

From: Dana Dean
To: Hansen, Chris
Date: 3/24/04 10:37AM
Subject: Re: Sufco 2003 Fourth Quarter Water Monitoring

Chris,

I have now uploaded the Sufco 2003 fourth quarter data from the pipeline. A report is attached.

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> 03/23/04 07:19AM >>>
Pam:

We have successfully uploaded the Sufco 2003 4th Quarter water monitoring data to the EDI. I have also attached to this e-mail our annual map and data for FP-1 and FP-2 flow monitoring. The brief field data and accompanying map were prepared by Petersen Hydrologic. If you have any questions regarding this data, please give me a call.

Sincerely,

Chris Hansen

***** Email Disclaimer *****

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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: 10/17/2003 Time: 12:00

SITE TYPE: Other: in mine, roof drippers

SITE: 047
Laboratory: CTE 59-25901 Period:OPER
Sample Date: 11/05/2003 Time: 16:35 Reported: 11/19/2003 Received: 11/07/2003

SITE: LINK PORTAL-E
NO FLOW Date: 10/30/2003 Time: 17:35

SITE: LINK PORTAL-W
NO FLOW Date: 10/30/2003 Time: 17:00

SITE TYPE: Spring

SITE: 001
Laboratory: FLD 20031029-5 Period:OPER
Sample Date: 10/29/2003 Time: 11:00 Reported: Received:

SITE: 057A
NO FLOW Date: 10/29/2003 Time: 11:00

SITE: GW-13
Laboratory: FLD 20031017-1 Period:OPER
Sample Date: 10/17/2003 Time: 12:50 Reported: Received:

SITE: GW-20
NO FLOW Date: 10/27/2003 Time: 16:30

SITE: GW-21
Laboratory: FLD 20031029-4 Period:OPER
Sample Date: 10/29/2003 Time: 16:20 Reported: Received:

SITE: PINES 100
Laboratory: CTE 59-25885 Period:OPER
Sample Date: 10/30/2003 Time: 16:15 Reported: 11/17/2003 Received: 10/30/2003

SITE: PINES 105
Laboratory: FLD 20031017-4 Period:OPER
Sample Date: 10/17/2003 Time: 14:30 Reported: Received:

SITE: PINES 206
Laboratory: FLD 20031027-4 Period:OPER
Sample Date: 10/27/2003 Time: 14:30 Reported: Received:

SITE: PINES 209
Laboratory: FLD 20031027-2 Period:OPER
Sample Date: 10/27/2003 Time: 15:00 Reported: Received:

SITE: PINES 212
Laboratory: FLD 20031027-3 Period:OPER
Sample Date: 10/27/2003 Time: 13:30 Reported: Received:

SITE: PINES 214
Laboratory: FLD 20031017-5 Period:OPER
Sample Date: 10/17/2003 Time: 12:00 Reported: Received:

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SITE: PINES 218
NO FLOW Date: 10/27/2003 Time: 16:45

SITE: PINES 303
NO FLOW Date: 10/17/2003 Time: 13:00

SITE TYPE: Stream

SITE: 006
Laboratory: CTE 59-25883 Period:OPER
Sample Date: 10/30/2003 Time: 11:55 Reported: 11/13/2003 Received: 10/30/2003

SITE: 007
Laboratory: CTE 59-25884 Period:OPER
Sample Date: 10/30/2003 Time: 13:25 Reported: 11/13/2003 Received: 10/30/2003

SITE: 041
Laboratory: CTE 59-26033 Period:OPER
Sample Date: 12/11/2003 Time: 14:10 Reported: 12/29/2003 Received: 12/11/2003

SITE: 042
Laboratory: CTE 59-26034 Period:OPER
Sample Date: 12/11/2003 Time: 14:45 Reported: 12/29/2003 Received: 12/11/2003

SITE: 046
Laboratory: CTE 59-25903 Period:OPER
Sample Date: 11/05/2003 Time: 17:15 Reported: 11/19/2003 Received: 11/07/2003

SITE: 047A
Laboratory: CTE 59-25902 Period:OPER
Sample Date: 11/05/2003 Time: 16:45 Reported: 11/19/2003 Received: 11/07/2003

SITE: 090
Laboratory: FLD 20031027-1 Period:OPER
Sample Date: 10/27/2003 Time: 16:00 Reported: Received:

SITE: FP-1
NO FLOW Date: 10/27/2003 Time: 16:00

SITE: FP-2
NO FLOW Date: 10/27/2003 Time: 14:00

SITE: LINK 001
NO FLOW Date: 10/27/2003 Time: 16:45

SITE: LINK 002
NO FLOW Date: 10/27/2003 Time: 16:45

SITE: PINES 106
Laboratory: CTE 59-25821 Period:OPER
Sample Date: 10/17/2003 Time: 17:00 Reported: 10/23/2003 Received: 10/20/2003

SITE: PINES 302
NO FLOW Date: 12/05/2003 Time: 11:30

SITE: PINES 403
Laboratory: CTE 59-25996 Period:OPER
Sample Date: 12/05/2003 Time: 12:00 Reported: 12/15/2003 Received: 12/05/2003

SITE: PINES 405
Laboratory: FLD 20031205-9 Period:OPER
Sample Date: 12/05/2003 Time: 12:30 Reported: Received:
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SITE: PINES 406B

Laboratory: FLD 20031205-A Period:OPER

Sample Date: 12/05/2003 Time: 14:15 Reported: Received:

SITE: PINES 407

Laboratory: FLD 20031017-2 Period:OPER

Sample Date: 10/17/2003 Time: 15:30 Reported: Received:

SITE: PINES 408

Laboratory: FLD 20031017-3 Period:OPER

Sample Date: 10/17/2003 Time: 15:00 Reported: Received:

SITE: USFS 109

NO FLOW Date: 10/27/2003 Time: 16:15

SITE: USFS 110

NO FLOW Date: 08/21/2001 Time: 13:00

NO FLOW Date: 10/01/2001 Time: 15:50

NO FLOW Date: 05/09/2002 Time: 13:50

NO FLOW Date: 09/21/2002 Time: 12:00

NO FLOW Date: 10/09/2002 Time: 17:00

NO FLOW Date: 06/06/2003 Time: 18:10

NO FLOW Date: 08/05/2003 Time: 15:50

NO FLOW Date: 10/27/2003 Time: 16:20

SITE TYPE: UPDES Permit discharge point

SITE: UT0022918-001

NO FLOW Date: 12/03/2003 Time: 07:25

NO FLOW Date: 12/17/2003 Time: 08:20

SITE: UT0022918-002

NO FLOW Date: 12/03/2003 Time: 07:00

NO FLOW Date: 12/17/2003 Time: 07:50

SITE: UT0022918-003A

Laboratory: MSA 0312026 Period:OPER

Sample Date: 12/03/2003 Time: 06:00 Reported: 12/10/2003 Received: 12/04/2003

Laboratory: MSA 0312116 Period:OPER

Sample Date: 12/17/2003 Time: 07:00 Reported: 12/24/2003 Received: 12/18/2003

SITE: UT0022918-003W

Laboratory: OTH 5804 Period:UPDS

Sample Date: 02/16/2004 Time: 07:00 Reported: 02/18/2004 Received: 02/16/2004

SITE TYPE: Well

SITE: 01-8-1

Laboratory: FLD 20011001-A Period:BASE

Sample Date: 10/01/2001 Time: 18:30 Reported: Received:

Laboratory: FLD 20021030-5 Period:BASE

Sample Date: 10/30/2002 Time: 16:30 Reported: Received:

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Laboratory: FLD 20030529-G Period:BASE

Sample Date: 05/29/2003 Time: 16:00 Reported: Received:

Laboratory: FLD 20030919-A Period:BASE

Sample Date: 09/19/2003 Time: 17:00 Reported: Received:

Laboratory: FLD 20031027-5 Period:BASE

Sample Date: 10/27/2003 Time: 16:00 Reported: Received:

SITE: 89-18-1

Laboratory: FLD 20031030-1 Period:OPER

Sample Date: 10/30/2003 Time: 14:20 Reported: Received:

SITE: 89-20-1

Laboratory: FLD 20031030-2 Period:OPER

Sample Date: 10/30/2003 Time: 11:45 Reported: Received:

SITE: 89-20-2W

Laboratory: FLD 20031029-3 Period:OPER

Sample Date: 10/29/2003 Time: 14:35 Reported: Received:

SITE: US-80-2

Laboratory: FLD 20031029-1 Period:OPER

Sample Date: 10/29/2003 Time: 11:25 Reported: Received:

SITE: US-81-4

Laboratory: FLD 20031029-2 Period:OPER

Sample Date: 10/29/2003 Time: 11:45 Reported: Received:

SITE: WRDS-B3

DRY WELL Date: 12/11/2003 Time: 11:30

SITE: WRDS-B5

DRY WELL Date: 12/11/2003 Time: 11:35

SITE: WRDS-B6

Laboratory: CTE 59-26032 Period:OPER

Sample Date: 12/11/2003 Time: 11:20 Reported: 01/05/2004 Received: 12/11/2003

SITE: WRDS-B8

Laboratory: CTE 59-26031 Period:OPER

Sample Date: 12/11/2003 Time: 10:45 Reported: 01/13/2004 Received: 12/11/2003

SITE: WRDS-B9

DRY WELL Date: 12/11/2003 Time: 11:45