

**From:** April Abate  
**To:** OGMCOAL@utah.gov; Priscilla Burton  
**Date:** 5/4/2011 3:59 PM  
**Subject:** Coal Hollow: Pit Water and Lower Robinson Seep Samples for RCRA 8 Metals  
**Attachments:** AltonCoalDevelopmentS1104208.pdf; April Abate.vcf

**April A. Abate**

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>>> Kirk Nicholes <[knicholes@altoncoal.com](mailto:knicholes@altoncoal.com)> 4/21/2011 6:28 AM >>>

April ,

Here are the RCRA 8 analysis for the water in Pit 1 and water for the Lower Robinson seeps. Pete suggested using a rock filter or maybe something similar to a French drain, this would avoid impounding water. Any thoughts on this?

Thank You

Kirk Nicholes  
Environmental Specialist  
Alton Coal Development, LLC  
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### Sample Analysis Report

**CLIENT:** Alton Coal Development, LLC  
463 North 100 West  
Suite 1  
Cedar City, UT 84721

**Date Reported:** 4/20/2011  
**Report ID:** S1104208001

**Project:** Coal Hollow Mine  
**Lab ID:** S1104208-001  
**Client Sample ID:** Pit 1 Coal Water  
**COC:** 139231

**Work Order:** S1104208  
**Collection Date:** 4/13/2011 1:11:00 PM  
**Date Received:** 4/15/2011 10:10:00 AM  
**Sampler:** BKN  
**Matrix:** Water

Analyses	Result	RL	Qual	Units	Date Analyzed/Init	Method
<b>Total Metals</b>						
Arsenic	ND	0.01		mg/L	04/19/2011 1758 DG	6010C
Barium	0.067	0.005		mg/L	04/19/2011 1758 DG	6010C
Cadmium	ND	0.001		mg/L	04/19/2011 1758 DG	6010C
Chromium	ND	0.005		mg/L	04/19/2011 1758 DG	6010C
Lead	ND	0.01		mg/L	04/19/2011 1758 DG	6010C
Mercury	ND	0.001		mg/L	04/19/2011 1534 BK	EPA 245.1
Selenium	ND	0.025		mg/L	04/19/2011 1758 DG	6010C
Silver	ND	0.005		mg/L	04/19/2011 1758 DG	6010C

**These results apply only to the samples tested.**

- Qualifiers:**
- \* Value exceeds Maximum Contaminant Level
  - C Calculated Value
  - H Holding times for preparation or analysis exceeded
  - L Analyzed by a contract laboratory
  - ND Not Detected at the Reporting Limit
  - S Spike Recovery outside accepted recovery limits

**RL - Reporting Limit**

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Connie Mattson  
Connie Mattson, Project Manager



### Sample Analysis Report

**CLIENT:** Alton Coal Development, LLC  
463 North 100 West  
Suite 1  
Cedar City, UT 84721

**Date Reported:** 4/20/2011  
**Report ID:** S1104208001

**Project:** Coal Hollow Mine  
**Lab ID:** S1104208-002  
**Client Sample ID:** Lower Robinson Seeps  
**COC:** 139231

**Work Order:** S1104208  
**Collection Date:** 4/13/2011 1:02:00 PM  
**Date Received:** 4/15/2011 10:10:00 AM  
**Sampler:** BKN  
**Matrix:** Water

Analyses	Result	RL	Qual	Units	Date Analyzed/Init	Method
<b>Total Metals</b>						
Arsenic	ND	0.01		mg/L	04/19/2011 1809 DG	6010C
Barium	0.111	0.005		mg/L	04/19/2011 1809 DG	6010C
Cadmium	ND	0.001		mg/L	04/19/2011 1809 DG	6010C
Chromium	ND	0.005		mg/L	04/19/2011 1809 DG	6010C
Lead	0.02	0.01		mg/L	04/19/2011 1809 DG	6010C
Mercury	ND	0.001		mg/L	04/19/2011 1536 BK	EPA 245.1
Selenium	ND	0.025		mg/L	04/19/2011 1809 DG	6010C
Silver	ND	0.005		mg/L	04/19/2011 1809 DG	6010C

**These results apply only to the samples tested.**

- Qualifiers:**
- \* Value exceeds Maximum Contaminant Level
  - C Calculated Value
  - H Holding times for preparation or analysis exceeded
  - L Analyzed by a contract laboratory
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- E Value above quantitation range
- J Analyte detected below quantitation limits
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- O Outside the Range of Dilutions

Reviewed by: Connie Mattson  
Connie Mattson, Project Manager