

HIAWATHA COAL COMPANY
ANNUAL REPORT 1999

Hiawatha Complex
ACT/007/011

Confidential
 Shelf
 Expandable
Refer to Record No. 0014 Date 3/29/2000
In C/007/011, 2000, Succession
For additional information Confidential

GENERAL INFORMATION

1. Permit Number	ACT/007/011
2. Mine Name	Hiawatha Complex
3. Permittee Name	Hiawatha Coal Company Inc.
4. Operator Name (if other than Permittee)	
5. Permit Expiration Date	3/14/02
6. Company Representative, Title	Elliot Finley, Pres.
7. Phone Number	(435) 637-1778
8. Fax Number	(435) 637-1378
9. Mailing Address	P.O. Box 1202
	Huntington, Utah 84528
10. Resident Agent, Title	Elliot Finley, Pres.
Mailing Address	P.O. Box 1202
	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)	42-02157	King Mines	
2. MSHA Impoundment(s)	01	Slurry Impoundment No. 1	
	03	Slurry Impoundment No. 5	
3. NPDES/UPDES Permit(s) (water)	UT0023094	Minor Industrial	9/30/04
4. PSD (Air) Permit(s)	BAQE-502-89		
5.	04	Refuse Pile No. 1	

6.

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 Piles		X		X		
2. Refuse Piles	X		X			
3. Impoundments	X		X			
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 Data	X		X			
3. Vegetation Monitoring Data		X		X		
4. Raptor Data	X		X			
5. Soils Monitoring Data		X		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 Data		X		X		
8. Engineering Data		X		X		
9. Other Data						

**Utah Department of Commerce
 Division of Corporations & Commercial Code
 In person: 160 East 300 South, 1st Floor
 Salt Lake City, Utah 84111
 Fax: (801) 530-6111
 Web site: http://www.commerce.state.ut.us**



PROFIT CORPORATION ANNUAL REPORT

The following information is on file in this office. All profit corporations must file their annual reports and corrections within the month of their anniversary date. Failure to do so will result in Delinquency, Revocation or Involuntary Dissolution of the corporate charter.

THIS BOX MUST BE COMPLETED.

CORPORATE NAME, REGISTERED AGENT, REGISTERED OFFICE, CITY, STATE & ZIP		MAKE ALL CORRECTIONS IN THIS COLUMN	
CORPORATION # 201598		When New Agent Named _____	
D 06/30/97		_____	
MIANATHA COAL COMPANY, INC.		_____	
CARL E KINGSTON		UTAH	
3212 S STATE ST		New City _____	
SALT LAKE CITY UT 84115		REGISTERED AGENT MUST BE IN UTAH _____	
WHEN CHANGING THE REGISTERED AGENT THE NEW AGENT MUST SIGN _____			
INCORPORATED IN THE STATE AND UNDER THE LAWS OF UTAH			
ADDRESS OF THE PRINCIPAL OFFICE IN THE HOME STATE _____			
Street Address _____		State or County _____	
City _____		Zip _____	

BUSINESS PURPOSE: NONCLASSIFIABLE ESTABLISHMENTS

DOMESTIC PROFIT CORPORATIONS ARE REQUIRED TO LIST A CORPORATE OFFICER.

OFFICERS			
PRESIDENT	E O FINLEY	8. _____	
ADDRESS	3212 S STATE ST	_____	
CITY, STATE & ZIP	SALT LAKE CITY UT 84115	9. _____	
VICE PRESIDENT	N J FINLEY	_____	
ADDRESS	3212 S STATE ST	10. _____	
CITY, STATE & ZIP	SALT LAKE CITY UT 84115	_____	
SECRETARY	C A GUSTAFSON	11. _____	
ADDRESS	3212 S STATE ST	_____	
CITY, STATE & ZIP	SALT LAKE CITY UT 84115	_____	
TREASURER	C A GUSTAFSON	_____	
ADDRESS	3212 S STATE ST	_____	
CITY, STATE & ZIP	SALT LAKE CITY UT 84115	_____	

ALL DOMESTIC CORPORATIONS MUST LIST THREE (3) DIRECTORS UNLESS THEY FALL UNDER THE EXEMPTIONS STATED IN SECTION 16-10-201.

DIRECTORS			
DIRECTOR	E O FINLEY	12. _____	
ADDRESS	3212 S STATE ST	_____	
CITY, STATE & ZIP	SALT LAKE CITY UT 84115	13. _____	
DIRECTOR	N J FINLEY	_____	
ADDRESS	3212 S STATE ST	14. _____	
CITY, STATE & ZIP	SALT LAKE CITY UT 84115	_____	
DIRECTOR	C A GUSTAFSON	_____	
ADDRESS	3212 S STATE ST	_____	
CITY, STATE & ZIP	SALT LAKE CITY UT 84115	_____	

Under penalties of perjury and as an authorized officer, declare that this annual report and, if applicable, the statement change of registered office and/or agent, has been examined by me and is, to the best of my knowledge and belief, true, correct, and complete.

15. BY E. Finley

16. Pres.

17. June 19 99

IF THERE ARE NO CHANGES FROM THE PREVIOUS YEAR, AND YOU HAVE ALL CORPORATE REQUIREMENTS FILLED PERTAINING TO OFFICER AND DIRECTOR INFORMATION YOU MAY DETACH THE COUPON BELOW, AND RETURN IT IN THE ENCLOSED ENVELOPE WITH YOUR PAYMENT. YOU MAY KEEP THE ABOVE REPORT FOR YOUR RECORDS.

APPENDIX A

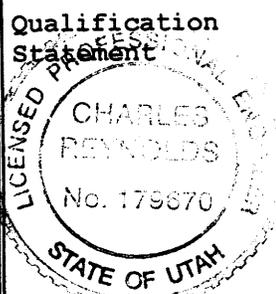
Certified Reports

Excess Spoil Piles
Refuse Piles
Impoundments

as required under R645-301-514

CONTENTS

Slurry Impoundments and Refuse Piles report.
Sediment Pond Annual Inspections

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Page 1 of 2	
Permit Number	ACT\007\011	Report Date	12/29/99
Mine Name	Hiawatha Complex		
Company Name	Hiawatha Coal Company, Inc.		
Impoundment Identification	Impoundment Name	Upper Rail Yard	
	Impoundment Number	D003	
	UPDES Permit Number	UT-0023094	
	MSHA ID Number	N/A	
IMPOUNDMENT INSPECTION			
Inspection Date	12/29/99		
Inspected By	Charles Reynolds, Jim Stoddard		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual/Quarterly		
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>The pond banks showed 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 = 0.60 ac-ft 60% cleanout elevation = 7,211.5 100% sediment storage elevation = 7,212.7 Existing sediment elevation = 7,210.5 (Average)</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Principle spillway elevation = 7,214.5 Emergency spillway elevation = 7,217.7</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 inlet and outlets appear in good condition. No discharges were reported during 1999. Musk thistle plants are present inside the sediment pond.</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 0.19 ac-ft. The existing storage capacity is 1.97 ac-ft, which is greater than the 0.76 ac-ft required.</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: 12-29-99

CERTIFIED REPORT

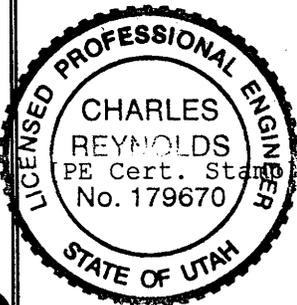
IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	X	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	X	
3. Has the impoundment met all applicable performance standards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

COMMENTS AND OTHER INFORMATION

Sediment level is approaching the 60% cleanout level (Approx 12" remaining). Pond should be evaluated for cleaning in 2000 following spring runoff.

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: 12-29-99

P.E. Number & State: 179670 Utah

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Page 1 of 2	
Permit Number	ACT\007\011	Report Date	12/29/99
Mine Name	Hiawatha Complex		
Company Name	Hiawatha Coal Company, Inc.		
Impoundment Identification	Impoundment Name	Sed. Pond N. of Slurry pond #1	
	Impoundment Number	D004	
	UPDES Permit Number	UT-0023094	
	MSHA ID Number	N/A	
IMPOUNDMENT INSPECTION			
Inspection Date	12/29/99		
Inspected By	Charles Reynolds		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual		
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>The pond banks showed 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 = 0.48 ac-ft 60% cleanout elevation = 7,087.8 100% sediment storage elevation = 7,089.1 Existing sediment elevation = 7,086.8</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Principle spillway elevation = 7,089.3 Emergency spillway elevation = 7,093.5</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 is dry. The inlet and outlets appear in good condition. No discharges were reported during 1999. Pond 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 0.16 ac-ft. The existing storage capacity is 1.52 ac-ft, which is greater than the 0.54 ac-ft required.</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>12-29-99</u></p>		

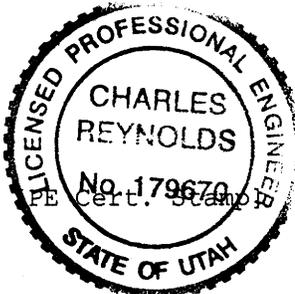
CERTIFIED REPORT

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

The sediment is approx. 12" below the 60% cleanout level. The sediment level should be monitored during the year 2000 to evaluate the need for cleaning.

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: 12-29-99

P.E. Number & State: 179670 Utah

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Page 1 of 2	
Permit Number	ACT\007\011	Report Date	12/29/99
Mine Name	Hiawatha Complex		
Company Name	Hiawatha Coal Company, Inc.		
Impoundment Identification	Impoundment Name	Sed. Pond E. of Slurry pond #4	
	Impoundment Number	D005	
	UPDES Permit Number	UT-0023094	
	MSHA ID Number	N/A	
IMPOUNDMENT INSPECTION			
Inspection Date	12/29/99		
Inspected By	Charles Reynolds		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual/Quarterly		
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>The pond showed 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 = 0.83 ac-ft 60% cleanout elevation = 7,039.4 100% sediment storage elevation = 7,040.5 Existing sediment elevation = 7,036.5</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Principle spillway elevation = 7,041.0 Emergency spillway elevation = 7,046.0</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 inlet and outlets appear in good condition. No discharges were reported during 1999.</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 0.02 ac-ft. The existing storage capacity is 3.18 ac-ft, which is greater than the 0.91 ac-ft required.</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>12-29-99</u></p>		

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)

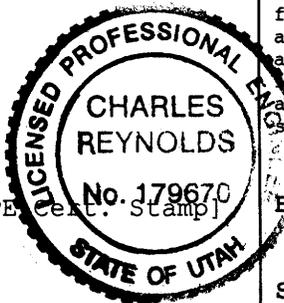
	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	X	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	X	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of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

COMMENTS AND OTHER INFORMATION

Pond has received very little new sediment in 1999. This sediment pond has been proposed for removal as part of the reclamation of Slurry Pond "4"

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.



[Professional Engineer Seal]

By: Charles Reynolds, Mining Engineer
 (Full Name and Title)
 Signature: Charles Reynolds Date: 12-29-99
 P.E. Number & State: 179670 Utah

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Page 1 of 2	
Permit Number	ACT\007\011	Report Date	12/29/99
Mine Name	Hiawatha Complex		
Company Name	Hiawatha Coal Company, Inc.		
Impoundment Identification	Impoundment Name	Sed. Pond NE. of Slurry pond #5	
	Impoundment Number	D006	
	UPDES Permit Number	UT-0023094	
	MSHA ID Number	N/A	
IMPOUNDMENT INSPECTION			
Inspection Date	12/29/99		
Inspected By	Charles Reynolds		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual/Quarterly		
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>The pond's bank showed 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 = 1.21 ac-ft 60% cleanout elevation = 6,990.0 100% sediment storage elevation = 6,991.1 Existing sediment elevation = 6,987.4</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Principle spillway elevation = 6,993.1 Emergency spillway elevation = 6,994.5</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 is dry. The inlet and outlets appear in good condition. No discharges were reported during 1999.</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 currently contains 0.04 sediment. The existing storage capacity is 2.96 ac-ft, which is greater than the 1.32 ac-ft required.</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: 12-29-99

CERTIFIED REPORT

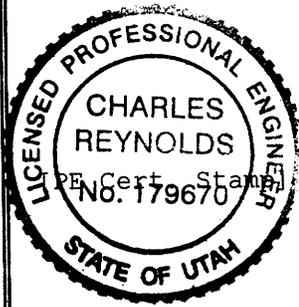
IMPOUNDMENT EVALUATION (If NO, explain under Comments)

	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

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: 12-29-99

P.E. Number & State: 179670 Utah

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Page 1 of 2	
Permit Number	ACT\007\011	Report Date	12/29/99
Mine Name	Hiawatha Complex		
Company Name	Hiawatha Coal Company, Inc.		
Impoundment Identification	Impoundment Name	Sed. Pond SE. of Slurry pond #5	
	Impoundment Number	D007	
	UPDES Permit Number	UT-0023094	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	12/29/99
Inspected By	Charles Reynolds
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual/Quarterly

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.
 The pond bank showed 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 = 0.68 ac-ft 60% cleanout elevation = 6,990.9 100% sediment storage elevation = 6,992.2 Existing sediment elevation = 6,989.9
	3. Principle and emergency spillway elevations. Principle spillway elevation = 6,992.5 Emergency spillway elevation = 6,998.0

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. The inlet and outlets appear in good condition. No discharges were reported during 1999.

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 currently contains 0.23 sediment. The existing storage capacity is 2.34 ac-ft, which is greater than the 0.74 ac-ft required.

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>12-29-99</u></p>
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CERTIFIED REPORT

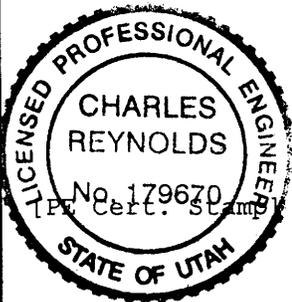
IMPOUNDMENT EVALUATION (If NO, explain under Comments)

	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 sediment level is approaching the 60% cleanout level (approx. 12 inches remaining). Pond should be evaluated following spring runoff in 2000 to determine the need for cleaning.

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: 12-29-99

P.E. Number & State: 179670 Utah

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Page 1 of 2	
Permit Number	ACT\007\011	Report Date	12/29/99
Mine Name	Hiawatha Complex		
Company Name	Hiawatha Coal Company, Inc.		
Impoundment Identification	Impoundment Name	Middle Fork Pond	
	Impoundment Number	D008	
	UPDES Permit Number	UT-0023094	
	MSHA ID Number	N/A	
IMPOUNDMENT INSPECTION			
Inspection Date	12/29/99		
Inspected By	Charles Reynolds		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual/Quarterly		
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>The pond banks showed 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 = 0.48 ac-ft 60% cleanout elevation = 8,034.8 100% sediment storage elevation = 8,036.1 Existing sediment elevation = 8,031.8</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Principle spillway elevation = 8,042.0 Emergency spillway elevation = 8,045.5</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 is covered with light snow in the bottom. The inlet and outlets appear in good condition. No discharges were reported during 1999.</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 currently contains 0.01 ac-ft of sediment. The existing storage capacity is 3.15 ac-ft, which is greater than the 0.92 ac-ft required.</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>12-29-99</u>

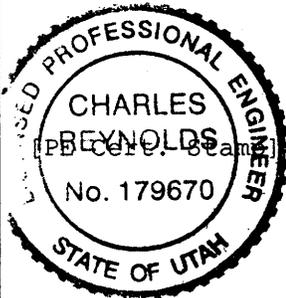
CERTIFIED REPORT

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

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: 12-29-99

P.E. Number & State: 179670 Utah

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		D009	Page 1 of 2
Permit Number	ACT\007\011	Report Date	12/29/99
Mine Name	Hiawatha Complex		
Company Name	Hiawatha Coal Company, Inc.		
Impoundment Identification	Impoundment Name	South Fork Mine Yard	
	Impoundment Number	D009	
	UPDES Permit Number	UT-0023094	
	MSHA ID Number	N/A	
IMPOUNDMENT INSPECTION			
Inspection Date	12/29/99		
Inspected By	Charles Reynolds		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual/Quarterly		
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>The pond banks showed 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 = 0.76 ac-ft 60% cleanout elevation = 7,902.2 100% sediment storage elevation = 7,903.5 Existing sediment elevation = 7,901.2</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Principle spillway elevation = 7,903.5 Emergency spillway elevation = 7,910.6</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 inches of snow in the bottom. The inlet and outlets appear in good condition. No discharges were reported during 1999.</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 currently contains 0.25 acre-ft of sediment. The existing storage capacity is 3.5 ac-ft, which is greater than the 2.99 ac-ft required.</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>12-29-99</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?

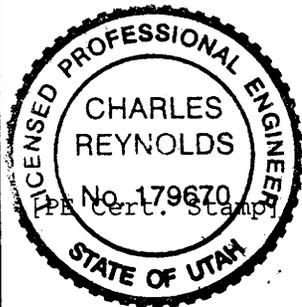
X

3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?

X

COMMENTS AND OTHER INFORMATION

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: 12-29-99

P.E. Number & State: 179670 Utah

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		D011	Page 1 of 2
Permit Number	ACT\007\011	Report Date	12/29/99
Mine Name	Hiawatha Complex		
Company Name	Hiawatha Coal Company, Inc.		
Impoundment Identification	Impoundment Name	South Fork Truck Loading Facility	
	Impoundment Number	D011	
	UPDES Permit Number	UT-0023094	
	MSHA ID Number	N/A	
IMPOUNDMENT INSPECTION			
Inspection Date	12/29/99		
Inspected By	Charles Reynolds		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual/Quarterly		
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>The pond banks showed 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 = 0.47 ac-ft 60% cleanout elevation = 7,712.3 100% sediment storage elevation = 7,714 Existing sediment elevation = 7,709.5</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Principle spillway elevation = 7,713 Emergency spillway elevation = 7,718.7</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 3.5 inches of snow in the bottom. The inlet and outlets appear in good condition. No discharges were reported during 1999.</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 currently contains sediment. The existing storage capacity is 0.76 ac-ft, which is greater than the 0.31 ac-ft required.</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>12-29-99</u>

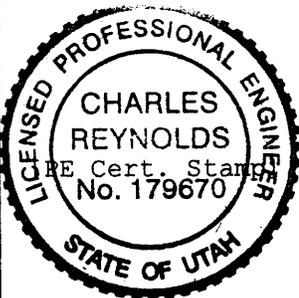
CERTIFIED REPORT

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

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: 12-29-99

P.E. Number & State: 179670 Utah

Permit Number	ACT/007/011	Report Date	12/29/99
Mine Name	Hiawatha Complex		
Company Name	Hiawatha Coal Company, Inc.		
Excess Spoil Pile or Refuse Pile Identification	Pile Name	Refuse Pile No. 1	
	Pile Number	1	
	MSHA ID Number	1211-UT-09-02157-04	
Inspection Date	12/29/99		
Inspected By	Charles Reynolds, Jim Stoddard		

Reason for Inspection <small>(Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)</small>	Annual
	Attachments to Report? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes

Field Evaluation

1. Foundation preparation, including the removal of all organic material and topsoil.
Pile remains inactive.

2. Placement of underdrains and protective filter systems.
N/A

3. Installation of final surface drainage systems.
N/A

4. Placement and compaction of fill materials.
No material has been added to the pile.

5. Final grading and revegetation of fill.

N/A

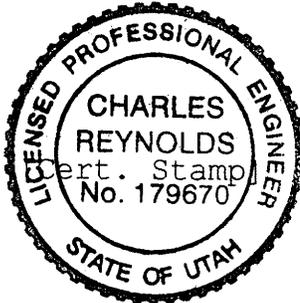
6. Appearances of instability, structural weakness, and other hazardous conditions.

No signs of embankment instability were observed. No fires have occurred.

7. Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse File structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period.

No changes have been made to the configuration of the pile.

Certification Statement



I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure 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.

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

Signature: Charles Reynolds Date: 12/29/99

P.E. Number & State: 179670 Utah

HIAWATHA COAL COMPANY

SLURRY IMPOUNDMENT REPORT - 1999

Slurry Impoundment No. 1 (1211-UT-09-02157-01)

No coal fines were recovered from the slurry impoundment No. 1 during 1999.

The surface elevation of the coal fines in the pond remains at elevation 7160 with an elevation of 7156 in the northeast portion of the pond. The embankment top remains at elevation 7175. No fires have occurred in the coal fines or construction material. There are no signs of instability.

Slurry Impoundment No. 5 (1211-UT-09-02157-03)

Main Cell

Topsoiling of the top of the main cell began in 1999. Approximately 2/3 of the area received topsoil. Reclamation of the main cell is anticipated to be completed in 2000.

North Cell

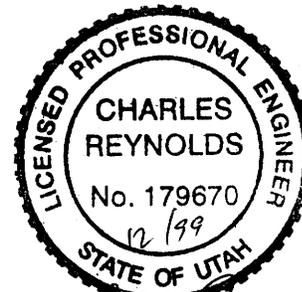
No slurry was added to or removed from the North Cell during 1999. No structural changes have been made to the outside embankment. The top of the outside embankment remains at elevation 7068. The coal fines remain at elevation 7055. There are no signs of instability and no fires have occurred.

Refuse Pile No. 1 (1211-UT-09-02157-04)

Refuse Pile No. 1 remains inactive. No changes have been made to its configuration. No fires occurred and no signs of embankment instability were observed.

Certification

To the best of my knowledge, the foregoing report regarding the impoundments and refuse piles is an accurate representation of both the work performed during 1997 and the current status of these structures.



Charles Reynolds

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

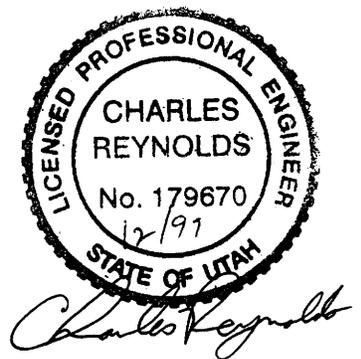
Subsidence Data

Raptor Survey Data

HIAWATHA COAL COMPANY
1999 HIAWATHA SUBSIDENCE STUDY

USING 1999 REVISED CONTROL.

POINT	1988			1999	POINT
	EASTING	NORTHING	ELEVATION	DIFFERENCE	
300	-16154.84	9455.11	9145.11	-0.28	300
301	-19121.40	10685.80	9834.34	-0.03	301
302	-19176.66	10300.36	9820.79	-0.06	302
303	-18869.55	10206.93	9700.41	-0.03	303
304	-18581.16	10303.30	9654.68	-0.04	304
305	-18086.90	10234.14	9506.03	-0.03	305
306	-17709.62	10335.41	9565.75	-0.03	306
307	-17396.10	10215.50	9578.39	-0.02	307
308	-17026.66	10492.97	9421.05	-0.04	308
309	-16470.35	10432.95	9107.78	-0.03	309
310	-16010.35	10379.94	8892.65	-0.03	310
311	-15534.21	10214.41	9658.30	-0.04	311
312	-15030.33	10279.77	8555.36	0	312
313	-19120.12	10030.57	9726.40	-0.21	313
314	-19064.92	9847.59	9637.45	-0.18	314
315	-18832.57	9843.37	9572.86	-0.14	315
316	-18533.11	9941.48	9495.16	-0.11	316
317	-18093.74	9870.18	9353.92	-0.07	317
318	-17723.09	9760.03	9359.17	-0.05	318
319	-17264.45	9925.78	9502.48	-0.05	319
320	-17237.77	9502.10	9325.44	-0.04	320
321	-17042.88	9835.38	9468.03	-0.04	321
322	-16862.99	9375.28	9410.64	-0.03	322
323	-16407.90	9639.15	9323.66	-0.02	323
324	-16022.32	9703.75	8994.83	-0.02	324
325	-15799.88	9592.11	8894.32	-0.07	325
326	-15439.19	9670.87	8702.31	-0.03	326
327	-14529.15	9520.17	9629.18	-0.09	327
328	-14098.14	9468.10	8680.60	-0.06	328
329	-13724.83	9466.06	9644.11	-0.13	329
331	-19057.04	9390.63	9480.81	-0.3	331
332	-18770.99	9358.94	9450.32	-0.21	332
333	-18429.55	9256.83	9293.85	-0.39	333
334	-17992.74	9296.12	9004.63	-0.35	334
335	-17505.63	9482.54	9272.66	-0.12	335
336	-17290.22	8829.29	8940.62	-0.27	336



337	-17042.45	9167.67	9216.47	-0.14	337
338	-16634.56	8974.17	9327.09	-0.34	338
339	-16314.62	9041.05	9307.09	-0.38	339
340	-16079.12	9068.77	9303.68	-0.57	340
341	-15915.27	9013.40	9190.97	-0.06	341
342	-15592.65	8946.68	9109.82	-0.12	342
343	-15148.10	8843.97	9083.49	-0.17	343
344	-14876.36	8741.88	9076.67	-0.19	344
345	-14506.67	8799.79	9019.29	-0.15	345
346	-14038.53	8845.22	8830.35	-0.08	346
347	-13740.43	8785.27	8694.09	-0.24	347
348	-13309.51	8655.70	8500.94	-0.17	348
349	-19032.93	8822.29	9267.53	-0.43	349
350	-18890.63	8447.55	9009.19	-0.31	350
351	-19344.28	8372.53	9011.03	-0.37	351
352	-19439.16	7927.91	9252.92	-0.52	352
353	-18801.99	7864.43	8831.27	-0.24	353
354	-18818.43	7465.64	8863.47	-0.2	354
355	-19385.66	7463.43	9253.96	-0.24	355
356	-19380.47	7271.07	9182.23	-0.22	356
357	-19063.20	6496.12	9430.72	-0.04	357
358	-19224.35	6288.24	9473.18	-0.04	358
359	-19198.78	5878.10	9389.51	-0.01	359
360	-18883.64	5414.38	9434.91	-0.11	360
361	-19002.72	5175.54	9524.31	-0.59	361
362	-18941.90	4764.81	9554.81	-0.64	362
363	-18853.51	3778.42	9634.85	-0.01	363
364	-19168.25	3300.66	9776.17	-0.1	364
365	-19130.53	3130.86	9769.47	-0.43	365
366	-19053.54	2638.47	9737.63	-0.02	366
367	-18969.16	2264.18	9728.72	-0.01	367
368	-18935.45	1853.96	9723.52	-0.37	368
369	-20166.08	9321.90	9568.12	-0.04	369
370	-19829.94	9318.36	9647.95	-0.06	370
371	-21680.93	9106.98	9826.20	-0.62	371
372	-21298.94	9057.08	9817.95	-0.3	372
373	-20819.75	8986.88	9753.99	-0.48	373
374	-20367.54	9121.52	9580.42	-0.12	374
375	-20036.82	8969.18	9459.61	-0.65	375
376	-19815.99	8907.58	9469.49	-0.2	376
377	-19490.49	9064.17	9436.42	-0.17	377
378	-21666.05	8764.28	9801.68	0	378
379	-21356.45	8757.05	9813.42	-0.25	379

380	-20916.70	8591.22	9783.38	-0.38	380
381	-20318.90	8603.66	9604.82	-1.12	381
382	-20069.16	8380.79	9531.26	-0.15	382
383	-19859.97	8756.37	9383.86	-0.06	383
384	-19459.87	8502.21	9136.19	-0.47	384
385	-21704.69	8452.24	9791.02	-0.02	385
386	-21286.26	8301.75	9845.03	-0.13	386
387	-20935.16	8329.74	9807.50	-0.26	387
388	-20678.22	8266.42	9743.60	-0.46	388
389	-20436.99	8163.26	9686.01	-0.38	389
390	-20045.44	8071.42	9563.40	-0.18	390
391	-19591.36	7908.10	9329.55	-0.64	391
392	-20940.17	8042.87	9830.37	-0.2	392
393	-20514.77	7860.31	9765.70	-0.62	393
394	-20298.03	7698.64	9712.00	-0.69	394
395	-19343.99	7458.34	9226.76	-0.47	395
396	-20545.28	7554.42	9819.35	-0.39	396
397	-20715.05	7300.77	9871.54	-0.01	397
398	-20203.05	7270.05	9630.36	-0.17	398
399	-18623.10	8438.53	8962.70	-0.02	399
400	-18300.56	8438.86	8935.10	-0.08	400
401	-18085.67	8396.12	8872.62	-0.03	401
402	-17712.05	8476.90	8659.57	-0.3	402
403	-17465.94	8461.25	8713.42	-0.05	403
404	-17162.72	8423.47	8801.87	-0.17	404
405	-16856.16	8485.74	8941.97	-1.19	405
406	-16533.80	8458.64	8995.07	-0.81	406
407	-16223.30	8454.41	9084.35	-0.61	407
408	-15915.85	8443.88	8937.60	-1.25	408
409	-15606.06	8430.98	8867.10	-1.62	409
410	-15291.41	8442.89	8872.42	-1.04	410
411	-15000.03	8436.97	8899.24	-2.16	411
412	-14697.00	8451.37	8974.20	-1.01	412

NOTE 1: As in the prior reports, 1988 elevations for points 349 to 368 are using the revised values to reflect better information. This standing revision is in accordance with our prior discussions on the subject.

NOTE 2: All areas were walked in August, 1999, during the control survey. No significant changes to the surface or new fracturing was noted during the 1999 survey.