



Seneca Coal Company

December 14, 2017

Jason Musick
Colorado Division of Reclamation, Mining and Safety
1313 Sherman Street
Denver, CO 80203

RE: Seneca II W Mine, Permit C-82-057, 4Q17 IIR

Dear Jason,

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.

Maintenance is required at Ponds: #016 (flume) and #017 (flume). Please contact me with any comments and/or questions.

Sincerely,

Miranda Blomquist

TNS/*tns*

Enclosure: Seneca II W IIR

Mining Area	Seneca II West Mine	Facility Configuration	Cross-Vally Pond	Quarterly Impoundment Inspection Form
Date Inspected	10/17/2017	Date Last Inspected	7/20/2017	
Impoundment	Pond #005	Pond Location	NW¼ SW¼, Sec. 10, T5N, R88W	
NPDES ID No	CMLRD Permit No. C-82-057	Site Location	8 mi. S of Hayden, CO	
Owner's Rep	Miranda Kawcak	Inspector	Jason Herden	

Mark or Write in Appropriate Response:			COMMENTS
FEATURE	PROBLEM		
	YES (Above)	NO (Below)	
GENERAL			
Water Level (above or below principal spillway)		X	Water level 1.9 feet below spillway
Existing Embankment Freeboard (7.4 ft)	7.4		
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	
MAINTENANCE			
Maintenance Required		X	
Maintenance Performed		X	
Additional Comments		X	

Mining Area	Seneca II West Mine	Facility Configuration	Cross-Vally Pond	Quarterly Impoundment Inspection Form
Date Inspected	10/17/2017	Date Last Inspected	7/20/2017	
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:			COMMENTS
FEATURE	PROBLEM		
	YES (Above)	NO (Below)	
GENERAL			
Water Level (above or below principal spillway)	X		water level 0.15 feet above spillway
Existing Embankment Freeboard (7.5 ft)	7.5		
Outflow (gpm)	X		32.7
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	Big sluff on S. side above pond on hill, currently not affecting pond
Maintenance Performed		X	
Additional Comments	X		

Mining Area	Seneca II Mine	Facility Configuration	Cross-Vally Pond	Quarterly Impoundment Inspection Form
Date Inspected	10/17/2017	Date Last Inspected	7/20/2017	
Impoundment	Pond #008	Pond Location	SEKSWX, Sec. 7, T5N, R86W	
NPDES ID No	CO-0000221 D.P.008	Site Location	7.1 mi SE 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 0.2 above spillway
Existing Embankment Freeboard (4.7 ft)	4.7		
Outflow (gpm)	X		15.5
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	
MAINTENANCE			
Maintenance Required		X	
Maintenance Performed		X	
Additional Comments		X	

NO LONGER REQUIRED DUE TO FINAL BOND RELEASE

Mining Area	Seneca II West Mine	Facility Configuration	Cross-Vally Pond	Quarterly Impoundment Inspection Form
Date Inspected	10/17/2017	Date Last Inspected	7/20/2017	
Impoundment	Pond #009	Pond Location	SEK SWK, Sec. 11, T5N, R88W	
NPDES ID No	CO-0000221 D.P. 009	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 3.4 feet below top of pipe	
Existing Embankment Freeboard (6.9 ft)	8.9			
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		
Maintenance Performed		X		
Additional Comments		X		

Mining Area	Seneca II West Mine	Facility Configuration	Cross-Vally Pond	Quarterly Impoundment Inspection Form
Date Inspected	10/17/2017	Date Last Inspected	7/20/2017	
Impoundment	Pond #015	Pond Location	NEK SEX, Sec. 23, T5N, R88W	
NPDES ID No	CO-0000221 D.P. 015	Site Location	8 mi. S of Hayden, CO	
Owner's Rep	Miranda Kawcak	Inspector	Jason Herden	

Mark or Write in Appropriate Response:			COMMENTS
FEATURE	PROBLEM		
	YES (Above)	NO (Below)	
GENERAL			
Water Level (above or below principal spillway)		X	water level 1.6 feet below top of pipe
Existing Embankment Freeboard (4.0 ft)	4.0		
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	Fixed standpipe
Maintenance Performed		X	
Additional Comments	X		

Mining Area	Seneca II West Mine	Facility Configuration	Cross-Vally Pond	Quarterly Impoundment Inspection Form
Date Inspected	10/17/2017	Date Last Inspected	7/20/2017	
Impoundment	Pond #016	Pond Location	NEK SEK, Sec. 27, T3N, R88W	
NPDES ID No	CO-0000221 D.P. 016	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 (6.8 ft)	6.8			
Outflow (gpm)	X		21.6	
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		Small leak under flume	
Maintenance Performed		X		
Additional Comments	X			

Mining Area	Seneca II West Mine	Facility Configuration	Cross-Vally Pond	Quarterly Impoundment Inspection Form
Date Inspected	10/17/2017	Date Last Inspected	7/20/2017	
Impoundment	Pond #017	Pond Location	SWX NEX, 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:			COMMENTS
FEATURE	PROBLEM		
	YES (Above)	NO (Below)	
GENERAL			
Water Level (above or below principal spillway)	X		water level 0.06 feet above spillway
Existing Embankment Freeboard (3.1 ft)	3.1		
Outflow (gpm)	X		8
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		Sluff on North side, armour is working, small leak under flume
Maintenance Performed		X	
Additional Comments	X		

Mining Area	Seneca II West Mine	Facility Configuration	Stockpond	Quarterly Impoundment Inspection Form
Date Inspected	10/17/2017	Date Last Inspected	7/20/2017	
Impoundment	Stock Tank T-1	Pond Location	SEKSWX, Sec 16, 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:			COMMENTS
FEATURE	PROBLEM		
	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	
Maintenance Performed		X	
Additional Comments		X	

Mining Area	Seneca II West Mine	Facility Configuration	Stockpond	Quarterly Impoundment Inspection Form
Date Inspected	10/17/2017	Date Last Inspected	7/20/2017	
Impoundment	Stock Tank T-2	Pond Location	NW1/4SW1/4, 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	Water level is 2.3 feet below spillway	
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		
Maintenance Performed		X		
Additional Comments		X		

Mining Area	Seneca II West Mine	Facility Configuration	Stockpond	Quarterly Impoundment Inspection Form
Date Inspected	10/17/2017	Date Last Inspected	7/20/2017	
Impoundment	Stock Tank T-3	Pond Location	NWXSEK, 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:			COMMENTS
FEATURE	PROBLEM		
	YES (Above)	NO (Below)	
GENERAL			
Water Level (above or below principal spillway)		X	Water level is 1.2 feet below spillway
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	
Maintenance Performed		X	
Additional Comments		X	

Mining Area	Seneca II West Mine	Facility Configuration	Stockpond	Quarterly Impoundment Inspection Form
Date Inspected	10/17/2017	Date Last Inspected	7/20/2017	
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	Water level is 2.0 feet below spillway	
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		
Maintenance Performed		X		
Additional Comments		X		

Mining Area	Seneca II West Mine	Facility Configuration	Stockpond	Quarterly Impoundment Inspection Form
Date Inspected	10/17/2017	Date Last Inspected	7/20/2017	
Impoundment	Stock Tank T-18	Pond Location	NW¼NE¼, Sec 15, 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	Water level is 1.6 feet below spillway
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	
Maintenance Performed		X	
Additional Comments		X	

Mining Area	Seneca II West Mine	Facility Configuration	Stockpond	Quarterly Impoundment Inspection Form
Date Inspected	10/17/2017	Date Last Inspected	7/20/2017	
Impoundment	Stock Tank T-20	Pond Location	NW¼NE¼, Sec 15, 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:			COMMENTS
FEATURE	PROBLEM		
	YES (Above)	NO (Below)	
GENERAL			
Water Level (above or below principal spillway)		X	Water level is 2.6 feet below spillway
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	
Maintenance Performed		X	
Additional Comments		X	

Mining Area	Seneca II West Mine	Facility Configuration	Stockpond	Quarterly Impoundment Inspection Form
Date Inspected	10/17/2017	Date Last Inspected	7/20/2017	
Impoundment	Stock Tank T-22	Pond Location	SEKSWK, 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	Water level is 0.9 feet below spillway
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	
Maintenance Performed		X	
Additional Comments		X	

Mining Area	Seneca II West Mine	Facility Configuration	Stockpond	Quarterly Impoundment Inspection Form
Date Inspected	10/17/2017	Date Last Inspected	7/20/2017	
Impoundment	Stock Tank T-24	Pond Location	SWXNEX, Sec 9, 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	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		
Maintenance Performed		X		
Additional Comments		X		

Mining Area	Seneca II West Mine	Facility Configuration	Stockpond	Quarterly Impoundment Inspection Form
Date Inspected	10/17/2017	Date Last Inspected	7/20/2017	
Impoundment	Stock Tank T-25	Pond Location	SWXNEX, 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	Dry	
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 STURCURE (PM1-A3)	
Maintenance Performed		X		
Additional Comments	X			

Mining Area	Seneca II West Mine	Facility Configuration	Stockpond	Quarterly Impoundment Inspection Form
Date Inspected	10/17/2017	Date Last Inspected	7/20/2017	
Impoundment	Stock Tank T-26	Pond Location	NEXNW¼, 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	Water level is 2.0 feet below spillway	
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		
Maintenance Performed		X		
Additional Comments		X		

Mining Area	Seneca II West Mine	Facility Configuration	Stockpond	Quarterly Impoundment Inspection Form
Date Inspected	10/17/2017	Date Last Inspected	7/20/2017	
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 1.2 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		
MAINTENANCE				
Maintenance Required		X	REBUILT IN 2012 AS A RUNOFF CONTROL STURCURE	
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): 2016-037 T1-SCC, T2-PSCM		

FLOW DATA

SITE ID	COMPANY	MINE	DATE	TIME	WATER LEVEL (FT)	OUTFLOW (GPM)	OBSERVATIONS	MAINTENANCE (Y/N)
002	Sage Creek	Sage Creek	10-17-17	15:10	0.09	127.9		N
003	Sage Creek	Sage Creek	10-17-17	14:45	0.08	7.2	animal burrows in dam	N
004	Sage Creek	Sage Creek	10-17-17	15:35	0.26	30.1		N
Lower Sump	Sage Creek	Sage Creek	10-18-17	09:35	0.05	18		N
PECOCO	Sage Creek	Sage Creek	10-18-17	10:15	0.07	51		N
Portal Sump 1	Sage Creek	Sage Creek	10-18-17	09:45	0.03	1		N
Portal Sump 2	Sage Creek	Sage Creek	10-18-17	09:55	—	—	not pumping	N
Spill Control 2	Sage Creek	Sage Creek	10-18-17	09:25	—	—	Dry	N
Truck Wash	Sage Creek	Sage Creek	10-18-17	09:15	—	—	Dry	N
Upper Sump	Sage Creek	Sage Creek	10-18-17	10:25	0.03	44		N
001	Seneca	Hayden Gulch	10-18-17	08:00	-3.3	—	NO Flow	N
002	Seneca	Hayden Gulch	10-18-17	08:10	—	—	Dry	N
005	Seneca	Seneca II West	10-17-17	11:05	-1.9	—	NO Flow spring @ dam foot	N
006	Seneca	Seneca II West	10-17-17	08:55	0.15	32.7	big stuff on S. side, no impact	N
009	Seneca	Seneca II West	10-17-17	11:35	-3.4	—	NO Flow completely dry	N
015	Seneca	Seneca II West	10-17-17	12:00	-1.6	—	NO Flow Fixed Standpipe	N
016	Seneca	Seneca II West	10-17-17	09:15	0.10	21.6	small leak under flume	Y
017	Seneca	Seneca II West	10-17-17	09:40	0.06	8.0	water leaking under flume	Y
T-1	Seneca	Seneca II West	10-17-17	09:05	—	—	Dry	N
T-18	Seneca	Seneca II West	10-17-17	10:50	-1.6	—	NO Flow	N
T-2	Seneca	Seneca II West	10-17-17	10:45	-2.3	—	NO Flow	N
T-20	Seneca	Seneca II West	10-17-17	10:55	-2.6	—	NO Flow	N
T-22	Seneca	Seneca II West	10-17-17	11:00	-0.9	—	NO Flow	N
T-24	Seneca	Seneca II West	10-17-17	11:15	—	—	Dry	N
T-25	Seneca	Seneca II West	10-17-17	09:50	—	—	gone	N
T-26	Seneca	Seneca II West	10-17-17	10:20	-2.0	—	NO Flow	N

008

10-17-17 16:20 0.2 15.5 outlet pipe slight geyser N

