

OPERATOR: EMPIRE CORPORATION

MINE: EMPIRE NOS. 5 & 6 MINES

DATE OF INSPECTION: 3/28/18

POND INSPECTION

1	2	3	4
Spoil Springs			
✓			

CDFS OUTFALL # 022 Site 1SP

**OPERATIONAL STATUS AT TIME OF INSPECTION**

Approximate water level: 2" below weir  
Sediment level (% total storage): ~50%  
Outflow (cfs): 0 cfs

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

NAME OF INSPECTOR: M. Kawak

OPERATOR: EMPIRE CORPORATION

MINE: EMPIRE NOS. 5 & 6 MINES

DATE OF INSPECTION: 3/28/18

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:

No water standing

Sediment level (% total storage):

NA

Outflow (cfs):

0 cfs

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

NAME OF INSPECTOR: M. Kawrak

OPERATOR: EMPIRE CORPORATION

MINE: EMPIRE NOS. 5 & 6 MINES

DATE OF INSPECTION: 3/28/18

POND INSPECTION

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

CDFS OUTFALL #

003 003 003

**OPERATIONAL STATUS AT TIME OF INSPECTION**

Approximate water level:

No standing water

Sediment level (% total storage):

NA

Outflow (cfs):

0 cfs

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

NAME OF INSPECTOR: M. Kawrak

OPERATOR: EMPIRE CORPORATION

MINE: EMPIRE NOS. 5 & 6 MINES

DATE OF INSPECTION: 3/28/18

**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):

Small puddle in 9A-P4; Rest Dry  
VA  
Dcks

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

NAME OF INSPECTOR: M. Kawcak

OPERATOR: EMPIRE CORPORATION

MINE: EMPIRE NOS. 5 & 6 MINES

DATE OF INSPECTION: 3/28/18

POND INSPECTION

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

CDFS OUTFALL #

024

014

**OPERATIONAL STATUS AT TIME OF INSPECTION**

Approximate water level:

ALL Dry

Sediment level (% total storage):

Outflow (cfs):

0 cfs

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

NAME OF INSPECTOR: M. Kawrak

OPERATOR: EMPIRE CORPORATION

MINE: EMPIRE NOS. 5 & 6 MINES

DATE OF INSPECTION: 3/28/18

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: All Dry  
Sediment level (% total storage): 0 cfs  
Outflow (cfs): 0 cfs

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

NAME OF INSPECTOR: M. Kawcak

OPERATOR: EMPIRE CORPORATION

MINE: EMPIRE NOS. 5 & 6 MINES

DATE OF INSPECTION: 3/28/18

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:

Sediment level (% total storage):

Outflow (cfs):

small amounts of water  
25%  
0 cfs

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

NAME OF INSPECTOR: M. Kawrak

OPERATOR: EMPIRE CORPORATION

MINE: EMPIRE NOS. 5 & 6 MINES

DATE OF INSPECTION: 3/28/18

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):

All Dry  
45%  
0 cfs

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

NAME OF INSPECTOR: M. Kawrak





OPERATOR: EMPIRE CORPORATION

MINE: EMPIRE NOS. 5 & 6 MINES

DATE OF INSPECTION: 6/28/18

POND INSPECTION

	1	2	3	4
WASTEWATER	<input checked="" type="checkbox"/>			
TREATMENT				

CDFS OUTFALL #

023

**OPERATIONAL STATUS AT TIME OF INSPECTION**

Approximate water level:

DRY

Sediment level (% total storage):

Outflow (cfs):

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

NAME OF INSPECTOR: Mikawcak