

0017

INTERNAL
01/007/000
WQ 00-9
WQ 00-4

From: Ken Wyatt
To: "dave.miller@lodestareng.com".MAIL.INET; Dave Darby; Gregg Galecki; Pam Grubaugh-Littig
Date: 5/21/01 2:47PM
Subject: Horizon Mine 3rd & 4th Quarter 2000 Water Monitoring Data processed

Hi all,

Today I processed the existing water quality data from the Horizon Mine pipeline. This included data from the 3rd and 4th quarters 2000. Samples followed by an asterisk indicate that some parameter values had not been verified for this sample. These two samples are discussed below. The following 27 samples were processed.

SP-1 CTE 59-21960 9/27/2000
SP-1 CTE 59-22207 11/19/2000 **
SP-2 NOF 9/19/2000
SP-2 NOF 11/19/2000
SP-4 CTE 59-21963 9/27/2000
SP-4 NOF 11/19/2000
SP-9 CTE 59-21962 9/27/2000
SP-9 NOA 11/19/2000
GV-70 CTE 59-21961 9/27/2000
GV-70 CTE 59-22206 11/19/2000
2-6-W CTE 59-21876 9/19/2000
2-6-W NOA 11/19/2000
SS-3 CTE 59-21874 9/19/2000
SS-3 CTE 59-22204 11/19/2000
SS-5 CTE 59-21875 9/19/2000
SS-5 CTE 59-22205 11/19/2000
SS-7 CTE 59-219658 9/27/2000 **
SS-7 NOA 11/19/2000
SS-8 CTE 59-21957 9/27/2000
SS-8 NOA 11/19/2000
SS-10 CTE 59-21955 9/27/2000
SS-10 NOA 11/19/2000
SS-11 CTE 59-21956 9/27/2000
SS-11 NOA 11/19/2000
SS-12 NOA 11/19/2000
AB CCS FLD 11/19/2000
BL CCS FLD 11/19/2000

Two samples had data that exceeded 2 standard deviations of existing data for those sites. The values were not approved by the operator. I approved it with a comment "As submitted." The specific parameters and values are listed below for the 2 samples.

SP-1 CT 59-22207 11/19/2000 **
Bicarbonate = 489 mg/l
Tot. Alk = 401 mg/l
Tot. Anions = 9.5 meq/l
Diss. Mg = 39 mg/l
Diss. K = 4 mg/l
S04 = 55 mg/l
TDS = 481 mg/l

SS-7 CTE 59-219658 9/27/2000 **
Tot. Alk. = 287 mg/l

This removes all samples in the pipeline for the Horizon mine. If you have any questions or comments, please contact me.

Sincerely,
Ken Wyatt
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CC: Dave Johnson; Sheila Morrison