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**Consolidation Coal Company**  
Emery Mine  
P. O. Box 527  
Emery, Utah 84522  
(801) 286-2301

13 December 2001

Mr. Daron R. Haddock  
Permit Supervisor  
Division of Oil, Gas, and Mining  
1594 West North Temple Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

*class*  
*c/015/015*  
*Incoming*

RE: Annual Pond Inspections, Emery Mine

Dear Mr. Haddock:

Enclosed are the Annual Pond Inspections for 2001, for the Ponds at the Emery Mine.

If you have any questions please call me at (435) 286-2301.

Sincerely,

Stephen R. Behling  
General Mine Foreman  
Emery Mine

attachments: Annual Pond Inspection forms, Ponds 1-6 and 8.

RECEIVED

DEC 17 2001

DIVISION OF  
OIL, GAS AND MINING

**CONSOLIDATION COAL COMPANY**  
**EMERY MINE**  
**EMERY, UTAH**  
**ANNUAL IMPOUNDMENT CERTIFICATION**

POND #1  
 INSPECTED BY Bruce Ware

PERMIT NO. ACT/015/015  
 DATE Oct. 26, 2001

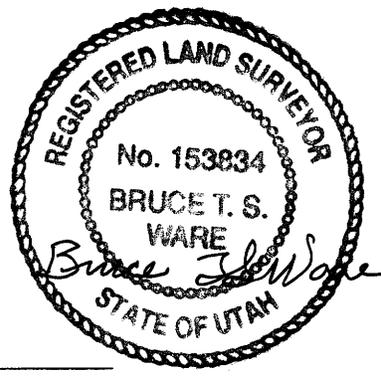
**I. PHYSICAL INSPECTION (Stability & Structural Condition)**

	<u>YES</u>	<u>NO</u>
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	N/A	
F. Existing and Required Monitoring		

**II. FIELD DATA**

A. Pond Volume*	<u>13.36</u>	Ac-Ft
(Measured from Board 1 ft. above concrete outlet)		
B. Pool Elevation	<u>5838.7</u>	Ft
C. Top of Dam Elevation	<u>5844.0</u>	Ft
D. Dewatering Pipe Invert Elevation	_____	Ft

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



This is a annual report for (year) 2001

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

Firm Bruce Ware, LLC Phone Number (435) 637-2620

Address 2223 N. 1200 W. Helper, UT 84526

Signature Bruce T. S. Ware Date Oct. 27, 2001

**CONSOLIDATION COAL COMPANY**  
**EMERY MINE**  
**EMERY, UTAH**  
**ANNUAL IMPOUNDMENT CERTIFICATION**

POND #2  
INSPECTED BY Bruce Ware

PERMIT NO. ACT/015/015  
DATE Oct. 26, 2001

**I. PHYSICAL INSPECTION (Stability & Structural Condition)**

	<u>YES</u>	<u>NO</u>
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**

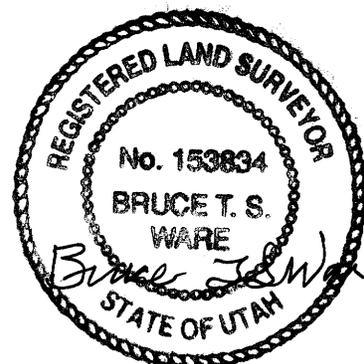
A. Pond Volume\* 1.29 Ac-Ft  
(Measured from open channel spillway(invert))

B. Pool Elevation 5912.5 Ft

C. Top of Dam Elevation 5912.1 Ft

D. Dewatering Pipe Invert Elevation \_\_\_\_\_ Ft

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



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**CONSOLIDATION COAL COMPANY**  
**EMERY MINE**  
**EMERY, UTAH**  
**ANNUAL IMPOUNDMENT CERTIFICATION**

POND #3  
INSPECTED BY Bruce Ware

PERMIT NO. ACT/015/015  
DATE Oct. 26, 2001

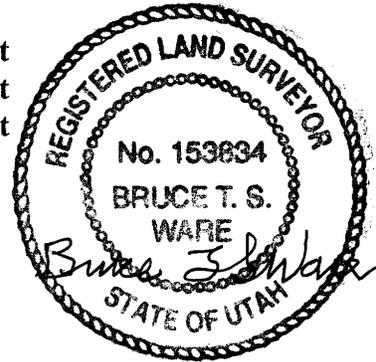
**I. PHYSICAL INSPECTION (Stability & Structural Condition)**

	<u>YES</u>	<u>NO</u>
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*	<u>1.09</u>	Ac-Ft
(Measured from 0.5 ft. below top of CMP)		
B. Pool Elevation	<u>Dry</u>	Ft
C. Top of Dam Elevation	<u>5911</u>	Ft
D. Dewatering Pipe Invert Elevation	<u>5910.2</u>	Ft

*Minimum volumes required:	Treatment	<u>0.37</u>	Ac-Ft
	40% sed. vol	<u>0.46</u>	Ac-Ft
	TOTAL	<u>0.83</u>	Ac-Ft



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Signature Bruce T. S. Ware Date Oct. 27, 2001

**CONSOLIDATION COAL COMPANY**  
**EMERY MINE**  
**EMERY, UTAH**  
**ANNUAL IMPOUNDMENT CERTIFICATION**

POND #4  
 INSPECTED BY Bruce Ware

PERMIT NO. ACT/015/015  
 DATE Oct. 26, 2001

**I. PHYSICAL INSPECTION (Stability & Structural Condition)**

	<u>YES</u>	<u>NO</u>
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\* 167.331 Cu-Ft  
 (Measured from the crest of the dam)

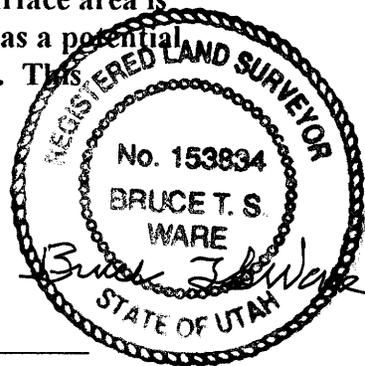
B. Pool Elevation \*\*Dry Ft

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.



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Signature Bruce T. S. Ware Date Oct. 27, 2001

**CONSOLIDATION COAL COMPANY**  
**EMERY MINE**  
**EMERY, UTAH**  
**ANNUAL IMPOUNDMENT CERTIFICATION**

POND #5  
 INSPECTED BY Bruce Ware

PERMIT NO. ACT/015/015  
 DATE Oct. 26, 2001

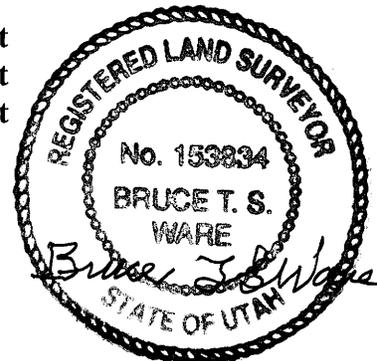
**I. PHYSICAL INSPECTION (Stability & Structural Condition)**

	<u>YES</u>	<u>NO</u>
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*	<u>4.71</u>	Ac-Ft
(Measured from open channel spillway (invert))		
B. Pool Elevation	<u>5942.5</u>	Ft
C. Top of Dam Elevation	<u>5949</u>	Ft
D. Dewatering Pipe Invert Elevation	<u>5948.1</u>	Ft

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



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Utah Registration No. (Seal) \_\_\_\_\_

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Signature Bruce T. S. Ware

Date Oct. 27, 2001

**CONSOLIDATION COAL COMPANY**  
**EMERY MINE**  
**EMERY, UTAH**  
**ANNUAL IMPOUNDMENT CERTIFICATION**

POND #6  
 INSPECTED BY Bruce Ware

PERMIT NO. ACT/015/015  
 DATE Oct. 26, 2001

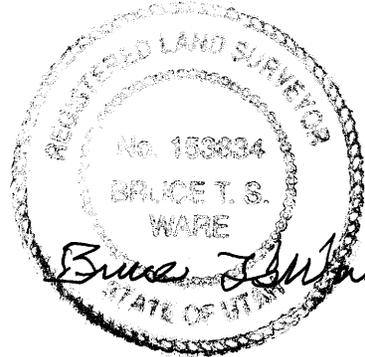
**I. PHYSICAL INSPECTION (Stability & Structural Condition)**

	<u>YES</u>	<u>NO</u>
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*	<u>8.9</u>	Ac-Ft
(Measured from open channel spillway (invert))		
B. Pool Elevation	<u>6019.9</u>	Ft
C. Top of Dam Elevation	<u>6023.0</u>	Ft
D. Dewatering Pipe Invert Elevation	<u>6019.9</u>	Ft

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



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Signature Bruce T. S. Ware Date Oct. 27, 2001

**CONSOLIDATION COAL COMPANY**  
**EMERY MINE**  
**EMERY, UTAH**  
**ANNUAL IMPOUNDMENT CERTIFICATION**

POND #8  
INSPECTED BY Bruce Ware

PERMIT NO. ACT/015/015  
DATE Oct. 26, 2001

**I. PHYSICAL INSPECTION (Stability & Structural Condition)**

	<u>YES</u>	<u>NO</u>
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**

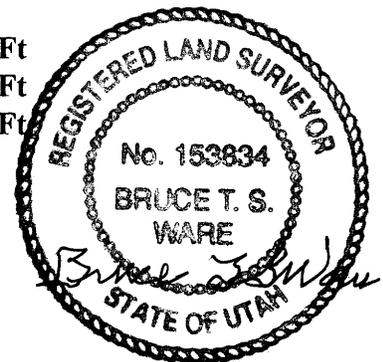
A. Pond Volume\* 3.55 Ac-Ft  
(Measured from 1.6 ft above dewatering pipe (invert))

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	<u>1.18</u>	Ac-Ft
	40% sed. vol	<u>0.80</u>	Ac-Ft
	TOTAL	<u>1.98</u>	Ac-Ft



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