

0016

Outgoing 00150009

From: Jim Smith
To: Dana Dean; Dennis Oakley
Date: 10/17/2006 2:12:22 PM
Subject: RE: 2nd Quarter Water Quality Data

TM-1B now has ortho phosphate for baseline, rather than total phosphate.

According to Appendix A, II.A.Groundwater Monitoring.In-Mine, operational field parameters at in-mine sites are temperature and flow only (MNME and TW10 are the only PacifiCorp in-mine sites currently monitored). Appendix A, Table 2 indicates ground-water baseline field parameters include DO, pH, and EC, but the statement under II.A.Groundwater Monitoring.In-Mine that pH, EC, and DO will not be measured in mines is unclear as to whether or not it applies to baseline monitoring.

I think not requiring DO measurement underground is a given.

Quarterly monitoring of these underground sites includes TDS, and although not on the parameter lists, lab pH and EC seem to be done routinely. Also, there is no AMD problem and water is analyzed again if it is discharged. So, I think EC, DO, and pH can reasonably and safely be skipped in baseline monitoring at in-mine sites.

>>> Dana Dean 09/26/2006 5:05 PM >>>
Dennis,

Thanks, I will let Jim, who is familiar with the required sampling alert you of any different interpretation than you have explained here.

Thanks,
Dana

>>> "Oakley, Dennis" <Dennis.Oakley@PacifiCorp.com> 9/20/2006 8:08 AM >>>
Dana,

Site 18-1-1 has been entered into the database and is ready for download into the EDI system. TM1B, as well as all ground water samples, require Ortho Phosphate reported as P. MNME and TW10 do not require field parameters taken. However, MNME lab analysis shows a pH of 7.89 and a EC of 910 umhos/cm. TW10 lab analysis shows a pH of 7.22 and a EC of 701 umhos/cm. Please refer to Volume 9, Appendix A for all required sampling sites and parameters.

If you have any concerns with the information I have shared, please contact me asap.

Thanks!

Dennis Oakley
Senior Environmental Engineer

Energy West Mining Company
15 North Main Street
P.O. Box 310
Huntington, Utah 84528

Phone: 435.687.4825

Cell: 435.636.5053
Fax: 435.687.2695
e-mail: dennis.oakley@pacificorp.com

Live and work with integrity, and everything else is a piece of cake.

- Pat Salvatore -

-----Original Message-----

From: Dana Dean [<mailto:danadean@utah.gov>]
Sent: Tuesday, September 19, 2006 6:10 PM
To: Oakley, Dennis
Cc: Jim Smith; Pete Hess; Steve Demczak
Subject: Re: 2nd Quarter Water Quality Data

Dennis,

I have made the changes from operational to baseline that you requested. I have uploaded all of the information for Cottonwood/Wilberg, Trail Mountain, and Deer Creek from the pipeline into the database. A report is attached.

As a reminder, according to parameters set by the assigned hydrologist, you are still missing a sample for 18-1-1 at Trail Mountain. You are also missing total phosphorous at TM-1b, and pH and Specific Conductivity at Main N Main E, and TW-10.

Please let me know if you have any questions.

Thank you,

Dana Dean, P.E.
Senior Reclamation Hydrologist
Utah Division of Oil, Gas, and Mining
(801) 538-5320
danadean@utah.gov

>>> "Oakley, Dennis" <Dennis.Oakley@PacifiCorp.com> 9/18/2006 9:12 AM

>>>

Pam,

The 2nd quarter 2006 water quality data submittal has been completed. Prior to uploading, please change the following sites from operational samples to baseline samples:

Deer Creek Mine
RCF1 59-28836
HCC02 59-28852
MFA1 for April and June

Cottonwood
GWR01 for April and May
GWR01 for April, May and June
GWR03 for April and May

When this action is completed, please upload these data into the EDI master file. If there are any problems or concerns with this submittal, please contact me at the numbers below.

Best Regards,

Dennis Oakley
Senior Environmental Engineer

Energy West Mining Company
15 North Main Street
P.O. Box 310
Huntington, Utah 84528

Phone: 435.687.4825
Cell: 435.636.5053
Fax: 435.687.2695
e-mail: dennis.oakley@pacificorp.com

Live and work with integrity, and everything else is a piece of cake.

- Pat Salvatore -

This email is confidential and may be legally privileged.

It is intended solely for the addressee. Access to this email by anyone else, unless expressly approved by the sender or an authorized addressee, is unauthorized.

If you are not the intended recipient, any disclosure, copying, distribution or any action omitted or taken in reliance on it, is prohibited and may be unlawful. If you believe that you have received this email in error, please contact the sender, delete this e-mail and destroy all copies.
