



OGMCOAL DNR <ogmcoal@utah.gov>

Crandall- December 20th, 2012 data

1 message

Steve Christensen <stevechristensen@utah.gov>

Thu, Jan 17, 2013 at 2:10 PM

To: Jay Marshall <jmarshall@coalsource.com>, OGMCOAL DNR <ogmcoal@utah.gov>

Hi Jay,

Attached is the data from our dual sampling event in late December.
When you get a chance could you send us your lab data?

Regards,
Steve

p.s. FYI- I'm working on getting a waste-water/influent sampling expert from DWQ to come down to Crandall to see what recommendations they might have as to an appropriate sampling protocol (i.e. given the flow rate, the slugs of iron we observed etc). I'll be sure to let you know when I get that set up so either you or another company representative can be present. Talk to you soon.

 **12_20_2012 Port and Effluent Samples.pdf**
304K

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

Lab Number: 201207405 Sample Type: 04 Cost Code: 901B
Description: TEST-002(3)
Collector: SC

Site ID:	Source No: 00	Organic Review:
Sample Date: 12/20/2012	Time: 11:20	Inorganic Review: 12/26/2012
		Radiochemistry Review:
		Microbiology Review:

TEST RESULTS:

Sulfate	149.0 mg/l	T-Iron	1.92 mg/l
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QUALIFYING COMMENTS (*) on test results: NO COMMENTS

Trace levels up to 0.2 ppb metals may be present in bottles

END OF REPORT

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

Lab Number: 201207406 Sample Type: 04 Cost Code: 901B
Description: TEST-002(4)
Collector: SC

Site ID:	Source No: 00	Organic Review:
Sample Date: 12/20/2012	Time: 11:35	Inorganic Review: 12/26/2012
		Radiochemistry Review:
		Microbiology Review:

TEST RESULTS:

Sulfate	145.0 mg/l	T-Iron	1.83 mg/l
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QUALIFYING COMMENTS (*) on test results: NO COMMENTS

Trace levels up to 0.2 ppb metals may be present in bottles

END OF REPORT

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

Lab Number: 201207407 Sample Type: 04 Cost Code: 901B
Description: TEST-002(5)
Collector: SC

Site ID:	Source No: 00	Organic Review:
Sample Date: 12/20/2012	Time: 11:50	Inorganic Review: 12/26/2012
		Radiochemistry Review:
		Microbiology Review:

TEST RESULTS:

Sulfate	148.0 mg/l	T-Iron	1.75 mg/l
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QUALIFYING COMMENTS (*) on test results: NO COMMENTS

Trace levels up to 0.2 ppb metals may be present in bottles

END OF REPORT

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

Lab Number: 201207408 Sample Type: 04 Cost Code: 901B
Description: TEST-002(6)
Collector: SC

Site ID:	Source No: 00	Organic Review:
Sample Date: 12/20/2012	Time: 12:05	Inorganic Review: 12/26/2012
		Radiochemistry Review:
		Microbiology Review:

TEST RESULTS:

Sulfate	147.0 mg/l	T-Iron	1.82 mg/l
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QUALIFYING COMMENTS (*) on test results: NO COMMENTS

Trace levels up to 0.2 ppb metals may be present in bottles

END OF REPORT

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

Lab Number: 201207409 Sample Type: 04 Cost Code: 901B
Description: PRE-002(5)
Collector: SC

Site ID:	Source No: 00	Organic Review:
Sample Date: 12/20/2012	Time: 11:50	Inorganic Review: 12/26/2012
		Radiochemistry Review:
		Microbiology Review:

TEST RESULTS:

Sulfate	146.0 mg/l	T-Iron	1.95 mg/l
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QUALIFYING COMMENTS (*) on test results: NO COMMENTS

Trace levels up to 0.2 ppb metals may be present in bottles

END OF REPORT

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

Lab Number: 201207411 Sample Type: 04 Cost Code: 901B
Description: PRE-002(7)
Collector: SC

Site ID:	Source No: 00	Organic Review:
Sample Date: 12/20/2012	Time: 12:20	Inorganic Review: 12/26/2012
		Radiochemistry Review:
		Microbiology Review:

TEST RESULTS:

Sulfate	147.0 mg/l	T-Iron	1.88 mg/l
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QUALIFYING COMMENTS (*) on test results: NO COMMENTS

Trace levels up to 0.2 ppb metals may be present in bottles

END OF REPORT

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

Lab Number: 201207412 Sample Type: 04 Cost Code: 901B
Description: PRE-002(8)
Collector: SC

Site ID:	Source No: 00	Organic Review:
Sample Date: 12/20/2012	Time: 12:35	Inorganic Review: 12/26/2012
		Radiochemistry Review:
		Microbiology Review:

TEST RESULTS:

Sulfate	146.0 mg/l	T-Iron	1.79 mg/l
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QUALIFYING COMMENTS (*) on test results: NO COMMENTS

Trace levels up to 0.2 ppb metals may be present in bottles

END OF REPORT

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

Lab Number: 201207415 Sample Type: 04 Cost Code: 901B
Description: TEST-002(8)
Collector: SC

Site ID:	Source No: 00	Organic Review:
Sample Date: 12/20/2012	Time: 12:35	Inorganic Review: 12/26/2012
		Radiochemistry Review:
		Microbiology Review:

TEST RESULTS:

Sulfate	146.0 mg/l	T-Iron	1.79 mg/l
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QUALIFYING COMMENTS (*) on test results: NO COMMENTS

Trace levels up to 0.2 ppb metals may be present in bottles

END OF REPORT

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

Lab Number: 201207417 Sample Type: 04 Cost Code: 901B
Description: PRE-002(1)
Collector: SC

Site ID:	Source No: 00	Organic Review:
Sample Date: 12/20/2012	Time: 10:20	Inorganic Review: 12/27/2012
		Radiochemistry Review:
		Microbiology Review:

TEST RESULTS:

Sulfate	147.0 mg/l	T-Iron	11.5 mg/l
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QUALIFYING COMMENTS (*) on test results: NO COMMENTS

Trace levels up to 0.2 ppb metals may be present in bottles

END OF REPORT

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

Lab Number: 201207418 Sample Type: 04 Cost Code: 901B
Description: PRE-002(2)
Collector: SC

Site ID:	Source No: 00	Organic Review:
Sample Date: 12/20/2012	Time: 10:50	Inorganic Review: 12/26/2012
		Radiochemistry Review:
		Microbiology Review:

TEST RESULTS:

Sulfate	146.0 mg/l	T-Iron	2.46 mg/l
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QUALIFYING COMMENTS (*) on test results: NO COMMENTS

Trace levels up to 0.2 ppb metals may be present in bottles

END OF REPORT

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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

Lab Number: 201207420 Sample Type: 04 Cost Code: 901B
Description: PRE-002(4)
Collector: SC

Site ID:	Source No: 00	Organic Review:
Sample Date: 12/20/2012	Time: 11:35	Inorganic Review: 12/26/2012
		Radiochemistry Review:
		Microbiology Review:

TEST RESULTS:

Sulfate	146.0 mg/l	T-Iron	1.9 mg/l
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QUALIFYING COMMENTS (*) on test results: NO COMMENTS

Trace levels up to 0.2 ppb metals may be present in bottles

END OF REPORT

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

Lab Number: 201207421 Sample Type: 04 Cost Code: 901B
Description: UPDES 002
Collector: SC

Site ID:	Source No: 00	Organic Review:
Sample Date: 12/20/2012	Time: 12:45	Inorganic Review: 12/26/2012
		Radiochemistry Review:
		Microbiology Review:

TEST RESULTS:

Sulfate	145.0 mg/l	T-Iron	0.041 mg/l
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QUALIFYING COMMENTS (*) on test results: NO COMMENTS

Trace levels up to 0.2 ppb metals may be present in bottles

END OF REPORT