

CROW BUTTE RESOURCES, INC.

86 Crow Butte Road
P.O. Box 169
Crawford, Nebraska 69339-0169



(308) 665-2215
(308) 665-2341 – FAX

May 25, 2001

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

Subject: Source Materials License SUA-1534
Docket No. 40-8943
Evaporation Pond 1 Liner Leak

Dear Mr. Ting:

On April 26, 2001 during routine evaporation pond monitoring of Crow Butte Resources, Inc. (CBR) Evaporation Pond 1, CBR determined that conductivity readings from the southwest underdrain had reached the CBR action level and potentially indicated a pond liner leak. Mr. Doug Weaver of the NRC Operations Center was notified by telephone at 1329 MDT on April 26, 2001 of the potential 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.

CBR has been closely monitoring the southwest underdrain since February 14, 2001 when the underdrain measurement reached 6 inches. As required by the CBR Evaporation Pond Inspection Plan (CBR, February 1996), conductivity measurements from the underdrain were begun at that time. From February through April, the underdrain conductivity measurements averaged slightly above 20,000 $\mu\text{mho/cm}$. There was no detectable trend in conductivity and no meaningful increase in underdrain water level, which varied from 0.4 to 0.6 feet. The underdrain conductivity as compared to typical pond conductivity of greater than 90,000 $\mu\text{mho/cm}$ did not reach the CBR action level of 50 percent of pond contents, which could indicate a potential liner leak. CBR based this determination on previous Pond 1 conductivity measurements made in September 2000 since we were unable to obtain pond samples due to ice in the pond and on the liner.

On April 18, 2001, CBR obtained a sample of the contents of Pond 1. Conductivity measurements performed on this sample were 45,400 $\mu\text{mho/cm}$. Pond sampling was repeated April 25, with pond stratification samples obtained at approximately 4 1/2 feet deep at three locations on the pond. All of these samples resulted in conductivity measurements ranging from 45,400 to 46,400 $\mu\text{mho/cm}$. The April 25 southwest underdrain conductivity measurement of 22,560 $\mu\text{mho/cm}$ was approximately 49 percent of the maximum pond content. Based upon this data, CBR determined that the action level had been reached

NMSSO1 Public



Mr. Philip Ting
May 25, 2001
Page 2 of 3

and a potential pond leak existed.

As required by License Condition 11.4 of SUA-1534, a sample was collected from the underdrain and analyzed for chloride, alkalinity, conductivity, sodium, and sulfate. The results of this sample indicated that the concentrations of the indicator parameters in the underdrain were elevated but were not approaching concentrations that are similar to the pond contents. CBR also began weekly sampling of the southwest underdrain with 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 April 25 and May 2, 9, 16 and 23, 2001.

In addition to weekly analysis for the underdrain, CBR obtained a sample from pond monitor wells CPM-1 and CPM-2. CPM-1 and CPM-2 are completed in the first aquifer and are located downgradient of Pond 1 at the fenced restricted area boundary. The sample was obtained on April 25 and analyzed for the indicator parameters to ensure that there was no indication of leakage in the secondary liner. Analytical results were consistent with historical sampling results and are contained in Attachment 2.

On April 27, CBR changed the pond waste feed from Pond 1 to Pond 3. On May 2, 2001, CBR began to lower the level of Pond 1 by pumping water to Pond 3. Concurrently, an immediate visual inspection of the liner in the southwest quadrant of the pond was performed. The inspection did not locate any visual indication of potential sources of leakage. The contents of Pond 1 were transferred to Pond 3 until the water level was reduced from 11.1 feet to 10.5 feet. A complete visual inspection was again performed, paying particular attention to the waterline. No apparent sources of leaks were identified.

CBR believes that the exceedance of the action level in the underdrain may be due to abnormally low pond contents conductivity rather than a liner leak. The southwest underdrain in Pond 1 was affected by an apparent liner leak from June through September 2000. CBR performed minor repairs on Pond 1 during this time and flushed the southwest underdrain in an attempt to lower conductivity levels. By report dated September 25, 2000, CBR notified NRC that the liner was repaired and the underdrain returned to a water quality that would allow detection of future liner leaks. The southwest underdrain conductivity at that time had been reduced to approximately 15,000 $\mu\text{mhos/cm}$ and was relatively stable. The conductivity in the underdrain is not significantly higher than that noted in September 2000. The increase to the current conductivity level may simply be due to equilibration of the fluid in the underdrain during the five month period between September 2000 and February 2001.

The lack of an upward trend in the southwest underdrain water level and conductivity indicate that, if

CROW BUTTE RESOURCES, INC.



Mr. Philip Ting
May 25, 2001
Page 3 of 3

there is a liner leak, it is very small at a low flowrate. In order to determine whether a liner leak is present in Pond 1, CBR has begun a flushing program for the southwest underdrain. On May 1, the southwest underdrain was pumped until loss of suction. No recovery of water level in the underdrain was noted. On May 11, the underdrain was filled with fresh water and again pumped until loss of suction. Following this second pumping operation, there was no detectable increase in the underdrain water level. Conductivity has declined with the flushing operation to below the action level. Figure 1 contains the monitoring results for pond water level, southwest underdrain water level and conductivity since November 2000. CBR intends to continue flushing and pumping the southwest underdrain and monitoring recharge and water quality to determine whether a liner leak is indicated. Attachment 3 contains copies of the Commercial Pond Inspection Forms for the period of April 29 to May 24, 2000.

Daily underdrain level measurement and weekly analysis of the underdrain contents will be continued until CBR is sure that any leaks have been located and repaired. If you have any questions or require any further information, please do not hesitate to call me at (308) 665-2215.

Sincerely,
CROW BUTTE RESOURCES, INC.

Michael Griffin
Manager of Health, Safety, and Environmental Affairs

Enclosures: As Stated

cc: Mr. Steve Collings - CBR, Denver

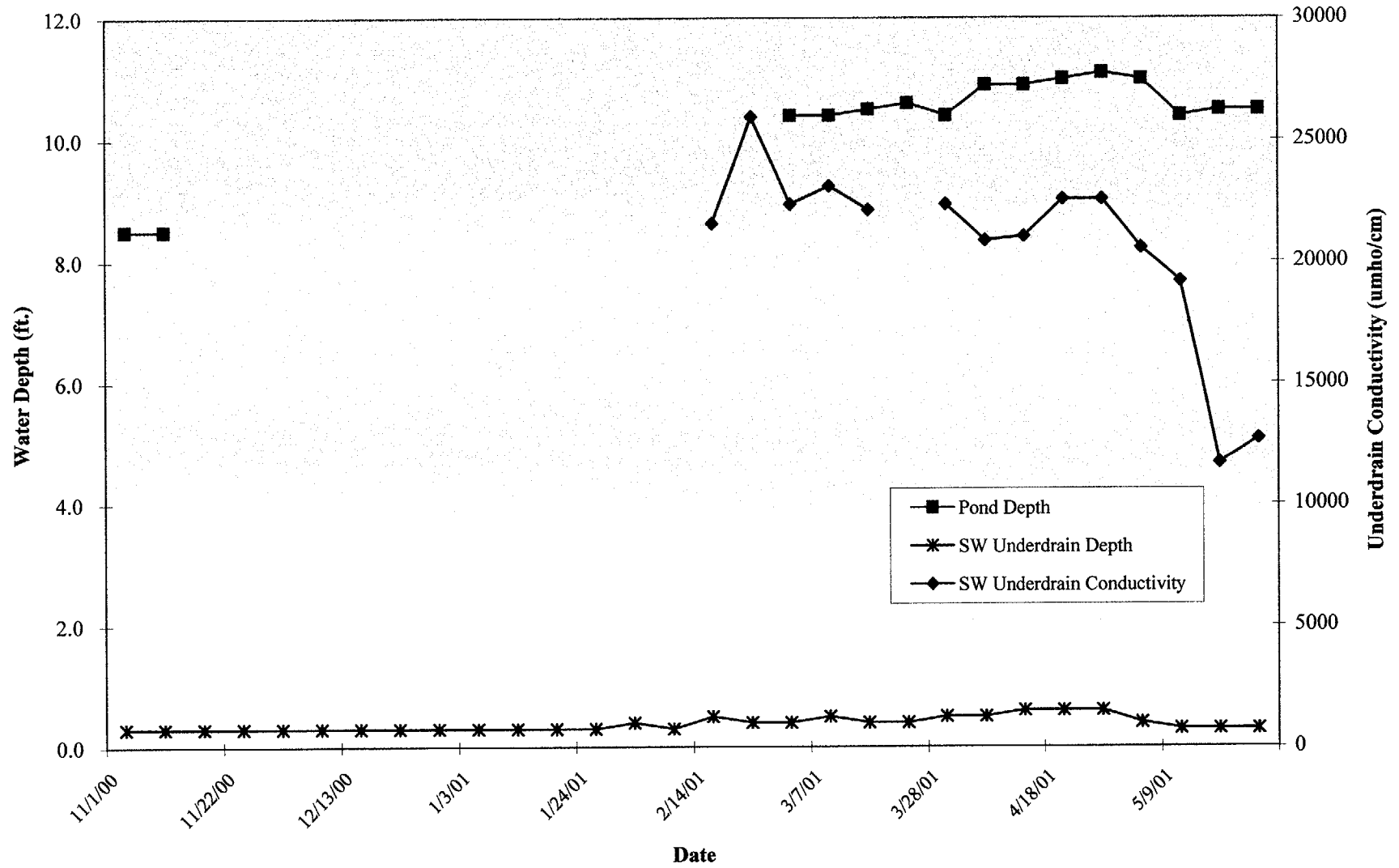
U.S. Nuclear Regulatory Commission
Mr. Mike Layton - ADDRESSEE ONLY
Fuel Cycle Licensing Branch
Mail Stop T-8A33
Washington, DC 20555



Figure 1

Pond Monitoring Results

Commercial Pond 1





Attachment 1

Pond 1 Underdrain Analysis

**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	11"					45400
	N.E. UNDERDRAIN	0					
	N.M. UNDERDRAIN	1"					
	N.W. UNDERDRAIN	3"					
	S.E. UNDERDRAIN	1"					
	S.M. UNDERDRAIN	0"					
	S.W. UNDERDRAIN	7"	16000	10°	1.41	22560	34500
S O U T H P O N D 3	POND CONTENTS	8'10"					102600
	N.E. UNDERDRAIN	5"	500	8°	1.49	745	
	N.M. UNDERDRAIN	8"	700	8°	1.49	1043	
	N.W. UNDERDRAIN	3"					
	S.E. UNDERDRAIN	0"					
	S.M. UNDERDRAIN	6"	3800	8°	1.49	5662	
	S.W. UNDERDRAIN	9"	480	8°	1.49	715	
P O N D N U M B E R 4	POND CONTENTS	5'6"					117200
	N.E. UNDERDRAIN	10"	2000	10°	1.41	2820	
	N.M. UNDERDRAIN	14"	1700	10°	1.41	2397	
	N.W. UNDERDRAIN	10"	13000	10°	1.41	18330	
	S.E. UNDERDRAIN	15"	5000	8°	1.49	7450	
	S.M. UNDERDRAIN	7"	1500	8°	1.49	2235	
	S.W. UNDERDRAIN	5"	2800	8°	1.49	4172	

DATE: 4-25-01

REMARKS:

ACTION LIMIT EXCEEDED? N/A

SAMPLER/ANALYST: RL

25-Apr-01
SM/LG/TF

	<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 #1 SW	925	10,254	34,500	1,626	8,051

**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
NORTH POND 1	POND CONTENTS	11"					
	N.E. UNDERDRAIN	1"					
	N.M. UNDERDRAIN	1"					
	N.W. UNDERDRAIN	1"					
	S.E. UNDERDRAIN	2"					
	S.M. UNDERDRAIN	0"					
	S.W. UNDERDRAIN	5"	15000	11°	1.37	20550	
SOUTH POND 3	POND CONTENTS	89"					
	N.E. UNDERDRAIN	3"					
	N.M. UNDERDRAIN	8"	700	10°	1.41	987	
	N.W. UNDERDRAIN	0"					
	S.E. UNDERDRAIN	0'					
	S.M. UNDERDRAIN	7"	4400	10°	1.41	6204	
	S.W. UNDERDRAIN	9"	600	10°	1.41	846	
POND NUMBER 4	POND CONTENTS	5'3"					
	N.E. UNDERDRAIN	10"	2600	8°	1.49	3874	
	N.M. UNDERDRAIN	14"	2100	8°	1.49	3129	
	N.W. UNDERDRAIN	10"	17000	8°	1.49	25330	
	S.E. UNDERDRAIN	15"	5000	8°	1.49	7450	
	S.M. UNDERDRAIN	8"	1600	10°	1.41	2256	
	S.W. UNDERDRAIN	4"					

After pumping TO LOSS or SECTION on 5/1/01

DATE: 5-2-01

ACTION LIMIT EXCEEDED? N/A

SAMPLER/ANALYST: KL

REMARKS: *R&D Goldpker Activity*
E 9' 1" ~ 0
W 7' 8" ~ 0

02-May-01
SM/LG/TF

	<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 #1 SW	950	10,958	34,500	1,727	7,982

**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	10'5"					
	N.E. UNDERDRAIN	0					
	N.M. UNDERDRAIN	1					
	N.W. UNDERDRAIN	3					
	S.E. UNDERDRAIN	2					
	S.M. UNDERDRAIN	0					
	S.W. UNDERDRAIN	4	14000	11°	1.37	19180	
S O U T H P O N D 3	POND CONTENTS	9'3"					
	N.E. UNDERDRAIN	3					
	N.M. UNDERDRAIN	9	700	11°	1.37	959	
	N.W. UNDERDRAIN	0					
	S.E. UNDERDRAIN	0					
	S.M. UNDERDRAIN	6	5000	11°	1.37	6850	
	S.W. UNDERDRAIN	8	600	11°	1.37	822	
P O N D N U M B E R 4	POND CONTENTS	5'5"					
	N.E. UNDERDRAIN	10"	2200	12°	1.33	2926	
	N.M. UNDERDRAIN	14"	1900	11°	1.37	2603	
	N.W. UNDERDRAIN	9"	14000	11°	1.37	19180	
	S.E. UNDERDRAIN	15"	6000	11°	1.37	8220	
	S.M. UNDERDRAIN	8"	1700	11°	1.37	2329	
	S.W. UNDERDRAIN	4"					

DATE: 5-9-01

ACTION LIMIT EXCEEDED? N/A

SAMPLER/ANALYST: MC

REMARKS: R3D E 9'3" - 0

W 7'7" - 0

09-May-01
SM/LG/TF

	<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 #1 SW	725	9,347	29,700	1,324	6,695

**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	10'6"					
	N.E. UNDERDRAIN	0"					
	N.M. UNDERDRAIN	1"					
	N.W. UNDERDRAIN	3"					
	S.E. UNDERDRAIN	2"					
	S.M. UNDERDRAIN	0"					
	S.W. UNDERDRAIN	3"	9000	13°		11700	
S O U T H P O N D 3	POND CONTENTS	9'3"					
	N.E. UNDERDRAIN	3"					
	N.M. UNDERDRAIN	9"	700	13°	1.30	910	
	N.W. UNDERDRAIN	0"					
	S.E. UNDERDRAIN	0"					
	S.M. UNDERDRAIN	7"	5000	13°	1.30	6500	
	S.W. UNDERDRAIN	8"	700	13°	1.30	910	
P O N D N U M B E R 4	POND CONTENTS	5'6"					
	N.E. UNDERDRAIN	10"	2200	12°	1.33	2926	
	N.M. UNDERDRAIN	14"	1800	12°	1.33	2394	
	N.W. UNDERDRAIN	9"	14000	12°	1.33	18620	
	S.E. UNDERDRAIN	15"	7000	13°	1.30	9100	
	S.M. UNDERDRAIN	8"	1700	13°	1.30	2210	
	S.W. UNDERDRAIN	4"					

DATE: 5-16-01

REMARKS: Gopher

ACTION LIMIT EXCEEDED? N/A

SAMPLER/ANALYST: Rocky Lennan

16-May-01
SMLG/TF

	<u>Alk</u> mg/L	<u>Cl</u> mg/L	<u>Cond</u> μ mhos	<u>SO₄</u> mg/L	<u>Na</u> mg/L
POND #1 SW	525	11,280	18,530	1,565	4,066

**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	10 1/4"					
	N.E. UNDERDRAIN	0					
	N.M. UNDERDRAIN	1					
	N.W. UNDERDRAIN	2					
	S.E. UNDERDRAIN	2					
	S.M. UNDERDRAIN	0					
	S.W. UNDERDRAIN	3	10.000	14°	1.27	12700	
S O U T H P O N D 3	POND CONTENTS	9 1/3"					
	N.E. UNDERDRAIN	3"					
	N.M. UNDERDRAIN	9"	700	14°	1.27	889	
	N.W. UNDERDRAIN	0"					
	S.E. UNDERDRAIN	0"					
	S.M. UNDERDRAIN	7"	5000	14°	1.27	6350	
	S.W. UNDERDRAIN	9"	800	12°	1.33	1064	
P O N D N U M B E R 4	POND CONTENTS	5 1/1"					
	N.E. UNDERDRAIN	11"	2400	14	1.27	3048	
	N.M. UNDERDRAIN	12"	2000	14	1.27	2540	
	N.W. UNDERDRAIN	10"	15000	15	1.24	18600	
	S.E. UNDERDRAIN	15"	7000	13	1.30	9100	
	S.M. UNDERDRAIN	8"	1800	13	1.30	2340	
	S.W. UNDERDRAIN	5"	3400	14	1.27	4318	

DATE: 05-23-01

REMARKS: Windy

ACTION LIMIT EXCEEDED? N/A

SAMPLER/ANALYST: MC

23-May-01
SM/LG/TF

	<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 #1 SW	550	3,384	19,700	934	4,272



Attachment 2

Pond Monitor Well CPM-1 and CPM-2 Analysis

26-Apr-01
SM/LG/TF

	<u>Alk</u>	<u>Cl</u>	<u>Cond</u>	<u>SO₄</u>	<u>Na</u>
	mg/L	mg/L	umhos	mg/L	mg/L
Commercial Pond	180	2.3	428	11	15
Monitor #1					
Commercial Pond	190	3.1	420	11	12
Monitor #2					
R & D Pond	170	0.8	393	6.7	14



Attachment 3

Commercial Pond Inspection Forms

CROW BUTTE MINE

COMMERCIAL POND INSPECTION FORM

For The Week Of 4-29-01 through 5-5-01CHECK ACCORDINGLY: ☒=OK ☐=X=NEEDS ATTENTION OR REPAIRS

LOCATION	FREQUENCY	SUN	MON	TUE	WED	THU	FRI	SAT
POND 1-DEPTH	Daily	11'1"	11'1"	11'1"	11'	11'	11'	11'
EMBANKMENTS	Daily	✓	✓	✓	✓	✓	✓	✓
N.E. UNDERDRAIN	Weekly				1"			
N.M. UNDERDRAIN	Weekly				1"			
N.W. UNDERDRAIN	Weekly				1"			
S.E. UNDERDRAIN	Weekly				2"			
S.M. UNDERDRAIN	Weekly				2"			
S.W. UNDERDRAIN	Weekly		6"	6"	5"	5"	5"	5"
POND 3-DEPTH	Daily	8'10"	8'10"	8'10"	8'9"	8'9"	8'9"	8'9"
EMBANKMENTS	Daily	✓	✓	✓	✓	✓	✓	✓
N.E. UNDERDRAIN	Weekly				3"			
N.M. UNDERDRAIN	Weekly				8"			
N.W. UNDERDRAIN	Weekly				8"			
S.E. UNDERDRAIN	Weekly				0"			
S.M. UNDERDRAIN	Weekly				7"			
S.W. UNDERDRAIN	Weekly				9"			
POND 4-DEPTH	Daily	5'6"	5'6"	5'6"	5'3"	5'4"	5'4"	5'4"
EMBANKMENTS	Daily	✓	✓	✓	✓	✓	✓	✓
N.E. UNDERDRAIN	Weekly				10"			
N.M. UNDERDRAIN	Weekly				14"			
N.W. UNDERDRAIN	Weekly				10"			
S.E. UNDERDRAIN	Weekly				15"			
S.M. UNDERDRAIN	Weekly				8"			
S.W. UNDERDRAIN	Weekly				4"			
INSPECTED INLET PIPING	Weekly				✓			
PERIMETER FENCE	Weekly				✓			
INSPECTED LINERS	Weekly				✓			
INSPECTED DIVERSION DITCHES	Monthly							
INSPECTED WASTE PIPELINE	Monthly							
OTHER (EXPLAIN BELOW)				*	x			
INSPECTOR INITIAL HERE ▶		JE	BB	AK	ME	BL	BB	TC

COMMENTS: ^{5/1/01} Pumped 130 Gallons out of Pond #1 SW Underdrain
 Starting level was 6" ending Cond. was 36000
 * Started a Pond Transfer From Pond #1 to Pond #3 1330-Hrs 5-2-01 Approx. 50 GPM

CROW BUTTE MINE

COMMERCIAL POND INSPECTION FORM

For The Week Of 5-6-01 through 5-12-01CHECK ACCORDINGLY: ☒=OK ☐X=NEEDS ATTENTION OR REPAIRS

LOCATION	FREQUENCY	SUN	MON	TUE	WED	THU	FRI	SAT
POND 1-DEPTH	Daily	11'	10'8"	10'8"	10'5"	10'6"	10'6"	10'6"
EMBANKMENTS	Daily	✓	✓	✓	✓	✓		
N.E. UNDERDRAIN	Weekly				0"			
N.M. UNDERDRAIN	Weekly				1"			
N.W. UNDERDRAIN	Weekly				3"			
S.E. UNDERDRAIN	Weekly				2"			
S.M. UNDERDRAIN	Weekly				0"			
S.W. UNDERDRAIN	Weekly	5"	5"	5"	4"	4"	* 4"	4"
POND 3-DEPTH	Daily	8'9"	8'9"	8'10"	9'3"	9'3"	9'3"	9'3"
EMBANKMENTS	Daily	✓	✓	✓	✓			✓
N.E. UNDERDRAIN	Weekly				3"			
N.M. UNDERDRAIN	Weekly				9"			
N.W. UNDERDRAIN	Weekly				0"			
S.E. UNDERDRAIN	Weekly				0"			
S.M. UNDERDRAIN	Weekly				6"			
S.W. UNDERDRAIN	Weekly				8"			
POND 4-DEPTH	Daily	5'4"	5'4"	5'4"	5'5"	5'5"	5'5"	5'5"
EMBANKMENTS	Daily	✓	✓	✓	✓	✓	✓	✓
N.E. UNDERDRAIN	Weekly				10"			
N.M. UNDERDRAIN	Weekly				14"			
N.W. UNDERDRAIN	Weekly				9"			
S.E. UNDERDRAIN	Weekly				15"			
S.M. UNDERDRAIN	Weekly				8"			
S.W. UNDERDRAIN	Weekly				4"			
INSPECTED INLET PIPING	Weekly				✓			
PERIMETER FENCE	Weekly				✓			
INSPECTED LINERS	Weekly				✓			
INSPECTED DIVERSION DITCHES	Monthly							
INSPECTED WASTE PIPELINE	Monthly							
OTHER (EXPLAIN BELOW)							*	
INSPECTOR INITIAL HERE ▶		TC	QR	QR	KL	QR		SH

COMMENTS: * 5/11/01 Pumped Underdrain after Flushing w/ Fresh Water

CROW BUTTE MINE

COMMERCIAL POND INSPECTION FORM

For The Week Of 5-13-01 through 5-19-01CHECK ACCORDINGLY: ☒=OK ☐=NEEDS ATTENTION OR REPAIRS

LOCATION	FREQUENCY	SUN	MON	TUE	WED	THU	FRI	SAT
POND 1-DEPTH	Daily	10'6"	10'6"	10'6"	10'6"	10'6"	10'6"	10'6"
EMBANKMENTS	Daily	✓	✓	✓	✓	✓	✓	✓
N.E. UNDERDRAIN	Weekly				✓ 0"			
N.M. UNDERDRAIN	Weekly				1"			
N.W. UNDERDRAIN	Weekly				3"			
S.E. UNDERDRAIN	Weekly				2"			
S.M. UNDERDRAIN	Weekly				0"			
S.W. UNDERDRAIN	Weekly	4"	4"	4"	3"	3"	3'4"	4"
POND 3-DEPTH	Daily	9'3"	9'3"	9'3"	9'3"	9'3"	9'3"	9'1"
EMBANKMENTS	Daily	✓	✓	✓	✓	✓	✓	✓
N.E. UNDERDRAIN	Weekly				3"			
N.M. UNDERDRAIN	Weekly				9"			
N.W. UNDERDRAIN	Weekly				0"			
S.E. UNDERDRAIN	Weekly				0"			
S.M. UNDERDRAIN	Weekly				7"			
S.W. UNDERDRAIN	Weekly				8"			
POND 4-DEPTH	Daily	5'5"	5'5"	5'5"	5'6"	5'6"	5'6"	5'4"
EMBANKMENTS	Daily	✓	✓	✓	✓	✓	✓	✓
N.E. UNDERDRAIN	Weekly				10"			
N.M. UNDERDRAIN	Weekly				14"			
N.W. UNDERDRAIN	Weekly				9"			
S.E. UNDERDRAIN	Weekly				15"			
S.M. UNDERDRAIN	Weekly				8"			
S.W. UNDERDRAIN	Weekly				4"			
INSPECTED INLET PIPING	Weekly				✓			
PERIMETER FENCE	Weekly				✓			
INSPECTED LINERS	Weekly				✓			
INSPECTED DIVERSION DITCHES	Monthly							
INSPECTED WASTE PIPELINE	Monthly							
OTHER (EXPLAIN BELOW)								
INSPECTOR INITIAL HERE ►		TC	RL	RL	KL	RL	oon	oon

COMMENTS: Gophers

CROW BUTTE MINE

COMMERCIAL POND INSPECTION FORM

For The Week Of 20 May 01 through 26 May 01CHECK ACCORDINGLY: ☒=OK ☐=NEEDS ATTENTION OR REPAIRS

LOCATION	FREQUENCY	SUN	MON	TUE	WED	THU	FRI	SAT
POND 1-DEPTH	Daily	10'6"	10'6"	10'6"	10'6"	10'6"		
EMBANKMENTS	Daily	✓	✓	✓	✓	✓		
N.E. UNDERDRAIN	Weekly				0"			
N.M. UNDERDRAIN	Weekly				1"			
N.W. UNDERDRAIN	Weekly				2"			
S.E. UNDERDRAIN	Weekly				2"			
S.M. UNDERDRAIN	Weekly				0"			
S.W. UNDERDRAIN	Weekly	4"	4"	4"	3"	4"		
POND 3-DEPTH	Daily	9'1"	9'1"	9'1"	9'3"	9'2"		
EMBANKMENTS	Daily	✓	✓	✓	✓	✓		
N.E. UNDERDRAIN	Weekly				3"			
N.M. UNDERDRAIN	Weekly				9"			
N.W. UNDERDRAIN	Weekly				0"			
S.E. UNDERDRAIN	Weekly				0"			
S.M. UNDERDRAIN	Weekly				7"			
S.W. UNDERDRAIN	Weekly				9"			
POND 4-DEPTH	Daily	5'4"	5'4"	5'4"	5'1"	5'2"		
EMBANKMENTS	Daily	✓	✓	✓	✓	✓		
N.E. UNDERDRAIN	Weekly				11"			
N.M. UNDERDRAIN	Weekly				12"			
N.W. UNDERDRAIN	Weekly				10"			
S.E. UNDERDRAIN	Weekly				15"			
S.M. UNDERDRAIN	Weekly				8"			
S.W. UNDERDRAIN	Weekly				5"			
INSPECTED INLET PIPING	Weekly				✓			
PERIMETER FENCE	Weekly				✓			
INSPECTED LINERS	Weekly				✓			
INSPECTED DIVERSION DITCHES	Monthly							
INSPECTED WASTE PIPELINE	Monthly							
OTHER (EXPLAIN BELOW)								
INSPECTOR INITIAL HERE ►		JE	SL	RL	RL	RL		

COMMENTS:



0000



20555

U.S. POSTAGE
PAID
CRAWFORD, NE.
69339
MAY 25 01
AMOUNT

\$1.18
00049037-02



86 Crow Butte Road
P.O. Box 169
Crawford, Nebraska 69339

CROW BUTTE RESOURCES, INC.

US NUCLEAR REGULATORY COMMISSION
MIKE LAYTON
FUEL CYCLE LICENSING BRANCH
MAIL STOP T-8A33
WASHINGTON DC 20555