


OPERATOR: EMPIRE CORPORATION

MINE: EMPIRE NOS. 5 & 6 MINES

DATE OF INSPECTION: 6/13/2018

POND INSPECTION

1	2	3	4
Spoil Springs			
			

CDFS OUTFALL #

022 Site 1SP

OPERATIONAL STATUS AT TIME OF INSPECTION

Approximate water level:











4" below weir

Sediment level (% total storage):

<5%

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: <u>Site flow during April + May.</u>			
MAINTENANCE REQUIRED: <u>None</u>			

NAME OF INSPECTOR: M. Kawrak

OPERATOR: EMPIRE CORPORATION

MINE: EMPIRE NOS. 5 & 6 MINES

DATE OF INSPECTION: 6/13/18

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:

All Dry

Sediment level (% total storage):

< 5%

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. Kawrak

OPERATOR: EMPIRE CORPORATION

MINE: EMPIRE NOS. 5 & 6 MINES

DATE OF INSPECTION: 6/13/18

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:

High Day

Sediment level (% total storage):

<5%

Outflow (cfs):

0 cfs

FEATURES	PROBLEM		COMMENTS
	YES	NO	
EROSIONAL			
Rills & Gullies on Embankment		✓	
Inadequate Vegetation		✓	
Outlet Channel Erosion		✓	
Burrows		✓	
Other			
STRUCTURAL			
Differential Settling		✓	
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: 6/13/18

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:

ALL DRY

Sediment level (% total storage):

< 5%

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. Kawrak

OPERATOR: EMPIRE CORPORATION

MINE: EMPIRE NOS. 5 & 6 MINES

DATE OF INSPECTION: 6/13/18

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:

17M DRY

Sediment level (% total storage):

50%

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: None

NAME OF INSPECTOR: M. Kawcak

OPERATOR: EMPIRE CORPORATION

MINE: EMPIRE NOS. 5 & 6 MINES

DATE OF INSPECTION: 6/13/18

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:

Sediment level (% total storage):

Outflow (cfs):

ALL DRY
45%
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. Kawrak

OPERATOR: EMPIRE CORPORATION

MINE: EMPIRE NOS. 5 & 6 MINES

DATE OF INSPECTION: 6/13/18

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:

Both DRY

Sediment level (% total storage):

< 5%

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. Kawrak

OPERATOR: EMPIRE CORPORATION

MINE: EMPIRE NOS. 5 & 6 MINES

DATE OF INSPECTION: 6/13/18

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:

Both Dry

Sediment level (% total storage):

< 5%

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. Kawrak

OPERATOR: EMPIRE CORPORATION

MINE: EMPIRE NOS. 5 & 6 MINES

DATE OF INSPECTION: 6/13/18

POND INSPECTION

	1	2	3	4
5A-P1	<input checked="" type="checkbox"/>			
SED. POND				

CDFS OUTFALL #

009

OPERATIONAL STATUS AT TIME OF INSPECTION

Approximate water level:

DRY

Sediment level (% total storage):

<5%

Outflow (cfs):

0 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			
STRUCTURAL			
Differential Setting		<input checked="" type="checkbox"/>	
Cracks or slides		<input checked="" type="checkbox"/>	
Seepage		<input checked="" type="checkbox"/>	
Other			
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>None</u>			

NAME OF INSPECTOR: M. Kawcak

OPERATOR: EMPIRE CORPORATION

MINE: EMPIRE NOS. 5 & 6 MINES

DATE OF INSPECTION: 6/13/18

POND INSPECTION

	1	2	3	4
WASTEWATER				
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	
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>In process of being Reclaimed</u>			
MAINTENANCE REQUIRED:			

NAME OF INSPECTOR: M. Kaurak