

**From:** Dana Dean  
**To:** Chris Hansen  
**Date:** 3/31/2005 5:58:31 PM  
**Subject:** Re: Sufco 4th Quarter 2004 Water Monitoring

Chris,

I have uploaded all of the information for SUFCO from the pipeline into the database. A report is attached.

It looks like you have included all required samples and parameters.

Please let me know if you have any questions.

Thank you,

Dana Dean, P.E.  
Senior Reclamation Hydrologist  
(801) 538-5320  
danadean@utah.gov

>>> "Hansen, Chris" <CHansen@archcoal.com> 03/29/05 1:16 PM >>>  
Dear Pam:

We have successfully uploaded the Sufco 2004 4th quarter water monitoring data to the EDI. Additionally, I have attached to this e-mail a copy of the required report concerning the baseline flow measurements at FP-1 and FP-2 in the Main Fork of Box Canyon. A map illustrating the locations of FP-1, FP-2, and the start of stream flow in the Main Fork of Box Canyon is included with the text.

If you have any questions, please give me a call at 435 448-2669 or Mike Davis at 435 286-4421.

Thanks,

Chris Hansen  
Environmental Coordinator  
Arch Western Bituminous Group

<<FP-1 and 2 4th quarter 2004.doc>>

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**CC:** Pete Hess; Steve Fluke

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## OFFICIAL UPLOAD REPORT

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**OWNER: CANYON FUEL CO., LLC**  
**MINE: SUFCO**

**SITE TYPE: Lake; Sediment Pond; Stagnant water**

SITE: 089  
NO FLOW Date: 10/16/2004 Time: 14:00

**SITE TYPE: Other: in mine, roof drippers**

SITE: 047  
Laboratory: CTE 59-27185 Period:OPER  
Sample Date: 12/17/2004 Time: 15:25 Reported: 01/12/2005 Received: 12/21/2004

SITE: LINK PORTAL-E  
NO FLOW Date: 11/03/2004 Time: 17:15

SITE: LINK PORTAL-W  
NO FLOW Date: 11/03/2004 Time: 17:10

**SITE TYPE: Spring**

SITE: 001  
Laboratory: FLD 20041015-9 Period:OPER  
Sample Date: 10/15/2004 Time: 15:15 Reported: Received:

SITE: 057A  
NO FLOW Date: 10/15/2004 Time: 15:30

SITE: GW-13  
Laboratory: FLD 20041102-1 Period:OPER  
Sample Date: 11/02/2004 Time: 13:00 Reported: Received:

SITE: GW-20  
NO FLOW Date: 10/16/2004 Time: 11:30

SITE: GW-21  
Laboratory: FLD 20041103-1 Period:OPER  
Sample Date: 11/03/2004 Time: 16:30 Reported: Received:

SITE: PINES 100  
Laboratory: CTE 59-27031 Period:OPER  
Sample Date: 11/03/2004 Time: 16:35 Reported: 11/15/2004 Received: 11/05/2004

SITE: PINES 105  
Laboratory: FLD 20041102-2 Period:OPER  
Sample Date: 11/02/2004 Time: 14:30 Reported: Received:

SITE: PINES 206  
Laboratory: FLD 20041016-6 Period:OPER  
Sample Date: 10/16/2004 Time: 13:00 Reported: Received:

SITE: PINES 209  
Laboratory: FLD 20041016-4 Period:OPER  
Sample Date: 10/16/2004 Time: 13:30 Reported: Received:

SITE: PINES 212  
Laboratory: FLD 20041016-5 Period:OPER  
Sample Date: 10/16/2004 Time: 14:00 Reported: Received:

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## =====

SITE: PINES 214

Laboratory: FLD 20041102-3 Period:OPER  
Sample Date: 11/02/2004 Time: 14:30 Reported: Received:

SITE: PINES 218

NO FLOW Date: 10/16/2004 Time: 14:30

SITE: PINES 303

Laboratory: FLD 20041103-4 Period:OPER  
Sample Date: 11/03/2004 Time: 13:00 Reported: Received:

**SITE TYPE: Stream**

SITE: 006

Laboratory: CTE 59-26980 Period:OPER  
Sample Date: 10/15/2004 Time: 16:30 Reported: 11/03/2004 Received: 10/18/2004

SITE: 007

Laboratory: CTE 59-26981 Period:OPER  
Sample Date: 10/15/2004 Time: 17:20 Reported: 11/03/2004 Received: 10/18/2004

SITE: 041

Laboratory: CTE 59-27184 Period:OPER  
Sample Date: 12/17/2004 Time: 14:45 Reported: 01/12/2005 Received: 12/21/2004

SITE: 042

Laboratory: CTE 59-27183 Period:OPER  
Sample Date: 12/17/2004 Time: 14:30 Reported: 01/12/2005 Received: 12/21/2004

SITE: 046

Laboratory: CTE 59-27182 Period:OPER  
Sample Date: 12/17/2004 Time: 13:40 Reported: 01/12/2005 Received: 12/21/2004

SITE: 047A

Laboratory: CTE 59-27181 Period:OPER  
Sample Date: 12/17/2004 Time: 13:20 Reported: 01/12/2005 Received: 12/21/2004

SITE: 090

Laboratory: FLD 20041016-1 Period:OPER  
Sample Date: 10/16/2004 Time: 14:30 Reported: Received:

SITE: FP-1

NO FLOW Date: 10/16/2004 Time: 11:45

SITE: FP-2

NO FLOW Date: 11/02/2004 Time: 15:30

SITE: LINK 001

NO FLOW Date: 11/03/2004 Time: 17:00

SITE: LINK 002

NO FLOW Date: 11/03/2004 Time: 17:30

SITE: PINES 106

Laboratory: CTE 59-27030 Period:OPER  
Sample Date: 11/02/2004 Time: 15:15 Reported: 11/18/2004 Received: 11/05/2004

SITE: PINES 302

NO FLOW Date: 12/21/2004 Time: 12:30

SITE: PINES 403

Laboratory: CTE 59-27191 Period:OPER  
Sample Date: 12/21/2004 Time: 13:00 Reported: 01/12/2005 Received: 12/21/2004

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SITE: PINES 405

Laboratory: FLD 20041221-1 Period:OPER  
Sample Date: 12/21/2004 Time: 13:15 Reported: Received:

SITE: PINES 406B

Laboratory: FLD 20041221-2 Period:OPER  
Sample Date: 12/21/2004 Time: 15:15 Reported: Received:

SITE: PINES 407

Laboratory: FLD 20041103-2 Period:OPER  
Sample Date: 11/03/2004 Time: 14:40 Reported: Received:

SITE: PINES 408

Laboratory: FLD 20041103-3 Period:OPER  
Sample Date: 11/03/2004 Time: 14:30 Reported: Received:

SITE: USFS 109

NO FLOW Date: 10/16/2004 Time: 12:15

SITE: USFS 110

NO FLOW Date: 10/16/2004 Time: 12:00

**SITE TYPE: UPDES Permit discharge point**

SITE: UT0022918-001

NO FLOW Date: 10/13/2004 Time: 09:20

NO FLOW Date: 10/27/2004 Time: 11:45

NO FLOW Date: 11/10/2004 Time: 09:05

NO FLOW Date: 11/17/2004 Time: 09:35

NO FLOW Date: 12/08/2004 Time: 11:30

NO FLOW Date: 12/27/2004 Time: 09:45

SITE: UT0022918-002

NO FLOW Date: 10/13/2004 Time: 09:30

NO FLOW Date: 10/27/2004 Time: 11:55

NO FLOW Date: 11/10/2004 Time: 08:50

NO FLOW Date: 11/17/2004 Time: 09:20

Laboratory: CTE 59-27141 Period:UPDS

Sample Date: 12/08/2004 Time: 11:40 Reported: 12/22/2004 Received: 12/08/2004

Laboratory: CTE 59-27194 Period:UPDS

Sample Date: 12/27/2004 Time: 09:55 Reported: 01/12/2005 Received: 12/27/2004

SITE: UT0022918-003A

Laboratory: CTE 59-26979 Period:UPDS

Sample Date: 10/13/2004 Time: 08:45 Reported: 10/21/2004 Received: 10/14/2004

Laboratory: CTE 59-27006 Period:UPDS

Sample Date: 10/27/2004 Time: 11:00 Reported: 11/05/2004 Received: 10/27/2004

Laboratory: CTE 59-27080 Period:UPDS

Sample Date: 11/10/2004 Time: 08:00 Reported: 11/16/2004 Received: 11/11/2004

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Laboratory: CTE 59-27114 Period:UPDS  
Sample Date: 11/17/2004 Time: 08:30 Reported: 12/07/2004 Received: 11/17/2004

Laboratory: CTE 59-27142 Period:UPDS  
Sample Date: 12/08/2004 Time: 10:05 Reported: 12/22/2004 Received: 12/08/2004

Laboratory: CTE 59-27195 Period:UPDS  
Sample Date: 12/27/2004 Time: 09:00 Reported: 01/12/2005 Received: 12/27/2004

SITE: UT0022918-003W  
Laboratory: OTH WET6178 Period:UPDS  
Sample Date: 12/27/2004 Time: 09:00 Reported: 01/10/2005 Received: 12/27/2004

**SITE TYPE: Well**

SITE: 01-8-1  
Laboratory: FLD 20041015-A Period:OPER  
Sample Date: 10/15/2004 Time: 16:00 Reported: Received:

SITE: 89-18-1  
Laboratory: FLD 20041015-8 Period:OPER  
Sample Date: 10/15/2004 Time: 12:30 Reported: Received:

SITE: 89-20-1  
Laboratory: FLD 20041016-2 Period:OPER  
Sample Date: 10/16/2004 Time: 13:00 Reported: Received:

SITE: 89-20-2W  
Laboratory: FLD 20041016-3 Period:OPER  
Sample Date: 10/16/2004 Time: 13:30 Reported: Received:

SITE: US-80-2  
Laboratory: FLD 20041015-6 Period:OPER  
Sample Date: 10/15/2004 Time: 15:40 Reported: Received:

SITE: US-81-4  
Laboratory: FLD 20041015-7 Period:OPER  
Sample Date: 10/15/2004 Time: 12:00 Reported: Received:

SITE: WRDS-B3  
DRY WELL Date: 12/17/2004 Time: 17:00

SITE: WRDS-B5  
DRY WELL Date: 12/17/2004 Time: 17:05

SITE: WRDS-B6  
Laboratory: CTE 59-27187 Period:OPER  
Sample Date: 12/17/2004 Time: 16:50 Reported: 01/12/2005 Received: 12/21/2004

SITE: WRDS-B8  
Laboratory: CTE 59-27186 Period:OPER  
Sample Date: 12/17/2004 Time: 16:20 Reported: 01/12/2005 Received: 12/21/2004

SITE: WRDS-B9  
DRY WELL Date: 12/17/2004 Time: 17:15