



Peabody Sage Creek Mine
29515 Routt County Road 27
Oak Creek, CO 80467

Peabody Sage Creek Mining, LLC

April 9, 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, First 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, Sediment, or Slurry Impoundments				
INSPECTOR'S NAME: Jason Herden		DATE: 03/22/21		
NPDES I.D. NO.: CO-0048275 D.P. 002				
FACILITY CONFIGURATION: Incised Pond		DATE LAST INSPECTION: 10/22/20		
SITE NAME: Wadge Impoundment #002		LOCATION: NW¼ NE¼, Sec. 2, T5N, 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
2	Lift thickness:			x
3	Compaction according to approved plan:			x
4	Burning (specify extent and location):			x
5	Angle of slope: _____ upstream, _____ downstream	Total = N/A		
6	*Seepage (specify location, color, and approximate volume)			
	From underdrain pipes			x
	At isolated points on embankment 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 = NA			
15	_____ Increase _____ Decrease in water level: NO CHANGE			
16	Cracks, bulging, or erosion on upstream face:			x
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) = 78.3			
<p>*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 (extent, location, volume, etc.) here: Snow Covered</p>				

PERIODIC INSPECTION FORM: Water, Sediment, or Slurry Impoundments				
INSPECTOR'S NAME: Jason Herden		DATE: 03/23/21		
NPDES I.D. NO.: CO-0048275 D.P. 003				
FACILITY CONFIGURATION: Diked Pond		DATE LAST INSPECTION: 10/22/20		
SITE NAME: Shop Pond #003		LOCATION: SE¼ SW¼, Sec. 27, 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		
2	Lift thickness = 12 inches			
3	Compaction according to approved plan:	x		
4	Burning (specify extent and location):		x	
5	Angle of slope: <u>2:1</u> upstream, <u>3:1</u> downstream	Total = 5:1		
6	*Seepage (specify location, color, and approximate volume)			
	From underdrain pipes			x
	At isolated points on embankment 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 (4.9' is normal) = 4.9'			
15	<u> </u> Increase <u> </u> Decrease in water level: NO CHANGE			
16	Cracks, bulging, or erosion on upstream face:		x	
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) = 3.8			
<p><i>*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 (extent, location, volume, etc.) here: 15 inch THEL-MAR Voulmetric weir broken but still operable by hand for flow measurement. Small animal burrows need to occasionally be filled in during ongoing maintenance.</i></p>				

PERIODIC INSPECTION FORM: Water, Sediment, or Slurry Impoundments				
INSPECTOR'S NAME: Jason Herden		DATE: 03/22/21		
NPDES I.D. NO.: CO-0048275 D.P. 004				
FACILITY CONFIGURATION: Diked Pond		DATE LAST INSPECTION: 10/22/20		
SITE NAME: South Section 12 Pond #004		LOCATION: SW¼ SE¼, Sec. 12, T5N, 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		
2	Lift thickness = 12 inches			
3	Compaction according to approved plan:	x		
4	Burning (specify extent and location):		x	
5	Angle of slope: <u>5:1</u> upstream, <u>2:1</u> downstream	Total = 7:1		
6	*Seepage (specify location, color, and approximate volume)			
	From underdrain pipes-		x	
	At isolated points on embankment 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 (4.8' is normal) = 4.8'			
15	___ Increase ___ ___ Decrease in water level: Decrease			
16	Cracks, bulging, or erosion on upstream face:		x	
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) = 43.6			
<p>*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 (extent, location, volume, etc.) here: None</p>				

PERIODIC INSPECTION FORM: Water, Sediment, or Slurry Impoundments					
INSPECTOR'S NAME: Jason Herden			DATE: 03/22/21		
NPDES I.D. NO.: N/A					
FACILITY CONFIGURATION: Incised Pond			DATE LAST INSPECTION: 10/2/20		
SITE NAME: Spill Control Pond #2			LOCATION: NW¼ NE¼, 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		
2	Lift thickness = 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)				
	From underdrain pipes				x
	At isolated points on embankment 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 (7.0' is normal when dry) = 7.0'				
15	___ Increase ___ Decrease in water level: SAME				
16	Cracks, bulging, or erosion on upstream face:			x	
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) = 0				
<p>*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 (extent, location, volume, etc.) here: None</p>					

PERIODIC INSPECTION FORM: Water, Sediment, or Slurry Impoundments				
INSPECTOR'S NAME: Jason Herden		DATE: 03/22/21		
NPDES I.D. NO.: N/A				
FACILITY CONFIGURATION: Final Pit Impoundment		DATE LAST INSPECTION: 10/2/20		
SITE NAME: Pecoco Reservoir		LOCATION: SW¼ NW¼, Sec. 2, T5N, 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		
2	Lift thickness = None - Pit Impoundment			
3	Compaction according to approved plan:	x		
4	Burning (specify extent and location):		x	
5	Angle of slope: <u>5:1</u> upstream, <u>2:1</u> downstream	Total = 7:1		
6	*Seepage (specify location, color, and approximate volume)			
	From underdrain pipes			x
	At isolated points on embankment 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 (6.1' is normal) = 6.1'			
15	___ Increase ___ Decrease in water level: NO CHANGE			
16	Cracks, bulging, or erosion on upstream face:		x	
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) = 121			
<p>*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 (extent, location, volume, etc.) here: None</p>				

PERIODIC INSPECTION FORM: Water, Sediment, or Slurry Impoundments				
INSPECTOR'S NAME: Jason Herden		DATE: 03/22/21		
NPDES I.D. NO.: N/A				
FACILITY CONFIGURATION: Diked Pond		DATE LAST INSPECTION: 10/2/20		
SITE NAME: Lower Sump		LOCATION: SE¼, 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		
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
	At isolated points on embankment 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 =			
15	___ Increase ___ Decrease in water level: Same			
16	Cracks, bulging, or erosion on upstream face:		x	
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) = 153			
<p>*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 (extent, location, volume, etc.) here: None</p>				

PERIODIC INSPECTION FORM: Water, Sediment, or Slurry Impoundments				
INSPECTOR'S NAME: Jason Herden		DATE: 03/22/21		
NPDES I.D. NO.: N/A				
FACILITY CONFIGURATION: Incised Pond		DATE LAST INSPECTION: 10/2/20		
SITE NAME: Truck Wash Settling Pond		LOCATION: NW¼ NE¼, 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		
2	Lift thickness = 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)			
	From underdrain pipes			x
	At isolated points on embankment 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 (5.0' is normal) DRY			
15	___ Increase ___ Decrease in water level: No Change			
16	Cracks, bulging, or erosion on upstream face:			x
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) = 0			
<p>*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 (extent, location, volume, etc.) here: None</p>				

PERIODIC INSPECTION FORM: Water, Sediment, or Slurry Impoundments				
INSPECTOR'S NAME: Jason Herden		DATE: 03/22/21		
NPDES I.D. NO.: N/A				
FACILITY CONFIGURATION: Diked Pond		DATE LAST INSPECTION: 10/2/20		
SITE NAME: Upper Sump		LOCATION: NW¼, Sec. 3, T5N, R87W7W		
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		
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
	At isolated points on embankment 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 =			
15	___ Increase ___ Decrease in water level: <u>Same</u>			
16	Cracks, bulging, or erosion on upstream face:		x	
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) = 87			
<p>*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 (extent, location, volume, etc.) here: None</p>				

PERIODIC INSPECTION FORM: Water, Sediment, or Slurry Impoundments					
INSPECTOR'S NAME: Jason Herden			DATE: 03/22/21		
NPDES I.D. NO.: N/A					
FACILITY CONFIGURATION: Diked Pond			DATE LAST INSPECTION: 10/2/20		
SITE NAME: Portal Sump #1 (Upper North)			LOCATION: NW¼, Sec. 3, T5N, 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		
2	Lift thickness = 12"				
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
	At isolated points on embankment 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 = Water level at discharge				
15	___ Increase ___ Decrease in water level:				
16	Cracks, bulging, or erosion on upstream face:				x
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) = 0				
<p>*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 (extent, location, volume, etc.) here: None</p>					

PERIODIC INSPECTION FORM: Water, Sediment, or Slurry Impoundments				
INSPECTOR'S NAME: Jason Herden		DATE: 03/22/21		
NPDES I.D. NO.: N/A				
FACILITY CONFIGURATION: Diked Pond		DATE LAST INSPECTION: 10/2/20		
SITE NAME: Portal Sump #2 (Lower South)		LOCATION: NW¼, Sec. 3, T5N, 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		
2	Lift thickness = 12"			
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
	At isolated points on embankment 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 = Water level 1ft below discharge			
15	___ Increase ___ Decrease in water level: No change			
16	Cracks, bulging, or erosion on upstream face:			x
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) = 0			
<p>*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 (extent, location, volume, etc.) here: None</p>				

IMPOUNDMENT INSPECTION LOG

JOB DATA

JOB NAME: PEC Hydrologic Support Services	CLIENT: Peabody	LOCATION: Routt County, CO
JOB(s): 2018-005 T1-SCC, 2018-006 T1-PSCM		

FLOW DATA

SITE ID	COMPANY	MINE	DATE	TIME	WATER LEVEL (FT)	OUTFLOW (GPM)	OBSERVATIONS	MAINTENANCE (Y/N)
002	Sage Creek	Sage Creek	3-22-21	07:50	0.46	78.3	snow covered	N
003	Sage Creek	Sage Creek	3-22-21	07:30	0.11	3.8	snow covered	N
004	Sage Creek	Sage Creek	3-22-21	08:15	0.10	43.6	snow covered	N
Lower Sump	Sage Creek	Sage Creek	3-22-21	13:55	0.2	153	snow covered	N
PECOCO	Sage Creek	Sage Creek	3-22-21	15:45	0.2	121	PECO snow covered	N
Portal Sump 1	Sage Creek	Sage Creek	3-22-21	14:50	-	-	Frozen	N
Portal Sump 2	Sage Creek	Sage Creek	3-22-21	15:10	-	-	snow covered	N
Spill Control 2	Sage Creek	Sage Creek	3-22-21	14:35	-	-	PECO snow covered	N
Truck Wash	Sage Creek	Sage Creek	3-22-21	13:45	-	-	Dry	N
Upper Sump	Sage Creek	Sage Creek	3-22-21	15:25	0.2	87	snow covered	N
001	Seneca	Hayden Gulch	3-23-21	07:00	-	-	snow covered	N
002	Seneca	Hayden Gulch	3-23-21	07:20	-	-	snow covered	N
005	Seneca	Seneca II West	3-22-21	10:30	-1.3	-	snow covered	N
006	Seneca	Seneca II West	3-22-21	09:30	0.1	48.8	snow covered	N
009	Seneca	Seneca II West	3-22-21	10:50	-3.5	-	snow covered	N
015	Seneca	Seneca II West	3-22-21	11:05	0.04	2.3	snow covered	N
016	Seneca	Seneca II West	3-22-21	09:50	0.1	54.3	snow covered	N
017	Seneca	Seneca II West	3-22-21	10:10	0.1	2.9	snow covered	N
T-1	Seneca	Seneca II West	3-22-21	-	-	-	winter	-
T-18	Seneca	Seneca II West	3-22-21	-	-	-	winter	-
T-2	Seneca	Seneca II West	3-22-21	-	-	-	winter	-
T-20	Seneca	Seneca II West	3-22-21	-	-	-	winter	-
T-22	Seneca	Seneca II West	3-22-21	-	-	-	winter	-
T-24	Seneca	Seneca II West	3-22-21	-	-	-	winter	-
T-25	Seneca	Seneca II West	3-22-21	-	-	-	winter	-
T-26	Seneca	Seneca II West	3-22-21	-	-	-	winter	-

SITE ID	COMPANY	MINE	DATE	TIME	WATER LEVEL (FT)	OUTFLOW (GPM)	OBSERVATIONS	MAINTENANCE (Y/N)
T-27	Seneca	Seneca II West	3-23-21	—	—	—	winter	—
T-3	Seneca	Seneca II West	3-23-21	—	—	—	winter	—
T-5	Seneca	Seneca II West	3-23-21	—	—	—	winter	—
010	Seneca	Yoast	3-22-21	12:30	0.1	3.4	snow covered, pipe under	N
011	Seneca	Yoast	3-23-21	08:30	-2.7	—	winter, snow covered	N
011A	Seneca	Yoast	3-22-21	—	—	—	winter	—
012	Seneca	Yoast	3-22-21	12:00	0.1	54.6	snow covered	N
012A	Seneca	Yoast	3-22-21	11:30	-1.5	—	snow covered	N
013	Seneca	Yoast	3-22-21	13:00	-1.0	—	snow covered	N
014	Seneca	Yoast	3-22-21	13:20	-1.9	—	snow covered	N
ST-1	Seneca	Yoast	3-23-21	—	—	—	winter	—

CLIMATIC CONDITIONS:

FIELD PERSONNEL: JH

FIELD PERSONNEL SIGNATURE:

NOTES

[illegible]