



Seneca Coal Company

April 24, 2019

Robin Reilly
Colorado Division of Reclamation, Mining and Safety
1313 Sherman Street
Denver, CO 80203

RE: Seneca II W Mine, Permit C-82-057, 1Q19 IIR

Dear Robin:

In accordance with Rule 4.05.9(17), please find enclosed the Seneca II West Mine Impoundment Inspection Reports (IIR) and Impoundment Inspection Log (IIL) for Ponds:

- Pond #005, Pond #006, Pond #008, Pond #009, Pond #015, Pond #016, Pond #017

and Stock Tanks:

- Stock Tank T-1, Stock Tank T-2, Stock Tank T-3, Stock Tank T-5, Stock Tank T-18, Stock Tank T-20, Stock Tank T-22, Stock Tank T-24, Stock Tank T-25, Stock Tank T-26 and Stock Tank T-27.

No maintenance is required at this time. Please contact me with any comments and/or questions.

Sincerely,

Miranda Kawcak
Environmental Engineer

Enclosure: Seneca II W IIR

Mining Area Date Inspected Impoundment NPDES ID No Owner's Rep	Seneca II West Mine	Facility Configuration Date Last Inspected Pond Location Site Location Inspector	Cross-Vally Pond	Quarterly Impoundment Inspection Form
	3/11/2019		10/16/2018	
	Pond #005		NW¼ SW¼, Sec. 10, T5N, R88W	
	CMLRD Permit No. C-82-057		8 mi. S of Hayden, CO	
	Miranda Kawcak		Jason Herden	
Mark or Write in Appropriate Response:				
FEATURE		PROBLEM		COMMENTS
		YES (Above)	NO (Below)	
GENERAL				
Water Level (above or below principal spillway)			X	Water level 1.3 feet below spillway
Existing Embankment Freeboard (7.4 ft)		10.4		
Outflow (gpm)			X	
EROSION				
Rills & Gullies on Embankment			X	
Wave Erosion			X	
Spillway Erosion			X	
Burrows			x	
Other			X	
STRUCTURAL				
Differential Settling			X	
Cracks or Slides			X	
Seepage			X	
Other			X	
STRUCTURES				
Principal Spillway				
Clogged Orifice			X	
Clogged or Damaged Culvert			X	
Damaged Headgate			NA	
Emergency Spillway				
Erosion			X	
Riprap			X	
Clogged or Damaged Culvert			X	
Other			X	
MAINTENACE				
Maintenance Required			X	Snow Covered
Maintenance Performed			X	
Additional Comments			X	

Mining Area	Seneca II West Mine	Facility Configuration	Cross-Vally Pond	Quarterly Impoundment Inspection Form
Date Inspected	3/11/2019	Date Last Inspected	10/16/2018	
Impoundment	Pond #006	Pond Location	NW¼ NW¼, Sec. 22, T5N, R88W	
NPDES ID No	CO-0000221 D.P. 006	Site Location	8 mi. S of Hayden, CO	
Owner's Rep	Miranda Kawcak	Inspector	Jason Herden	
Mark or Write in Appropriate Response:				
FEATURE	PROBLEM		COMMENTS	
	YES (Above)	NO (Below)		
GENERAL				
Water Level (above or below principal spillway)	X		water level 0.1 feet above spillway	
Existing Embankment Freeboard (7.5 ft)	7.5			
Outflow (gpm)	X		29.5	
EROSION				
Rills & Gullies on Embankment		X		
Wave Erosion		X		
Spillway Erosion		X		
Burrows		X		
Other		X		
STRUCTURAL				
Differential Settling		X		
Cracks or Slides		X		
Seepage		X		
Other		X		
STRUCTURES				
Principal Spillway				
Clogged Orifice		X		
Clogged or Damaged Culvert		X		
Damaged Headgate		NA		
Emergency Spillway				
Erosion		X		
Riprap		X		
Clogged or Damaged Culvert		X		
Other		X		
MAINTENACE				
Maintenance Required		X	Sluff on south side above pond on hill, currently not affecting pond. Will continue to monitor. Snow Covered	
Maintenance Performed		X		
Additional Comments	X			

Mining Area Date Inspected Impoundment NPDES ID No Owner's Rep	Seneca II Mine	Facility Configuration Date Last Inspected Pond Location Site Location Inspector	Cross-Vally Pond	Quarterly Impoundment Inspection Form
	3/11/2019		10/1/2018	
	Pond #008		SE½SW¼, Sec. 7, T5N, R86W	
	CO-0000221 D.P.008		7.1 mi SE of Hayden, CO	
	Miranda Kawcak		Jason Herden	
Mark or Write in Appropriate Response:				
FEATURE		PROBLEM		COMMENTS
		YES (Above)	NO (Below)	
GENERAL				
Water Level (above or below principal spillway)		X		Water Level 0.3 above spillway
Existing Embankment Freeboard (4.7 ft)		4.7		
Outflow (gpm)		X		
EROSION				
Rills & Gullies on Embankment			X	
Wave Erosion			X	
Spillway Erosion			X	
Burrows			X	
Other			X	
STRUCTURAL				
Differential Settling			X	
Cracks or Slides			X	
Seepage			X	
Other			X	
STRUCTURES				
Principal Spillway				
Clogged Orifice			X	
Clogged or Damaged Culvert			X	
Damaged Headgate			NA	
Emergency Spillway				
Erosion			X	
Riprap			X	
Clogged or Damaged Culvert			X	
Other			X	
MAINTENACE				
Maintenance Required			X	Snow Covered
Maintenance Performed			X	
Additional Comments			X	

NO LONGER REQUIRED DUE TO FINAL BOND RELEASE

Mining Area Date Inspected Impoundment NPDES ID No Owner's Rep	Seneca II West Mine	Facility Configuration Date Last Inspected Pond Location Site Location Inspector	Cross-Vally Pond	Quarterly Impoundment Inspection Form
	3/11/2019		10/16/2018	
	Pond #009		SE¼ SW¼, Sec. 11, T5N, R88W	
	CO-0000221 D.P. 009		8 mi. S of Hayden, CO	
	Miranda Kawcak		Jason Herden	
Mark or Write in Appropriate Response:				
FEATURE		PROBLEM		COMMENTS
		YES (Above)	NO (Below)	
GENERAL				
Water Level (above or below principal spillway)			X	Water level 3.5 feet below top of pipe
Existing Embankment Freeboard (6.9 ft)		11.4		
Outflow (gpm)			X	
EROSION				
Rills & Gullies on Embankment			X	
Wave Erosion			X	
Spillway Erosion			X	
Burrows			X	
Other			X	
STRUCTURAL				
Differential Settling			X	
Cracks or Slides			X	
Seepage			X	
Other			X	
STRUCTURES				
Principal Spillway				
Clogged Orifice			X	
Clogged or Damaged Culvert			X	
Damaged Headgate			NA	
Emergency Spillway				
Erosion			X	
Riprap			X	
Clogged or Damaged Culvert			X	
Other			X	
MAINTENACE				
Maintenance Required			X	Snow Covered
Maintenance Performed			X	
Additional Comments			X	

Mining Area Date Inspected Impoundment NPDES ID No Owner's Rep	Seneca II West Mine	Facility Configuration Date Last Inspected Pond Location Site Location Inspector	Cross-Vally Pond	Quarterly Impoundment Inspection Form
	3/11/2019		10/16/2018	
	Pond #015		NE¼ SE¼, Sec. 23, T5N, R88W	
	CO-0000221 D.P. 015		8 mi. S of Hayden, CO	
	Miranda Kawcak		Jason Herden	
Mark or Write in Appropriate Response:				
FEATURE		PROBLEM		COMMENTS
		YES (Above)	NO (Below)	
GENERAL				
Water Level (above or below principal spillway)		X		water level 0.01 feet above spillway
Existing Embankment Freeboard (4.0 ft)		4.8		
Outflow (gpm)		X		
EROSION				
Rills & Gullies on Embankment			X	
Wave Erosion			X	
Spillway Erosion			X	
Burrows			X	
Other			X	
STRUCTURAL				
Differential Settling			X	
Cracks or Slides			X	
Seepage			X	
Other			X	
STRUCTURES				
Principal Spillway				
Clogged Orifice			X	
Clogged or Damaged Culvert			X	
Damaged Headgate			NA	
Emergency Spillway				
Erosion			X	
Riprap			X	
Clogged or Damaged Culvert			X	
Other			X	
MAINTENANCE				
Maintenance Required			X	Snow Covered
Maintenance Performed			X	
Additional Comments			X	

Mining Area Date Inspected Impoundment NPDES ID No Owner's Rep	Seneca II West Mine	Facility Configuration Date Last Inspected Pond Location Site Location Inspector	Cross-Vally Pond	Quarterly Impoundment Inspection Form
	3/11/2019		10/16/2018	
	Pond #016		NE¼ SE¼, Sec. 27, T5N, R88W	
	CO-0000221 D.P. 016		8 mi. S of Hayden, CO	
	Miranda Kawcak		Jason Herden	
Mark or Write in Appropriate Response:				
FEATURE		PROBLEM		COMMENTS
		YES (Above)	NO (Below)	
GENERAL				
Water Level (above or below principal spillway)		X		water level 0.09 feet above spillway 20.7
Existing Embankment Freeboard (6.8 ft)		6.8		
Outflow (gpm)		X		
EROSION				
Rills & Gullies on Embankment			X	
Wave Erosion			X	
Spillway Erosion			X	
Burrows			X	
Other			X	
STRUCTURAL				
Differential Settling			X	
Cracks or Slides			X	
Seepage			X	
Other			X	
STRUCTURES				
Principal Spillway				
Clogged Orifice			X	
Clogged or Damaged Culvert			X	
Damaged Headgate			NA	
Emergency Spillway				
Erosion			X	
Riprap			X	
Clogged or Damaged Culvert			X	
Other			X	
MAINTENACE				
Maintenance Required			X	Snow Covered
Maintenance Performed			X	
Additional Comments			X	

Mining Area	Seneca II West Mine	Facility Configuration	Cross-Vally Pond	Quarterly Impoundment Inspection Form
Date Inspected	3/11/2019	Date Last Inspected	10/16/2018	
Impoundment	Pond #017	Pond Location	SW¼ NE¼, Sec. 34, T5N, R88W	
NPDES ID No	CO-0000221 D.P. 017	Site Location	8 mi. S of Hayden, CO	
Owner's Rep	Miranda Kawcak	Inspector	Jason Herden	
Mark or Write in Appropriate Response:				
FEATURE	PROBLEM		COMMENTS	
	YES (Above)	NO (Below)		
GENERAL				
Water Level (above or below principal spillway)	X		water level 0.03 feet above spillway	
Existing Embankment Freeboard (3.1 ft)	3.1			
Outflow (gpm)	X		2.1	
EROSION				
Rills & Gullies on Embankment		X		
Wave Erosion		X		
Spillway Erosion		X		
Burrows		X		
Other		X		
STRUCTURAL				
Differential Settling		X		
Cracks or Slides		X		
Seepage		X		
Other		X		
STRUCTURES				
Principal Spillway				
Clogged Orifice		X		
Clogged or Damaged Culvert		X		
Damaged Headgate		NA		
Emergency Spillway				
Erosion		X		
Riprap		X		
Clogged or Damaged Culvert		X		
Other		X		
MAINTENANCE				
Maintenance Required	X		Flume shows some undercutting, need to place bentonite in	
Maintenance Performed		X	Spring 2019.	
Additional Comments	X			

Mining Area Date Inspected Impoundment NPDES ID No Owner's Rep	Seneca II West Mine	Facility Configuration Date Last Inspected Pond Location Site Location Inspector	Stockpond	Quarterly Impoundment Inspection Form
	3/11/2019		10/16/2018	
	Stock Tank T-1		SE¼SW¼, Sec 16, T5N, R88W	
	N/A		8 mi S of Hayden, CO	
	Miranda Kawcak		Jason Herden	
Mark or Write in Appropriate Response:				
FEATURE		PROBLEM		COMMENTS
		YES (Above)	NO (Below)	
GENERAL				
Water Level (above or below principal spillway)			X	Dry
EROSION				
Rills & Gullies on Embankment			X	
Wave Erosion			X	
Spillway Erosion			N/A	
Burrows			X	
Other			X	
STRUCTURAL				
Differential Settling			X	
Cracks or Slides			X	
Seepage			X	
Other			X	
STRUCTURES				
Principal Spillway				
Clogged Orifice			N/A	
Clogged or Damaged Culvert			N/A	
Damaged Headgate			N/A	
Emergency Spillway				
Erosion			X	
Riprap			X	
Clogged or Damaged Culvert			N/A	
Other			X	
MAINTENANCE				
Maintenance Required			X	DAM REMOVED SPRING 2012, ROCK IN CHANNEL NOW.
Maintenance Performed			X	
Additional Comments		X		

Mining Area Date Inspected Impoundment NPDES ID No Owner's Rep	Seneca II West Mine	Facility Configuration Date Last Inspected Pond Location Site Location Inspector	Stockpond	Quarterly Impoundment Inspection Form
	3/11/2019		10/16/2018	
	Stock Tank T-2		NW¼SW¼, Sec 22, T5N, R88W	
	N/A		8 mi S of Hayden, CO	
	Miranda Kawcak		Jason Herden	
Mark or Write in Appropriate Response:				
FEATURE		PROBLEM		COMMENTS
		YES (Above)	NO (Below)	
GENERAL				
Water Level (above or below principal spillway)			X	Dry
EROSION				
Rills & Gullies on Embankment			X	
Wave Erosion			X	
Spillway Erosion			X	
Burrows			X	
Other			X	
STRUCTURAL				
Differential Settling			X	
Cracks or Slides			X	
Seepage			X	
Other			X	
STRUCTURES				
Principal Spillway				
Clogged Orifice			NA	
Clogged or Damaged Culvert			NA	
Damaged Headgate			NA	
Emergency Spillway				
Erosion			X	
Riprap			X	
Clogged or Damaged Culvert			NA	
Other			X	
MAINTENACE				
Maintenance Required			X	No access due to winter conditions
Maintenance Performed			X	
Additional Comments		X		

Mining Area Date Inspected Impoundment NPDES ID No Owner's Rep	Seneca II West Mine	Facility Configuration Date Last Inspected Pond Location Site Location Inspector	Stockpond	Quarterly Impoundment Inspection Form
	3/11/2019		10/16/2018	
	Stock Tank T-3		NW¼SE¼, Sec 22, T5N, R88W	
	N/A		8 mi S of Hayden, CO	
	Miranda Kawcak		Jason Herden	
Mark or Write in Appropriate Response:				
FEATURE		PROBLEM		COMMENTS
		YES (Above)	NO (Below)	
GENERAL				
Water Level (above or below principal spillway)			X	
EROSION				
Rills & Gullies on Embankment			X	
Wave Erosion			X	
Spillway Erosion			X	
Burrows			X	
Other			X	
STRUCTURAL				
Differential Settling			X	
Cracks or Slides			X	
Seepage			X	
Other			X	
STRUCTURES				
Principal Spillway				
Clogged Orifice			NA	
Clogged or Damaged Culvert			NA	
Damaged Headgate			NA	
Emergency Spillway				
Erosion			X	
Riprap			X	
Clogged or Damaged Culvert			NA	
Other			X	
MAINTENANCE				
Maintenance Required			X	No access due to winter conditions
Maintenance Performed			X	
Additional Comments		X		

Mining Area	Seneca II West Mine	Facility Configuration	Stockpond	Quarterly Impoundment Inspection Form
Date Inspected	3/11/2019	Date Last Inspected	10/16/2018	
Impoundment	Stock Tank T-5	Pond Location	NE¼ Sec 22, T5N, R88W	
NPDES ID No	N/A	Site Location	8 mi S of Hayden, CO	
Owner's Rep	Miranda Kawcak	Inspector	Jason Herden	
Mark or Write in Appropriate Response:				
FEATURE	PROBLEM		COMMENTS	
	YES (Above)	NO (Below)		
GENERAL				
Water Level (above or below principal spillway)		X		
EROSION				
Rills & Gullies on Embankment		X		
Wave Erosion		X		
Spillway Erosion		X		
Burrows		X		
Other		X		
STRUCTURAL				
Differential Settling		X		
Cracks or Slides		X		
Seepage		X		
Other		X		
STRUCTURES				
Principal Spillway				
Clogged Orifice		NA		
Clogged or Damaged Culvert		NA		
Damaged Headgate		NA		
Emergency Spillway				
Erosion		X		
Riprap		X		
Clogged or Damaged Culvert		NA		
Other		X		
MAINTENACE				
Maintenance Required		X	No access due to winter conditions	
Maintenance Performed		X		
Additional Comments	X			

Mining Area Date Inspected Impoundment NPDES ID No Owner's Rep	Seneca II West Mine	Facility Configuration Date Last Inspected Pond Location Site Location Inspector	Stockpond	Quarterly Impoundment Inspection Form
	3/11/2019		10/16/2018	
	Stock Tank T-18		NW¼NE¼, Sec 15, T5N, R88W	
	N/A		8 mi S of Hayden, CO	
	Miranda Kawcak		Jason Herden	
Mark or Write in Appropriate Response:				
FEATURE		PROBLEM		COMMENTS
		YES (Above)	NO (Below)	
GENERAL				
Water Level (above or below principal spillway)			X	
EROSION				
Rills & Gullies on Embankment			X	
Wave Erosion			X	
Spillway Erosion			X	
Burrows			X	
Other			X	
STRUCTURAL				
Differential Settling			X	
Cracks or Slides			X	
Seepage			X	
Other			X	
STRUCTURES				
Principal Spillway				
Clogged Orifice			NA	
Clogged or Damaged Culvert			NA	
Damaged Headgate			NA	
Emergency Spillway				
Erosion			X	
Riprap			X	
Clogged or Damaged Culvert			NA	
Other			X	
MAINTENANCE				
Maintenance Required			X	No access due to winter conditions
Maintenance Performed			X	
Additional Comments		X		

Mining Area Date Inspected Impoundment NPDES ID No Owner's Rep	Seneca II West Mine	Facility Configuration Date Last Inspected Pond Location Site Location Inspector	Stockpond	Quarterly Impoundment Inspection Form
	3/11/2019		10/16/2018	
	Stock Tank T-20		NW¼NE¼, Sec 15, T5N, R88W	
	N/A		8 mi S of Hayden, CO	
	Miranda Kawcak		Jason Herden	
Mark or Write in Appropriate Response:				
FEATURE		PROBLEM		COMMENTS
		YES (Above)	NO (Below)	
GENERAL				
Water Level (above or below principal spillway)			X	
EROSION				
Rills & Gullies on Embankment			X	
Wave Erosion			X	
Spillway Erosion			X	
Burrows			X	
Other			X	
STRUCTURAL				
Differential Settling			X	
Cracks or Slides			X	
Seepage			X	
Other			X	
STRUCTURES				
Principal Spillway				
Clogged Orifice			NA	
Clogged or Damaged Culvert			NA	
Damaged Headgate			NA	
Emergency Spillway				
Erosion			X	
Riprap			X	
Clogged or Damaged Culvert			NA	
Other			X	
MAINTENANCE				
Maintenance Required			X	No access due to winter conditions
Maintenance Performed			X	
Additional Comments		X		

Mining Area	Seneca II West Mine	Facility Configuration	Stockpond	Quarterly Impoundment Inspection Form
Date Inspected	3/11/2019	Date Last Inspected	10/16/2018	
Impoundment	Stock Tank T-22	Pond Location	SE¼SW¼, Sec 10, T5N, R88W	
NPDES ID No	N/A	Site Location	8 mi S of Hayden, CO	
Owner's Rep	Miranda Kawcak	Inspector	Jason Herden	
Mark or Write in Appropriate Response:				
FEATURE	PROBLEM		COMMENTS	
	YES (Above)	NO (Below)		
GENERAL				
Water Level (above or below principal spillway)		X		
EROSION				
Rills & Gullies on Embankment		X		
Wave Erosion		X		
Spillway Erosion		X		
Burrows		X		
Other		X		
STRUCTURAL				
Differential Settling		X		
Cracks or Slides		X		
Seepage		X		
Other		X		
STRUCTURES				
Principal Spillway				
Clogged Orifice		NA		
Clogged or Damaged Culvert		NA		
Damaged Headgate		NA		
Emergency Spillway				
Erosion		X		
Riprap		X		
Clogged or Damaged Culvert		NA		
Other		X		
MAINTENANCE				
Maintenance Required		X	No access due to winter conditions	
Maintenance Performed		X		
Additional Comments	X			

Mining Area Date Inspected Impoundment NPDES ID No Owner's Rep	Seneca II West Mine	Facility Configuration Date Last Inspected Pond Location Site Location Inspector	Stockpond	Quarterly Impoundment Inspection Form
	3/11/2019		10/16/2018	
	Stock Tank T-24		SW¼NE¼, Sec 9, T5N, R88W	
	N/A		8 mi S of Hayden, CO	
	Miranda Kawcak		Jason Herden	
Mark or Write in Appropriate Response:				
FEATURE		PROBLEM		COMMENTS
		YES (Above)	NO (Below)	
GENERAL				
Water Level (above or below principal spillway)			X	Dry
EROSION				
Rills & Gullies on Embankment			X	
Wave Erosion			X	
Spillway Erosion			X	
Burrows			X	
Other			X	
STRUCTURAL				
Differential Settling			X	
Cracks or Slides			X	
Seepage			X	
Other			X	
STRUCTURES				
Principal Spillway				
Clogged Orifice			NA	
Clogged or Damaged Culvert			NA	
Damaged Headgate			NA	
Emergency Spillway				
Erosion			X	
Riprap			X	
Clogged or Damaged Culvert			NA	
Other			X	
MAINTENANCE				
Maintenance Required			X	No access due to winter conditions
Maintenance Performed			X	
Additional Comments		X		

Mining Area	Seneca II West Mine	Facility Configuration	Stockpond	Quarterly Impoundment Inspection Form
Date Inspected	3/11/2019	Date Last Inspected	10/16/2018	
Impoundment	Stock Tank T-25	Pond Location	SW¼NE¼, Sec 34, T5N, R88W	
NPDES ID No	N/A	Site Location	8 mi S of Hayden, CO	
Owner's Rep	Miranda Kawcak	Inspector	Jason Herden	
Mark or Write in Appropriate Response:				
FEATURE	PROBLEM		COMMENTS	
	YES (Above)	NO (Below)		
GENERAL				
Water Level (above or below principal spillway)		N/A		
EROSION				
Rills & Gullies on Embankment		N/A		
Wave Erosion		N/A		
Spillway Erosion		N/A		
Burrows		N/A		
Other		N/A		
STRUCTURAL				
Differential Settling		N/A		
Cracks or Slides		N/A		
Seepage		N/A		
Other		N/A		
STRUCTURES				
Principal Spillway				
Clogged Orifice		N/A		
Clogged or Damaged Culvert		N/A		
Damaged Headgate		N/A		
Emergency Spillway				
Erosion		N/A		
Riprap		N/A		
Clogged or Damaged Culvert		N/A		
Other		N/A		
MAINTENANCE				
Maintenance Required		X	DAM REMOVED FALL 2011, REBUILT IN 2012 AS A RUNOFF CONTROL STRUCTURE (PM1-A3)	
Maintenance Performed		X		
Additional Comments	X			

Mining Area	Seneca II West Mine	Facility Configuration	Stockpond	Quarterly Impoundment Inspection Form
Date Inspected	3/11/2019	Date Last Inspected	10/16/2018	
Impoundment	Stock Tank T-26	Pond Location	NE¼NW¼, Sec 35, T5N, R88W	
NPDES ID No	N/A	Site Location	8 mi S of Hayden, CO	
Owner's Rep	Miranda Kawcak	Inspector	Jason Herden	
Mark or Write in Appropriate Response:				
FEATURE	PROBLEM		COMMENTS	
	YES (Above)	NO (Below)		
GENERAL				
Water Level (above or below principal spillway)		X		
EROSION				
Rills & Gullies on Embankment		X		
Wave Erosion		X		
Spillway Erosion		X		
Burrows		X		
Other		X		
STRUCTURAL				
Differential Settling		X		
Cracks or Slides		X		
Seepage		X		
Other		X		
STRUCTURES				
Principal Spillway				
Clogged Orifice		NA		
Clogged or Damaged Culvert		NA		
Damaged Headgate		NA		
Emergency Spillway				
Erosion		X		
Riprap		X		
Clogged or Damaged Culvert		NA		
Other		X		
MAINTENANCE				
Maintenance Required		X	No access due to winter conditions	
Maintenance Performed		X		
Additional Comments	X			

Mining Area	Seneca II West Mine	Facility Configuration	Stockpond	Quarterly Impoundment Inspection Form
Date Inspected	3/11/2019	Date Last Inspected	10/16/2018	
Impoundment	Stock Tank T-27	Pond Location	NW¼NW¼, Sec 35, T5N, R88W	
NPDES ID No	N/A	Site Location	8 mi S of Hayden, CO	
Owner's Rep	Miranda Kawcak	Inspector	Jason Herden	
Mark or Write in Appropriate Response:				
FEATURE	PROBLEM		COMMENTS	
	YES (Above)	NO (Below)		
GENERAL				
Water Level (above or below principal spillway)		N/A	Water Level 1.6 feet below spillway	
EROSION				
Rills & Gullies on Embankment		N/A		
Wave Erosion		N/A		
Spillway Erosion		N/A		
Burrows		N/A		
Other		N/A		
STRUCTURAL				
Differential Settling		N/A		
Cracks or Slides		N/A		
Seepage		N/A		
Other		N/A		
STRUCTURES				
Principal Spillway				
Clogged Orifice		N/A		
Clogged or Damaged Culvert		N/A		
Damaged Headgate		N/A		
Emergency Spillway				
Erosion		N/A		
Riprap		N/A		
Clogged or Damaged Culvert		N/A		
Other		N/A		
MAINTENACE				
Maintenance Required		X	REBUILT IN 2012 AS A RUNOFF CONTROL STRUCTURE. No access due to winter conditions	
Maintenance Performed		X		
Additional Comments	X			

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	3-11-19	08:30	0.15	30.8	Snow covered	N
003	Sage Creek	Sage Creek	3-11-19	07:45	0.08	1.1	Snow covered	N
004	Sage Creek	Sage Creek	3-11-19	09:00	0.08	39.2	Snow covered	N
Lower Sump	Sage Creek	Sage Creek	3-11-19	08:05	0.2	174	Snow covered	N
PECOCO	Sage Creek	Sage Creek	3-11-19	14:55	0.2	139	Snow covered	N
Portal Sump 1	Sage Creek	Sage Creek	3-11-19	14:15	0.1	1.0	Frozen	N
Portal Sump 2	Sage Creek	Sage Creek	3-11-19	14:30	-	-	Frozen	N
Spill Control 2	Sage Creek	Sage Creek	3-11-19	14:00	-	-	Snow covered	N
Truck Wash	Sage Creek	Sage Creek	3-11-19	08:35	-	-	Dry	N
Upper Sump	Sage Creek	Sage Creek	3-11-19	14:45	0.2	97	Snow covered	N
001	Seneca	Hayden Gulch	3-11-19	13:00	-	-	Snow covered	N
002	Seneca	Hayden Gulch	3-11-19	13:16	-	-	Snow covered	N
005	Seneca	Seneca II West	3-11-19	11:00	-1.3	-	No Flow, snow covered	N
006	Seneca	Seneca II West	3-11-19	09:45	0.1	29.5	snow covered sluff S. side	N
009	Seneca	Seneca II West	3-11-19	11:15	-3.5	-	Snow covered	N
015	Seneca	Seneca II West	3-11-19	11:20	0.01	1.0	Snow covered	N
016	Seneca	Seneca II West	3-11-19	10:15	0.09	20.7	Snow covered	N
017	Seneca	Seneca II West	3-11-19	10:35	0.03	2.1	Snow covered	N
T-1	Seneca	Seneca II West	-	-	-	-		
T-18	Seneca	Seneca II West	-	-	-	-		
T-2	Seneca	Seneca II West	-	-	-	-		
T-20	Seneca	Seneca II West	-	-	-	-		
T-22	Seneca	Seneca II West	-	-	-	-		
T-24	Seneca	Seneca II West	-	-	-	-		
T-25	Seneca	Seneca II West	-	-	-	-		
T-26	Seneca	Seneca II West	-	-	-	-		

008

3-11-19

09:30

0.3

15.8

Snow covered

N

