



Seneca Coal Company

January 2, 2020

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

RE: Seneca II W Mine, Permit C-82-057, 4Q19 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 #009, Pond #015, Pond #016, Pond #017

and Stock Tanks:

- 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.

Please contact me with any comments and/or questions.

Sincerely,

Miranda Kawcak
Environmental Manager

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
	10/23/2019		9/19/2019	
	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 2 feet below spillway
Existing Embankment Freeboard (7.4 ft)		8.4		
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	Spring below dam, no impact on pond, will continue to monitor
Maintenance Performed			X	
Additional Comments		X		

Mining Area	Seneca II West Mine	Facility Configuration	Cross-Vally Pond	Quarterly Impoundment Inspection Form
Date Inspected	10/23/2019	Date Last Inspected	9/19/2019	
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 0.15 feet above spillway	
Existing Embankment Freeboard (7.5 ft)	7.5			
Outflow (gpm)	X		74.3gpm	
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.	
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
	10/23/2019		9/19/2019	
	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)		10.4		
Outflow (gpm)			X	0
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	
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
	10/23/2019		9/19/2019	
	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 0.05 feet above spillway
Existing Embankment Freeboard (4.0 ft)		4.0		
Outflow (gpm)		X		5.7
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	
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
	10/23/2019		9/19/2019	
	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 0.1 feet above spillway 84.4
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	
Maintenance Performed			X	
Additional Comments			X	

Mining Area	Seneca II West Mine	Facility Configuration	Cross-Vally Pond	Quarterly Impoundment Inspection Form
Date Inspected	10/24/2019	Date Last Inspected	9/19/2019	
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 0.1 feet above spillway	
Existing Embankment Freeboard (3.1 ft)	3.1			
Outflow (gpm)	X		3.7	
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		
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
	10/23/2019		9/19/2019	
	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	
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
	10/23/2019		9/19/2019	
	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	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	
Maintenance Performed			X	
Additional Comments			X	

Mining Area	Seneca II West Mine	Facility Configuration	Stockpond	Quarterly Impoundment Inspection Form
Date Inspected	10/23/2019	Date Last Inspected	9/19/2019	
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 1.8 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		
MAINTENACE				
Maintenance Required		X		
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
	10/23/2019		9/19/2019	
	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	Water level 1.5 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 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
	10/23/2019		9/19/2019	
	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	Water level 3.0 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 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
	10/23/2019		9/19/2019	
	Stock Tank T-22		SE¼SW¼, Sec 10, 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	
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
	10/23/2019		9/19/2019	
	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	
MAINTENACE				
Maintenance Required			X	
Maintenance Performed			X	
Additional Comments			X	

Mining Area	Seneca II West Mine	Facility Configuration	Stockpond	Quarterly Impoundment Inspection Form
Date Inspected	10/23/2019	Date Last Inspected	9/19/2019	
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	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 STRUCTURE (PM1-A3)	
Maintenance Performed		X		
Additional Comments	X			

Mining Area	Seneca II West Mine	Facility Configuration	Stockpond	Quarterly Impoundment Inspection Form
Date Inspected	10/23/2019	Date Last Inspected	9/19/2019	
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	Water level 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 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
	10/23/2019		9/19/2019	
	Stock Tank T-27		NW¼NW¼, Sec 35, 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)			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	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	10-23-19	08:50	0.10	33.7	Seeping under flume	N
003	Sage Creek	Sage Creek	10-23-19	08:30	.03	7.7	culvert flume broken	Y
004	Sage Creek	Sage Creek	10-23-19	09:40	0.15	40.3		N
Lower Sump	Sage Creek	Sage Creek	10-24-19	10:00	.05	37		N
PECOCO	Sage Creek	Sage Creek	10-24-19	10:33	.06	58		N
Portal Sump 1	Sage Creek	Sage Creek	10-24-19	10:10	.02	2		N
Portal Sump 2	Sage Creek	Sage Creek	10-24-19	10:20	—	—	NOT pumping	N
Spill Control 2	Sage Creek	Sage Creek	10-24-19	09:45	—	—	Dry	N
Truck Wash	Sage Creek	Sage Creek	10-24-19	09:30	—	—	Dry	N
Upper Sump	Sage Creek	Sage Creek	10-24-19	10:45	.05	50		N
001	Seneca	Hayden Gulch	10-24-19	07:25	-3.5	—	no Flow	N
002	Seneca	Hayden Gulch	10-24-19	07:40	—	—	Dry	N
005	Seneca	Seneca II West	10-23-19	16:10	-2.0	—	spring @ dam no impact	N
006	Seneca	Seneca II West	10-23-19	14:15	0.15	74.3	stuff on S. side, no impact	N
009	Seneca	Seneca II West	10-23-19	11:30	-3.5	—	NO Flow	N
015	Seneca	Seneca II West	10-23-19	12:10	0.05	8.7		N
016	Seneca	Seneca II West	10-23-19	15:30	0.10	84.4	snow covered	N
017	Seneca	Seneca II West	10-24-19	10:15	0.10	3.7	armor working, snow covering	N
T-1	Seneca	Seneca II West	10-23-19	16:30	—	—	Dry	N
T-18	Seneca	Seneca II West	10-23-19	17:15	-1.5	—	NO Flow	N
T-2	Seneca	Seneca II West	10-23-19	16:45	—	—	Dry	N
T-20	Seneca	Seneca II West	10-23-19	17:20	-3.0	—	NO Flow	N
T-22	Seneca	Seneca II West	10-23-19	17:25	-1.1	—	NO Flow	N
T-24	Seneca	Seneca II West	10-23-19	17:40	—	—	Dry	N
T-25	Seneca	Seneca II West	10-23-19	18:00	—	—	Gone	N
T-26	Seneca	Seneca II West	10-23-19	17:25	-2.0	—	NO Flow	N

008

10-23-19 10:00 .10

outlet pipe broken/leaking
down hill

Y

 WWC ENGINEERING

IMPOUNDMENT INSPECTION LOG

SITE ID	COMPANY	MINE	DATE	TIME	WATER LEVEL (FT)	OUTFLOW (GPM)	OBSERVATIONS	MAINTENANCE (Y/N)
T-27	Seneca	Seneca II West	10-23-19	17:10	-1.7	—	no flow	
T-3	Seneca	Seneca II West	10-23-19	16:50	—	—	Dry	
T-5	Seneca	Seneca II West	10-23-19	17:10	-1.8	—	NO Flow	
010	Seneca	Yoast	10-23-19	10:55	1.05	7.7	outlet pipe rusted through	Y
011	Seneca	Yoast	10-24-19	08:40	-5.0	—	no flow	N
011A	Seneca	Yoast	10-23-19	11:15	-2.3	—	no flow	N
012	Seneca	Yoast	10-23-19	13:00	.1	77.3	cat tails in pond	N
012A	Seneca	Yoast	10-23-19	13:15	-2.5	—	no flow	N
013	Seneca	Yoast	10-23-19	13:25	-1.5	—	no flow	N
014	Seneca	Yoast	10-23-19	13:55	-1.5	—	no flow	N
ST-1	Seneca	Yoast	10-23-19	14:10	-3.8	—	no flow	N

NOTES