At natural hillside: verwickness at a natural hillside: verwickness at solated points on embanckement slopes At natural hillside: verwickness at a natural hillside: verwickness at solated points on embanckement slopes At natural hillside verwickness at a natural hillside: verwickness at solated points on embanckement slopes At natural hillside: verwickness at solated points on embanckement slopes At natural hillside: verwickness at solated points on embanckement slopes At natural hillside: verwickness at solated points on embanckement slopes At natural hillside: verwickness at solated points on embanckement slopes At natural hillside: verwickness at solated points on embanckement slopes At natural hillside: verwickness at solated points on slopes: verwickness at solated points on embanckement slopes From downstream foundation area: verwickness at solated points on slopes: verwickness at slopes at slopes at slopes at slopes at slopes and slopes: verwickness at slopes at slopes and slopes: verwickness at slopes and slopes: verwickness at slopes at slopes and slopes: verwickness at slopes at slopes and slopes: verwickness at slopes and slopes at slopes and slopes: verwickness at slopes at slopes and slopes: verwickness at slopes at slope		PECTOR'S NAME: Jason Herden	DATE: 6/17/21			
SITE NAME: Upper Sump MINE NAME: Peabody Sage Creek Mine LOCATION: 7.1 mi. SE of Hayden, CO WINE I.D. NO.: CMILED Permit No. C-2009-087 CIRCLE OR WRITE IN APPROPRIATE RESPONSE: 1 Foundation preparation (removal of vegetation, stumps, topsoil: 2 Lift thickness = 3 Compaction according to approved plan: 4 Burning (specify extent and location): 5 Angle of slope:upstream,downstream 6 *Seepage (specify location, color, and approximate volume) From underdrain pipes At isolated points on embanckement slopes At natural hillside: Over widespread areas: From downstream foundation area: "Boils" beneath stream or ponded water: 7 Cracks or scarps on crest: 8 Cracks or scarps on slope: 9 Sloughing or bulging on slope: 10 *Major erosion problems: 11 Surface movements in valley bottom or on hillside: 12 *Erosion of toe: 13 *Water impounded against toe: 14 Existing embankment freeboard = 15						
MINE NAME: Peabody Sage Creek Mine MINE I.D. NO.: CMLRD Permit No. C-2009-087 OWNER'S REP.: Miranda Kawcak CIRCLE OR WRITE IN APPROPRIATE RESPONSE: YES Foundation preparation (removal of vegetation, stumps, topsoil: x Lift thickness = Compaction according to approved plan: A Burning (specify extent and location): Angle of slope: upstream, downstream N Seepage (specify location, color, and approximate volume) From underdrain pipes At isolated points on embanckement slopes At natural hillside: Over widespread areas: From downstream foundation area: "Boils" beneath stream or ponded water: Cracks or scarps on crest: Cracks or scarps on crest: Cracks or scarps on slope: Sloughing or bulging on slope: 10 *Major erosion problems: Surface movements in valley bottom or on hillside: 12 *Erosion of toe: 13 *Water impounded against toe: Existing embankment freeboard = 15 Increase Decrease in water level: NO CHANGE Cracks, bulging, or erosion on upstream face: 17 Visible sumps or sinkholes in slurry surface: 18 *Clogging Spillway channels and pipes: Decant system: Diversion ditches: 19 *Cracking or crushing of pipes Spillway pipes: Decant system: Diversion dives: 10 *Scharge rate (gpm) = 87.6 *Major adverse changes in these items could cause instability and should be reported to the Engineering and Mine Superintendent for further evaluation. Adverse conditions noted in these items should normally, and should be reported to the Engineering and Mine Superintendent for further evaluation. Adverse conditions noted in these items should normally, and should be reported to the Engineering and Mine Superintendent for further evaluation. Adverse conditions noted in these items should normally, and should be reported to the Engineering and Mine Superintendent for further evaluation. Adverse conditions noted in these items should normally, and should be reported to the Engineering and Mine Superintendent for further evaluation. Adverse conditions noted in these items should normally, and should						
MINE I.D. NO.: CMLRD Permit No. C-2009-087 CIRCLE OR WRITE IN APPROPRIATE RESPONSE: YES Foundation preparation (removal of vegetation, stumps, topsoil: x Lift thickness = 3 Compaction according to approved plan: x 4 Burning (specify extent and location):						
CIRCLE OR WRITE IN APPROPRIATE RESPONSE: Foundation preparation (removal of vegetation, stumps, topsoil: x 1 Foundation preparation (removal of vegetation, stumps, topsoil: x 2 Lift thickness =					<u> </u>	
Foundation preparation (removal of vegetation, stumps, topsoil: x Lift thickness =	MIIN					
2 Lift thickness = 3 Compaction according to approved plan: 4 Burning (specify extent and location): 5 Angle of slope:upstream,downstream 6 *Seepage (specify location, color, and approximate volume) From underdrain pipes At isolated points on embanckement slopes At natural hillside: Over widespread areas: From downstream foundation area: **Boils" beneath stream or ponded water: 7 Cracks or scarps on crest: 8 Cracks or scarps on slope: 9 Sloughing or bulging on slope: 10 *Major erosion problems: 11 Surface movements in valley bottom or on hillside: 12 *Erosion of toe: 13 *Water impounded against toe: 14 Existing embankment freeboard = 15Increase Decrease in water level: NO CHANGE 16 Cracks, bulging, or erosion on upstream face: 17 Visible sumps or sinkholes in slurry surface: 18 *Clogging Spillway channels and pipes: Decant system: Diversion ditches: 19 *Cracking or crushing of pipes Spillway pipes: Decant system: Diversion ditches: 10 Trash racks clear and in place: 20 Trash racks clear and in place: 21 Discharge rate (gpm) = 87.6 *Major adverse changes in these items could cause instability and should be reported to the Engineering and Mine Superintendent for further evaluation. Adverse conditions noted in these items should normally, and should be reported to the Engineering and Mine Superintendent for further evaluation. Adverse conditions noted in these items should normally, and should be reported to the Engineering and Mine Superintendent for further evaluation. Adverse conditions noted in these items should normally, and should be reported to the Engineering and Mine Superintendent for further evaluation. Adverse conditions noted in these items should normally, and should be reported to the Engineering and Mine Superintendent for further evaluation. Adverse conditions noted in these items should normally, and should be reported to the Engineering and Mine Superintendent for further evaluation. Adverse conditions noted in these items could cause in the second in the second in the second in the				YES	NO	N/A
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"Boils" beneath stream or ponded water: 7		Over widespread areas:			х	
7 Cracks or scarps on crest: 8 Cracks or scarps on slope: 9 Sloughing or bulging on slope: 10 *Major erosion problems: 11 Surface movements in valley bottom or on hillside: 12 *Erosion of toe: 13 *Water impounded against toe: 14 Existing embankment freeboard = 15		From downstream foundation area:		х		
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15	13	*Water impounded against toe:			x	
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20 Trash racks clear and in place: 21 Discharge rate (gpm) = 87.6 *Major adverse changes in these items could cause instability and should be reported to the Engineering and Mine Superintendent for further evaluation. Adverse conditions noted in these items should normally		Spillway pipes:			х	
Discharge rate (gpm) = 87.6 *Major adverse changes in these items could cause instability and should be reported to the Engineering and Mine Superintendent for further evaluation. Adverse conditions noted in these items should normally		Decant system:				х
*Major adverse changes in these items could cause instability and should be reported to the Engineering and Mine Superintendent for further evaluation. Adverse conditions noted in these items should normally	20	Trash racks clear and in place:		х		
and Mine Superintendent for further evaluation. Adverse conditions noted in these items should normally	21	Discharge rate (gpm) = 87.6				
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1016	PERIODIC INSPECTION FORM: Water, Se		nents			
	PECTOR'S NAME: Jason Herden	DATE: 6/17/21				
	DES I.D. NO.: N/A	DATE LAST INSPECTION 2	22/24			
FACILITY CONFIGURATION: Diked Pond DATE LAST INSPECTION: 3/22/21						
	NAME: Portal Sump #1 (Upper North)	LOCATION: NW¼, Sec. 3, T5				
	NE NAME: Peabody Sage Creek Mine	LOCATION: 7.1 mi. SE of Ha)		
MII	NE I.D. NO.: CMLRD Permit No. C-2009-087	OWNER'S REP.: Miranda Ka				
	CIRCLE OR WRITE IN APPROPRIATE RESP		YES	NO	N/A	
	Foundation preparation (removal of vegetation, stumps, tops	oil:	x			
	Lift thickness = 12"					
	Compaction according to approved plan:		x			
	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				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:						
8	8 Cracks or scarps on slope:				х	
9	9 Sloughing or bulging on slope:					
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: NO CHANGE					
	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) = 0.0					
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:	· ·	_	_	ger	

	PERIODIC INSPECTION FORM: Water, Se	ediment, or Slurry Impoundn	nents				
	PECTOR'S NAME: Jason Herden	DATE: 6/17/21					
NPI	DES I.D. NO.: N/A						
FACILITY CONFIGURATION: Diked Pond DATE LAST INSPECTION: 3/22/21							
SITI	E NAME: Portal Sump #2 (Lower South)	LOCATION: NW¼, Sec. 3, T5	N, R87V	V			
MINE NAME: Peabody Sage Creek Mine LOCATION: 7.1 mi. SE of Hayden, 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"						
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: 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:				х		
19	*Cracking or crushing of pipes						
	Spillway pipes:			x			
	Decant system:				х		
20	Trash racks clear and in place:				х		
21	Discharge rate (gpm) = 0.0						
ana	ajor adverse changes in these items could cause instability and Mine Superintendent for further evaluation. Adverse condition cribed (extextent, location, volume, etc.) here: NOT PUMPI	ons noted in these items shou	_	_	iger		

IMPOUNDMENT INSPECTION LOG

JOB DATA

008

JOB NAME: PEC Hydrologic Services	CLIENT: Peabody	JOB(s): 2021-095 (PSCM), 2021-096 (SCC)

FLOW DA	ГА		2				
SITEID	COMPANY	MINE	DATE	WATER LEVEL (FT)	OUTFLOW (GPM)	OBSERVATIONS	MAINTENANCE (Y/N)
002	Sage Creek	Sage Creek	6-15-21	0,0	43.6	all water going under Flume	y
003	Sage Creek	Sage Creek	6-15-21	0.10	3.1	Culvert Flume booken, animal bur	rows N
004	Sage Creek	Sage Creek	6-15/21	0.15	44.9		N
Lower Sump	Sage Creek	Sage Creek	6-17-27	0.1	87.4		N
PECOCO	Sage Creek	Sage Creek	6-17-21	-G	978		N
Portal Sump 1	Sage Creek	Sage Creek	6-17-21	_	-	no Flow	N
Portal Sump 2	Sage Creek	Sage Creek	6-17-21	0,[no Flow	N
Spill Control 2	Sage Creek	Sage Creek	6-17-21		}	Dry	N
Truck Wash	Sage Creek	Sage Creek	6-17-21	-)	DIS	N
Upper Sump	Sage Creek	Sage Creek	10-17-21	0,1	87.6		N
001	Seneca	Hayden Gulch	6-17-21	-2.0	_	NO Flow	N
002	Seneca	Hayden Gulch	6-17-21	-3,0	_	NO Flow	\sim
005	Seneca	Seneca II West	6-14-21	-15	_	NO Flow spring @Pun rojuge	at N
006	Seneca	Seneca II West	6-14-21	0.1	42.1	NO Flow NO Flow spring @ Den mings sluft on S. Side, no impact	N
009	Seneca	Seneca II West	6-14-2)	-35	<u> </u>	no Flow	N
015	Seneca	Seneca II West	6-14-21	-,3	-	NO FAM	N
016	Seneca	Seneca II West	6-14-51	0.1	63,4	smil seep	√,
017	Seneca	Seneca II West	6-14-21	0.1	1.0		N
T-1	Seneca	Seneca II West	6-17-21	~	<u> </u>	פוק	N
T-18	Seneca	Seneca II West	6-17-21	- 2,5	1	No Flow	N
T-2	Seneca	Seneca II West	6-17-21	_	_	Dry	N
T-20	Seneca	Seneca II West	6-17-21	-3.4	J	NO Flow	N
T-22	Seneca	Seneca II West	6-17-21	-1.4	~	NO Flow	N
T-24	Seneca	Seneca II West	6-17-21	~	~	DIM	N
T-25	Seneca	Seneca II West	6-17-21			Dry	~
T-26	Seneca	Seneca II West	617-21	~ 3,	-	NO Flow	N

6-14-3

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WWCENGINEERING
IMPOUNDMENT INSPECTION LOG

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2,2 outlet pipe baken

SITEID	COMPANY	MINE	DATE	WATER LEVEL (FT)	OUTFLOW (GPM)	OBSERVATIONS	MÁINTENANCE (Y/N)
T-27	Seneca	Seneca II West	6-17-71	-3,3	7	NO Flow NO Flow NO Flow NO Flow and Flow outlet maked, cat tails	N
T-3	Seneca	Seneca II West	4-17-21	~ 3, l	-	No flow	N
T-5	Seneca	Seneca II West	6-17-21	~3,3	~	NO Flow	N
010	Seneca	Yoast	6-14-31	-0.3	~	No Flan, antlet maked, cattails	У
011	Seneca	Yoast	6-14-31	-1.3		No Flow	N
011A	Seneca	Yoast	6-15-31	-1.5	_	NO Flow	N
012	Seneca	Yoast	6-14-21	0.1	57.7		N
012A	Seneca	Yoast	6-16-21	-1.0	_	No Flow	N
013	Seneca	Yoast	6-14-21	-1.0	_	No Flow	N
014	Seneca	Yoast	6-14-21	-1.3	_	No Flow	N
ST-1	Seneca	Yoast	6-17-21	-1.4		NO Flow NO Flow NO Flow	N

FIELD PERSONNEL: 3H	FIELD PERSONNEL SIGNATURE: L
NOTES	
NOTES	
9	

