

CROW BUTTE RESOURCES, INC.

86 Crow Butte Road
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(308) 665-2215
(308) 665-2341 – FAX

June 1, 2006

Mr. Gary Janosko, Branch Chief
Fuel Cycle Licensing Branch, FCSS
c/o Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Re: Source Material License SUA-1534
Docket No. 40-8943 Amendment No. 20
Evaporation Pond 4 Liner Leak

Dear Mr. Janosko:

On May 5, 2006 during routine evaporation pond monitoring of Crow Butte Resources, Inc. (CBR) Evaporation Pond 4, conductivity readings from the north middle, northeast, south middle and southeast underdrains indicated a potential pond liner leak. As required by License Condition 11.4 of SUA-1534, a sample was collected from the underdrains and analyzed for chloride, alkalinity, conductivity, sodium, and sulfate. The results of these samples indicated that the concentration of the indicator analytes in the underdrains were similar to the pond contents. Based upon these results, it was determined that a liner leak potentially existed along the east side of Pond 4.

Mr. Stephen Cohen, Program Manager was notified by e-mail at 1632 MDT on May 5, 2006 of the liner leak. As required by License Condition 12.3, this report is submitted within 30 days of discovery of a liner leak and discusses analytical data, mitigative actions, and the results of those actions.

Upon confirmation of a liner leak, CBR began weekly sampling of the north middle, northeast, south middle and southeast underdrains and analysis for alkalinity, chloride, sodium, conductivity, and sulfate. Attachment 1 contains copies of the Weekly Evaporation Pond Underdrain Analysis forms and the analytical results from the CBR laboratory. Samples were obtained on May 5, 11, 18 and 25, 2006.

In addition to weekly analysis for the underdrain, CBR obtained a non-routine sample from pond monitor well CPM-1 and CPM-2. CPM-1 and CPM-2 are completed in the first aquifer and are located downgradient of Pond 4 at the fenced restricted area boundary. The samples were obtained and analyzed for the indicator analytes on May 8, 15, and 23, 2006 to ensure that there was no indication of leakage in the secondary liner. Analytical results were consistent with historical

Nm5501



Mr. Gary Janosko
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sampling results and are contained in Attachment 2.

Upon confirmation of the liner leak on May 5, CBR began to lower the level of Pond 4 by pumping water to Pond 3. Concurrently, an immediate visual inspection of the liner along the east side of the pond was performed. During the initial inspection no areas for potential leakage were identified.

The contents of Pond 4 were transferred to Pond 3 from May 5 to May 8, 2006 until the water level was reduced from 6 feet 4 inches to 6 feet 2 inches. A complete visual inspection was repeated, paying particular attention to the waterline. Again, no apparent sources of leaks were identified.

From May 11, through May 19, 2006 the contents of Pond 4 were transferred to Pond 1 until the water level was reduced from 6 feet 2 inches to 5 feet 3 inches. During daily visual inspection of the liner a poorly welded patch was identified near the northeast corner along with two smaller tears in the southeast corner. The damaged areas are at about the 5 foot 6 inch level.

An inspection of the patch indicated a failure where the extrusion weld did not overlap the edge of the patch onto the liner surface sufficiently to bond the patch to the liner. This resulted in a "cold weld" of approximately 5 inches in length. With liner flex, the cold weld area opened to allow pond wave action to push high conductivity water under the patch. A 15-inch tear in the liner that the patch had been designed to seal allowed the contaminated water into the annulus area of the lower liner, affecting the underdrain water quality. The tears appear to be caused by the liner flexing.

Temporary repairs were made by "cold welding" a piece of 60-mil high-density polyethylene (HDPE) over the damaged areas.

Colorado Liners have been contacted and have indicated they will be onsite the week of June 12, 2006 to extrusion weld the damaged areas. All patches in the affected area will be vacuum tested for integrity.

CBR is currently pumping the affected underdrains dry. When this is completed, clean water will be added to flush the underdrains. The underdrains will be pumped dry and allowed to refill. When this process is completed, a sample will be obtained and analyzed for the indicator analytes. If the concentrations remain elevated in the underdrains, the pond level will be lowered and inspections will be performed to determine whether there are other areas of potential liner leakage.

Attachment 3 contains copies of the Commercial Pond Inspection Forms for the period of April 30 to May 27, 2006. Weekly analysis of the underdrain contents will be continued in accordance with SUA-1534 until CBR is sure that all leaks have been located and repaired.

CROW BUTTE RESOURCES, INC.



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If you have any questions or require any further information, please do not hesitate to call me at (308) 665-2215 ext 114.

Sincerely,
CROW BUTTE RESOURCES, INC.

A handwritten signature in cursive script that reads "Larry Teahon". The signature is fluid and appears to be written in ink.

Larry Teahon
Environmental Coordinator

Enclosures: As Stated

cc: U.S. Nuclear Regulatory Commission
Mr. Stephen J. Cohen – ADDRESSEE ONLY
Fuel Cycle Licensing Branch
Mail Stop T-8A33
Washington, DC 20555

Mr. Steve Collings - CBR, Denver



Attachment 1

Pond 4 Underdrain Analysis

5-May-06

SM/LG

	<u>Alk</u> mg/L	<u>Cl</u> mg/L	<u>Cond</u> µmhos	<u>SO₄</u> mg/L	<u>Na</u> mg/L
Pond #4 NE	4400	75,844	162,000	9486	54,672
Pond #4 NM	810	12,842	36,500	1554	9362
Pond Contents #4	3250	48,264	115,800	4815	34,974
Pond #4 SM	3800	69,208	149,100	7540	46,330
Pond # 4 SE	3000	55,159	125,700	6465	38,190

11-May-06

SMLG/TD

	<u>Alk</u> mg/L	<u>Cl</u> mg/L	<u>Cond</u> µmhos	<u>SO₄</u> mg/L	<u>Na</u> mg/L
Pond #4 NE	3600	68,604	147,200	8177	47,527
Pond #4 NM	4000	66,191	148,100	8023	47,493
Pond #4 SM	3500	66,191	142,300	7760	43,361
Pond # 4 SE	3200	59,641	130,700	7003	39,798

18-May-06

SMLG/TD

	<u>Alk</u> mg/L	<u>Cl</u> mg/L	<u>Cond</u> µmhos	<u>SO₄</u> mg/L	<u>Na</u> mg/L
Pond #4 NE	4025	72,396	158,500	9232	50,426
Pond #4 NM	4000	68,949	151,700	8453	50,572
Pond #4 SM	3900	67,570	150,000	7789	47,052
Pond # 4 SE	2500	49,299	119,400	6013	35,363

25-May-06

SMLG/TD

	<u>Alk</u> mg/L	<u>Cl</u> mg/L	<u>Cond</u> µmhos	<u>SO₄</u> mg/L	<u>Na</u> mg/L
Pond #4 NE	4300	75,844	160,400	10,119	51,080
Pond #4 NM	4200	70,328	151,400	10,119	48,612
Pond #4 SM	4050	71,707	149,200	9243	47,923
Pond # 4 SE	2350	52,401	119,000	6306	35,280

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CROW BUTTE PROJECT
WEEKLY EVAPORATION POND UNDERDRAIN ANALYSIS

COMMERCIAL PONDS		UNDERDRAIN WATER DEPTH-INCHES	INSTRUMENT READING	TEMPERATURE °C	TEMPERATURE CORRECTION	CONDUCTIVITY umhos/cm	LAB MEASUREMENT
N O R T H P O N D 1	POND CONTENTS	8' 11"					
	N.E. UNDERDRAIN	1					
	N.M. UNDERDRAIN	0					
	N.W. UNDERDRAIN	5					
	S.E. UNDERDRAIN	1					
	S.M. UNDERDRAIN	0					
	S.W. UNDERDRAIN	5					
S O U T H P O N D 3	POND CONTENTS	11' 3"					
	N.E. UNDERDRAIN	5					
	N.M. UNDERDRAIN	7	2200	7	1.54	3388	
	N.W. UNDERDRAIN	7	1900	7	1.54	2920	
	S.E. UNDERDRAIN	0					
	S.M. UNDERDRAIN	5					
	S.W. UNDERDRAIN	5					
P O N D N U M B E R 4	POND CONTENTS	6' 4"					
	N.E. UNDERDRAIN	15	2900	6	1.58	4582	
	N.M. UNDERDRAIN	?	2300	6	1.58	3634	
	N.W. UNDERDRAIN	8	5000	6	1.58	7900	
	S.E. UNDERDRAIN	12	6000	6	1.58	9240	
	S.M. UNDERDRAIN	0	5000				
	S.W. UNDERDRAIN	0					

DATE: 5-4-06

ACTION LIMIT EXCEEDED? _____

SAMPLER/ANALYST: Mass

REMARKS:

R & D Ponds
East 5' 6"

West 6' 5"

Rev 0:

* ALL MEASUREMENTS WERE RE-CHECKED
ON 5/5/06.

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CROW L. TE PROJECT
WEEKLY EVAPORATION POND UNDERDRAIN ANALYSIS

COMMERCIAL PONDS		UNDERDRAIN WATER DEPTH-INCHES	INSTRUMENT READING	TEMPERATURE -C	TEMPERATURE CORRECTION	CONDUCTIVITY umhos/cm	LAB MEASUREMENT
N O R T H P O N D 1	POND CONTENTS	8'11"					
	N.E. UNDERDRAIN	1"					
	N.M. UNDERDRAIN	0"					
	N.W. UNDERDRAIN	5"					
	S.E. UNDERDRAIN	1"					
	S.M. UNDERDRAIN	0"					
	S.W. UNDERDRAIN	5"					
S O U T H P O N D 3	POND CONTENTS	11'3"					
	N.E. UNDERDRAIN	5"					
	N.M. UNDERDRAIN	7"	2200	10	1.41	3,102	
	N.W. UNDERDRAIN	7"	1900	10	1.41	2,679	
	S.E. UNDERDRAIN	0"					
	S.M. UNDERDRAIN	5"					
	S.W. UNDERDRAIN	5"					
P O N D N U M B E R 4	POND CONTENTS	6'4"					
	N.E. UNDERDRAIN	3' (36")	50,000 ⁺				162,000
	N.M. UNDERDRAIN	3' (36")	50,000 ⁺				36,500
	N.W. UNDERDRAIN	8"	7,000	10	1.41	9,870	
	S.E. UNDERDRAIN	20"	50,000 ⁺				125,700
	S.M. UNDERDRAIN	3'3" (39")	50,000 ⁺				149,100
	S.W. UNDERDRAIN	0"					

DATE: 5/5/06

ACTION LIMIT EXCEEDED? _____

SAMPLER/ANALYST: BB/LT

REMARKS: COLLECTED LAB SAMPLES FROM NM, NE, SM & SE ON POND #4. STARTED TRANSFERRING CONTENT OF POND 4 TO POND #3. NOTIFIED NDEQ, NRC & CAMECO.

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CROW BUTTE PROJECT
WEEKLY EVAPORATION POND UNDERDRAIN ANALYSIS

COMMERCIAL PONDS		UNDERDRAIN WATER DEPTH-INCHES	INSTRUMENT READING	TEMPERATURE °C	TEMPERATURE CORRECTION	CONDUCTIVITY umhos/cm	LAB MEASUREMENT
N O R T H P O N D 1	POND CONTENTS	8'8"					
	N.E. UNDERDRAIN	1					
	N.M. UNDERDRAIN	0					
	N.W. UNDERDRAIN	5					
	S.E. UNDERDRAIN	1					
	S.M. UNDERDRAIN	0					
	S.W. UNDERDRAIN	5					
S O U T H P O N D 3	POND CONTENTS	11'3"					
	N.E. UNDERDRAIN	5					
	N.M. UNDERDRAIN	8	2300	10	1.41	3243	
	N.W. UNDERDRAIN	7	1600	10	1.41	2256	
	S.E. UNDERDRAIN	0					
	S.M. UNDERDRAIN	5					
	S.W. UNDERDRAIN	6	480	10	1.41	677	
P O N D N U M B E R 4	POND CONTENTS	6'1"					
	N.E. UNDERDRAIN	3'2"	50,000 +				147,200
	N.M. UNDERDRAIN	4'5" x	50,000 +				148,100
	N.W. UNDERDRAIN	7"	6000	10	1.41	8460	
	S.E. UNDERDRAIN	6'11" x	50,000 +				130,700
	S.M. UNDERDRAIN	3'5"	50,000 +				142,300
	S.W. UNDERDRAIN	0					

DATE: 5-11-06

ACTION LIMIT EXCEEDED? _____

SAMPLER/ANALYST: Tehov/Bass

REMARKS: R+D Ponds
East 6'4"
West 5'5"

CROW BUTTE PROJECT
WEEKLY EVAPORATION POND UNDERDRAIN ANALYSIS

COMMERCIAL PONDS		UNDERDRAIN WATER DEPTH-INCHES	INSTRUMENT READING	TEMPERATURE °C	TEMPERATURE CORRECTION	CONDUCTIVITY umhos/cm	LAB MEASUREMENT
N O R T H P O N D 1	POND CONTENTS	9'4"					
	N.E. UNDERDRAIN	1					
	N.M. UNDERDRAIN	0					
	N.W. UNDERDRAIN	5					
	S.E. UNDERDRAIN	1					
	S.M. UNDERDRAIN	0					
	S.W. UNDERDRAIN	6	14000	10	1.41	19740	
S O U T H P O N D 3	POND CONTENTS	11'3"					
	N.E. UNDERDRAIN	5					
	N.M. UNDERDRAIN	8	26000	10	1.41	36,660	
	N.W. UNDERDRAIN	6	16000	10	1.41	22,560	
	S.E. UNDERDRAIN	0					
	S.M. UNDERDRAIN	5					
	S.W. UNDERDRAIN	7	550	10	1.41	776	
P O N D N U M B E R 4	POND CONTENTS	5'5"					
	N.E. UNDERDRAIN	3'	50,000	10	1.41	70,500	158,500
	N.M. UNDERDRAIN	4'3"	50,000	10	1.41	70,500	151,700
	N.W. UNDERDRAIN	7	6000	10	1.41	8460	
	S.E. UNDERDRAIN	1'10"	50,000	10	1.41	70,500	119,400
	S.M. UNDERDRAIN	3'4"	50,000	10	1.41	70,500	150,000
	S.W. UNDERDRAIN	0					

DATE: 5-18-06

ACTION LIMIT EXCEEDED? _____

SAMPLER/ANALYST: BB/LT

REMARKS:

R + D Ponds
E 6'4"
W 5'5"

CROW L. TE PROJECT
WEEKLY EVAPORATION POND UNDERDRAIN ANALYSIS

COMMERCIAL PONDS		UNDERDRAIN WATER DEPTH-INCHES	INSTRUMENT READING	TEMPERATURE -C	TEMPERATURE CORRECTION	CONDUCTIVITY umhos/cm	LAB MEASUREMENT
POND 1	POND CONTENTS	9'4"					
	N.E. UNDERDRAIN	1					
	N.M. UNDERDRAIN	0					
	N.W. UNDERDRAIN	5					
	S.E. UNDERDRAIN	1					
	S.M. UNDERDRAIN	0					
	S.W. UNDERDRAIN	6	14,000	11	1.37	19,180	
POND 2	POND CONTENTS	11'2"					
	N.E. UNDERDRAIN	5					
	N.M. UNDERDRAIN	8	3,000	11	1.37	4110	
	N.W. UNDERDRAIN	6	1,900	11	1.37	2603	
	S.E. UNDERDRAIN	0					
	S.M. UNDERDRAIN	5					
	S.W. UNDERDRAIN	5	480	11	1.37	657	
POND 3	POND CONTENTS	5'3"					
	N.E. UNDERDRAIN	2'7"	50,000 ⁺	11	1.37	68,500	160,400
	N.M. UNDERDRAIN	4'2"	50,000 ⁺	11	1.37	68,500	151,400
	N.W. UNDERDRAIN	7"	8,000	11	1.37	10,960	
	S.E. UNDERDRAIN	21"	50,000 ⁺	11	1.37	68,500	119,000
	S.M. UNDERDRAIN	3'4"	50,000 ⁺	11	1.37	68,500	149,200
	S.W. UNDERDRAIN						

DATE: 5/25/06

REMARKS: R & D E = 6'3"
W = 5'4"

ACTION LIMIT EXCEEDED? _____

SAMPLER/ANALYST: T.H.G.

MONTHLY INSPECTION



Attachment 2

Pond Monitor Well CPM-1 and CPM-2 Analysis

8-May-06

SMLT/TD

	<u>Alk</u> mg/L	<u>Cl</u> mg/L	<u>Cond</u> umhos	<u>SO₄</u> mg/L	<u>Na</u> mg/L
Commercial Pond Monitor #1	195	3.1	430	12	14
Commercial Pond Monitor #2	188	5.2	420	13	13

15-May-06

SM/LT/TD

	<u>Alk</u> mg/L	<u>Cl</u> mg/L	<u>Cond</u> umhos	<u>SO₄</u> mg/L	<u>Na</u> mg/L
Commercial Pond Monitor #1	195	2.7	430	13	15
Commercial Pond Monitor #2	180	4.4	420	14	11

23-May-06

SM/TD

	<u>Alk</u> mg/L	<u>Cl</u> mg/L	<u>Cond</u> umhos	<u>SO₄</u> mg/L	<u>Na</u> mg/L
Commercial Pond Monitor #1	198	3.8	430	14	14
Commercial Pond Monitor #2	180	5.4	420	15	14



Attachment 3

Commercial Pond Inspection Forms

CROW BUTTE MINE

COMMERCIAL POND INSPECTION FORM

For The Week Of 4-30-06 through 5-06-06

CHECK ACCORDINGLY: √=OK X=NEEDS ATTENTION OR REPAIRS.

LOCATION	FREQUENCY	SUN	MON	TUE	WED	THU	FRI	SAT
POND 1-DEPTH	Daily	8'11"	8'11"	8'11"	8'11"	8'11"	8'11"	8'9"
EMBANKMENTS	Daily	✓	✓	✓	✓	✓	✓	✓
N.E. UNDERDRAIN	Weekly					1		
N.M. UNDERDRAIN	Weekly					0		
N.W. UNDERDRAIN	Weekly					5		
S.E. UNDERDRAIN	Weekly					1		
S.M. UNDERDRAIN	Weekly					0		
S.W. UNDERDRAIN	Weekly					5		
POND 3-DEPTH	Daily	11'3"	11'2"	11'2"	11'2"	11'3"	11'3"	11'2"
EMBANKMENTS	Daily	✓	✓	✓	✓	✓	✓	✓
N.E. UNDERDRAIN	Weekly					5		
N.M. UNDERDRAIN	Weekly					7		
N.W. UNDERDRAIN	Weekly					7		
S.E. UNDERDRAIN	Weekly					0		
S.M. UNDERDRAIN	Weekly					5		
S.W. UNDERDRAIN	Weekly					5		
POND 4-DEPTH	Daily	6'3"	6'4"	6'5"	6'5"	6'4"	6'5"	6'4"
EMBANKMENTS	Daily	✓	✓	✓	✓	✓	✓	✓
N.E. UNDERDRAIN	Weekly					3'0"		3'2"
N.M. UNDERDRAIN	Weekly					3'0"		4'4"
N.W. UNDERDRAIN	Weekly					8		
S.E. UNDERDRAIN	Weekly					18"		1'8"
S.M. UNDERDRAIN	Weekly					36"		3'6"
S.W. UNDERDRAIN	Weekly					0		
INSPECTED INLET PIPING	Weekly					✓		
PERIMETER FENCE	Weekly					✓		
INSPECTED LINERS	Weekly					✓		
INSPECTED DIVERSION DITCHES	Monthly							
INSPECTED WASTE PIPELINE	Monthly							
OTHER (EXPLAIN BELOW)								
INSPECTOR INITIAL HERE ▶		EVANS	Von	von Ford	von Ford	BASS	von Ford	TEAHON

COMMENTS:

5/5/06 - TOOK WATER samples from NM, NE, SM, & SE Underdrains on Pond #4.

CROW BUTTE MINE

COMMERCIAL POND INSPECTION FORM

For The Week Of 05-07-06 through 05-13-06CHECK ACCORDINGLY: ☒=OK ☐=X=NEEDS ATTENTION OR REPAIRS

LOCATION	FREQUENCY	SUN	MON	TUE	WED	THU	FRI	SAT
POND 1-DEPTH	Daily	8'9"	8'9"	8'9"	8'9"	8'8"	8'8"	8'9"
EMBANKMENTS	Daily	✓	✓	✓	✓	✓	✓	✓
N.E. UNDERDRAIN	Weekly					1		
N.M. UNDERDRAIN	Weekly					0		
N.W. UNDERDRAIN	Weekly					5		
S.E. UNDERDRAIN	Weekly					1		
S.M. UNDERDRAIN	Weekly					0		
S.W. UNDERDRAIN	Weekly					5		
POND 3-DEPTH	Daily	11'2"	11'3"	11'3"	11'3"	11'3"	11'3"	11'3"
EMBANKMENTS	Daily	✓	✓	✓	✓	✓	✓	✓
N.E. UNDERDRAIN	Weekly					5		
N.M. UNDERDRAIN	Weekly					8		
N.W. UNDERDRAIN	Weekly					7		
S.E. UNDERDRAIN	Weekly					0		
S.M. UNDERDRAIN	Weekly					5		
S.W. UNDERDRAIN	Weekly					6		
POND 4-DEPTH	Daily	6'4"	6'3"	6'3"	6'2"	6'1"	6'0"	5'11"
EMBANKMENTS	Daily	✓	✓	✓	✓	✓	✓	✓
N.E. UNDERDRAIN	Weekly	3'3"	3'3"	3'3"		3'2"		2'11"
N.M. UNDERDRAIN	Weekly	4'5"	4'3 1/2"	4'3 1/2"		4'5"		4'3 1/2"
N.W. UNDERDRAIN	Weekly					7"		
S.E. UNDERDRAIN	Weekly	1'7"	1'9"	1'11"		6'11"		6'11"
S.M. UNDERDRAIN	Weekly	3'5"	3'5"	3'6"		3'5"		3'5"
S.W. UNDERDRAIN	Weekly					0		
INSPECTED INLET PIPING	Weekly					✓		
PERIMETER FENCE	Weekly					✓		
INSPECTED LINERS	Weekly					✓		
INSPECTED DIVERSION DITCHES	Monthly							
INSPECTED WASTE PIPELINE	Monthly							
OTHER (EXPLAIN BELOW)								
INSPECTOR INITIAL HERE ▶		Valko	Kose	Uog	vanFayll	Tenney	vanFayll	vanFayll
COMMENTS:								

CROW BUTTE MINE

COMMERCIAL POND INSPECTION FORM

For The Week Of 5-14-06 through 5-20-06CHECK ACCORDINGLY: \checkmark =OK X=NEEDS ATTENTION OR REPAIRS

LOCATION	FREQUENCY	SUN	MON	TUE	WED	THU	FRI	SAT
POND 1-DEPTH	Daily	9'	9'	9'3"	9'3"	9'4"	9'5"	9'5"
EMBANKMENTS	Daily	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
N.E. UNDERDRAIN	Weekly					1		
N.M. UNDERDRAIN	Weekly					0		
N.W. UNDERDRAIN	Weekly					5		
S.E. UNDERDRAIN	Weekly					1		
S.M. UNDERDRAIN	Weekly					0		
S.W. UNDERDRAIN	Weekly					6		
POND 3-DEPTH	Daily	11'3"	11'2"	11'2"	11'2"	11'3"	11'3"	11'3"
EMBANKMENTS	Daily	\checkmark	\checkmark *	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
N.E. UNDERDRAIN	Weekly					5		
N.M. UNDERDRAIN	Weekly					8		
N.W. UNDERDRAIN	Weekly					6		
S.E. UNDERDRAIN	Weekly					0		
S.M. UNDERDRAIN	Weekly					5		
S.W. UNDERDRAIN	Weekly					7		
POND 4-DEPTH	Daily	6'0"	5'8"	5'6"	5'6"	5'5"	5'3"	5'3"
EMBANKMENTS	Daily	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
N.E. UNDERDRAIN	Weekly					3'		
N.M. UNDERDRAIN	Weekly					4'3"		
N.W. UNDERDRAIN	Weekly					7"		
S.E. UNDERDRAIN	Weekly					1'10"		
S.M. UNDERDRAIN	Weekly					3'4"		
S.W. UNDERDRAIN	Weekly					0		
INSPECTED INLET PIPING	Weekly					\checkmark		
PERIMETER FENCE	Weekly					\checkmark		
INSPECTED LINERS	Weekly					\checkmark		
INSPECTED DIVERSION DITCHES	Monthly							
INSPECTED WASTE PIPELINE	Monthly							
OTHER (EXPLAIN BELOW)								
INSPECTOR INITIAL HERE ▶		Koley	Koley	Koley	Koley	Doss Tenn	Hunter	Roberts

COMMENTS: South Bank has A white Film Pond 3 5-15-06

CROW BUTTE MINE

COMMERCIAL POND INSPECTION FORM

For The Week Of 5/21/06 through 5/27/06CHECK ACCORDINGLY: \checkmark =OK X=NEEDS ATTENTION OR REPAIRS

LOCATION	FREQUENCY	SUN	MON	TUE	WED	THU	FRI	SAT
POND 1-DEPTH	Daily	9'5"	X	9'5"	9'4"	9'4"	9'4"	9'4"
EMBANKMENTS	Daily	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
N.E. UNDERDRAIN	Weekly					1		
N.M. UNDERDRAIN	Weekly					0		
N.W. UNDERDRAIN	Weekly					5		
S.E. UNDERDRAIN	Weekly					1		
S.M. UNDERDRAIN	Weekly					0		
S.W. UNDERDRAIN	Weekly					6		
POND 3-DEPTH	Daily	11'3"	11'3"	11'2"	11'3"	11'2"	11'2"	11'2"
EMBANKMENTS	Daily	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
N.E. UNDERDRAIN	Weekly					5		
N.M. UNDERDRAIN	Weekly					8		
N.W. UNDERDRAIN	Weekly					6		
S.E. UNDERDRAIN	Weekly					0		
S.M. UNDERDRAIN	Weekly					5		
S.W. UNDERDRAIN	Weekly					5		
POND 4-DEPTH	Daily	5'3"	X	5'2"	5'3"	5'3"	5'3"	5'3"
EMBANKMENTS	Daily	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
N.E. UNDERDRAIN	Weekly					2'7"		
N.M. UNDERDRAIN	Weekly					4'2"		
N.W. UNDERDRAIN	Weekly					7		
S.E. UNDERDRAIN	Weekly					21		
S.M. UNDERDRAIN	Weekly					3'4"		
S.W. UNDERDRAIN	Weekly					0		
INSPECTED INLET PIPING	Weekly					\checkmark		
PERIMETER FENCE	Weekly					\checkmark		
INSPECTED LINERS	Weekly					\checkmark		
INSPECTED DIVERSION DITCHES	Monthly					\checkmark		
INSPECTED WASTE PIPELINE	Monthly					\checkmark		
OTHER (EXPLAIN BELOW)								
INSPECTOR INITIAL HERE ▶		Robert Kote	Kote	Kote	Kote	Larry Edmeier	Edmeier	

COMMENTS: 5-21-06 Windy

R&D E = 6'3"
W = 5'4"