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WQ-004

From: Ken Wyatt
To: "CHansen@archcoal.com".MAIL.MNET; Mike Davis; Mike Suflita;
Pam Grubaugh-Littig; Sheila Morrison; Steve Demczak; Susan White
Date: 4/17/01 9:01AM
Subject: SUFCO Water Monitoring 4th quarter 2000 Processed

Howdy everyone,

Sorry if you get this twice. Email tends to lock up frequently as it did this morning so it was sent prematurely the first time.

Today I processed the SUFCO 4th quarter 2000 water monitoring data from the EDI pipeline to the main database files.. This included the following 46 samples.

006 CTE 59-21995 10/5/2000
007 CTE 59-21998 10/5/2000
041 CTE 59-21996 10/5/2000
042 CTE 59-21997 10/5/2000
046 CTE 59-21994 10/5/2000
047A CTE 59-21993 10/5/2000
090 FLD 10/6/2000
US-79-13 FLD 10/6/2000
US-80-2 FLD 10/6/2000
US-80-4 FLD 10/6/2000
US-81-4 FLD 10/6/2000
89-16-1 FLD 10/6/2000
89-16-1W FLD 10/6/2000
89-18-1 FLD 10/6/2000
89-20-1 FLD 10/6/2000
89-20-2W FLD 10/6/2000
047 CTE 59-21992 10/5/2000
057A NOF 10/6/2000
089 FLD 10/6/2000
GW-13 FLD 10/6/2000
GW-21 FLD 10/6/2000
WRDS-B3 FLD 10/5/2000
WRDS-B5 FLD 10/6/2000
WRDS-B6 CTE 59-22000 10/5/2000
WRDS-B8 CTE 59-21999 10/5/2000
WRDS-B9 FLD 10/6/2000
001 FLD 10/6/2000
GW-20 NOF 10/5/2000
Pines 209 CTE 59-22194 11/14/2000
Pines 212 CTE 59-22195 11/14/2000
Pines 407 CTE 59-22200 11/16/2000
Pines 408 CTE 59-22201 11/16/2000
Pines 106 CTE 59-22199 11/16/2000
Pines 302 NOF 12/6/2000
Pines 403 CTE 59-22263 12/6/2000
Pines 405 CTE 59-22264 12/6/2000
USFS NOF 10/6/2000
FP-1 FLD 10/6/2000
FP-2 FLD 10/17/2000

Pines 100 CTE 59-22196 11/14/2000
Pines 105 CTE 59-22198 11/16/2000
Pines 206 CTE 59-22193 11/14/2000
Pines 214 CTE 59-22197 11/16.2000
Pines 218 FLD 11/14/2000
Pines 303 CTE 59-22262 12/6/2000
Pines 406B CTE 59-22265 12/6/2000

The programming work to add a flow or depth qualifier is under way but has not been completed. This work is being done to deal with water levels in wells which are below the well bottom and also to qualify flow determinations which are estimated due to ice, snow or other obstructions.

If you any questions please contact me.

Sincerely,
Ken Wyatt
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>>> Chris Hansen <CHansen@archcoal.com> 03/30/01 01:20PM >>>

Dear Pam:

We completed uploading all but four of the SUFCO 2000 Fourth Quarter Water Monitoring site data to the Division's EDI system. The four sites we did not upload were stream sites that had significant ice cover when sampled. An accurate flow volume was not determined at the time but an estimate of flow was made. Mike Davis of SUFCO has been discussing this dilemma with Ken Wyatt and how best to report it. He mentioned that he would discuss this issue with others on your staff as to how best to solve this reporting problem. Once a consensus is reached, the remaining four sites will be uploaded to the EDI.

Also, as part of the fourth quarter reporting, our M&RP requires us to provide records of monthly flows from two stations in Box Canyon Creek. Since we have data recorders installed at these two sites, we are able to provide the Division with 15 minute interval flow measurements taken at the sites. I have attached to this message three excel files containing the corrected flow data and a graph illustrating flow vs. time from the two sites. We are lacking October's electronic data since we had planned to remove the data loggers from the sites but were unable to. When we finally got to the sites in late October, the loggers were frozen in place. However, the data is still in the loggers and will be retrieved in the Spring of 2001. The October 2000 data will be forwarded to your staff as soon as it is available.

Finally, the M&RP requires us to provide to the Division maps of the surface flows at sampling points FP-1 and FP-2. I am delivering those to the Division's office today with a cover letter. We intend to provide electronic maps of these sites in the future.

If you have any questions regarding the SUFCO Fourth Quarter Water Monitoring submittal, please do not hesitate to give me a call.

Sincerely,

Chris D. Hansen