

OPERATOR: EMPIRE CORPORATION

MINE: EMPIRE NOS. 5 & 6 MINES

DATE OF INSPECTION: 5/10/2020

POND INSPECTION

1	2	3	4
SH-P1	SH-P2		
SED. POND ✓	SED. POND ✓		
011	012		

CDFS OUTFALL #

OPERATIONAL STATUS AT TIME OF INSPECTION

Approximate water level:

Sediment level (% total storage):

Outflow (cfs):

Both Dry
<5%
0

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. Kawcah

OPERATOR: EMPIRE CORPORATION

MINE: EMPIRE NOS. 5 & 6 MINES

DATE OF INSPECTION: 5/10/20

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 pools of water

Sediment level (% total storage):

<5%

Outflow (cfs):

0

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: 05/10/20

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):

<5%

Outflow (cfs):

0

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>Minor Animal burrows</u>			
MAINTENANCE REQUIRED: <u>None</u>			

NAME OF INSPECTOR: M. Kawcak

OPERATOR: EMPIRE CORPORATION

MINE: EMPIRE NOS. 5 & 6 MINES

DATE OF INSPECTION: 5/10/20

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):

25%

Outflow (cfs):

0

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>Minor Animal burrows</u>			
MAINTENANCE REQUIRED: <u>None</u>			

NAME OF INSPECTOR: M. Kawale

OPERATOR: EMPIRE CORPORATION

MINE: EMPIRE NOS. 5 & 6 MINES

DATE OF INSPECTION: 5/10/20

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:

2" @ Weir

Sediment level (% total storage):

<5%

Outflow (cfs):

~ 0.02 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 Settling		<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>Weir rusted, needs repair</u>			

NAME OF INSPECTOR: M. Kawcak

OPERATOR: EMPIRE CORPORATION

MINE: EMPIRE NOS. 5 & 6 MINES

DATE OF INSPECTION: 5/10/20

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

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: Miranda Kawachi

OPERATOR: EMPIRE CORPORATION

MINE: EMPIRE NOS. 5 & 6 MINES

DATE OF INSPECTION: 5/10/20

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):

All Dry except 9A-P1
< 5%
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: Muande Kawach

OPERATOR: EMPIRE CORPORATION

MINE: EMPIRE NOS. 5 & 6 MINES

DATE OF INSPECTION: 5/10/20

POND INSPECTION

	1	2	3	4
5A-P1				
SED. POND ✓				

CDFS OUTFALL #

009

OPERATIONAL STATUS AT TIME OF INSPECTION

Approximate water level:

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: <u>None</u>			

NAME OF INSPECTOR: M. Kawrak

