0003

Document Information Form

Mine Number: C/015/015

File Name: Incoming

To: DOGM

From:

Person N/A

Company N/A

Date Sent: December 14, 1998

Explanation:

Annual Impoundment Certification

cc:

File in:
C/ 015 , 015 , Incoming
Refer to:
- ☐ **Confidential**
- ☐ **Shelf**
- ☐ **Expandable**

Date _____ For additional information

CONSOLIDATION COAL COMPANY
EMERY MINE
EMERY, UTAH
ANNUAL IMPOUNDMENT CERTIFICATION

RECEIVED
DEC 14 1998
DIV. OF OIL, GAS & MINING

POND #1 **PERMIT NO. ACT/015/015**
INSPECTED BY Bruce Ware **DATE** Dec. 2, 1998

I. PHYSICAL INSPECTION (Stability & Structural Condition)

	YES	NO
A. Upstream Cracking or Movement		X
B. Downstream Cracking or Movement		X
C. Erosion		X
D. Proper Operation of Discharge System(s)	X	
E. Significant Seepage or Piping		X
F. Existing and Required Monitoring	N/A	

II. FIELD DATA

A. Pond Volume* 13.36 Ac-Ft
(Measured from Board 1 ft. above concrete outlet)

B. Pool Elevation 5838.7 Ft

C. Top of Dam Elevation 5844.0 Ft

D. Dewatering Pipe Invert Elevation _____ Ft

***Minimum volumes required:**

File in:
- ❑ Confidential
- ❑ Shelf
- ❑ Expandable

Refer to Record No 0001 **Date** 12-14-98
In C/ 015 , 015 , **Incoming**
For additional information

This is a annual report for (year) 1998

Name Bruce T.S. Ware Utah Registration No. (Seal) _____

Firm Bruce T.S. Ware Phone Number (435) 637-2620

Address 2223 N. 1200 W. Helper, UT 84526

Signature Bruce T.S. Ware Date Dec. 6, 1998

REGISTERED LAND SURVEYOR
No. 153834
BRUCE T. S. WARE
STATE OF UTAH

CONSOLIDATION COAL COMPANY
EMERY MINE
EMERY, UTAH
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	YES	NO
A. Upstream Cracking or Movement		X
B. Downstream Cracking or Movement		X
C. Erosion		X
D. Proper Operation of Discharge System(s)	X	
E. Significant Seepage or Piping		X
F. Existing and Required Monitoring	N/A	

II. FIELD DATA

A. Pond Volume* 13.36 Ac-Ft
(Measured from Board 1 ft. above concrete outlet)

B. Pool Elevation 5838.7 Ft

C. Top of Dam Elevation 5844.0 Ft

D. Dewatering Pipe Invert Elevation _____ Ft

*Minimum volumes required:			
	Treatment	**3.20**	**Ac-Ft**
	40% sed. vol	**4.10**	**Ac-Ft**
	TOTAL	**7.30**	**Ac-Ft**

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POND #2 **PERMIT NO. ACT/015/015**
INSPECTED BY Bruce Ware **DATE** Dec. 2, 1998

I. PHYSICAL INSPECTION (Stability & Structural Condition)

	YES	NO
A. Upstream Cracking or Movement		X
B. Downstream Cracking or Movement		X
C. Erosion		X
D. Proper Operation of Discharge System(s)	Dry	
E. Significant Seepage or Piping		X
F. Existing and Required Monitoring	N/A	

II. FIELD DATA

A. Pond Volume* 1.29 Ac-Ft
(Measured from open channel spillway(invert))

B. Pool Elevation Dry Ft

C. Top of Dam Elevation 5912.5 Ft

D. Dewatering Pipe Invert Elevation 5912.1 Ft

*Minimum volumes required:			
	Treatment	0.68	Ac-Ft
	40% sed. vol	0.33	Ac-Ft
	TOTAL	1.01	Ac-Ft

REGISTERED LAND SURVEYOR
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BRUCE T. S. WARE
STATE OF UTAH

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CONSOLIDATION COAL COMPANY
EMERY MINE
EMERY, UTAH
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POND #3 **PERMIT NO. ACT/015/015**
INSPECTED BY Bruce Ware **DATE** Dec. 2, 1998

I. PHYSICAL INSPECTION (Stability & Structural Condition)

	YES	NO
A. Upstream Cracking or Movement		X
B. Downstream Cracking or Movement		X
C. Erosion		X
D. Proper Operation of Discharge System(s)	Dry	
E. Significant Seepage or Piping		X
F. Existing and Required Monitoring	N/A	

II. FIELD DATA

A. Pond Volume* 1.09 Ac-Ft
(Measured from 0.5 ft. below top of CMP)

B. Pool Elevation Dry Ft

C. Top of Dam Elevation 5911 Ft

D. Dewatering Pipe Invert Elevation 5910.2 Ft

***Minimum volumes required:**

Treatment	**0.37**	**Ac-Ft**
40% sed. vol	**0.46**	**Ac-Ft**
TOTAL	**0.83**	**Ac-Ft**

REGISTERED LAND SURVEYOR
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POND #4 **PERMIT NO. ACT/015/015**
INSPECTED BY Bruce Ware **DATE** Dec. 2, 1998

I. PHYSICAL INSPECTION (Stability & Structural Condition)

	YES	NO
A. Upstream Cracking or Movement		X
B. Downstream Cracking or Movement		X
C. Erosion		X
D. Proper Operation of Discharge System(s)	Dry	
E. Significant Seepage or Piping		X
F. Existing and Required Monitoring	N/A	

II. FIELD DATA

A. Pond Volume* 167331 Cu-Ft
(Measured from the crest of the dam)

B. Pool Elevation **Dry Ft

C. Top of Dam Elevation 5955 Ft

D. Available Depth from Dam Crest 3.8 Ft

** This is an evaporation pond

Pond 004 is designed as an evaporation pond, not a sediment pond. Surface area is the critical design parameter for the pond. The pond is adequate in size if it has a potential diameter of 240 feet and an available depth of 2 feet from the crest of the dam. This corresponds to a volume of 45,239 cu ft.

REGISTERED LAND SURVEYOR
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POND #5 **PERMIT NO. ACT/015/015**
INSPECTED BY Bruce Ware **DATE** Dec. 2, 1998

I. PHYSICAL INSPECTION (Stability & Structural Condition)

	YES	NO
A. Upstream Cracking or Movement		X
B. Downstream Cracking or Movement		X
C. Erosion		X
D. Proper Operation of Discharge System(s)	X	
E. Significant Seepage or Piping		X
F. Existing and Required Monitoring	N/A	

II. FIELD DATA

A. Pond Volume* 4.71 Ac-Ft
(Measured from open channel spillway (invert))

B. Pool Elevation 5942.5 Ft

C. Top of Dam Elevation 5949 Ft

D. Dewatering Pipe Invert Elevation 5948.1 Ft

***Minimum volumes required: (After proposed raising of dam, pending DOGM approval of permit submitted Sept. 1990)**			
	Treatment	**3.70**	**Ac-Ft**
	40% sed. vol	**0.45**	**Ac-Ft**
	TOTAL	**4.15**	**Ac-Ft**

REGISTERED LAND SURVEYOR
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POND #6 **PERMIT NO. ACT/015/015**
INSPECTED BY Bruce Ware **DATE** Dec. 2, 1998

I. PHYSICAL INSPECTION (Stability & Structural Condition)

	YES	NO
A. Upstream Cracking or Movement		X
B. Downstream Cracking or Movement		X
C. Erosion		X
D. Proper Operation of Discharge System(s)	X	
E. Significant Seepage or Piping		X
F. Existing and Required Monitoring	N/A	

II. FIELD DATA

A. Pond Volume* 8.9 Ac-Ft
(Measured from open channel spillway (invert))

B. Pool Elevation 6019.9 Ft

C. Top of Dam Elevation 6023.0 Ft

D. Dewatering Pipe Invert Elevation 6019.9 Ft

*Minimum volumes required:			
	Treatment	1.70	Ac-Ft
	40% sed. vol	3.00	Ac-Ft
	TOTAL	4.70	Ac-Ft

REGISTERED LAND SURVEYOR NO. 153634 BRUCE T. S. WARE STATE OF UTAH

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Address 2223 N. 1200 W. Helper, UT 84526

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CONSOLIDATION COAL COMPANY
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POND #8 **PERMIT NO. ACT/015/015**
INSPECTED BY Bruce Ware **DATE** Dec. 2, 1998

I. PHYSICAL INSPECTION (Stability & Structural Condition)

	YES	NO
A. Upstream Cracking or Movement		X
B. Downstream Cracking or Movement		X
C. Erosion		X
D. Proper Operation of Discharge System(s)	Dry	
E. Significant Seepage or Piping		X
F. Existing and Required Monitoring	N/A	

II. FIELD DATA

A. Pond Volume* 3.55 Ac-Ft
(Measured from 1.6 ft above dewaering pipe (invert))

B. Pool Elevation Dry Ft

C. Top of Dam Elevation 5914.0 Ft

D. Dewatering Pipe Invert Elevation 5911.0 Ft

*Minimum volumes required:			
	Treatment	1.18	Ac-Ft
	40% sed. vol	0.80	Ac-Ft
	TOTAL	1.98	Ac-Ft

REGISTERED LAND SURVEYOR
No. 153834
BRUCE T. S. WARE
STATE OF UTAH

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