

0016

Jacoby
2/15/08
JK

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To: "Shaver, Dave" <dshaver@coalsource.com>, "Jeffrey Studenka" <jstuden...>
Date: 2/8/2008 1:11 PM
Subject: Additional Information for Crandall Mine Discharge
Attachments: Crandall 2008 UPDES compliance.xls

All:

I was asked to relay some additional information on Crandall's mine discharge, to support the statement I made in the earlier email about compliance with the UPDES Permit. Attached is an Excel file that provides a table showing the UPDES Permit effluent limitations and the lab data specific to the UPDES Permit, for the year to-date. Included in the Excel file are two graphs, representing the two parameters (TDS and total iron) that had been out of compliance, but are now within limits.

Regards,

Karla Knoop, Hydrologist

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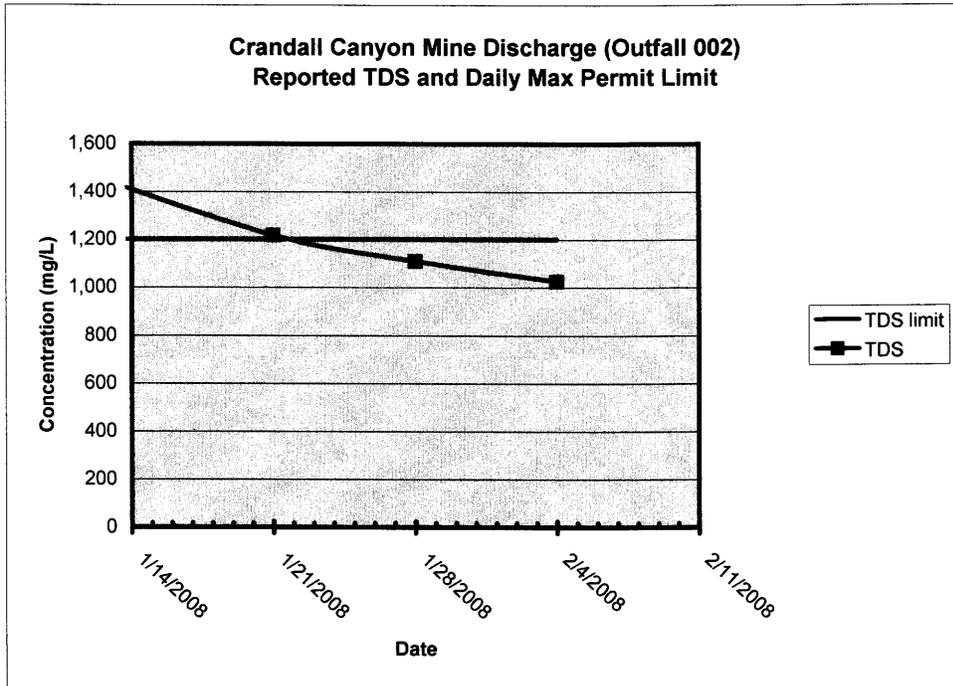
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**UtahAmerican Energy, Inc., Genwal Resources, Inc., Crandall Canyon Mine
In-mine Groundwater Discharge
Comparison of 2008 Data with UPDES Daily Maximum Permit Effluent Limitations (mg/L)**

Date	Outfall	TDS		TSS		Fe (tot)		Oil & Grease	
		Limit	Reported	Limit	Reported	Limit	Reported	Limit	Reported
10-Jan-08	002	1,200	1,523	70	6	1.0	0.937	10	<5
21-Jan-08	002	1,200	1,218	70	10	1.0	2.204	10	<5
28-Jan-08	002	1,200	1,108	70	12	1.0	1.494	10	<5
4-Feb-08	002	1,200	1,025	70	4	1.0	0.815	10	<5
14-Jan-08	001	1,200	1,687	70	10	1.0	0.758	10	<5

- Note 1: 14-Jan-08 sample is discharge from the sediment pond. It was influenced by water previously retained in pond as well as in-mine groundwater that had flowed overland to the pond.
- Note 2: In addition to the TDS daily maximum limit of 1,200 mg/L, the permit also has a limit of 500 mg/L for TDS 30-day average, and Genwal participates in a salinity offset program to ensure that this limit is in compliance.
- Note 3: In addition to the TSS daily maximum limit of 70 mg/L, the permit also has limit of 25 mg/L for TSS 30-day average and a limit of 35 mg/L for TSS 7-day average.



**Crandall Canyon Mine Discharge (Outfall 002)
Reported Total Iron and Daily Max Permit Limit**

