

0005

*Incoming
C/015/0025 OK
Task ID #1863*

CO-OP MINING COMPANY

P.O. Box 1245
Huntington, Utah 84528



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

February 11, 2004

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: Bear Canyon Mine Permit Reformat and Digitization, Bear Canyon Mine, ACT/015/025-AMO3A

Enclosed is one hard copy and ^{four}~~seven~~ digital copies of our response to Technical Analysis. Also attached is a summary of our response to the Technical Analysis.

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

Thank You,

Mark Reynolds
Mark Reynolds

Enclosure(s)

File in: *C/015/0025 2004 Incoming*

Refer to:

- Confidential
- Shelf
- Expandable

Date: *02112004* For additional information

RECEIVED

MAR 01 2004

DIV. OF OIL, GAS & MINING

*Meonig
C/015/025*

CO-OP MINING COMPANY

ANNUAL REPORT 2003



Bear Canyon Mine
C/015/025

RECEIVED

APR 19 2004

DIV. OF OIL, GAS & MINING

Prepared by

Co-Op Mining Company
P.O. Box 1245
Huntington, Utah 84528
(435) 687-2450

Mark Reynolds

GENERAL INFORMATION

1. Permit Number	C/015/025
2. Mine Name	Bear Canyon Mine
3. Permittee Name	Co-Op Mining Company
4. Operator Name	
5. Permit Expiration Date	November 2, 2005
6. Company Representative,	Charles Reynolds, P.E.
7. Phone Number	(435) 687-2450
8. Fax Number	(435) 687-2084
9. Mailing Address	Co-Op mining Co. P.O. Box 1245 Huntington , Utah 84528
10. Resident Agent, Title	Mr. Wendell Owen
Mailing Address	P.O. Box 1245 Huntington , Utah 84528

IDENTIFICATION OF OTHER PERMITS

Identify other permits which are required in conjunction with mining and reclamation activities.

Permit Type	ID Number	Description	Expires on
1. MSHA Mine ID (s)	42-01697	Bear Canyon #1 Mine	N/A
	42-02095	Bear Canyon #2 Mine	N/A
	42-02263	Bear Canyon #3 Mine	N/A
	42-02335	Bear Canyon #4 Mine	N/A
2. MSHA Impoundment(s)		None	
3. NPDES/UPDES Permit(s) (water)	UTG040006	Minor Industrial	04/30/08
4. PSD (Air) Permit(s)	DAQE-145-02	Issued 2/22/02	N/A

5.			
----	--	--	--

CERTIFIED REPORTS

List the certified inspection reports as required by the rules and under the approved plan which must be periodically submitted to the Division. Specify whether the information is included as APPENDIX A to this Annual Report or currently ON FILE with the Division.

Certified Reports:	Reports Required?		INCLUDED or ON FILE w/DOGM?			Comments
	YES	NO	YES	NO	ON FILE	
1. Excess Spoil Files		X		X		
2. Refuse Files		X		X		
3. Impoundments	X		X			Ponds A, B, C, D
4.						
5.						

REPORTING OF OTHER TECHNICAL DATA

List other technical data and information as required under the approved plan which must be periodically submitted to the Division. Specify whether the information is included as APPENDIX B to this Annual Report or currently ON FILE with the Division.

Technical Data:	Reports Required?		INCLUDED or ON FILE w/DOGM?			Comments
	YES	NO	YES	NO	ON FILE	
1. Climatological Data	X		X			
2. Subsidence Monitoring	X		X			Subsidence Report 10/7/03
3. Vegetation Monitoring		X				
4. Raptor Data	X				X	2001, 2002, included in 2002 report
5. Soils Monitoring Data		X				
6. Water Monitoring Data	X				X	
First Quarter Report	X				X	
Second Quarter Report	X				X	
Third Quarter Report	X				X	
Fourth Quarter Report	X				X	
7. Geological/Geophysical		X				
8. Engineering Data		X				
9. Other Data						
Sediment Material Analysis	X		X			
Seed Mix	X		X			

LEGAL, FINANCIAL, COMPLIANCE AND RELATED INFORMATION

Changes in administration or corporate structure can often bring about necessary changes to information found in the mining and reclamation plan. The Division is requesting that each permittee review and update the legal, financial, compliance and related information in the plan as part of the Annual Report. Provide the Department of Commerce, Annual Report of Officers, or other equivalent information as necessary to ensure that the information provided in the plan is current. Provide any other changes as necessary regarding land ownership, lease acquisitions, legal results from appeals of violations, or other changes as necessary to update information required in the mining and reclamation plan. Include any certified financial statements, audits or worksheets which may be required to meet bonding requirements. Specify whether the information is currently ON FILE with the Division or included as APPENDIX C to this Annual Report.

Legal/Financial Data:	Report Required?		INCLUDED or ON FILE w/DOGM?			Comments
	YES	NO	YES	NO	ON FILE	
1. Department of Commerce,	x		x			
2. Other						

MINE MAPS

Copies of mine maps, current and up-to-date through at least December 31, 1998, are to be provided to the Division as APPENDIX D to this Annual Report in accordance with the requirements of R645-301-525.270. These map copies shall be made in accordance with 30 CFR 75.1200, as required by MSHA. Upon request, mine maps shall be kept confidential by the Division.

Map Number(s)	Map Title / Description	Confidential?
3-3	Subsidence Map	no
3-4A	#1 Mine Blind Canyon Seam	no
3-4B	#1 Mine Hiawatha Seam	no
3-4C	#2 Mine Tank Seam	no
7-10A through 7-10c	Mine Water Surveys	no

OTHER INFORMATION

Please provide any comments or further information to be included as part of the Annual Report. Any other attachments are to be provided as APPENDIX E to this Annual Report.

Additional attachments to this report? No Yes

APPENDIX A

Certified Reports

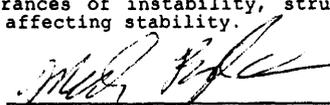
Excess Spoil Piles
Refuse Piles
Impoundments

As required under R645-301-514

Contents

Sediment pond inspections

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		002A	Page 1 of 1
Permit Number	ACT\015\025	Report Date	3/28/03
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	3/28/03 PHH per OK by Mark Reynolds		
Inspected By	Mark 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 appears stable with no signs of structural weakness, erosion or other 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 = 39,500 ft³ 60% cleanout elevation = 7,086 100% sediment storage elevation = 7,087.9 Existing sediment elevation = 7,085.8</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 pond contains 2.5 ft of water. The outslopes are well vegetated, with no signs of instability. The pond is scheduled for clean-out next month.</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 23,058 ft³. With the current water level, the existing runoff storage capacity is 99,512 ft³ which is greater than the 64,951 cubic feet required in the MRP.</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>Mark Reynolds</u> Date: <u>3-28-03</u></p>		

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		002A	Page 1 of 1
Permit Number	ACT\015\025	Report Date	6/24/03
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	6/24/03		
Inspected By	Mark Reynolds		
Reason for Inspection <small>(Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)</small>	Quarterly		
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>The pond's dam shows no signs of structural instability or other 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 = 39,500 ft³ 60% cleanout elevation = 7,086 100% sediment storage elevation = 7,087.9 Existing sediment elevation = 7,082 to 7086</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 out slopes of embankments, etc.</p> <p>The pond contains 4 inches of water. The pond is currently being cleaned</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 11,851 ft³. The existing runoff storage capacity is 100,949ft³ which is greater than the 64,951 ft³ required in the MRP.</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:  Date: 6-24-03</p>		

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		002A	Page 1 of 2
Permit Number	ACT\015\025	Report Date	7/21/03
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	7/21/03		
Inspected By	Mark Reynolds / Charles Reynolds		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual, Quarterly, 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</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 pond contains 12 inches of water. The outslopes are well vegetated, with no signs of instability. The pons was cleaned except the very south eastern corner which can not be cleaned due to runoff.</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 0 ft³. The existing runoff storage capacity is 107,492 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>7/21/03</u>

CERTIFIED REPORT

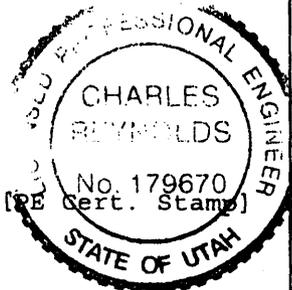
IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	X	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	X	
3. Has the impoundment met all applicable performance standards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

COMMENTS AND OTHER INFORMATION

The pond was cleaned during this quarter.

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: 7/21/03

P.E. Number & State: 179670, Utah

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		002A	Page 1 of 1
Permit Number	ACT\015\025	Report Date	11/18/03
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	11/18/03		
Inspected By	Mark Reynolds		
Reason for Inspection <small>(Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)</small>	Quarterly		
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>The pond's dam shows no signs of structural instability or other 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 = 39,500 ft³ 60% cleanout elevation = 7,086 100% sediment storage elevation = 7,087.9 Existing sediment elevation = 7,082</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 out slopes of embankments, etc.</p> <p>The pond contains 6 inches of snow. Embankment slopes appear stable and are well vegetated.</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 11,851 ft³. The existing runoff storage capacity is 100,949ft³ which is greater than the 64,951 ft³ required in the MRP.</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>Mark Reynolds</u> Date: <u>11-18-03</u></p>		

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		003A	Page 1 of 1
Permit Number	ACT\015\025	Report Date	3/28/03
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	3/28/03		
Inspected By	Mark 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 weakness 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 = 3,670 ft³ 60% cleanout elevation = 7,062.9 100% sediment storage elevation = 7,063.4 Existing sediment elevation = 7,063 to 7062.5</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Principle spillway elevation = 7,064.9 Emergency spillway elevation = 7,066.9</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 contains 6 inches of water. Embankment slopes appear stable and are well vegetated. Pond cleaning will resume next month.</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 pond contains 1,955 ft³ of sediment. The existing run-off storage capacity is 15,390 ft³ which is greater than the 9,095 ft³ required in the MRP.</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>Mark Reynolds</u>		Date: <u>3-28-03</u>

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		003A	Page 1 of 2
Permit Number	ACT\015\025	Report Date	6/24/03
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	6/24/03		
Inspected By	Mark Reynolds		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual, Quarterly, 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 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 = 3,670 ft³ 60% cleanout elevation = 7,062.9 100% sediment storage elevation = 7,063.4 Existing sediment elevation = 7,062 and 7,062.9</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Principle spillway elevation = 7,064.9 Emergency spillway elevation = 7,066.9</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 contains 3 inches of water. The outslopes are well vegetated, with no signs of instability. The pons was cleaned June 22.</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 pond contains approximately 0 ft³ of sediment. The existing runoff storage capacity is approximately 18,000 ft³ which is greater than the 9,095 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: [Handwritten Signature]

Date: 6/24/03

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)

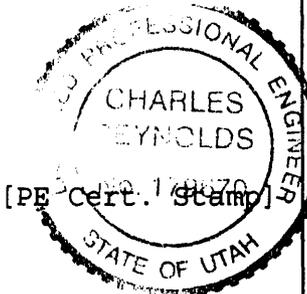
	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	X	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	X	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of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

COMMENTS AND OTHER INFORMATION

The pond is currently in the process of being cleaned with a minimal amount of sediment having entered the pond since the previous inspection.

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: 6/24/03

P.E. Number & State: 179570, Utah

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		003A	Page 1 of 1
Permit Number	ACT\015\025	Report Date	7/21/03
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	7/21/03		
Inspected By	Mark 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 weakness 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 = 3,670 ft³ 60% cleanout elevation = 7,062.9 100% sediment storage elevation = 7,063.4 Existing sediment elevation = 7,063 to 7062.1</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Principle spillway elevation = 7,064.9 Emergency spillway elevation = 7,066.9</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 out slopes of embankments, etc.</p> <p>The pond contains 6 inches of water. Embankment slopes appear stable and are well vegetated. Pond cleaning will resume next month.</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 pond contains 261 ft³ of sediment. The existing run-off storage capacity is 17,084 ft³ which is greater than the 9,095 ft³ required in the MRP.</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>Mark Reynolds</u> Date: <u>7-21-03</u></p>		

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		003A	Page 1 of 1
Permit Number	ACT\015\025	Report Date	11/18/03
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	11/18/03		
Inspected By	Mark 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 weakness 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 = 3,670 ft³ 60% cleanout elevation = 7,062.9 100% sediment storage elevation = 7,063.4 Existing sediment elevation = 7,063 to 7062.1</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Principle spillway elevation = 7,064.9 Emergency spillway elevation = 7,066.9</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 contains 6 inches of snow. Embankment slopes appear stable and are well vegetated.</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 pond contains 261 ft³ of sediment. The existing run-off storage capacity is 17,084 ft³ which is greater than the 9,095 ft³ required in the MRP.</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>Mark Reynolds</u> Date: <u>11-18-03</u></p>		

Permit Number	ACT\015\025	Report Date	3/28/03
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	3/28/03		
Inspected By	Mark Reynolds		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	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 = 5,282 ft ³ 60% cleanout elevation = 7,030.3 100% sediment storage elevation = 7,031.4 Existing sediment elevation = 7,029 (Average)
	3. Principle and emergency spillway elevations. Principle spillway elevation = 7,032.3 Emergency spillway elevation = 7,035.3

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.
 The pond is dry. Embankment slopes appear stable. The slopes are well vegetated.

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 approximately 1,334 ft³. The existing storage capacity is 14,371 ft³ which is greater than the 7,881 ft³ required in the MRP.

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: <i>Mark Reynolds</i> Date: 3-28-03

Permit Number	ACT\015\025	Report Date	6/24/03
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

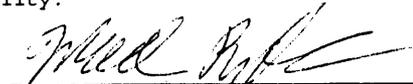
Inspection Date	6/24/03		
Inspected By	Mark Reynolds		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Quarterly		

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 = 5,282 ft ³ 60% cleanout elevation = 7,030.3 100% sediment storage elevation = 7,031.4 Existing sediment elevation = 7,029 (Average)
	3. Principle and emergency spillway elevations. Principle spillway elevation = 7,032.3 Emergency spillway elevation = 7,035.3

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.
 The pond is dry. Embankment slopes appear stable. The slopes are well vegetated.

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 approximately 1,334 ft³. The existing storage capacity is 14,371 ft³ which is greater than the 7,881 ft³ required in the MRP.

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:  Date: 6-24-03
--------------------------------	---

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		006A	Page 1 of 1
Permit Number	ACT\015\025	Report Date	7/21/03
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	7/21/03		
Inspected By	Mark 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 ft³ 60% cleanout elevation = 7,030.3 100% sediment storage elevation = 7,031.4 Existing sediment elevation = 7,029 (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. Embankment slopes appear stable. The slopes are well vegetated.</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 1,334 ft³. The existing storage capacity is 14,371 ft³ which is greater than the 7,881 ft³ required in the MRP.</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 style="text-align: right;">Signature:  Date: 7-21-03</p>		

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		006A	Page 1 of 1
Permit Number	ACT\015\025	Report Date	11/18/03
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	11/18/03		
Inspected By	Mark 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 ft³ 60% cleanout elevation = 7,030.3 100% sediment storage elevation = 7,031.4 Existing sediment elevation = 7,029 (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 out slopes of embankments, etc.</p> <p>The pond contains 6 inches of snow. Embankment slopes appear stable. The slopes are well vegetated.</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 1,334 ft³. The existing storage capacity is 14,371 ft³ which is greater than the 7,881 ft³ required in the MRP.</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: 		Date: 11-18-03

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		007A	Page 1 of 2
Permit Number	ACT\015\025	Report Date	4/14/03
Mine Name	Bear Canyon Mine		
Company Name	C.W. Mining Company		
Impoundment Identification	Impoundment Name	Sediment Pond "D"	
	Impoundment Number	007A	
	UPDES Permit Number	UTG040006	
	MSHA ID Number	N\A	

IMPOUNDMENT INSPECTION

Inspection Date	4/14/03		
Inspected By	Charles Reynolds		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Periodic Inspection during Construction		

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.
The completed slopes show no signs of structural weakness, erosion or any other hazards.

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. Design Sediment storage capacity = 1,109 ft ³ , pond currently constructed to 1/3 capacity. Top of embankment elevation = 7647, final elev projected at 7649. Bottom elevation currently at 7639.
	3. Principle and emergency spillway elevations. Principle spillway elevation = 7,648, has not been set to final elev Emergency spillway not yet constructed.

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 is partially constructed, it contains no water or sediment.

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 pond is at approximately 40% of its final storage capacity.

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: 	Date: 4/14/03

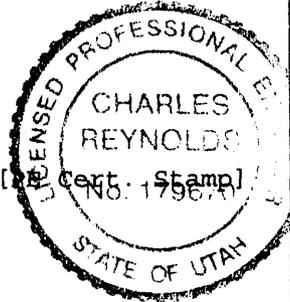
CERTIFIED REPORT

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 discharge limits at date of inspection?	X	

COMMENTS AND OTHER INFORMATION

There is a slight variation in the elevations, but otherwise the pond is being constructed according to the design.

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: [Handwritten Signature] Date: 4/14/03

P.E. Number & State: 179670, Utah

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		007A	Page 1 of 2
Permit Number	ACT\015\025	Report Date	6/24/03
Mine Name	Bear Canyon Mine		
Company Name	C.W. Mining Company		
Impoundment Identification	Impoundment Name	Sediment Pond "D"	
	Impoundment Number	007A	
	UPDES Permit Number	UTG040006	
	MSHA ID Number	N\A	

IMPOUNDMENT INSPECTION

Inspection Date	6/24/03
Inspected By	Mark Reynolds

Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Periodic Inspection during Construction
---	---

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.
The completed slopes show no signs of structural weakness, erosion or any other hazards.

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>Design Sediment storage capacity = 1,109 ft³, pond currently constructed to 1/3 capacity. Top of embankment elevation = 7647, final elev projected at 7649. Bottom elevation currently at 7639.</p>
--	---

3. Principle and emergency spillway elevations.
Principle spillway elevation = 7,648, has not been set to final elev
Emergency spillway not yet constructed.

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.
The pond is partially constructed, it contains no water or sediment.

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 pond is at approximately 40% of its final storage capacity.

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><i>Mark Reynolds</i></u> Date: <u>6-24-03</u></p>
-------------------------	--

CERTIFIED REPORT

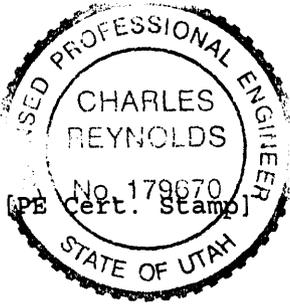
IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	X	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	X	
3. Has the impoundment met all applicable performance standards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

COMMENTS AND OTHER INFORMATION

No construction has taken place on the pond since the last inspection

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: 6/24/03

P.E. Number & State: 179670, Utah

Permit Number	ACT\015\025	Report Date	8/14/03
Mine Name	Bear Canyon Mine		
Company Name	C.W. Mining Company		
Impoundment Identification	Impoundment Name	Sediment Pond "D"	
	Impoundment Number	007A	
	UPDES Permit Number	UTG040006	
	MSHA ID Number	N\A	

IMPOUNDMENT INSPECTION

Inspection Date	8/14/03
Inspected By	Mark \Charles Reynolds

Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Final Inspection after Construction/Quarterly/Annual
---	--

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.
The completed slopes show no signs of structural weakness, erosion or any other hazards.

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>Design Sediment storage capacity = 932 ft³ Top of embankment elevation = 7,646 Bottom elevation currently at 7,635</p> <p>3. Principle and emergency spillway elevations.</p> <p>Principle spillway elevation = 7,642.5 Emergency spillway = 7644</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.
The pond is constructed and it contains no water or sediment.

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 approximately 0 ft³. The existing storage capacity is 6,638.5 ft³ which is greater than the 5,565 ft³ required in the MRP.

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>7/21/03</u></p>
-------------------------	--

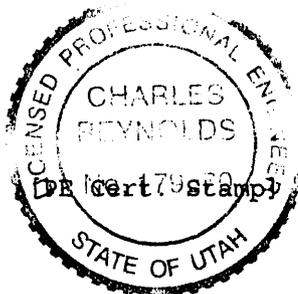
CERTIFIED REPORT

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

There is a slight variation in the elevation and shape, but the pond size is adequate

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: 7/21/03

P.E. Number & State: 179670, Utah

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		007A	Page 1 of 2
Permit Number	ACT\015\025	Report Date	11/18/03
Mine Name	Bear Canyon Mine		
Company Name	C.W. Mining Company		
Impoundment Identification	Impoundment Name	Sediment Pond "D"	
	Impoundment Number	007A	
	UPDES Permit Number	UTG040006	
	MSHA ID Number	N\A	

IMPOUNDMENT INSPECTION

Inspection Date	11/18/03
Inspected By	Mark Reynolds (Charles)

Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Periodic Inspection during Construction
---	---

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.
The completed slopes show no signs of structural weakness, erosion or any other hazards.

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>Design Sediment storage capacity = 1,109 ft³, pond currently constructed to 1/3 capacity. Top of embankment elevation = 7646 Bottom elevation currently at 7635</p>
--	---

	<p>3. Principle and emergency spillway elevations.</p> <p>Principle spillway elevation = 7,648, has not been set to final elev Emergency spillway not yet constructed.</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.

The pond contains 6 inches of snow. Embankment slopes appear stable and are well vegetated.

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 pond is at approximately 40% of its final storage capacity.

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>11/18/03</u></p>
-------------------------	---

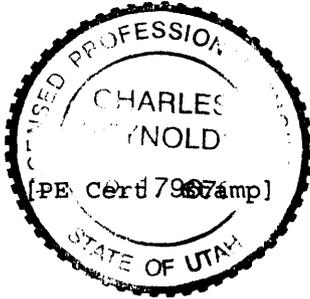
CERTIFIED REPORT

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

No construction has taken place on the pond since the last inspection

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: 11/18/03

P.E. Number & State: 179670, Utah

Appendix B

Reporting of Technical Data

Including monitoring data, reports, maps, and other information as required under the approved plan or as required by the Division.

In accordance with the requirements of R645-301-130 and R645-301-140.

Contents

Climatological Data

Subsidence Monitoring Data and Map

Precipitation - Bear Canyon

Date	Gauge Reading	Precipitation	Date	Gauge Reading	Precipitation
1/5/2003	0.06	Lt snow	5/16/2003	0.16	Rain
-----	-----	no precipitation	-----	-----	no precipitation
-----	-----	during this	-----	-----	during this
-----	-----	period	-----	-----	period
1/10/2003	0.01	Heavy Snow	5/29/2003	0	Lt. Rain
-----	-----	no precipitation	-----	-----	no precipitation
-----	-----	during this	-----	-----	during this
-----	-----	period	-----	-----	period
2/13/2003	0.07	Heavy Snow	6/12/2003	0	Lt. Rain
2/25/2003	0	snow	6/13/2003	0.01	Lt. Rain
2/26/2003	0	snow	-----	-----	no precipitation
2/27/2003	0	snow	-----	-----	during this
2/28/2003	0	snow	-----	-----	period
-----	-----	no precipitation	6/19/2003	0.22	Thundershowers
-----	-----	during this	6/20/2003	0.01	Lt. Rain
-----	-----	period	6/21/2003	0	no precipitation
3/4/2003	0	snow	6/22/2003	0	no precipitation
-----	-----	no precipitation	6/23/2003	0.01	Lt. Rain
-----	-----	during this	6/24/2003	0.35	Thundershowers
-----	-----	period	-----	-----	no precipitation
3/15/2003	0	rain	-----	-----	during this
3/16/2003	0	rain	-----	-----	period
3/17/2003	0	snow and Rain	7/17/2003	0.01	Rain
3/18/2003	0	snow	-----	-----	no precipitation
3/19/2003	0	Snow	-----	-----	during this
-----	-----	no precipitation	-----	-----	period
-----	-----	during this	8/4/2003	0.36	Rain
-----	-----	period	-----	-----	Rain
3/26/2003	0	snow	-----	-----	Rain
3/27/2003	0	Snow	-----	-----	Rain
-----	-----	no precipitation	8/8/2003	0.02	Rain
-----	-----	during this	-----	-----	no precipitation
-----	-----	period	-----	-----	during this
4/3/2003	0	snow	-----	-----	period
4/5/2003	0	snow	8/12/2003	0.08	Rain
4/6/2003	0	snow	8/13/2003	0.02	Rain
-----	-----	no precipitation	-----	-----	during this
-----	-----	during this	-----	-----	period
-----	-----	period	-----	-----	Rain
4/15/2003	0	Snow	8/15/2003	0.16	Rain
4/18/2003	0	Lt snow	-----	-----	no precipitation
4/20/2003	0	Lt Rain	-----	-----	during this
4/21/2003	0	Heavy Rain	-----	-----	period
4/22/2003	0	Rain and snow	8/18/2003	0.47	Rain
-----	-----	no precipitation	-----	-----	no precipitation
-----	-----	during this	-----	-----	during this
-----	-----	period	-----	-----	period
5/9/2003	0	Heavy Rain	8/25/2003	0	Rain
-----	-----	no precipitation	8/26/2003	0	no precipitation
-----	-----	during this	8/27/2003	0	Rain

Precipitation - Bear Canyon

Date	Gauge Reading	Precipitation
9/2/2003	0.11	Rain
9/3/2003	0	Lt.Rain
-----	-----	no precipitation
-----	-----	during this
-----	-----	period
9/8/2003	27	Rain
9/9/2003	0	no precipitation
9/10/2003	0.04	Rain
9/11/2003	0.03	Rain
-----	-----	no precipitation
-----	-----	during this
-----	-----	period
11/7/2003	0.15	Snow
-----	-----	no precipitation
-----	-----	during this
-----	-----	period
11/11/2003	0.15	Snow
-----	-----	no precipitation
-----	-----	during this
-----	-----	period
11/17/2003	0.55	Snow
-----	-----	no precipitation
-----	-----	during this
-----	-----	period
11/26/2003	0.03	Snow
-----	-----	no precipitation
-----	-----	during this
-----	-----	period
12/1/2003	0.06	Snow
-----	-----	no precipitation
-----	-----	during this
-----	-----	period
12/6/2003	0	Lt.Snow
12/7/2003	0	Lt.Snow
12/8/2003	0.02	Snowing
-----	-----	no precipitation
-----	-----	during this
-----	-----	period
12/25/2003	0.03	Snowing
12/26/2003	0.01	Snow/Sunny

Date	Gauge Reading	Precipitation
------	---------------	---------------

Olympus Aerial Surveys, Inc.
 Report for Photography dated October 7, 2003
 For
 CW MINING COMPANY
 BEAR CANYON SUBSIDENCE STUDY

POINT	EASTING	NORTHING	2002	2003	DIFF	POINT COMMENTS
			ELEVATION	ELEVATION		
500	2110762.355	399780.241	9109.748	9106.400	-3.348	500
501	2110961.258	400436.201	9032.621	9034.240	1.619	501
502	2111861.962	393725.546	8252.418	8254.050	1.632	502
503	2112283.963	399690.792	9314.999	9312.100	-2.899	503
504	2113019.904	400644.916	9359.049	9360.040	0.991	504
505	2113089.520	400585.283	9387.231	9387.950	0.719	505
506	2113149.191	400416.324	9371.245	9369.360	-1.885	506
507	2113258.588	400615.100	9389.916	9389.890	-0.026	507
508	2113318.259	400287.119	9308.762	9309.710	0.948	508
509	2113537.052	400247.364	9268.422	9267.190	-1.232	509
510	2113755.845	400386.508	9272.684	9272.800	0.116	510
511	2113855.297	400446.140	9261.356	9262.570	1.214	511
512	2114358.525	401461.490	9302.456	9304.850	2.394	512
513	2114835.892	400785.652	9040.212	9047.660	7.448	513
514	2114846.619	400293.540	8918.303	8919.600	1.297	514
515	2114946.070	400323.357	8863.409	8862.430	-0.979	515
516	2115015.686	400303.479	8812.970	8813.690	0.72	516
517	2115065.412	400214.030	8743.131	8742.430	-0.701	517
518	2115224.535	400094.764	8570.114	8570.190	0.076	518
519	2115333.150	402047.879	9251.258	9253.010	1.752	519
520	2116456.621	394510.710	8199.644	8200.750	1.106	520
521	2116795.868	396087.444	8694.958	8694.360	-0.598	521
522	2116944.264	401401.857	9469.835	9471.070	1.235	522
523	2117859.999	395829.035	8650.200	8651.090	0.89	523
524	2117909.725	396954.106	9055.792	9054.860	-0.932	524
525	2117938.449	391807.359	8545.422	8544.840	-0.582	525
526	2118039.012	396159.003	8820.325	8821.050	0.725	526
527	2118704.225	394769.119	8470.668	8472.390	1.722	527
528	2119092.086	392165.155	8699.377	8699.500	0.123	528
529	2119191.538	395166.670	8775.592	8773.790	-1.802	529
530	2119420.276	395494.650	8923.794	8925.920	2.126	530
531	2119837.973	394222.485	8438.392	8442.710	4.318	531
532	2119921.762	392401.872	8930.351	8931.470	1.119	532
533	2120026.931	396170.488	9148.584	9148.900	0.316	533
534	2120299.678	393842.997	8803.530	8803.950	0.42	534
535	2120498.581	392372.056	8925.239	8926.500	1.261	535
536	2120603.749	395166.670	9058.705	9059.150	0.445	536
537	2120707.429	390791.788	8866.586	8865.220	-1.366	537
538	2120816.826	393743.609	9054.427	9055.060	0.633	538
539	2120975.948	392322.362	8629.768	8629.790	0.022	539
540	2121403.589	395035.652	8650.010	8658.840	8.83	540
541	2121622.383	393534.894	8751.497	8753.740	2.243	541
542	2121731.779	392481.382	8193.485	8192.010	-1.475	542
543	2121831.231	395035.652	8218.974	8220.410	1.436	543
544	2121841.176	390702.339	8626.064	8616.500	-9.564	544
545	2122686.514	392759.669	7958.275	7957.140	-1.135	545

APPENDIX C

Legal, Financial, Compliance and Related Information

Annual Report of Officers
as submitted to the Utah Department of Commerce
and other changes in ownership and control information
as required under R645-301-110.

CONTENTS

Annual Report of Officers



ANNUAL REPORT / RENEWAL FORM

Entity Number	Entity Type	Renewal Fee	Delinquent Date	Total Late renewal Fee	Date Entity Can No Longer Renew
836133-0142	Corporation - Domestic - Profit	\$10.00	06/10/2002	\$20.00	08/20/2002

SUBMIT SEPARATE PAYMENTS FOR MULTIPLE RENEWALS
CHANGES MADE ON THE FORM ON THE REVERSE MUST BE TYPE WRITTEN OR COMPUTER GENERATED

OK PK 5-23-02

CARL E. KINGSTON
C. W. MINING COMPANY
53 W ANGELO AVE
SALT LAKE CITY UT 84115

00000556723C0R00008361330142000000000000000001000

(Detach coupon above even if changes are made on the reverse side of this form)

INSTRUCTIONS FOR ANNUAL REPORT/RENEWAL - PLEASE READ CAREFULLY

TIMELY RENEWAL: Pursuant to Utah Law, all renewals must be filed within their legally prescribed time. Failure to do so may result in the loss of all protection and privileges in the State of Utah.

RENEWAL FEES: Application fees are subject to change by the Legislature each July 1st. The fees quoted above are current at the time this renewal form was printed. The "Total Late Renewal Fee" quoted above is the total amount due if renewing after the entity's Delinquent Date.

RENEWAL: Please submit original form only. If no changes need to be made to registered information, carefully detach the coupon above and submit with the appropriate fee in the enclosed return envelope. For multiple renewals please submit separate payments. Payments are accepted by check or money order and should be payable to "State of Utah" DO NOT SEND CASH. Please indicate registration number and/or business name on check.

CHANGES: At the time of renewal changes can be made to the entity's registered information with no fee by using the form printed on the reverse. If making changes, return the detached coupon, the form with changes and the appropriate fee in the enclosed return envelope. Ensure that the changes made on the reverse side of this form are being made to the entity with which this renewal is associated.

If you have questions concerning this renewal or would like to check the status of your record please contact the Corporations Information Center at: (801) 530-4849 or toll free in-state (877) 526-3994 or go to <http://www.state.ut.us/serv/bes>. Forms may be downloaded from our Web site: <http://www.commerce.state.ut.us>

RENEWAL INFORMATION

RENEWAL INFORMATION

ENTITY SPECIFIC INFORMATION:

www.utah.gov/commerce/abr

Corporation - Domestic - Profit: ONE (1) corporate officer with address {UCA 16-10A-839} & THREE (3) directors with addresses {UCA 16-10A-803} (exception: 16-10A-803-1b) must be reported by the entity's first anniversary annual report.

Corporation - Foreign - Profit: What the home state law requires

Professional Corporation: ONE (1) director with address and ONE (1) corporate officer with address, each must be an individual licensed to render the same specific professional services as those for which the corporation is organized or be qualified to be an officer or director under the applicable licensing act for which the corporation is organized {UCA 16-11-8}.

Use the form on the reverse to set forth any change in registered information, there is no additional fee involved when changing registered information.

The following renewals will be updated in our system within seven days
Please print the following form for your records

Fee Summary For:

CARL E. KINGSTON
C. W. MINING COMPANY
53 W ANGELO AVE
SALT LAKE CITY , UT 84115

Renewal Fee :	10.00
Total Fee Paid on June 3, 2003:	10.00

Businesses Renewed

Business Name: C. W. MINING COMPANY
Entity Number: 836133-0142
Registration Date: 6/10/1983
State of Origin: UT

RENEWED

APPENDIX D

Mine Maps

As Required under R645-301-525.270.

Contents

3-3	Bear Canyon Subsidence Map
3-4A	#1 Mine Blind Canyon Seam
3-4B	#1 Mine Hiawatha Seam
3-4C	#2 Mine Tank Seam
7-10A through 7-10C	Mine Water Surveys

APPENDIX E

Miscellaneous Data

Contents

Sediment Pond Material Analysis
Reclamation Seed Mix



Phone (505) 326-4737 Fax (505) 325-4182

Inter-Mountain Laboratories, Inc.

2506 West Main Street, Farmington, NM 87401

APR-26-02 10:59 AM

Page 1 of 2

Client Project ID: Bear Canyon Mine

C.W. Mining Co.
Huntington, UT

IML Project #0302S01446

Date Received: 04/04/02

Report Date: 04/26/02

Lab Id	Sample Id	Depths	pH	Electrical Conductivity	Saturation	Ca	Mg	Na	SAR	Sand	Silt	Clay	Texture USDA	Rock Fragments
			s.u.	mmhos/cm	%	meq/L	meq/L	meq/L	ratio	%	%	%		%
0302S01446	Sed. Pond A.	N/A	7.5	4.45	44	17	29	9.4	2.0	68	22	10	SL	0.86

P. 03



Phone (505) 326-4737 Fax (505) 325-4182

Inter-Mountain Laboratories, Inc.

2506 West Main Street, Farmington, NM 87401

APR-26-02 10:59 AM

C.W. Mining Co.
Huntington, UT

Page 2 of 2

Client Project ID: Bear Canyon Mine
Date Received: 04/04/02

IML Project #0302S01446
Report Date: 04/26/02

Lab Id	Sample Id	Depths	Neutral Potential %	Max. Acid Potential %	Organic Carbon %	Total Nitrogen %	Nitrate - N mg/Kg	Boron mg/Kg	Selenium mg/Kg	1/3 Bar FC %	15 Bar PWP %
0302S01446	Sed. Pond A.	N/A	10.3	1.5	9.4	0.40	0.7	2.0	<0.02	20.1	8.1

P. 04



**Grassland
West**

Growing With You

908 Port Drive
Clarkston, WA 99403
Phone: (509) 758-9100
Fax: (509) 758-6601

PACKING SLIP

NUMBER: 39679

DATE: 10/24/2002

CUSTOMER: 3567

BILL TO: Agrono-Tec Seed Co.
21420 Bundy Canyon Rd.
Wildmar, CA 92595

SHIP TO: CW Mining Co.
9 Miles Up Huntington Canyon
Huntington, UT 84528

TELEPHONE: (909)674-0638

PAGE	SHIP VIA	FOB	TERMS	SALESPERSON	
1	UPS	Delivered	NET 30	Rep 4	
PO NUMBER	ORDER DATE	SHIP DATE	DUE DATE	ORDERED BY	SO NUMBER
	10/24/2002	10/24/2002	11/23/2002		10656
ORDERED	UM	SHIPPED	B/O	DESCRIPTION	
19.6	L	19.6		Mountain Brush Mix Lot: 3-452 Packages: 1, Packed: 19.6LB	
12.3	L	12.3		Interim Rec. Lot: 3-451 Packages: 1, Packed: 12.3LB Freight , Freight Out	

NOTICE TO BUYER:

1. EXCLUSION OF WARRANTIES AND LIMITATION OF DAMAGES AND REMEDY. GRASSLAND WEST CO. WARRANTS THAT THIS SEED CONFORMS TO THE LABEL DESCRIPTION, AS REQUIRED BY FEDERAL AND STATE SEED LAWS. WE MAKE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OTHERWISE, CONCERNING THE PERFORMANCE OF THIS SEED. LIABILITY FOR DAMAGES FOR ANY CAUSE, INCLUDING, BUT NOT LIMITED TO, BREACH OF CONTRACT OR BREACH OF WARRANTY OR NEGLIGENCE, WITH RESPECT TO THIS SALE OF SEED IS LIMITED TO A REFUND OF THE PURCHASE PRICE OF THE SEED. THIS REMEDY IS EXCLUSIVE. IN NO EVENT SHALL GRASSLAND WEST CO. BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING LOSS OF PROFITS.

2. REQUIRED ARBITRATION. UNDER THE SEED LAWS OF SOME STATES (INCLUDING IDAHO), ARBITRATION IS REQUIRED AS A PRECONDITION OF MAINTAINING CERTAIN LEGAL ACTIONS, COUNTERCLAIMS OR DEFENSES AGAINST A SELLER OF SEED. THE BUYER MUST FILE A COMPLAINT ALONG WITH THE FILING FEE WITHIN SUCH TIME AS TO PERMIT INSPECTION OF THE CROPS, PLANTS OR TREES AND NOTIFY SELLER OF COMPLAINT BY CERTIFIED MAIL.

CUSTOMER: CW MINING-HUNTINGTON
MIXTURE NAME: RECLAMATION MIX

LOT: #16426

PURITY MIXTURE CONTENTS

16.59% MONTIDA OATS
17.64% BEAR BLUEBUNCH WHEATRASS
5.64% GRITANA THICKSPIKE WHEATGRASS
4.74% PINROCK INDIAN RICEGRASS
4.70% LADAK ALFALFA
4.55% SANDBERG BLUEGRASS VNS
3.22% GREAT BASIN WILDRYE

ORIGIN GERM/HARD

MONTAN 92%
WA 82%
CANADA 97%
OREGON 89%
UTAH 62% + 34%
MONTAN 30% + 51%
UTAH 55% + 26%

0.12% CROP 2.58% INERT OLDEST TEST DATE: 10/01
0.24% WEED NONE FOUND

NET WEIGHT 30.00 LBS.

CW MINING CO.
HUNTINGTON, UTAH

0

Part 1 of 2

lot number 16426 continued

Part 2 of 2

*Charles
has receipt
call him
for it*

CUSTOMER: C.W. MINING
MIXTURE NAME: MOUNTAIN BRUSH-CONIFER
P.O. NUMBER: 15196- ELDON STEVENS

LOT: #16878

PURITY MIXTURE CONTENTS

17.00% BEAR BLUEBUNCH WHEATRASS
16.70% GREAT BASIN WILDRYE
15.14% WESTERN WHEATRASS
10.45% PINROCK INDIAN RICEGRASS
5.74% UTAH SERVICE BERRY
5.54% BUMAC SKUNKBUSH
3.92% FIRECRACKER PENSTEMON
2.56% PALMER PENSTEMON
2.39% BLUE FLAX
2.29% SANDBERG BLUEGRASS
1.08% VASSEYANA SAGEBRUSH
0.58% LOUISIANA SAGEWORT
0.52% BLUE ASTER

ORIGIN GERM/HARD

WASHIN 82%
WASHIN 47% + 36%
MONTAN 92%
OREGON 89%
UTAH 81%
UTAH 84%
UTAH 70%
UTAH 91%
WASHIN 97%
MONTAN 30% + 51%
COLORA 86%
UTAH 78%
UTAH 90%

Part 1 of 2

lot number 16878 continued

0.51% WESTERN YARROW

COLORA 92%

0.24% CROP 15.46% INERT OLDEST TEST DATE: 3/02
0.39% WEED NO NOXIOUS FOUND

NET WEIGHT 43.05 LBS.

C.W. MINING
373 BEAR CANYON ROAD
HUNTINGTON CANYON
HUNTINGTON UTAH 84528

Part 2 of 2

5/11/03

PURITY	MIXTURE CONTENTS	ORIGIN GERM/HARD
35.31%	SECAR BLUEBUNCH WHEATGRASS	WASHIN 86%
30.31%	CRITANA THICKSPIKE WHEATGRASS	WASHIN 89%
13.63%	RIMROCK INDIAN RICEGRASS	WASHIN 84%
9.15%	SANDBERG BLUEGRASS	MONTAN MIX
7.58%	GREAT BASIN WILDRYE	COLORA 45% + 26%

0.09% CROP 5.76% INERT OLDEST TEST DATE: 10/03
 0.20% WEED NONE FOUND

NET WEIGHT 14.82 LBS.

SKYLINE RECLAMATION
 RRI, BOX 275
 FAIRVIEW, UT 84629-

269

*11-24-03
 T.S. Sep 2001 P.M.E.*

TO: Agrono Tec Seed Co. LOT: 3-452
MIX NAME: Mountain Brush

REQUESTED	KIND	PURE SEED			HARD	ORG	TEST DATE
		IN MIX	GERM	SEED			
1)	4.06%	Shrub, Sagebrush, Wyoming Big	0.58%	92.00%	0.00%	WY	01/11/2001
2)	1.01%	Shrub, Sagebrush, Prairie	0.98%	85.00%	0.00%	ID	09/15/2001
3)	10.15%	Shrub, Sagebrush, True Mountain	6.46%	37.00%	0.00%	AZ	01/02/2002
4)	3.55%	Shrub, Sagebrush	3.19%	84.00%	0.00%	UT	05/22/2002
5)	3.04%	Shrub, Serotinous	2.96%	83.00%	0.00%	UT	08/03/2002
3)	0.25%	Flower, Yarrow, White	0.25%	97.00%	0.00%	Urag	06/15/2002
7)	0.56%	Flower, Aster, Blue Leaf	0.55%	90.00%	0.00%	OR	09/15/2001
8)	4.16%	Vetch, Utah Sweet	4.11%	24.00%	69.00%	ID	03/11/2002
3)	1.32%	Flower, Flax, Upper Lewis	1.31%	94.00%	0.00%	WA	08/22/2002
1)	1.52%	Penstemon, Firecracker	1.40%	85.00%	0.00%	UT	01/21/2002
1)	1.37%	Flower, Penstemon, Palmer	1.30%	95.00%	0.00%	ID	03/14/2002
2)	8.52%	Wildrye, Basin, Trailhead	8.26%	93.00%	0.00%	ID	10/23/2001
3)	1.22%	Bluegrass, Sandberg	1.18%	86.00%	0.00%	UT	06/15/2002
4)	8.52%	Wheatgrass, Western	8.45%	82.28%	0.00%	WA	06/25/2002
5)	8.12%	Wheatgrass, Bluebunch Secar	8.05%	95.00%	0.00%	WA	06/15/2002
5)	42.63%	Ricegrass, Indian	42.53%	3.00%	9.00%	MT	07/17/2002

OTHER CROP : 0.56%
 INERT MATTER : 7.50%
 WEED : 0.51%
 NOXIOUS: NONE FOUND
 BAG WEIGHT : 19.61 lb

Agrono Tec Seed Co.
 2440 Bundy Canyon Rd
 Huntington, UT 84305

lot number 16878 continued

0.51% WESTERN YARROW COLORA 92%

0.24% CROP 15.46% INERT OLDEST TEST DATE: 3/03
 0.39% WEED NO NOXIOUS FOUND

NET WEIGHT: 14.82 LBS.

C.W. MINING
 373 BEAR CANYON RD
 HUNTINGTON, UT
 HUNTINGTON, UT 84305

CUSTOMER: C.W. MINING CO.

LOT: #16444

PURITY MIXTURE CONTENTS

33.06% BLUEBUNCH WHEATGRASS
 26.13% THICKSPIKE WHEATGRASS
 12.26% INDIAN RICEGRASS
 9.87% ALFALFA
 9.11% SANDBERG BLUEGRASS
 5.63% GREAT BASIN WILD RYE

ORIGIN GERM/HARD

WASHIN 93%
 CANADA 97%
 WASHIN 97%
 IDAHO 74% + 20%
 MONTAN 81% + 90%
 COLORA 45% + 26%

0.47% CROP 3.28% INERT OLDEST TEST DATE: 8/ 1
 0.19% WEED NO NOXIOUS WEED FOUND

NET WEIGHT 20.25 LBS.

C.W. MINING CO.
 P.O. BOX 300
 HUNTINGTON, UT 84528-

3598

CUSTOMER: C.W. MINING CO.

LOT: #16444

PURITY MIXTURE CONTENTS

33.06% BLUEBUNCH WHEATGRASS
 26.13% THICKSPIKE WHEATGRASS
 12.26% INDIAN RICEGRASS
 9.87% ALFALFA
 9.11% SANDBERG BLUEGRASS
 5.63% GREAT BASIN WILD RYE

ORIGIN GERM/HARD

WASHIN 93%
 CANADA 97%
 WASHIN 97%
 IDAHO 74% + 20%
 MONTAN 81% + 90%
 COLORA 45% + 26%

0.47% CROP 3.28% INERT OLDEST TEST DATE: 8/ 1
 0.19% WEED NO NOXIOUS WEED FOUND

NET WEIGHT 20.25 LBS.

C.W. MINING CO.
 P.O. BOX 300
 HUNTINGTON, UT 84528-

3598

CUSTOMER: C.W. MINING

LOT: #16878

MIXTURE NAME: MOUNTAIN CRUSH-CONT
 P.O. NUMBER: 15196- ELMON STEVEN

PURITY MIXTURE CONTENTS

ORIGIN GERM/HARD

17.00% SECAR BLUEBUNCH WHEATGRASS
 18.79% GREAT BASIN WILD RYE
 15.14% WESTERN WHEATGRASS
 10.45% INDIAN RICEGRASS
 5.74% UTAH BLUEGRASS
 5.54% SUNAC BLUEGRASS
 3.32% FIRECRACKER PENSTEMON
 2.56% PALMER PENSTEMON
 2.39% BLUE FLAX
 2.29% SANDBERG BLUEGRASS
 1.08% VASSEYANT CAGEBRUSH
 0.58% LOUISIANA CAGEVORT
 0.52% BLUE ASTER

WASHIN 82%
 WASHIN 47% + 36%
 MONTAN 97%
 OREGON 89%
 UTAH 81%
 84%
 78%
 51%