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**From:** April Abate  
**To:** OGMCOAL@utah.gov  
**Date:** 11/29/2011 8:31 AM  
**Subject:** Hiawatha: 4th Quarter 2010 and First Quarter 2011 Water Quality Reports  
**Attachments:** 1005443 Lab Sheet November 2010 D001 and D002.pdf; April Abate.vcf

**April A. Abate**

*Environmental Scientist III*  
Division of Oil, Gas and Mining  
1594 W. North Temple, Suite 1210  
Salt Lake City, Utah 84114-5801  
T: 801.538.5214  
M: 801.232.1339

Starting Tuesday, September 6, 2011, our agency hours will be  
8am-5pm, Monday-Friday.

>>> Charles Reynolds <charles.reynolds@hiawathacoal.com> 11/28/2011 4:24 PM >>>  
April,

I reviewed your reports in regard to missing data.

First, with regard to the 4th Quarter, 2010 total iron analyses for Discharge points D001 and D002. Total iron was analyzed for and reported correctly on the DMR reports. It is possible that it was inadvertently reported as Dissolved Iron. I have noticed that for some reason dissolved iron comes up in the database as the default parameter for these sites instead of total iron and I may not have caught it in that quarter. It would help if the default parameters for these sites could be corrected to include total iron and exclude dissolved iron. I have attached a copy of the lab reports to verify that the analysis was in fact completed.

With regard to stream samples ST-2, ST-2B, ST-3A and ST-3B for the period from October 2009 to October 2011, samples were collected for these site in October 2009. beginning in April, 2010, these sites were not sampled due to the question of right of entry which evolved from the C. W. Mining bankruptcy. This question of access to these sites was clarified in March, 2011 and monitoring resumed for these for sites. Samples have been collected according to the schedule since April, 2011, as evidenced by the 2nd Quarter, 2011, quarterly water monitoring data submittal. Monitoring will continue in compliance with the requirements of the MRP. The only missing samples are for the year 2010, which was due to the question of right of entry.

With regard to the date and time on the 1st quarter samples for discharge points D003 through D013 being the same for all samples, this resulted from the way the database inputs multiple "No Flow" samples and was an oversight on my part to go back in and correct the times. We will watch this to insure it does not happen in future water monitoring data submittals.

If you have any other questions, please let me know.

Charles Reynolds, PE  
Hiawatha Coal Company, Inc.

On 11/17/2011 4:08 PM, April Abate wrote:

Charles,

Attached are the above water quality report for the Hiawatha mine. Please note in the reports that we are missing some data. Please let me know if the data were collected but just not reported properly and provide it by November 28, 2011.

**April A. Abate**

*Environmental Scientist III*

Division of Oil, Gas and Mining

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Analysis Report

December 06, 2010

HIAWATHA COAL CO  
PO BOX 1240  
HUNTINGTON UT 84528

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ATTN: MARC REYNOLDS

Client Sample ID: UPDES D001  
Date Sampled: Nov 29, 2010  
Date Received: Nov 30, 2010  
Product Description: WATER

Sample ID By: Hiawatha  
Sample Taken At: D001  
Sample Taken By: C. Reynolds  
Time Sampled: 1145  
Time Received: 0805  
Mine: 23  
Site: 29  
Field - pH: 7.0 pH  
Field - Flow: 310 GPM  
Field - Conductivity: 800 UMHOS/CM  
Field - Temperature: 11.9 DEG.C

Comments: No Visible Oil Observed

SGS Minerals Sample ID: 782-1005443-001

TESTS	RESULT	UNIT	METHOD	REPORTING		ANALYZED	
				LIMIT	DATE	TIME	ANALYST
Settleable Solids	<0.1	mL/L	SM2540-F a	0.100	2010-11-30	09:30:00	AL
Total Dissolved Solids	733	mg/L	SM2540-C	30.000	2010-12-02	13:45:00	CM
Total Suspended Solids	<5	mg/L	SM2540-D	5.000	1010-12-02	13:45:00	CM
<b>METALS BY ICP</b>							
Iron, Fe - Total	<0.05	mg/L	EPA 200.7	0.050	2010-12-02	12:14:00	CM

Lab Supervisor

Domenic Ibanez  
Lab Supervisor

SGS North America Inc | Minerals Services Division  
2035 North Airport Road Huntington t (435) 653-2311 f (435)-653-2436 www.sgs.com/minerals

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Analysis Report

December 06, 2010

HIAWATHA COAL CO
PO BOX 1240
HUNTINGTON UT 84528

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ATTN: MARC REYNOLDS

Client Sample ID: UPDES D002
Date Sampled: Nov 29, 2010
Date Received: Nov 30, 2010
Product Description: WATER

Sample ID By: Hiawatha
Sample Taken At: D002
Sample Taken By: C.Reynolds
Time Sampled: 1215
Time Received: 0805
Mine: 23
Site: 30
Field - pH: 7.3 pH
Field - Flow: 130 GPM
Field - Conductivity: 790 UMHOS/CM
Field - Temperature: 5.5 DEG.C

Comments: No Visible Oil Observed

SGS Minerals Sample ID: 782-1005443-002

Table with columns: TESTS, RESULT, UNIT, METHOD, REPORTING LIMIT, DATE, ANALYZED TIME, ANALYST. Rows include Settleable Solids, Total Dissolved Solids, Total Suspended Solids, and METALS BY ICP Iron, Fe - Total.

Handwritten signature of Domenic Ibanez

Lab Supervisor

Domenic Ibanez
Lab Supervisor

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