

OPERATOR: EMPIRE CORPORATION

MINE: EMPIRE NOS. 5 & 6 MINES

DATE OF INSPECTION: 3/19/2020

POND INSPECTION

	1	2	3	4
Spoil Springs				
<input checked="" type="checkbox"/>				

CDFS OUTFALL #

022 Site 1SP

OPERATIONAL STATUS AT TIME OF INSPECTION

Approximate water level:

Flowing 2" @ Wier

Sediment level (% total storage):

< 10%

Outflow (cfs):

0.025 cfs

FEATURES	PROBLEM		COMMENTS
	YES	NO	
EROSIONAL			
Rills & Gullies on Embankment		<input checked="" type="checkbox"/>	
Inadequate Vegetation		<input checked="" type="checkbox"/>	
Outlet Channel Erosion		<input checked="" type="checkbox"/>	
Burrows		<input checked="" type="checkbox"/>	
Other		<input checked="" type="checkbox"/>	
STRUCTURAL			
Differential Setting		<input checked="" type="checkbox"/>	
Cracks or slides		<input checked="" type="checkbox"/>	
Seepage		<input checked="" type="checkbox"/>	
Other		<input checked="" type="checkbox"/>	
APPURTENANT STRUCTURES			
Defective Spillways		<input checked="" type="checkbox"/>	
Dewatering Device Clogged		<input checked="" type="checkbox"/>	
Faulty Gates, Baffles, Pump	<input checked="" type="checkbox"/>		
Other			
ADDITIONAL COMMENTS:			
MAINTENANCE REQUIRED: <u>New Wier ordered</u>			

NAME OF INSPECTOR: M. Kawcak

OPERATOR: EMPIRE CORPORATION

MINE: EMPIRE NOS. 5 & 6 MINES

DATE OF INSPECTION: 3/19/2020

POND INSPECTION

1	2	3	4
5-P1	5-P2	5-P3	
SED. POND ✓	SED. TRAP ✓	SED. TRAP ✓	

CDFS OUTFALL #

007

OPERATIONAL STATUS AT TIME OF INSPECTION

Approximate water level:

snow accumulation in ponds

Sediment level (% total storage):

4

Outflow (cfs):

NO Flow

FEATURES	PROBLEM		COMMENTS
	YES	NO	
EROSIONAL			
Rills & Gullies on Embankment		✓	
Inadequate Vegetation		✓	
Outlet Channel Erosion		✓	
Burrows		✓	
Other		✓	
STRUCTURAL			
Differential Setting		✓	
Cracks or slides		✓	
Seepage		✓	
Other		✓	
APPURTENANT STRUCTURES			
Defective Spillways		✓	
Dewatering Device Clogged		✓	
Faulty Gates, Baffles, Pump		✓	
Other			
ADDITIONAL COMMENTS:			
MAINTENANCE REQUIRED: <u>None</u>			

NAME OF INSPECTOR: M. Kawcak

OPERATOR: EMPIRE CORPORATION

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POND INSPECTION

1	2	3	4
5-P5	5-P6	5-P7	
SED. POND	SED. POND	SED. POND	
003	003	003	

CDFS OUTFALL #

OPERATIONAL STATUS AT TIME OF INSPECTION

Approximate water level:

Sediment level (% total storage):

Outflow (cfs):

Ponds Reclaimed

FEATURES	PROBLEM		COMMENTS
	YES	NO	
EROSIONAL Rills & Gullies on Embankment Inadequate Vegetation Outlet Channel Erosion Burrows Other		NA	
STRUCTURAL Differential Setting Cracks or slides Seepage Other			
APPURTENANT STRUCTURES Defective Spillways Dewatering Device Clogged Faulty Gates, Baffles, Pump Other			
ADDITIONAL COMMENTS: <u>Ponds Reclaimed fall 2018</u>			
MAINTENANCE REQUIRED:			

NAME OF INSPECTOR: _____

OPERATOR: EMPIRE CORPORATION

MINE: EMPIRE NOS. 5 & 6 MINES

DATE OF INSPECTION: 3/19/2020

POND INSPECTION

1	2	3	4
9A-P1	9A-P2	9A-P3	9A-P4
SED. POND	SED. POND	SED. POND	SED. POND
018	019	020	021

CDFS OUTFALL #

OPERATIONAL STATUS AT TIME OF INSPECTION

Approximate water level:

Sediment level (% total storage):

Outflow (cfs):

Snow Covered, not accessible

FEATURES	PROBLEM		COMMENTS
	YES	NO	
EROSIONAL Rills & Gullies on Embankment Inadequate Vegetation Outlet Channel Erosion Burrows Other			
STRUCTURAL Differential Setting Cracks or slides Seepage Other			
APPURTENANT STRUCTURES Defective Spillways Dewatering Device Clogged Faulty Gates, Baffles, Pump Other			
ADDITIONAL COMMENTS: <u>Snow covered, will revisit in April.</u>			
MAINTENANCE REQUIRED:			

NAME OF INSPECTOR: M. Kaweak

OPERATOR: EMPIRE CORPORATION

MINE: EMPIRE NOS. 5 & 6 MINES

DATE OF INSPECTION: 3/19/2020

POND INSPECTION

1	2	3	4
9-P1	9-P2	9-P3	9-P4
SED. POND ✓	SED. POND ✓	SED. POND ✓	SED. POND ✓
		024	014

CDFS OUTFALL #

OPERATIONAL STATUS AT TIME OF INSPECTION

Approximate water level:

Snow Accumulations in ponds

Sediment level (% total storage):

Outflow (cfs):

0 cfs

FEATURES	PROBLEM		COMMENTS
	YES	NO	
EROSIONAL			
Rills & Gullies on Embankment		✓	
Inadequate Vegetation		✓	
Outlet Channel Erosion		✓	
Burrows		✓	
Other		✓	
STRUCTURAL			
Differential Setting		✓	
Cracks or slides		✓	
Seepage		✓	
Other		✓	
APPURTENANT STRUCTURES			
Defective Spillways		✓	
Dewatering Device Clogged		✓	
Faulty Gates, Baffles, Pump		✓	
Other			
ADDITIONAL COMMENTS:			
MAINTENANCE REQUIRED: <u>None</u>			

NAME OF INSPECTOR: M. Kawcak

OPERATOR: EMPIRE CORPORATION

MINE: EMPIRE NOS. 5 & 6 MINES

DATE OF INSPECTION: 3/19/2020

POND INSPECTION

1	2	3	4
9-P5	9-P6	9-P7	9-P8
SED. POND	SED. POND	SED. POND	SED. POND
✓	✓	✓	✓
017	015	013	016

CDFS OUTFALL #

OPERATIONAL STATUS AT TIME OF INSPECTION

Approximate water level:

Sediment level (% total storage):

Outflow (cfs):

Snow Accumulations in ponds
<5%
0 cfs

FEATURES	PROBLEM		COMMENTS
	YES	NO	
EROSIONAL			
Rills & Gullies on Embankment		✓	
Inadequate Vegetation		✓	
Outlet Channel Erosion		✓	
Burrows		✓	
Other		✓	
STRUCTURAL			
Differential Setting		✓	
Cracks or slides		✓	
Seepage		✓	
Other		✓	
APPURTENANT STRUCTURES			
Defective Spillways		✓	
Dewatering Device Clogged		✓	
Faulty Gates, Baffles, Pump		✓	
Other		✓	
ADDITIONAL COMMENTS:			
MAINTENANCE REQUIRED: <u>None</u>			

NAME OF INSPECTOR: M. Kawcak

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POND INSPECTION

1	2	3	4
HR-P1A	HR-P1B		
SED. POND ✓	SED. POND ✓		

CDFS OUTFALL #

004

OPERATIONAL STATUS AT TIME OF INSPECTION

Approximate water level:

Small pool of water in ponds

Sediment level (% total storage):

25%

Outflow (cfs):

0 cfs

FEATURES	PROBLEM		COMMENTS
	YES	NO	
EROSIONAL			
Rills & Gullies on Embankment		✓	
Inadequate Vegetation		✓	
Outlet Channel Erosion		✓	
Burrows		✓	
Other		✓	
STRUCTURAL			
Differential Setting		✓	
Cracks or slides		✓	
Seepage		✓	
Other		✓	
APPURTENANT STRUCTURES			
Defective Spillways		✓	
Dewatering Device Clogged		✓	
Faulty Gates, Baffles, Pump		✓	
Other		✓	
ADDITIONAL COMMENTS:			
MAINTENANCE REQUIRED: <u>None</u>			

NAME OF INSPECTOR: M. Kawcak

OPERATOR: EMPIRE CORPORATION

MINE: EMPIRE NOS. 5 & 6 MINES

DATE OF INSPECTION: 3/19/2020

POND INSPECTION

1	2	3	4
SH-P1	SH-P2		
SED. POND	SED. POND		

CDFS OUTFALL #

011

012

OPERATIONAL STATUS AT TIME OF INSPECTION

Approximate water level:

Sediment level (% total storage):

Outflow (cfs):

Ponds not accessible due to snow

FEATURES	PROBLEM		COMMENTS
	YES	NO	
EROSIONAL Rills & Gullies on Embankment Inadequate Vegetation Outlet Channel Erosion Burrows Other			
STRUCTURAL Differential Setting Cracks or slides Seepage Other			
APPURTENANT STRUCTURES Defective Spillways Dewatering Device Clogged Faulty Gates, Baffles, Pump Other			
ADDITIONAL COMMENTS: <u>Revisit in April</u>			
MAINTENANCE REQUIRED:			

NAME OF INSPECTOR: M. Kawcak

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MINE: EMPIRE NOS. 5 & 6 MINES

DATE OF INSPECTION: 3/19/2020

POND INSPECTION

	1	2	3	4
5A-P1				
SED. POND				

CDFS OUTFALL #

009

OPERATIONAL STATUS AT TIME OF INSPECTION

Approximate water level:

Pond Not accessible due to snow.

Sediment level (% total storage):

Outflow (cfs):

FEATURES	PROBLEM		COMMENTS
	YES	NO	
EROSIONAL			
Rills & Gullies on Embankment			
Inadequate Vegetation			
Outlet Channel Erosion			
Burrows			
Other			
STRUCTURAL			
Differential Setting			
Cracks or slides			
Seepage			
Other			
APPURTENANT STRUCTURES			
Defective Spillways			
Dewatering Device Clogged			
Faulty Gates, Baffles, Pump			
Other			
ADDITIONAL COMMENTS: Site was not plowed during winter, Snow covered roads will revisit in April			
MAINTENANCE REQUIRED:			

NAME OF INSPECTOR: M. Kauxak

OPERATOR: EMPIRE CORPORATION

MINE: EMPIRE NOS. 5 & 6 MINES

DATE OF INSPECTION: 3/20/2020

POND INSPECTION

	1	2	3	4
WASTEWATER				
TREATMENT				

CDFS OUTFALL #

023

OPERATIONAL STATUS AT TIME OF INSPECTION

Approximate water level:

Reclaimed spring 2019

Sediment level (% total storage):

Outflow (cfs):

FEATURES	PROBLEM		COMMENTS
	YES	NO	
EROSIONAL			
Rills & Gullies on Embankment			
Inadequate Vegetation			
Outlet Channel Erosion			
Burrows			
Other			
STRUCTURAL			
Differential Setting			
Cracks or slides			
Seepage			
Other			
APPURTENANT STRUCTURES			
Defective Spillways			
Dewatering Device Clogged			
Faulty Gates, Baffles, Pump			
Other			
ADDITIONAL COMMENTS: <u>Reclaimed</u>			
MAINTENANCE REQUIRED:			

NAME OF INSPECTOR: M. Kawcak