

## OGMCOAL - Fwd: Crandall Minewater 3/10, 3/17, 3/24

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**From:** Steve Christensen  
**To:** OGMCOAL  
**Date:** 3/31/2011 10:38 AM  
**Subject:** Fwd: Crandall Minewater 3/10, 3/17, 3/24  
**Attachments:** 2011\_March\_10\_17\_24.pdf

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>>> Kevin Lundmark 3/31/2011 10:37 AM >>>  
Dana, Dave,

Analytical results for pre-treatment minewater samples collected by the Division on 3/10, 3/17 and 3/24 are attached.

Regards,  
Kevin

Kevin Lundmark  
Utah Department of Natural Resources  
Division of Oil, Gas & Mining  
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(801)538-5352

UTAH STATE DEPARTMENT OF HEALTH  
DIVISION OF LABORATORY SERVICES  
Environmental Chemistry Analysis Report

DEPT OF NATURAL RESOURCES - OGM  
ATTN; KEVIN LUNDMARK  
1594 W NORTH TEMPLE - STE 1210  
SALT LAKE CITY UT 84114-1210

801-538-5352

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Lab Number: 201100868      Sample Type: 04      Cost Code: 900B  
Description: PRE-002  
Collector: KWL

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Site ID:	Source No: 00	Organic Review:
Sample Date: 03/10/2011	Time: 11:00	Inorganic Review: 03/23/2011
		Radiochemistry Review:
		Microbiology Review:

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TEST RESULTS:

Sulfate *	189.0 mg/l	T-Iron	1.98 mg/l
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QUALIFYING COMMENTS (\*) on test results:

Sulfate... Matrix Spike %Rec was less than QC Limit indicating Matrix Interference.

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END OF REPORT

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Lab Number: 201101057      Sample Type: 04      Cost Code: 900B  
Description: CRANDALL CANYON MINE WATER DISCHARGE (PRE 002)  
Collector: KRH

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Site ID:	Source No: 00	Organic Review:	
Sample Date: 03/17/2011	Time: 12:55	Inorganic Review:	03/30/2011
		Radiochemistry Review:	
		Microbiology Review:	

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TEST RESULTS:

Sulfate	190.0 mg/l	T-Iron	2.06 mg/l
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QUALIFYING COMMENTS (\*) on test results: NO COMMENTS

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END OF REPORT

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Lab Number: 201101058      Sample Type: 04      Cost Code: 900B  
Description: CRANDALL CANYON MINE WATER DISCHARGE (PRE 002)  
Collector: SRC

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Site ID:	Source No: 00	Organic Review:
Sample Date: 03/24/2011	Time: 10:30	Inorganic Review: 03/30/2011
		Radiochemistry Review:
		Microbiology Review:

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TEST RESULTS:

Sulfate	187.0 mg/l	T-Iron	2.28 mg/l
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QUALIFYING COMMENTS (\*) on test results: NO COMMENTS

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END OF REPORT