Incoming
C0150032
K

OGMCOAL DNR <ogmcoal@utah.gov>

(no subject)

1 message

Leonard, JD <jleonard@coalsource.com> Wed, Feb 27, 2013 at 9:34 AM
To: Ken Hoffman <kenhoffman@utah.gov>
Cc: ogmcoal@utah.gov, "Hibbs, David" <dhibbs@coalsource.com>, "Marshall, Jay" <jmarshall@coalsource.com>, "Davis, Dale" <daledavis@coalsource.com>

Hi Ken,

Attached is the January monthly information for Crandall Canyon Mine, if you have any questions or need additional information please contact me.

Thank You

JD Leonard

435-888-4026

jleonard@coalsource.com

2 attachments

Ken Hoffman Crandall 2013.xlsx
43K

Polymer January 2013.pdf
63K

SGS

Analysis Report

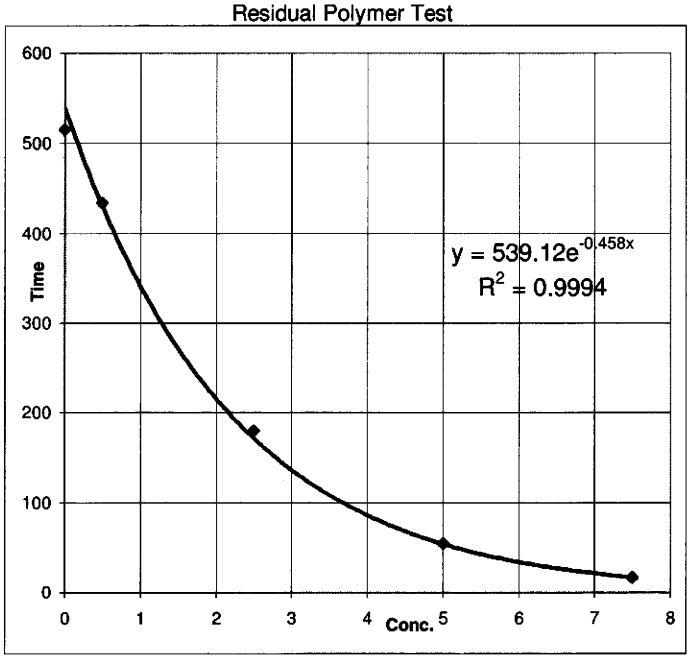
Genwal Resources Inc.
794 "C" Canyon Road
East Carbon, UT 84520

Client Sample ID: Polymer Test
Date Sampled: 1/2/2013
Date Received: 1/2/2013
Product Description:
Sample Taken At: Genwal Mine
Sample Taken By: JD
Time Received: 1233
Time Sampled: 1145

Coagulant (1mg/l) and Flocculent

Exponent	INTERCEPT	
-0.458	539.120000	
Standards	Time	Conc. Mg/l
BLANK	515	0
1	434	0.5
2	180	2.5
3	55	5
4	17	7.5

Residual Polymer Test



Comments: Customer supplied method

Residual Polymer (based on 1 mg/l Coagulant)

Sample #	mL of Sample	Time	Conc. Mg/l
1317159-001	45	481	0.25

ND = none detect (<0 mg/l)

Domenic Ibanez
Water Lab Supervisor

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Crandall Canyon Mine

Post-Treatment Mine Water 2013

Parameter	Units	January	February	March	April	May	June	July	August	September	October	November	December
		1/29/2013											
Field													
pH	std. units	8.2											
Temperature	deg. C	12 C											
Conductivity	µmhos/cm2	1035											
Dissolved Oxygen	mg/L	10.22											
Lab													
Iron	total, mg/L	0.12											
Iron	dissolved, mg/L	<0.03											
Iron	ferrous, mg/L	0.18											
Aluminum	total, mg/L	0.41											
Aluminum	dissolved, mg/L	<0.03											
Manganese	total, mg/L	0.081											
Manganese	dissolved, mg/L	0.081											
Alkalinity	Bicarbonate, mg/L	350											
Alkalinity	Carbonate, mg/L	<5											
Alkalinity	Total	350											
Sulfate	mg/L	138											
TDS	mg/L	559											
Suspended Solids	mg/L	<5											
Seep Flow	gpm	2											

Pre-Treatment Mine Water 2013

Parameter	Units	January	February	March	April	May	June	July	August	September	October	November	December
Field													
pH	std. units	7.2											
Temperature	deg. C	12 C											
Conductivity	µmhos/cm2	1023											
Dissolved Oxygen	mg/L	6.3											
Lab													
Iron	total, mg/L	2.400											
Iron	dissolved, mg/L	<0.03											
Iron	ferrous, mg/L	0.454											
Aluminum	total, mg/L	0.1											
Aluminum	dissolved, mg/L	<0.03											
Manganese	total, mg/L	0.09											
Manganese	dissolved, mg/L	0.089											
Alkalinity	Bicarbonate, mg/L	359											
Alkalinity	Carbonate, mg/L	<5											
Alkalinity	Total	359											
Sulfate	mg/L	140											
TDS	mg/L	567											
Suspended Solids	mg/L	6											
Chloride	mg/L	9											
Calcium	Dissolved, mg/L	96.47											

Potassium	Dissolved, mg/L	8.22											
Sodium	Dissolved, mg/L	35.28											
Magnesium	Dissolved, mg/L	53.46											
Silica	Dissolved, mg/L	9.84											
Hot Acidity	mg/L	-356											
Average Flow	gpm	389											

NEWPORT - MINE WATER 2013													
Parameter	**Units**	January	February	March	April	May	June	July	August	September	October	November	December
Field													
pH	std. units	7.3											
Temperature	deg. C	12 C											
Conductivity	µmhos/cm2	1018											
Dissolved Oxygen	mg/L	6.2											
Lab													
Iron	total, mg/L	1.920											
Iron	dissolved, mg/L	<0.03											
Iron	ferrous, mg/L	0.701											
Aluminum	total, mg/L	0.1											
Aluminum	dissolved, mg/L	<0.03											
Manganese	total, mg/L	0.085											
Manganese	dissolved, mg/L	0.085											
Alkalinity	Bicarbonate, mg/L	360											
Alkalinity	Carbonate, mg/L	<5											
Alkalinity	Total	360											
Sulfate	mg/L	140											
TDS	mg/L	562											
Suspended Solids	mg/L	<5											
Chloride	mg/L	9											
Calcium	Dissolved, mg/L	96.07											
Potassium	Dissolved, mg/L	8.19											
Sodium	Dissolved, mg/L	34.85											
Magnesium	Dissolved, mg/L	53.35											
Silica	Dissolved, mg/L	9.91											
Hot Acidity	mg/L	-362											