

CO-OP MINING COMPANY

P.O. Box 1245
Huntington, Utah 84528



Office (435) 687-2450
Fax (435) 687-2084

January 11, 2001

Coal Program
Utah Division of Oil, Gas & Mining
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

To Whom It May Concern,

Re: ~~Water Monitoring Report, 3rd Quarter, 2000. Bear Canyon Mine,~~
~~015, Trail Canyon Mine, ACT/015/021, Emery County, Utah~~

Enclosed is the Water Monitoring Report for the 3rd Quarter, 2000.

If you have any questions, please call me at (435) 687-5238.

Sincerely,

Charles Reynolds, PE
Environmental Coordinator

Enclosure (s)
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RECEIVED

JAN 11 2001

DIVISION OF
OIL, GAS AND MINING

CO-OP MINING COMPANY

QUARTERLY WATER MONITORING REPORT

THIRD QUARTER, 2000

**BEAR CANYON MINE
ACT/015/025**

**TRAIL CANYON MINE
ACT/015/021**

BEAR CANYON

MINE

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		002A	Page 1 of 2
Permit Number	ACT\015\025	Report Date	08/31/00
Mine Name	Bear Canyon Mine		
Company Name	C.W. Mining Company		
Impoundment Identification	Impoundment Name	Sediment Pond "A"	
	Impoundment Number	002A	
	UPDES Permit Number	UTG040006	
	MSHA ID Number	N\A	
IMPOUNDMENT INSPECTION			
Inspection Date	08/31/00		
Inspected By	Charles Reynolds		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual/Quarterly/Recertification following cleanout		
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>The pond's dam appeared sound with no signs of structural weakness, erosion or any other hazards.</p>			
Required for an impoundment which functions as a SEDIMENTATION POND.	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p>Sediment storage capacity = 39,500 ft³ 60% cleanout elevation = 7,086 100% sediment storage elevation = 7,087.9 Existing sediment elevation = 7,082.5</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Principle spillway elevation = 7,088 Emergency spillway elevation = 7,094.5</p>		
<p>4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.</p> <p>The current water elevation is at 7084. No discharges have occurred from the pond. Sediment pond was cleaned during the months of July and August, 2000.</p>			
<p>5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.</p> <p>The existing sediment volume is 2,655 ft³. The existing runoff storage capacity is 136,681 ft³ which is greater than the 64,951 ft³ required in the permit.</p>			
Qualification Statement	<p>I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.</p>		
	Signature: <u>Charles Reynolds</u>		Date: <u>8/31/00</u>

CERTIFIED REPORT

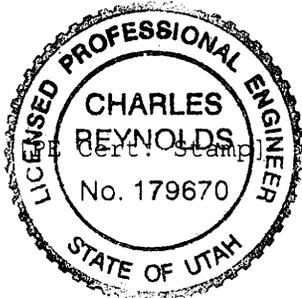
IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	X	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	X	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	X	

COMMENTS AND OTHER INFORMATION

The pond's configuration was not changed during the cleanout process.

Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.



By: Charles Reynolds, Mining Engineer
 (Full Name and Title)

Signature: *Charles Reynolds* Date: 8/31/00

P.E. Number & State: 179670 Utah

Permit Number	ACT\015\025	Report Date	9/20/00
Mine Name	Bear Canyon Mine		
Company Name	C.W. Mining Company		
Impoundment Identification	Impoundment Name	Sediment Pond "B"	
	Impoundment Number	003A	
	UPDES Permit Number	UTG040006	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	9/20/00		
Inspected By	Charles Reynolds		
Reason for Inspection <small>(Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)</small>	Quarterly		

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.
 The pond's dam appeared sound with no signs of instability or hazardous conditions.

Required for an impoundment which functions as a SEDIMENTATION POND.	2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment. Sediment storage capacity = 3,670 60% cleanout elevation = 7,062.9 100% sediment storage elevation = 7,063.4 Existing sediment elevation = 7,062.5 (average)
	3. Principle and emergency spillway elevations. Principle spillway elevation = 7,064.9 Emergency spillway elevation = 7,066.9

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on out slopes of embankments, etc.
 The pond contains minimal water. The slopes appear stable with good vegetation. The pond is currently in the process of being cleaned out.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.
 The existing sediment volume is 1,305 ft³. The existing storage capacity is 16,695 ft³ which is greater than the 9,095 ft³ required in the permit.

Qualification Statement	I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability. Signature: <u>Charles Reynolds</u> Date: <u>9/20/00</u>
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IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		006A	Page 1 of 2
Permit Number	ACT\015\025	Report Date	9/20/00
Mine Name	Bear Canyon Mine		
Company Name	C.W. Mining Company		
Impoundment Identification	Impoundment Name	Sediment Pond "C"	
	Impoundment Number	006A	
	UPDES Permit Number	UTG040006	
	MSHA ID Number	N/A	
IMPOUNDMENT INSPECTION			
Inspection Date	9/20/00		
Inspected By	Charles Reynolds		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Quarterly		
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>The pond's dam appeared sound with no signs of instability or hazardous conditions.</p>			
Required for an impoundment which functions as a SEDIMENTATION POND.	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p>Sediment storage capacity = 5,282 60% cleanout elevation = 7,030.3 100% sediment storage elevation = 7,031.4 Existing sediment elevation = 7,028.8 (Average)</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Principle spillway elevation = 7,032.3 Emergency spillway elevation = 7,035.3</p>		
<p>4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.</p> <p>The pond is dry. The pond was last cleaned in June, 1996. Embankment slopes are stable with moderate vegetation.</p>			
<p>5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.</p> <p>The existing sediment volume is approximately 1,171 ft³. The existing storage capacity is 14,534 ft³, which is greater than the 7,881 ft³ required in the approved plan.</p>			
Qualification Statement	<p>I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.</p> <p>Signature: <u>Charles Reynolds</u> Date: <u>9/20/00</u></p>		