0046

Outgoing
C/015/0019
C/015/0018
C/015/0009

From: Jim Smith
To: Guy Davis; OGMCOAL
Date: 12/31/2008 8:59 AM
Subject: Re: Energy West Mining Company / 2nd Quarter 2008 Water Data
Place: OGMCOAL
Attachments: CttnWd Mine upload and parameter report.2nd Qtr2008.doc; Deer Creek Mine up load and parameter report.2nd Qtr2008.doc; Trail Mountain #9 Mine upload an d parameter report.2nd Qtr2008.doc

Guy:

I sent you the Upload and Parameter report for the 3rd Qtr. on 12/2/2008. I thought I had previously sent the report for the 2nd Qtr., but I can't find a record of doing so. Therefore, I'm sending the 2nd Qtr. Upload and Parameter now. If you have already received a copy of this 2nd Qtr report, just ignore this one. Thanks.

I have uploaded all of the information for the Deer Creek, Trail Mountain, and Cottonwood/Wilberg Mines from the pipeline into the permanent database. Upload and Parameter Reports are attached. Based on these reports, generated by the APPX database , it appears you have sampled all required sites for the 2nd quarter 2008 for the Deer Creek, Trail Mountain, and Cottonwood/Wilberg Mines. This will be verified by the assigned hydrologist, but you may want to verify for yourself first to avoid having delinquent data.

Please let me know if you have any questions

Jim Smith
Environmental Scientist
UDOGM
(801) 538-5262

Oil, Gas and Mining
12/31/2008
OFFICIAL UPLOAD and PARAMETER REPORT
2nd QUARTER 2008
PACIFICORP: COTTONWOOD/WILBERG MINE

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SITE TYPE: Stream

SITE: CCC1 USGS FLUME

NO FLOW Date: 04/17/2008 Time: 12:50

Laboratory: FLD 20080523-2 Period:OPER
Sample Date: 05/23/2008 Time: 11:32 Reported: Received:
11-Flow 155.000000 GPM Method: ALL OTHE

Laboratory: FLD 20080616-1 Period:OPER
Sample Date: 06/16/2008 Time: 13:20 Reported: Received:
1-Field Water Temperature 15.000000 Deg. C Method: NONE
2-pH (fld) 8.400000 pH units Method: NONE
4-Sp. Conductivity (fld) 840.000000 umhos/cm Method: NONE
11-Flow 54.000000 GPM Method: ALL OTHE

SITE: GWR01

NO FLOW Date: 04/22/2008 Time: 10:11

NO FLOW Date: 05/23/2008 Time: 12:25

NO FLOW Date: 06/16/2008 Time: 13:55

SITE: GWR02

NO FLOW Date: 04/22/2008 Time: 09:56

NO FLOW Date: 05/23/2008 Time: 12:12

NO FLOW Date: 06/16/2008 Time: 13:58

SITE: GWR03

Laboratory: FLD 20080422-1 Period:OPER
Sample Date: 04/22/2008 Time: 09:47 Reported: Received:
11-Flow 3.750000 GPM Method: ALL OTHE

Laboratory: FLD 20080523-1 Period:OPER
Sample Date: 05/23/2008 Time: 12:04 Reported: Received:
11-Flow 4.600000 GPM Method: ALL OTHE

NO FLOW Date: 06/16/2008 Time: 14:00

SITE TYPE: UPDES Permit discharge point

SITE: -004 MILLER CYN

NO FLOW Date: 04/01/2008 Time: 12:00

NO FLOW Date: 05/01/2008 Time: 12:00

NO FLOW Date: 06/02/2008 Time: 12:00

SITE: UT0022896-001

Laboratory: CTE 59-31032 Period:UPDS

Sample Date: 04/01/2008 Time: 10:25 Reported: 04/14/2008 Received: 04/01/2008

1-Field Water Temperature		10.400000 Deg. C	Method: NONE
2-pH (fld)		7.450000 pH units	Method: NONE
4-Sp. Conductivity (fld)		1054.000000 umhos/cm	Method: NONE
11-Flow		21.260000 GPM	Method: ALL OTHE
14-pH (lab)		7.420000 pH units	Method: SM4500-H
16-Total Suspended Solids	<	5.000000 mg/l	Method: SM2540-D
36-Dissolved Calcium		119.780000 mg/l	Method: EPA 200.
40-Dissolved Iron	<	.030000 mg/l	Method: EPA 200.
42-Dissolved Magnesium		72.240000 mg/l	Method: EPA 200.
43-Dissolved Manganese	<	.002000 mg/l	Method: EPA 200.
45-Dissolved Potassium		6.700000 mg/l	Method: EPA 200.
48-Dissolved Sodium		36.960000 mg/l	Method: EPA 200.
53-Chloride		16.000000 mg/l	Method: EPA 300.
60-Sulfate		249.000000 mg/l	Method: EPA 300.
62-Total Alkalinity as CaCO3		379.000000 mg/l	Method: SM2320-B
63-Total Hardness as CaCO3		597.000000 mg/l	Method: SM2340-B
67-Specific Conductivity (Lab)		1182.000000 umhos/cm	Method: SM2510-B
68-Total Dissolved Solids @ 180 C		765.000000 mg/l	Method: SM2540-C
71-Bicarbonate as CaCO3		379.000000 mg/l	Method: SM2320-B
72-Carbonate as CaCO3	<	5.000000 mg/l	Method: SM2320-B
133-Total Cations		13.700000 meq/l	Method: SM1030
134-Total Anions		13.200000 meq/l	Method: SM1030
135-Cation/Anion Balance		1.800000 PC DIFF	Method: PC. DIFF
145-Total Iron	<	.050000 mg/l	Method: EPA 200.
149-Total Manganese	<	.002000 mg/l	Method: EPA 200.

Laboratory: SGS 5980020101 Period:UPDS

Sample Date: 05/01/2008 Time: 09:30 Reported: 05/12/2008 Received: 05/01/2008

1-Field Water Temperature		11.100000 Deg. C	Method: NONE
2-pH (fld)		7.370000 pH units	Method: NONE
4-Sp. Conductivity (fld)		1091.000000 umhos/cm	Method: NONE
11-Flow		12.640000 GPM	Method: ALL OTHE
14-pH (lab)		7.560000 pH units	Method: SM4500-H
16-Total Suspended Solids	<	5.000000 mg/l	Method: SM2540-D
36-Dissolved Calcium		119.220000 mg/l	Method: EPA 200.
40-Dissolved Iron	<	.030000 mg/l	Method: EPA 200.
42-Dissolved Magnesium		72.710000 mg/l	Method: EPA 200.
43-Dissolved Manganese	<	.002000 mg/l	Method: EPA 200.
45-Dissolved Potassium		6.770000 mg/l	Method: EPA 200.
48-Dissolved Sodium		35.860000 mg/l	Method: EPA 200.
53-Chloride		15.000000 mg/l	Method: EPA 300.
60-Sulfate		248.000000 mg/l	Method: EPA 300.
62-Total Alkalinity as CaCO3		382.000000 mg/l	Method: SM2320-B
63-Total Hardness as CaCO3		597.000000 mg/l	Method: SM2340-B
67-Specific Conductivity (Lab)		1172.000000 umhos/cm	Method: SM2510-B
68-Total Dissolved Solids @ 180 C		762.000000 mg/l	Method: SM2540-C
71-Bicarbonate as CaCO3		382.000000 mg/l	Method: SM2320-B
72-Carbonate as CaCO3	<	5.000000 mg/l	Method: SM2320-B
133-Total Cations		13.700000 meq/l	Method: SM1030
134-Total Anions		13.200000 meq/l	Method: SM1030
135-Cation/Anion Balance		1.600000 PC DIFF	Method: PC. DIFF
145-Total Iron	<	.050000 mg/l	Method: EPA 200.
149-Total Manganese	<	.002000 mg/l	Method: EPA 200.

Laboratory: SGS 5980032001 Period:UPDS

Sample Date: 06/02/2008 Time: 10:40 Reported: 06/12/2008 Received: 06/02/2008

1-Field Water Temperature		11.200000 Deg. C	Method: NONE
2-pH (fld)		7.100000 pH units	Method: NONE
4-Sp. Conductivity (fld)		1165.000000 umhos/cm	Method: NONE
11-Flow		23.660000 GPM	Method: ALL OTHE
14-pH (lab)		7.470000 pH units	Method: SM4500-H
16-Total Suspended Solids	<	5.000000 mg/l	Method: SM2540-D
36-Dissolved Calcium		117.660000 mg/l	Method: EPA 200.
40-Dissolved Iron	<	.030000 mg/l	Method: EPA 200.
42-Dissolved Magnesium		71.670000 mg/l	Method: EPA 200.
43-Dissolved Manganese	<	.002000 mg/l	Method: EPA 200.
45-Dissolved Potassium		6.530000 mg/l	Method: EPA 200.
48-Dissolved Sodium		35.340000 mg/l	Method: EPA 200.
53-Chloride		15.000000 mg/l	Method: EPA 300.
60-Sulfate		247.000000 mg/l	Method: EPA 300.

62-Total Alkalinity as CaCO3 378.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 589.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 1128.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 759.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 378.000000 mg/l Method: SM2320-B
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
133-Total Cations 13.500000 meq/l Method: SM1030
134-Total Anions 13.100000 meq/l Method: SM1030
135-Cation/Anion Balance 1.300000 PC DIFF Method: PC. DIFF
145-Total Iron < .050000 mg/l Method: EPA 200.
149-Total Manganese < .002000 mg/l Method: EPA 200.

SITE: UT0022896-003

NO FLOW Date: 04/01/2008 Time: 12:00

NO FLOW Date: 05/01/2008 Time: 12:00

NO FLOW Date: 06/02/2008 Time: 12:00

SITE: UT0022896-005

NO FLOW Date: 04/01/2008 Time: 12:00

NO FLOW Date: 05/01/2008 Time: 12:00

NO FLOW Date: 06/02/2008 Time: 12:00

SITE TYPE: Well

SITE: WCWR1

Laboratory: SGS 5980035501 Period:OPER
Sample Date: 06/16/2008 Time: 14:16 Reported: 06/30/2008 Received: 06/16/2008
1-Field Water Temperature 17.500000 Deg. C Method: NONE
2-pH (fld) 7.820000 pH units Method: NONE
3-Dissolved Oxygen (field) 1.800000 mg/l Method: NONE
4-Sp. Conductivity (fld) 17620.000000 umhos/cm Method: NONE
8-Depth 17.500000 feet Method: ALL OTHE
This Parameter is out by 2.92 Standard Deviations(STD). One STD is 10.54 with a mean of 48.30.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
14-pH (lab) 7.720000 pH units Method: SM4500-H
36-Dissolved Calcium 519.160000 mg/l Method: EPA 200.
This Parameter is out by 2.07 Standard Deviations(STD). One STD is 90.63 with a mean of 331.94.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
40-Dissolved Iron 37.770000 mg/l Method: EPA 200.
This Parameter is out by 9.99 Standard Deviations(STD). One STD is 3.42 with a mean of 0.97.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
42-Dissolved Magnesium 848.490000 mg/l Method: EPA 200.
43-Dissolved Manganese .020000 mg/l Method: EPA 200.
45-Dissolved Potassium 53.440000 mg/l Method: EPA 200.
48-Dissolved Sodium 3250.000000 mg/l Method: EPA 200.
51-Acidity as CaCO3 18.000000 mg/l Method: D1067-92
53-Chloride 2482.000000 mg/l Method: EPA 300.
60-Sulfate 7104.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 416.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 4790.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 17600.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 15390.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 416.000000 mg/l Method: SM2320-B
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B

133-Total Cations	238.400000	meq/l	Method: SM1030
134-Total Anions	226.200000	meq/l	Method: SM1030
135-Cation/Anion Balance	2.600000	PC DIFF	Method: PC. DIFF
145-Total Iron	.820000	mg/l	Method: EPA 200.
149-Total Manganese	.020000	mg/l	Method: EPA 200.

C:\Documents and Settings\OGMUSER\Desktop\Status of Quarterly Reports and Upload Letters\Status of quarterly reports, 2008\Upload letters\2nd Qtr 2008\CttnWd Mine upload and parameter report.2nd Qtr2008.doc

Oil, Gas and Mining
12/31/2008
OFFICIAL UPLOAD and PARAMETER REPORT
2nd QUARTER 2008
PACIFICORP: DEER CREEK MINE

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SITE TYPE: Other: in mine, roof drippers

SITE: MAIN N MAIN E

Laboratory: SGS 5980036501 Period:OPER
Sample Date: 06/18/2008 Time: 10:28 Reported: 07/09/2008 Received: 06/18/2008

1-Field Water Temperature		7.100000 Deg. C	Method: NONE
11-Flow		.200000 GPM	Method: ALL OTHE
14-pH (lab)		8.070000 pH units	Method: SM4500-H
36-Dissolved Calcium		96.250000 mg/l	Method: EPA 200.
40-Dissolved Iron	<	.030000 mg/l	Method: EPA 200.
42-Dissolved Magnesium		57.980000 mg/l	Method: EPA 200.
43-Dissolved Manganese	<	.002000 mg/l	Method: EPA 200.
45-Dissolved Potassium		3.040000 mg/l	Method: EPA 200.
48-Dissolved Sodium		19.310000 mg/l	Method: EPA 200.
51-Acidity as CaCO3	<	5.000000 mg/l	Method: D1067-92
53-Chloride		7.000000 mg/l	Method: EPA 300.
60-Sulfate		154.000000 mg/l	Method: EPA 300.
62-Total Alkalinity as CaCO3		331.000000 mg/l	Method: SM2320-B
63-Total Hardness as CaCO3		479.000000 mg/l	Method: SM2340-B
67-Specific Conductivity (Lab)		885.000000 umhos/cm	Method: SM2510-B
68-Total Dissolved Solids @ 180 C		578.000000 mg/l	Method: SM2540-C
71-Bicarbonate as CaCO3		331.000000 mg/l	Method: SM2320-B
72-Carbonate as CaCO3	<	5.000000 mg/l	Method: SM2320-B
133-Total Cations		10.500000 meq/l	Method: SM1030
134-Total Anions		10.000000 meq/l	Method: SM1030
135-Cation/Anion Balance		2.300000 PC DIFF	Method: PC. DIFF
145-Total Iron	<	.050000 mg/l	Method: EPA 200.
149-Total Manganese	<	.002000 mg/l	Method: EPA 200.

SITE: TW-10

Laboratory: SGS 5980036502 Period:OPER
Sample Date: 06/18/2008 Time: 10:56 Reported: 07/09/2008 Received: 06/18/2008

1-Field Water Temperature		6.700000 Deg. C	Method: NONE
11-Flow		2.220000 GPM	Method: ALL OTHE
14-pH (lab)		7.500000 pH units	Method: SM4500-H
36-Dissolved Calcium		74.160000 mg/l	Method: EPA 200.
40-Dissolved Iron	<	.030000 mg/l	Method: EPA 200.
42-Dissolved Magnesium		36.530000 mg/l	Method: EPA 200.
43-Dissolved Manganese	<	.002000 mg/l	Method: EPA 200.
45-Dissolved Potassium		1.270000 mg/l	Method: EPA 200.
48-Dissolved Sodium		15.430000 mg/l	Method: EPA 200.
51-Acidity as CaCO3		31.000000 mg/l	Method: D1067-92

This Parameter is out by 2.99 Standard Deviations(STD). One STD is 5.77 with a mean of 13.74.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported

53-Chloride		4.000000 mg/l	Method: EPA 300.
60-Sulfate		45.000000 mg/l	Method: EPA 300.
62-Total Alkalinity as CaCO3		304.000000 mg/l	Method: SM2320-B
63-Total Hardness as CaCO3		336.000000 mg/l	Method: SM2340-B
67-Specific Conductivity (Lab)		648.000000 umhos/cm	Method: SM2510-B
68-Total Dissolved Solids @ 180 C		377.000000 mg/l	Method: SM2540-C
71-Bicarbonate as CaCO3		304.000000 mg/l	Method: SM2320-B
72-Carbonate as CaCO3	<	5.000000 mg/l	Method: SM2320-B
133-Total Cations		7.400000 meq/l	Method: SM1030
134-Total Anions		7.100000 meq/l	Method: SM1030
135-Cation/Anion Balance		1.900000 PC DIFF	Method: PC. DIFF
145-Total Iron	<	.050000 mg/l	Method: EPA 200.
149-Total Manganese	<	.002000 mg/l	Method: EPA 200.

SITE TYPE: Spring

SITE: MINE SITE 4

Laboratory: SGS 5980036503 Period:OPER
Sample Date: 06/18/2008 Time: 13:06 Reported: 08/06/2008 Received: 06/18/2008

1-Field Water Temperature		15.800000 Deg. C	Method: NONE
2-pH (fld)		8.060000 pH units	Method: NONE
4-Sp. Conductivity (fld)		2750.000000 umhos/cm	Method: NONE
11-Flow		1.900000 GPM	Method: ALL OTHE
14-pH (lab)		8.230000 pH units	Method: SM4500-H
19-Oil/Grease	<	5.000000 mg/l	Method: EPA 1664
31-Ammonia as N	<	.100000 mg/l	Method: SM4500-B
32-Dissolved Arsenic	<	.010000 mg/l	Method: EPA 200.
35-Dissolved Cadmium	<	.001000 mg/l	Method: EPA 200.
36-Dissolved Calcium		253.010000 mg/l	Method: EPA 200.
39-Dissolved Copper		.020000 mg/l	Method: EPA 200.
40-Dissolved Iron	<	.030000 mg/l	Method: EPA 200.
41-Dissolved Lead	<	.010000 mg/l	Method: EPA 200.
42-Dissolved Magnesium		271.230000 mg/l	Method: EPA 200.
43-Dissolved Manganese	<	.002000 mg/l	Method: EPA 200.
45-Dissolved Potassium		16.760000 mg/l	Method: EPA 200.
48-Dissolved Sodium		38.850000 mg/l	Method: EPA 200.
49-Dissolved Zinc		.019000 mg/l	Method: EPA 200.
51-Acidity as CaCO3		17.000000 mg/l	Method: D1067-92
53-Chloride		28.000000 mg/l	Method: EPA 300.
56-Nitrate as N		.060000 mg/l	Method: EPA 300.
57-Nitrite as N	<	.050000 mg/l	Method: EPA 300.
58-Ortho. Phosphate	<	.050000 mg/l	Method: EPA 300.
60-Sulfate		11445.000000 mg/l	Method: EPA 300.
62-Total Alkalinity as CaCO3		370.000000 mg/l	Method: SM2320-B
63-Total Hardness as CaCO3		1749.000000 mg/l	Method: SM2340-B
67-Specific Conductivity (Lab)		2610.000000 umhos/cm	Method: SM2510-B
68-Total Dissolved Solids @ 180 C		2371.000000 mg/l	Method: SM2540-C
71-Bicarbonate as CaCO3		370.000000 mg/l	Method: SM2320-B
72-Carbonate as CaCO3	<	5.000000 mg/l	Method: SM2320-B
113-Dissolved Aluminum	<	.030000 mg/l	Method: EPA 200.
129-Dissolved Molybdenum	<	.005000 mg/l	Method: EPA 200.
133-Total Cations		37.100000 meq/l	Method: SM1030
134-Total Anions		38.300000 meq/l	Method: SM1030
135-Cation/Anion Balance		1.600000- PC DIFF	Method: PC. DIFF
145-Total Iron	<	.050000 mg/l	Method: EPA 200.
149-Total Manganese	<	.002000 mg/l	Method: EPA 200.

SITE: NEWUA METER-2

NO ACCESS Date: 04/23/2008 Time: 11:34
Comments: Valve Problems

NO ACCESS Date: 05/28/2008 Time: 12:00

NO ACCESS Date: 06/17/2008 Time: 13:16
Comments: Valve Problems

SITE: NEWUA METER-3

Laboratory: FLD 20080423-B Period:OPER
Sample Date: 04/23/2008 Time: 11:36 Reported: Received:

11-Flow	100.000000 GPM	Method: ALL OTHE

Laboratory: FLD 20080528-T Period:BASE
Sample Date: 05/28/2008 Time: 12:00 Reported: Received:

11-Flow	10.000000 GPM	Method: ALL OTHE

Laboratory: SGS 5980036201 Period:OPER
Sample Date: 06/17/2008 Time: 13:21 Reported: 06/30/2008 Received: 06/17/2008

1-Field Water Temperature	7.500000 Deg. C	Method: NONE
2-pH (fld)	7.700000 pH units	Method: NONE
3-Dissolved Oxygen (field)	10.570000 mg/l	Method: NONE

4-Sp. Conductivity (fld) 623.000000 umhos/cm Method: NONE
11-Flow 158.000000 GPM Method: ALL OTHE
14-pH (lab) 7.610000 pH units Method: SM4500-H
19-Oil/Grease < 5.000000 mg/l Method: EPA 1664
36-Dissolved Calcium 75.790000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 47.280000 mg/l Method: EPA 200.
43-Dissolved Manganese < .002000 mg/l Method: EPA 200.
45-Dissolved Potassium 1.840000 mg/l Method: EPA 200.
48-Dissolved Sodium 13.240000 mg/l Method: EPA 200.
51-Acidity as CaCO3 25.000000 mg/l Method: D1067-92
53-Chloride 8.000000 mg/l Method: EPA 300.
60-Sulfate 68.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 297.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 384.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 742.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 401.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 297.000000 mg/l Method: SM2320-B
This Parameter is out by 2.20 Standard Deviations(STD). One STD is 7.44 with a mean of 313.38.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
133-Total Cations 8.300000 meq/l Method: SM1030
134-Total Anions 7.600000 meq/l Method: SM1030
135-Cation/Anion Balance 4.500000 PC DIFF Method: PC. DIFF
145-Total Iron .420000 mg/l Method: EPA 200.
149-Total Manganese .003000 mg/l Method: EPA 200.

SITE TYPE: Stream

SITE: DCR01

NO FLOW Date: 04/23/2008 Time: 13:24

Laboratory: FLD 20080528-6 Period:OPER
Sample Date: 05/28/2008 Time: 15:00 Reported: Received:
11-Flow 134.000000 GPM Method: ALL OTHE

Laboratory: SGS 5980036206 Period:OPER
Sample Date: 06/17/2008 Time: 14:12 Reported: 06/30/2008 Received: 06/17/2008
1-Field Water Temperature 13.100000 Deg. C Method: NONE
2-pH (fld) 8.830000 pH units Method: NONE
3-Dissolved Oxygen (field) 9.670000 mg/l Method: NONE
4-Sp. Conductivity (fld) 468.000000 umhos/cm Method: NONE
11-Flow 210.000000 GPM Method: ALL OTHE
14-pH (lab) 8.710000 pH units Method: SM4500-H
16-Total Suspended Solids 17.000000 mg/l Method: SM2540-D
19-Oil/Grease < 5.000000 mg/l Method: EPA 1664
36-Dissolved Calcium 39.540000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 26.310000 mg/l Method: EPA 200.
43-Dissolved Manganese < .002000 mg/l Method: EPA 200.
45-Dissolved Potassium .960000 mg/l Method: EPA 200.
48-Dissolved Sodium 32.660000 mg/l Method: EPA 200.
51-Acidity as CaCO3 < 5.000000 mg/l Method: D1067-92
53-Chloride 4.000000 mg/l Method: EPA 300.
60-Sulfate 34.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 224.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 207.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 529.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 268.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 205.000000 mg/l Method: SM2320-B
72-Carbonate as CaCO3 18.000000 mg/l Method: SM2320-B
133-Total Cations 5.600000 meq/l Method: SM1030
134-Total Anions 5.300000 meq/l Method: SM1030
135-Cation/Anion Balance 2.800000 PC DIFF Method: PC. DIFF
145-Total Iron < .050000 mg/l Method: EPA 200.
149-Total Manganese < .002000 mg/l Method: EPA 200.

SITE: DCR04

Laboratory: FLD 20080423-2 Period:OPER
Sample Date: 04/23/2008 Time: 14:06 Reported: Received:
11-Flow 1135.000000 GPM Method: ALL OTHE

Laboratory: FLD 20080528-7 Period:BASE
Sample Date: 05/28/2008 Time: 15:15 Reported: Received:
11-Flow 614.000000 GPM Method: ALL OTHE

Laboratory: SGS 5980036207 Period:OPER
Sample Date: 06/17/2008 Time: 14:30 Reported: 06/30/2008 Received: 06/17/2008
1-Field Water Temperature 15.100000 Deg. C Method: NONE
2-pH (fld) 8.540000 pH units Method: NONE
3-Dissolved Oxygen (field) 10.000000 mg/l Method: NONE
4-Sp. Conductivity (fld) 643.000000 umhos/cm Method: NONE
11-Flow 1282.000000 GPM Method: ALL OTHE
14-pH (lab) 8.640000 pH units Method: SM4500-H
16-Total Suspended Solids 6.000000 mg/l Method: SM2540-D
19-Oil/Grease < 5.000000 mg/l Method: EPA 1664
36-Dissolved Calcium 49.250000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 38.580000 mg/l Method: EPA 200.
43-Dissolved Manganese < .002000 mg/l Method: EPA 200.
45-Dissolved Potassium 3.150000 mg/l Method: EPA 200.
48-Dissolved Sodium 47.170000 mg/l Method: EPA 200.
51-Acidity as CaCO3 < 5.000000 mg/l Method: D1067-92
53-Chloride 41.000000 mg/l Method: EPA 300.
60-Sulfate 66.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 245.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 282.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 761.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 395.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 230.000000 mg/l Method: SM2320-B
This Parameter is out by 2.92 Standard Deviations(STD). One STD is
16.42 with a mean of 277.93.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
72-Carbonate as CaCO3 15.000000 mg/l Method: SM2320-B
133-Total Cations 7.800000 meq/l Method: SM1030
134-Total Anions 7.400000 meq/l Method: SM1030
135-Cation/Anion Balance 2.200000 PC DIFF Method: PC. DIFF
145-Total Iron < .050000 mg/l Method: EPA 200.
149-Total Manganese .004000 mg/l Method: EPA 200.

SITE: DCR06

Laboratory: FLD 20080423-3 Period:OPER
Sample Date: 04/23/2008 Time: 14:37 Reported: Received:
11-Flow 1050.000000 GPM Method: ALL OTHE

Laboratory: FLD 20080528-8 Period:BASE
Sample Date: 05/28/2008 Time: 15:20 Reported: Received:
11-Flow 535.000000 GPM Method: ALL OTHE

Laboratory: SGS 5980036402 Period:OPER
Sample Date: 06/18/2008 Time: 08:50 Reported: 07/08/2008 Received: 06/18/2008
1-Field Water Temperature 12.500000 Deg. C Method: NONE
2-pH (fld) 8.700000 pH units Method: NONE
3-Dissolved Oxygen (field) 9.330000 mg/l Method: NONE
4-Sp. Conductivity (fld) 785.000000 umhos/cm Method: NONE
11-Flow 1220.000000 GPM Method: ALL OTHE
14-pH (lab) 8.650000 pH units Method: SM4500-H
16-Total Suspended Solids 7.000000 mg/l Method: SM2540-D
19-Oil/Grease < 5.000000 mg/l Method: EPA 1664
36-Dissolved Calcium 55.410000 mg/l Method: EPA 200.
40-Dissolved Iron .070000 mg/l Method: EPA 200.
42-Dissolved Magnesium 48.700000 mg/l Method: EPA 200.
43-Dissolved Manganese .003000 mg/l Method: EPA 200.

45-Dissolved Potassium 6.720000 mg/l Method: EPA 200.
48-Dissolved Sodium 57.460000 mg/l Method: EPA 200.
51-Acidity as CaCO3 < 5.000000 mg/l Method: D1067-92
53-Chloride 45.000000 mg/l Method: EPA 300.
60-Sulfate 145.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 240.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 339.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 908.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 544.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 240.000000 mg/l Method: SM2320-B
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
133-Total Cations 9.400000 meq/l Method: SM1030
134-Total Anions 9.100000 meq/l Method: SM1030
135-Cation/Anion Balance 1.900000 PC DIFF Method: PC. DIFF
145-Total Iron .210000 mg/l Method: EPA 200.
149-Total Manganese .008000 mg/l Method: EPA 200.

SITE: HCC01

Laboratory: FLD 20080423-6 Period:OPER
Sample Date: 04/23/2008 Time: 12:00 Reported: Received:
11-Flow 51.000000 CFS Method: ALL OTHE

Laboratory: FLD 20080528-L Period:OPER
Sample Date: 05/28/2008 Time: 12:00 Reported: Received:
11-Flow 160.000000 CFS Method: ALL OTHE

Laboratory: SGS 5980036404 Period:OPER
Sample Date: 06/18/2008 Time: 09:37 Reported: 07/03/2008 Received: 06/18/2008
1-Field Water Temperature 9.700000 Deg. C Method: NONE
2-pH (fld) 8.700000 pH units Method: NONE
3-Dissolved Oxygen (field) 8.860000 mg/l Method: NONE
4-Sp. Conductivity (fld) 301.000000 umhos/cm Method: NONE
11-Flow 347.000000 CFS Method: ALL OTHE
14-pH (lab) 8.600000 pH units Method: SM4500-H
16-Total Suspended Solids 63.000000 mg/l Method: SM2540-D
19-Oil/Grease < 5.000000 mg/l Method: EPA 1664
36-Dissolved Calcium 52.720000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 12.940000 mg/l Method: EPA 200.
43-Dissolved Manganese < .002000 mg/l Method: EPA 200.
45-Dissolved Potassium .780000 mg/l Method: EPA 200.
48-Dissolved Sodium 3.890000 mg/l Method: EPA 200.
51-Acidity as CaCO3 < 5.000000 mg/l Method: D1067-92
53-Chloride 4.000000 mg/l Method: EPA 300.
60-Sulfate 15.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 158.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 185.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 361.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 229.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 144.000000 mg/l Method: SM2320-B
72-Carbonate as CaCO3 15.000000 mg/l Method: SM2320-B
133-Total Cations 3.900000 meq/l Method: SM1030
134-Total Anions 3.600000 meq/l Method: SM1030
135-Cation/Anion Balance 4.300000 PC DIFF Method: PC. DIFF
145-Total Iron 1.050000 mg/l Method: EPA 200.
149-Total Manganese .071000 mg/l Method: EPA 200.

SITE: HCC02

Laboratory: SGS 5980036405 Period:OPER
Sample Date: 06/18/2008 Time: 09:49 Reported: 07/09/2008 Received: 06/18/2008
1-Field Water Temperature 10.900000 Deg. C Method: NONE
2-pH (fld) 8.520000 pH units Method: NONE
3-Dissolved Oxygen (field) 7.370000 mg/l Method: NONE
4-Sp. Conductivity (fld) 327.000000 umhos/cm Method: NONE
11-Flow 347.000000 CFS Method: ALL OTHE
14-pH (lab) 8.600000 pH units Method: SM4500-H
16-Total Suspended Solids 69.000000 mg/l Method: SM2540-D

19-Oil/Grease < 5.000000 mg/l Method: EPA 1664
36-Dissolved Calcium 52.760000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 13.210000 mg/l Method: EPA 200.
43-Dissolved Manganese < .002000 mg/l Method: EPA 200.
45-Dissolved Potassium .780000 mg/l Method: EPA 200.
48-Dissolved Sodium 3.630000 mg/l Method: EPA 200.
51-Acidity as CaCO3 < 5.000000 mg/l Method: D1067-92
53-Chloride 4.000000 mg/l Method: EPA 300.
60-Sulfate 15.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 158.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 186.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 363.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 216.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 158.000000 mg/l Method: SM2320-B
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
133-Total Cations 3.900000 meq/l Method: SM1030
134-Total Anions 3.600000 meq/l Method: SM1030
135-Cation/Anion Balance 4.200000 PC DIFF Method: PC. DIFF
This Parameter is out by 2.03 Standard Deviations(STD). One STD is
1.18 with a mean of 1.80.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
145-Total Iron 1.030000 mg/l Method: EPA 200.
149-Total Manganese .075000 mg/l Method: EPA 200.

SITE: HCC04

Laboratory: SGS 5980036406 Period:OPER
Sample Date: 06/18/2008 Time: 10:01 Reported: 07/03/2008 Received: 06/18/2008
1-Field Water Temperature 10.300000 Deg. C Method: NONE
2-pH (fld) 8.840000 pH units Method: NONE
3-Dissolved Oxygen (field) 9.180000 mg/l Method: NONE
4-Sp. Conductivity (fld) 336.000000 umhos/cm Method: NONE
11-Flow 347.000000 CFS Method: ALL OTHE
14-pH (lab) 8.600000 pH units Method: SM4500-H
16-Total Suspended Solids 72.000000 mg/l Method: SM2540-D
19-Oil/Grease < 5.000000 mg/l Method: EPA 1664
36-Dissolved Calcium 52.940000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 13.170000 mg/l Method: EPA 200.
43-Dissolved Manganese < .002000 mg/l Method: EPA 200.
45-Dissolved Potassium .810000 mg/l Method: EPA 200.
48-Dissolved Sodium 3.880000 mg/l Method: EPA 200.
51-Acidity as CaCO3 < 5.000000 mg/l Method: D1067-92
53-Chloride 4.000000 mg/l Method: EPA 300.
60-Sulfate 16.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 157.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 186.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 366.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 220.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 141.000000 mg/l Method: SM2320-B
This Parameter is out by 2.02 Standard Deviations(STD). One STD is
26.61 with a mean of 194.64.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
72-Carbonate as CaCO3 16.000000 mg/l Method: SM2320-B
133-Total Cations 3.900000 meq/l Method: SM1030
134-Total Anions 3.600000 meq/l Method: SM1030
135-Cation/Anion Balance 4.200000 PC DIFF Method: PC. DIFF
145-Total Iron 1.170000 mg/l Method: EPA 200.
149-Total Manganese .078000 mg/l Method: EPA 200.

SITE: MF-A

NO ACCESS Date: 04/23/2008 Time: 09:47

Laboratory: FLD 20080528-U Period:BASE
Sample Date: 05/28/2008 Time: 12:25 Reported: Received:

11-Flow 1200.000000 GPM Method: ALL OTHE

Laboratory: SGS 5980036209 Period:OPER
Sample Date: 06/17/2008 Time: 09:34 Reported: 07/08/2008 Received: 06/17/2008
1-Field Water Temperature 6.400000 Deg. C Method: NONE
2-pH (fld) 8.560000 pH units Method: NONE
3-Dissolved Oxygen (field) 8.560000 mg/l Method: NONE
4-Sp. Conductivity (fld) 396.000000 umhos/cm Method: NONE
11-Flow 2000.000000 GPM Method: ALL OTHE
14-pH (lab) 8.520000 pH units Method: SM4500-H
16-Total Suspended Solids 26.000000 mg/l Method: SM2540-D
19-Oil/Grease < 5.000000 mg/l Method: EPA 1664
36-Dissolved Calcium 60.590000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 19.780000 mg/l Method: EPA 200.
43-Dissolved Manganese < .002000 mg/l Method: EPA 200.
45-Dissolved Potassium .780000 mg/l Method: EPA 200.
48-Dissolved Sodium 4.200000 mg/l Method: EPA 200.
51-Acidity as CaCO3 < 5.000000 mg/l Method: D1067-92
53-Chloride 2.000000 mg/l Method: EPA 300.
60-Sulfate 15.000000 mg/l Method: EPA 300.
This Parameter is out by 2.00 Standard Deviations(STD). One STD is 3.07 with a mean of 21.14.
62-Total Alkalinity as CaCO3 198.000000 mg/l Method: SM2320-B
This Parameter is out by 2.47 Standard Deviations(STD). One STD is 11.92 with a mean of 227.43.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
63-Total Hardness as CaCO3 233.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 433.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 227.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 162.000000 mg/l Method: SM2320-B
72-Carbonate as CaCO3 36.000000 mg/l Method: SM2320-B
133-Total Cations 4.900000 meq/l Method: SM1030
134-Total Anions 4.300000 meq/l Method: SM1030
135-Cation/Anion Balance 5.700000 PC DIFF Method: PC. DIFF
145-Total Iron .400000 mg/l Method: EPA 200.
149-Total Manganese .011000 mg/l Method: EPA 200.

SITE: MF-B

Laboratory: FLD 20080423-C Period:OPER
Sample Date: 04/23/2008 Time: 10:04 Reported: Received:
11-Flow 85.700000 GPM Method: ALL OTHE

Laboratory: FLD 20080528-V Period:BASE
Sample Date: 05/28/2008 Time: 12:40 Reported: Received:
11-Flow 1400.000000 GPM Method: ALL OTHE

Laboratory: SGS 5980036210 Period:OPER
Sample Date: 06/17/2008 Time: 10:00 Reported: 06/30/2008 Received: 06/17/2008
1-Field Water Temperature 7.900000 Deg. C Method: NONE
2-pH (fld) 8.850000 pH units Method: NONE
3-Dissolved Oxygen (field) 8.250000 mg/l Method: NONE
4-Sp. Conductivity (fld) 427.000000 umhos/cm Method: NONE
11-Flow 2000.000000 GPM Method: ALL OTHE
14-pH (lab) 8.510000 pH units Method: SM4500-H
16-Total Suspended Solids 56.000000 mg/l Method: SM2540-D
19-Oil/Grease < 5.000000 mg/l Method: EPA 1664
36-Dissolved Calcium 63.160000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 26.140000 mg/l Method: EPA 200.
43-Dissolved Manganese < .002000 mg/l Method: EPA 200.
45-Dissolved Potassium 1.080000 mg/l Method: EPA 200.
48-Dissolved Sodium 5.720000 mg/l Method: EPA 200.
51-Acidity as CaCO3 < 5.000000 mg/l Method: D1067-92
53-Chloride 3.000000 mg/l Method: EPA 300.
60-Sulfate 32.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 220.000000 mg/l Method: SM2320-B
This Parameter is out by 2.27 Standard Deviations(STD). One STD is

32.21 with a mean of 293.00.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
63-Total Hardness as CaCO3 265.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 501.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 269.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 183.000000 mg/l Method: SM2320-B
This Parameter is out by 2.17 Standard Deviations(STD). One STD is 51.56 with a mean of 295.14.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
72-Carbonate as CaCO3 37.000000 mg/l Method: SM2320-B
133-Total Cations 5.600000 meq/l Method: SM1030
134-Total Anions 5.100000 meq/l Method: SM1030
135-Cation/Anion Balance 4.000000 PC DIFF Method: PC. DIFF
145-Total Iron .700000 mg/l Method: EPA 200.
149-Total Manganese .021000 mg/l Method: EPA 200.

SITE: MFU-03

NO ACCESS Date: 04/23/2008 Time: 09:30

Laboratory: FLD 20080528-W Period:BASE
Sample Date: 05/28/2008 Time: 12:10 Reported: Received:
11-Flow 1200.000000 GPM Method: ALL OTHE

Laboratory: SGS 5980036208 Period:OPER
Sample Date: 06/17/2008 Time: 09:10 Reported: 07/10/2008 Received: 06/17/2008
1-Field Water Temperature 5.300000 Deg. C Method: NONE
2-pH (fld) 8.610000 pH units Method: NONE
3-Dissolved Oxygen (field) 10.460000 mg/l Method: NONE
4-Sp. Conductivity (fld) 450.000000 umhos/cm Method: NONE
11-Flow 1800.000000 GPM Method: ALL OTHE
14-pH (lab) 8.500000 pH units Method: SM4500-H
16-Total Suspended Solids 53.000000 mg/l Method: SM2540-D
19-Oil/Grease < 5.000000 mg/l Method: EPA 1664
36-Dissolved Calcium 60.720000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 19.690000 mg/l Method: EPA 200.
43-Dissolved Manganese < .002000 mg/l Method: EPA 200.
45-Dissolved Potassium .780000 mg/l Method: EPA 200.
48-Dissolved Sodium 4.110000 mg/l Method: EPA 200.
51-Acidity as CaCO3 < 5.000000 mg/l Method: D1067-92
53-Chloride 2.000000 mg/l Method: EPA 300.
60-Sulfate 15.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 199.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 233.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 428.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 234.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 162.000000 mg/l Method: SM2320-B
72-Carbonate as CaCO3 37.000000 mg/l Method: SM2320-B
133-Total Cations 4.800000 meq/l Method: SM1030
134-Total Anions 4.400000 meq/l Method: SM1030
135-Cation/Anion Balance 5.300000 PC DIFF Method: PC. DIFF
145-Total Iron .370000 mg/l Method: EPA 200.
149-Total Manganese .010000 mg/l Method: EPA 200.

SITE: MHC 01

NO FLOW Date: 04/23/2008 Time: 14:26

Laboratory: FLD 20080528-E Period:BASE
Sample Date: 05/28/2008 Time: 15:40 Reported: Received:
11-Flow 730.000000 GPM Method: ALL OTHE

Laboratory: SGS 5980036403 Period:OPER
Sample Date: 06/18/2008 Time: 09:15 Reported: 07/08/2008 Received: 06/18/2008
1-Field Water Temperature 10.900000 Deg. C Method: NONE
2-pH (fld) 8.460000 pH units Method: NONE

3-Dissolved Oxygen (field) 8.660000 mg/l Method: NONE
4-Sp. Conductivity (fld) 406.000000 umhos/cm Method: NONE
11-Flow 631.000000 GPM Method: ALL OTHE
14-pH (lab) 8.660000 pH units Method: SM4500-H
16-Total Suspended Solids 12.000000 mg/l Method: SM2540-D
19-Oil/Grease < 5.000000 mg/l Method: EPA 1664
36-Dissolved Calcium 48.260000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 24.340000 mg/l Method: EPA 200.
43-Dissolved Manganese < .002000 mg/l Method: EPA 200.
45-Dissolved Potassium .810000 mg/l Method: EPA 200.
48-Dissolved Sodium 6.810000 mg/l Method: EPA 200.
51-Acidity as CaCO3 < 5.000000 mg/l Method: D1067-92
53-Chloride 3.000000 mg/l Method: EPA 300.
60-Sulfate 17.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 198.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 221.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 437.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 291.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 198.000000 mg/l Method: SM2320-B
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
133-Total Cations 4.700000 meq/l Method: SM1030
134-Total Anions 4.400000 meq/l Method: SM1030
135-Cation/Anion Balance 3.600000 PC DIFF Method: PC. DIFF
145-Total Iron .090000 mg/l Method: EPA 200.
149-Total Manganese < .002000 mg/l Method: EPA 200.

SITE: RCF-1

NO ACCESS Date: 04/23/2008 Time: 10:18

Laboratory: FLD 20080528-9 Period:BASE
Sample Date: 05/28/2008 Time: 13:24 Reported: Received:
11-Flow 2066.000000 GPM Method: ALL OTHE

Laboratory: SGS 5980036202 Period:OPER
Sample Date: 06/17/2008 Time: 10:52 Reported: 06/30/2008 Received: 06/17/2008
1-Field Water Temperature 8.200000 Deg. C Method: NONE
2-pH (fld) 8.560000 pH units Method: NONE
3-Dissolved Oxygen (field) 8.820000 mg/l Method: NONE
4-Sp. Conductivity (fld) 399.000000 umhos/cm Method: NONE
11-Flow 2299.000000 GPM Method: ALL OTHE
14-pH (lab) 8.670000 pH units Method: SM4500-H
16-Total Suspended Solids 32.000000 mg/l Method: SM2540-D
19-Oil/Grease < 5.000000 mg/l Method: EPA 1664
36-Dissolved Calcium 59.250000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 18.760000 mg/l Method: EPA 200.
43-Dissolved Manganese < .002000 mg/l Method: EPA 200.
45-Dissolved Potassium .800000 mg/l Method: EPA 200.
48-Dissolved Sodium 4.490000 mg/l Method: EPA 200.
51-Acidity as CaCO3 < 5.000000 mg/l Method: D1067-92
53-Chloride 2.000000 mg/l Method: EPA 300.
60-Sulfate 12.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 204.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 225.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 442.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 265.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 177.000000 mg/l Method: SM2320-B
This Parameter is out by 2.87 Standard Deviations(STD). One STD is
8.72 with a mean of 202.00.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
72-Carbonate as CaCO3 27.000000 mg/l Method: SM2320-B
133-Total Cations 4.700000 meq/l Method: SM1030
134-Total Anions 4.400000 meq/l Method: SM1030
135-Cation/Anion Balance 3.600000 PC DIFF Method: PC. DIFF
145-Total Iron .290000 mg/l Method: EPA 200.
149-Total Manganese .008000 mg/l Method: EPA 200.

SITE: RCF2

NO FLOW Date: 04/23/2008 Time: 10:45

Laboratory: FLD 20080528-B Period:BASE
Sample Date: 05/28/2008 Time: 14:20 Reported: Received:
11-Flow 2251.000000 GPM Method: ALL OTHE

Laboratory: SGS 5980036205 Period:OPER
Sample Date: 06/17/2008 Time: 12:40 Reported: 06/30/2008 Received: 06/17/2008
1-Field Water Temperature 8.600000 Deg. C Method: NONE
2-pH (fld) 8.590000 pH units Method: NONE
4-Sp. Conductivity (fld) 384.000000 umhos/cm Method: NONE
11-Flow 2903.000000 GPM Method: ALL OTHE
This Parameter is out by 2.61 Standard Deviations(STD). One STD is 983.67 with a mean of 336.89.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
14-pH (lab) 8.740000 pH units Method: SM4500-H
16-Total Suspended Solids 74.000000 mg/l Method: SM2540-D
19-Oil/Grease < 5.000000 mg/l Method: EPA 1664
36-Dissolved Calcium 57.110000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 20.430000 mg/l Method: EPA 200.
43-Dissolved Manganese < .002000 mg/l Method: EPA 200.
45-Dissolved Potassium .940000 mg/l Method: EPA 200.
48-Dissolved Sodium 5.030000 mg/l Method: EPA 200.
51-Acidity as CaCO3 < 5.000000 mg/l Method: D1067-92
53-Chloride 2.000000 mg/l Method: EPA 300.
60-Sulfate 14.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 203.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 227.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 454.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 244.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 180.000000 mg/l Method: SM2320-B
72-Carbonate as CaCO3 23.000000 mg/l Method: SM2320-B
133-Total Cations 4.800000 meq/l Method: SM1030
134-Total Anions 4.400000 meq/l Method: SM1030
135-Cation/Anion Balance 4.000000 PC DIFF Method: PC. DIFF
145-Total Iron .860000 mg/l Method: EPA 200.
149-Total Manganese .031000 mg/l Method: EPA 200.

SITE: RCF3

Laboratory: FLD 20080423-4 Period:OPER
Sample Date: 04/23/2008 Time: 11:29 Reported: Received:
11-Flow 90.000000 GPM Method: ALL OTHE

Laboratory: FLD 20080528-C Period:BASE
Sample Date: 05/28/2008 Time: 14:35 Reported: Received:
11-Flow 2251.000000 GPM Method: ALL OTHE

Laboratory: SGS 5980036211 Period:OPER
Sample Date: 06/17/2008 Time: 13:06 Reported: 06/30/2008 Received: 06/17/2008
1-Field Water Temperature 8.800000 Deg. C Method: NONE
2-pH (fld) 8.360000 pH units Method: NONE
3-Dissolved Oxygen (field) 10.970000 mg/l Method: NONE
4-Sp. Conductivity (fld) 415.000000 umhos/cm Method: NONE
11-Flow 2653.000000 GPM Method: ALL OTHE
14-pH (lab) 8.610000 pH units Method: SM4500-H
This Parameter is out by 2.45 Standard Deviations(STD). One STD is 0.24 with a mean of 8.03.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
16-Total Suspended Solids 63.000000 mg/l Method: SM2540-D
19-Oil/Grease < 5.000000 mg/l Method: EPA 1664
36-Dissolved Calcium 61.220000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 21.640000 mg/l Method: EPA 200.

43-Dissolved Manganese < .002000 mg/l Method: EPA 200.
45-Dissolved Potassium .840000 mg/l Method: EPA 200.
48-Dissolved Sodium 5.400000 mg/l Method: EPA 200.
51-Acidity as CaCO3 < 5.000000 mg/l Method: D1067-92
53-Chloride 2.000000 mg/l Method: EPA 300.
60-Sulfate 18.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 209.000000 mg/l Method: SM2320-B
This Parameter is out by 2.01 Standard Deviations(STD). One STD is 53.51 with a mean of 316.34.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
63-Total Hardness as CaCO3 242.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 470.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 247.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 179.000000 mg/l Method: SM2320-B
This Parameter is out by 2.74 Standard Deviations(STD). One STD is 57.85 with a mean of 337.71.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
72-Carbonate as CaCO3 30.000000 mg/l Method: SM2320-B
133-Total Cations 5.100000 meq/l Method: SM1030
134-Total Anions 4.600000 meq/l Method: SM1030
135-Cation/Anion Balance 5.000000 PC DIFF Method: PC. DIFF
This Parameter is out by 2.51 Standard Deviations(STD). One STD is 1.45 with a mean of 1.37.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
145-Total Iron .850000 mg/l Method: EPA 200.
149-Total Manganese .027000 mg/l Method: EPA 200.

SITE: RCLF1

NO FLOW Date: 04/23/2008 Time: 10:23

Laboratory: FLD 20080528-A Period:BASE
Sample Date: 05/28/2008 Time: 13:57 Reported: Received:
11-Flow 167.000000 GPM Method: ALL OTHE
This Parameter is out by 2.18 Standard Deviations(STD). One STD is 66.65 with a mean of 21.40.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported

Laboratory: SGS 5980036204 Period:OPER
Sample Date: 06/17/2008 Time: 12:02 Reported: 06/30/2008 Received: 06/17/2008
1-Field Water Temperature 11.100000 Deg. C Method: NONE
2-pH (fld) 8.420000 pH units Method: NONE
3-Dissolved Oxygen (field) 9.630000 mg/l Method: NONE
4-Sp. Conductivity (fld) 556.000000 umhos/cm Method: NONE
11-Flow 200.000000 GPM Method: ALL OTHE
This Parameter is out by 2.68 Standard Deviations(STD). One STD is 66.65 with a mean of 21.40.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
14-pH (lab) 8.720000 pH units Method: SM4500-H
16-Total Suspended Solids 437.000000 mg/l Method: SM2540-D
19-Oil/Grease < 5.000000 mg/l Method: EPA 1664
36-Dissolved Calcium 57.930000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 38.950000 mg/l Method: EPA 200.
43-Dissolved Manganese < .002000 mg/l Method: EPA 200.
45-Dissolved Potassium 1.250000 mg/l Method: EPA 200.
48-Dissolved Sodium 10.410000 mg/l Method: EPA 200.
51-Acidity as CaCO3 < 5.000000 mg/l Method: D1067-92
53-Chloride 4.000000 mg/l Method: EPA 300.
60-Sulfate 45.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 249.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 305.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 620.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 325.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 224.000000 mg/l Method: SM2320-B

72-Carbonate as CaCO3 25.000000 mg/l Method: SM2320-B
133-Total Cations 6.600000 meq/l Method: SM1030
134-Total Anions 6.000000 meq/l Method: SM1030
135-Cation/Anion Balance 4.400000 PC DIFF Method: PC. DIFF
145-Total Iron 4.290000 mg/l Method: EPA 200.
149-Total Manganese .127000 mg/l Method: EPA 200.

SITE: RCLF2

NO FLOW Date: 04/23/2008 Time: 10:30

Laboratory: FLD 20080528-S Period:BASE
Sample Date: 05/28/2008 Time: 13:50 Reported: Received:
11-Flow 240.000000 GPM Method: ALL OTHE
This Parameter is out by 3.27 Standard Deviations(STD). One STD is 66.64 with a mean of 22.32.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported

Laboratory: SGS 5980036203 Period:OPER
Sample Date: 06/17/2008 Time: 11:42 Reported: 06/30/2008 Received: 06/17/2008
1-Field Water Temperature 10.800000 Deg. C Method: NONE
2-pH (fld) 8.780000 pH units Method: NONE
3-Dissolved Oxygen (field) 8.700000 mg/l Method: NONE
4-Sp. Conductivity (fld) 524.000000 umhos/cm Method: NONE
11-Flow 207.000000 GPM Method: ALL OTHE
This Parameter is out by 2.77 Standard Deviations(STD). One STD is 66.64 with a mean of 22.32.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
14-pH (lab) 8.730000 pH units Method: SM4500-H
16-Total Suspended Solids 408.000000 mg/l Method: SM2540-D
19-Oil/Grease < 5.000000 mg/l Method: EPA 1664
36-Dissolved Calcium 61.380000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 40.040000 mg/l Method: EPA 200.
43-Dissolved Manganese < .002000 mg/l Method: EPA 200.
45-Dissolved Potassium 1.410000 mg/l Method: EPA 200.
48-Dissolved Sodium 11.660000 mg/l Method: EPA 200.
51-Acidity as CaCO3 < 5.000000 mg/l Method: D1067-92
53-Chloride 3.000000 mg/l Method: EPA 300.
60-Sulfate 47.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 272.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 318.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 632.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 304.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 249.000000 mg/l Method: SM2320-B
72-Carbonate as CaCO3 23.000000 mg/l Method: SM2320-B
133-Total Cations 6.900000 meq/l Method: SM1030
134-Total Anions 6.500000 meq/l Method: SM1030
135-Cation/Anion Balance 3.000000 PC DIFF Method: PC. DIFF
145-Total Iron 3.680000 mg/l Method: EPA 200.
149-Total Manganese .196000 mg/l Method: EPA 200.

SITE: RCW4

Laboratory: FLD 20080423-5 Period:OPER
Sample Date: 04/23/2008 Time: 11:59 Reported: Received:
11-Flow 223.800000 GPM Method: ALL OTHE

Laboratory: FLD 20080528-D Period:BASE
Sample Date: 05/28/2008 Time: 14:42 Reported: Received:
11-Flow 2317.000000 GPM Method: ALL OTHE

Laboratory: SGS 5980036212 Period:OPER
Sample Date: 06/17/2008 Time: 13:43 Reported: 07/08/2008 Received: 06/17/2008
1-Field Water Temperature 10.000000 Deg. C Method: NONE
2-pH (fld) 8.460000 pH units Method: NONE
3-Dissolved Oxygen (field) 10.300000 mg/l Method: NONE

4-Sp. Conductivity (fld) 542.000000 umhos/cm Method: NONE
11-Flow 3500.000000 GPM Method: ALL OTHE
14-pH (lab) 8.550000 pH units Method: SM4500-H
16-Total Suspended Solids 92.000000 mg/l Method: SM2540-D
19-Oil/Grease < 5.000000 mg/l Method: EPA 1664
36-Dissolved Calcium 71.980000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 32.400000 mg/l Method: EPA 200.
43-Dissolved Manganese < .002000 mg/l Method: EPA 200.
45-Dissolved Potassium 1.240000 mg/l Method: EPA 200.
48-Dissolved Sodium 7.840000 mg/l Method: EPA 200.
51-Acidity as CaCO3 < 5.000000 mg/l Method: D1067-92
53-Chloride 3.000000 mg/l Method: EPA 300.
60-Sulfate 72.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 222.000000 mg/l Method: SM2320-B
This Parameter is out by 2.62 Standard Deviations(STD). One STD is 36.60 with a mean of 317.78.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
63-Total Hardness as CaCO3 313.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 601.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 336.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 222.000000 mg/l Method: SM2320-B
This Parameter is out by 2.15 Standard Deviations(STD). One STD is 43.63 with a mean of 315.64.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
133-Total Cations 6.600000 meq/l Method: SM1030
134-Total Anions 6.000000 meq/l Method: SM1030
135-Cation/Anion Balance 4.800000 PC DIFF Method: PC. DIFF
145-Total Iron 1.150000 mg/l Method: EPA 200.
149-Total Manganese .030000 mg/l Method: EPA 200.

SITE TYPE: UPDES Permit discharge point

SITE: UT0023604-001

Laboratory: CTE 59-31031 Period:UPDS
Sample Date: 04/01/2008 Time: 08:50 Reported: 04/14/2008 Received: 04/01/2008
1-Field Water Temperature 4.600000 Deg. C Method: NONE
2-pH (fld) 7.490000 pH units Method: NONE
4-Sp. Conductivity (fld) 3750.000000 umhos/cm Method: NONE
11-Flow 11.200000 GPM Method: ALL OTHE
16-Total Suspended Solids 6.000000 mg/l Method: SM2540-D
36-Dissolved Calcium 107.640000 mg/l Method: EPA 200.
40-Dissolved Iron .060000 mg/l Method: EPA 200.
42-Dissolved Magnesium 73.970000 mg/l Method: EPA 200.
43-Dissolved Manganese .025000 mg/l Method: EPA 200.
45-Dissolved Potassium 7.550000 mg/l Method: EPA 200.
48-Dissolved Sodium 582.420000 mg/l Method: EPA 200.
53-Chloride 945.000000 mg/l Method: EPA 300.
60-Sulfate 197.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 323.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 574.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 4030.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 2128.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 323.000000 mg/l Method: SM2320-B
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
113-Dissolved Aluminum < .030000 mg/l Method: EPA 200.
133-Total Cations 37.000000 meq/l Method: SM1030
134-Total Anions 37.200000 meq/l Method: SM1030
135-Cation/Anion Balance .300000 PC DIFF Method: PC. DIFF
136-Total Aluminum .150000 mg/l Method: EPA 200.
145-Total Iron .120000 mg/l Method: EPA 200.
149-Total Manganese .025000 mg/l Method: EPA 200.

Laboratory: SGS 5980020103 Period:UPDS
Sample Date: 05/01/2008 Time: 10:55 Reported: 05/12/2008 Received: 05/01/2008

1-Field Water Temperature 7.100000 Deg. C Method: NONE
2-pH (fld) 8.210000 pH units Method: NONE
4-Sp. Conductivity (fld) 1812.000000 umhos/cm Method: NONE
11-Flow 30.900000 GPM Method: ALL OTHE
14-pH (lab) 8.450000 pH units Method: SM4500-H
This Parameter is out by 2.01 Standard Deviations(STD). One STD is 0.31 with a mean of 7.82.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
16-Total Suspended Solids 18.000000 mg/l Method: SM2540-D
36-Dissolved Calcium 92.860000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 63.160000 mg/l Method: EPA 200.
43-Dissolved Manganese .018000 mg/l Method: EPA 200.
45-Dissolved Potassium 7.200000 mg/l Method: EPA 200.
48-Dissolved Sodium 204.400000 mg/l Method: EPA 200.
53-Chloride 328.000000 mg/l Method: EPA 300.
60-Sulfate 164.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 320.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 492.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 1957.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 1095.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 320.000000 mg/l Method: SM2320-B
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
113-Dissolved Aluminum < .030000 mg/l Method: EPA 200.
133-Total Cations 18.900000 meq/l Method: SM1030
134-Total Anions 19.100000 meq/l Method: SM1030
135-Cation/Anion Balance .500000- PC DIFF Method: PC. DIFF
136-Total Aluminum .340000 mg/l Method: EPA 200.
145-Total Iron .170000 mg/l Method: EPA 200.
149-Total Manganese .018000 mg/l Method: EPA 200.

Laboratory: SGS 5980032003 Period:UPDS
Sample Date: 06/02/2008 Time: 14:30 Reported: 06/12/2008 Received: 06/02/2008
1-Field Water Temperature 11.200000 Deg. C Method: NONE
2-pH (fld) 7.520000 pH units Method: NONE
4-Sp. Conductivity (fld) 2000.000000 umhos/cm Method: NONE
11-Flow 68.500000 GPM Method: ALL OTHE
14-pH (lab) 8.040000 pH units Method: SM4500-H
16-Total Suspended Solids 25.000000 mg/l Method: SM2540-D
36-Dissolved Calcium 91.400000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 70.430000 mg/l Method: EPA 200.
43-Dissolved Manganese < .002000 mg/l Method: EPA 200.
45-Dissolved Potassium 6.820000 mg/l Method: EPA 200.
48-Dissolved Sodium 222.870000 mg/l Method: EPA 200.
53-Chloride 364.000000 mg/l Method: EPA 300.
60-Sulfate 177.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 317.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 518.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 2030.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 1169.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 317.000000 mg/l Method: SM2320-B
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
113-Dissolved Aluminum < .030000 mg/l Method: EPA 200.
133-Total Cations 20.200000 meq/l Method: SM1030
134-Total Anions 20.300000 meq/l Method: SM1030
135-Cation/Anion Balance .200000- PC DIFF Method: PC. DIFF
136-Total Aluminum .560000 mg/l Method: EPA 200.
145-Total Iron .240000 mg/l Method: EPA 200.
149-Total Manganese .011000 mg/l Method: EPA 200.

SITE: UT0023604-002

Laboratory: CTE 59-31030 Period:UPDS
Sample Date: 04/01/2008 Time: 08:30 Reported: 04/15/2008 Received: 04/01/2008
1-Field Water Temperature 14.000000 Deg. C Method: NONE
2-pH (fld) 7.700000 pH units Method: NONE
4-Sp. Conductivity (fld) 736.000000 umhos/cm Method: NONE
11-Flow 1830.000000 GPM Method: ALL OTHE

14-pH (lab) 7.720000 pH units Method: SM4500-H
16-Total Suspended Solids 9.000000 mg/l Method: EPA 160.
36-Dissolved Calcium 70.580000 mg/l Method: EPA 200.
40-Dissolved Iron .120000 mg/l Method: EPA 200.
42-Dissolved Magnesium 45.090000 mg/l Method: EPA 200.
43-Dissolved Manganese .011000 mg/l Method: EPA 200.
45-Dissolved Potassium 7.930000 mg/l Method: EPA 200.
48-Dissolved Sodium 32.700000 mg/l Method: EPA 200.
53-Chloride 14.000000 mg/l Method: EPA 300.
60-Sulfate 116.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 295.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 362.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 798.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 494.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 295.000000 mg/l Method: SM2320-B
This Parameter is out by 3.29 Standard Deviations(STD). One STD is 12.76 with a mean of 336.95.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
113-Dissolved Aluminum < .030000 mg/l Method: EPA 200.
133-Total Cations 8.900000 meq/l Method: SM1030
134-Total Anions 8.700000 meq/l Method: SM1030
135-Cation/Anion Balance .800000 PC DIFF Method: PC. DIFF
136-Total Aluminum .230000 mg/l Method: EPA 200.
145-Total Iron .480000 mg/l Method: EPA 200.
149-Total Manganese .012000 mg/l Method: EPA 200.

Laboratory: SGS 5980020102 Period:UPDS
Sample Date: 05/01/2008 Time: 10:30 Reported: 05/12/2008 Received: 05/01/2008
1-Field Water Temperature 14.000000 Deg. C Method: NONE
2-pH (fld) 7.250000 pH units Method: NONE
4-Sp. Conductivity (fld) 740.000000 umhos/cm Method: NONE
11-Flow 151.000000 GPM Method: ALL OTHE
14-pH (lab) 7.730000 pH units Method: SM4500-H
16-Total Suspended Solids < 5.000000 mg/l Method: SM2540-D
36-Dissolved Calcium 79.600000 mg/l Method: EPA 200.
40-Dissolved Iron .070000 mg/l Method: EPA 200.
42-Dissolved Magnesium 45.100000 mg/l Method: EPA 200.
43-Dissolved Manganese .022000 mg/l Method: EPA 200.
45-Dissolved Potassium 5.410000 mg/l Method: EPA 200.
48-Dissolved Sodium 21.320000 mg/l Method: EPA 200.
53-Chloride 9.000000 mg/l Method: EPA 300.
60-Sulfate 69.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 336.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 384.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 782.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 431.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 336.000000 mg/l Method: SM2320-B
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
133-Total Cations 8.700000 meq/l Method: SM1030
134-Total Anions 8.400000 meq/l Method: SM1030
135-Cation/Anion Balance 2.000000 PC DIFF Method: PC. DIFF
145-Total Iron .590000 mg/l Method: EPA 200.
149-Total Manganese .022000 mg/l Method: EPA 200.

Laboratory: SGS 5980032002 Period:UPDS
Sample Date: 06/02/2008 Time: 14:10 Reported: 06/12/2008 Received: 06/02/2008
1-Field Water Temperature 14.700000 Deg. C Method: NONE
2-pH (fld) 7.340000 pH units Method: NONE
4-Sp. Conductivity (fld) 834.000000 umhos/cm Method: NONE
11-Flow 441.000000 GPM Method: ALL OTHE
14-pH (lab) 7.690000 pH units Method: SM4500-H
16-Total Suspended Solids < 5.000000 mg/l Method: SM2540-D
36-Dissolved Calcium 84.460000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 47.670000 mg/l Method: EPA 200.
43-Dissolved Manganese .019000 mg/l Method: EPA 200.
45-Dissolved Potassium 4.730000 mg/l Method: EPA 200.
48-Dissolved Sodium 24.030000 mg/l Method: EPA 200.
53-Chloride 16.000000 mg/l Method: EPA 300.

60-Sulfate	92.000000	mg/l	Method: EPA 300.
62-Total Alkalinity as CaCO3	339.000000	mg/l	Method: SM2320-B
63-Total Hardness as CaCO3	407.000000	mg/l	Method: SM2340-B
67-Specific Conductivity (Lab)	807.000000	umhos/cm	Method: SM2510-B
68-Total Dissolved Solids @ 180 C	482.000000	mg/l	Method: SM2540-C
71-Bicarbonate as CaCO3	339.000000	mg/l	Method: SM2320-B
72-Carbonate as CaCO3	< 5.000000	mg/l	Method: SM2320-B
133-Total Cations	9.300000	meq/l	Method: SM1030
134-Total Anions	9.100000	meq/l	Method: SM1030
135-Cation/Anion Balance	.900000	PC DIFF	Method: PC. DIFF
145-Total Iron	.790000	mg/l	Method: EPA 200.
149-Total Manganese	.019000	mg/l	Method: EPA 200.

SITE TYPE: Well
SITE: CCCW-1A

Laboratory: FLD 20080417-7 Period:OPER
Sample Date: 04/17/2008 Time: 11:58 Reported: Received:
8-Depth 111.300000 feet Method: ALL OTHE

Laboratory: FLD 20080528-F Period:OPER
Sample Date: 05/28/2008 Time: 10:11 Reported: Received:
8-Depth 111.560000 feet Method: ALL OTHE

Laboratory: FLD 20080616-4 Period:OPER
Sample Date: 06/16/2008 Time: 11:50 Reported: Received:
8-Depth 111.880000 feet Method: ALL OTHE

SITE: CCCW-1S

Laboratory: FLD 20080417-8 Period:OPER
Sample Date: 04/17/2008 Time: 11:54 Reported: Received:
8-Depth 191.500000 feet Method: ALL OTHE

Laboratory: FLD 20080528-G Period:OPER
Sample Date: 05/28/2008 Time: 10:06 Reported: Received:
8-Depth 191.640000 feet Method: ALL OTHE

Laboratory: FLD 20080616-5 Period:OPER
Sample Date: 06/16/2008 Time: 11:45 Reported: Received:
8-Depth 191.880000 feet Method: ALL OTHE

SITE: CCCW-2A

NO ACCESS Date: 04/17/2008 Time: 11:20

Laboratory: FLD 20080528-H Period:OPER
Sample Date: 05/28/2008 Time: 09:55 Reported: Received:
8-Depth 22.560000 feet Method: ALL OTHE

Laboratory: FLD 20080616-6 Period:OPER
Sample Date: 06/16/2008 Time: 11:36 Reported: Received:
8-Depth 22.600000 feet Method: ALL OTHE

SITE: CCCW-3A

NO ACCESS Date: 04/17/2008 Time: 11:20

Laboratory: FLD 20080528-I Period:OPER
Sample Date: 05/28/2008 Time: 09:23 Reported: Received:
8-Depth 51.680000 feet Method: ALL OTHE

Laboratory: FLD 20080616-7 Period:OPER
Sample Date: 06/16/2008 Time: 11:05 Reported: Received:
8-Depth 51.820000 feet Method: ALL OTHE

SITE: CCCW-3S-L

NO ACCESS Date: 04/17/2008 Time: 11:20

Laboratory: FLD 20080528-K Period:OPER
Sample Date: 05/28/2008 Time: 09:45 Reported: Received:
8-Depth 612.750000 feet Method: ALL OTHE

Laboratory: FLD 20080616-9 Period:OPER
Sample Date: 06/16/2008 Time: 11:17 Reported: Received:
8-Depth 613.000000 feet Method: ALL OTHE

SITE: CCCW-3S-U

NO ACCESS Date: 04/17/2008 Time: 11:20

Laboratory: FLD 20080528-J Period:OPER
Sample Date: 05/28/2008 Time: 09:35 Reported: Received:
8-Depth 73.810000 feet Method: ALL OTHE

Laboratory: FLD 20080616-8 Period:OPER
Sample Date: 06/16/2008 Time: 11:11 Reported: Received:

SITE: DCWR1

Laboratory: SGS 5980036401 Period:OPER
Sample Date: 06/18/2008 Time: 10:15 Reported: 07/03/2008 Received: 06/18/2008
1-Field Water Temperature 15.000000 Deg. C Method: NONE
2-pH (fld) 8.000000 pH units Method: NONE
3-Dissolved Oxygen (field) 4.370000 mg/l Method: NONE
4-Sp. Conductivity (fld) 17590.000000 umhos/cm Method: NONE
8-Depth 10.120000 feet Method: ALL OTHE
14-pH (lab) 7.750000 pH units Method: SM4500-H
36-Dissolved Calcium 116.550000 mg/l Method: EPA 200.
40-Dissolved Iron .170000 mg/l Method: EPA 200.
42-Dissolved Magnesium 188.400000 mg/l Method: EPA 200.
43-Dissolved Manganese < .002000 mg/l Method: EPA 200.
45-Dissolved Potassium 12.650000 mg/l Method: EPA 200.
48-Dissolved Sodium 4819.000000 mg/l Method: EPA 200.
51-Acidity as CaCO3 30.000000 mg/l Method: D1067-92
This Parameter is out by 2.34 Standard Deviations(STD). One STD is 6.89 with a mean of 13.89.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
53-Chloride 745.000000 mg/l Method: EPA 300.
60-Sulfate 9816.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 613.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 1067.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 19010.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 16263.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 531.000000 mg/l Method: SM2320-B
This Parameter is out by 7.77 Standard Deviations(STD). One STD is 15.41 with a mean of 650.64.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
72-Carbonate as CaCO3 83.000000 mg/l Method: SM2320-B
133-Total Cations 231.300000 meq/l Method: SM1030
134-Total Anions 237.700000 meq/l Method: SM1030
135-Cation/Anion Balance 1.400000- PC DIFF Method: PC. DIFF
145-Total Iron 2.820000 mg/l Method: EPA 200.
149-Total Manganese .020000 mg/l Method: EPA 200.

SITE: EM-31

Laboratory: FLD 20080417-6 Period:OPER
Sample Date: 04/17/2008 Time: 12:21 Reported: Received:
8-Depth 54.100000 feet Method: ALL OTHE

Laboratory: FLD 20080523-6 Period:OPER
Sample Date: 05/23/2008 Time: 11:23 Reported: Received:
8-Depth 53.260000 feet Method: ALL OTHE

Laboratory: FLD 20080616-3 Period:OPER
Sample Date: 06/16/2008 Time: 12:25 Reported: Received:
8-Depth 55.620000 feet Method: ALL OTHE

SITE: EM-47

NO ACCESS Date: 04/23/2008 Time: 10:18

Laboratory: FLD 20080528-M Period:OPER
Sample Date: 05/28/2008 Time: 13:15 Reported: Received:
8-Depth 216.080000 feet Method: ALL OTHE

Laboratory: FLD 20080617-2 Period:OPER
Sample Date: 06/17/2008 Time: 11:05 Reported: Received:
8-Depth 211.160000 feet Method: ALL OTHE

SITE: P-1

Laboratory: FLD 20080423-7 Period:OPER
Sample Date: 04/23/2008 Time: 10:50 Reported: Received:
8-Depth 21.560000 feet Method: ALL OTHE

Laboratory: FLD 20080528-O Period:OPER
Sample Date: 05/28/2008 Time: 14:10 Reported: Received:
8-Depth 22.540000 feet Method: ALL OTHE

Laboratory: FLD 20080617-3 Period:OPER
Sample Date: 06/17/2008 Time: 12:20 Reported: Received:
8-Depth 22.600000 feet Method: ALL OTHE

SITE: P-4

DRY WELL Date: 04/23/2008 Time: 10:50

DRY WELL Date: 05/28/2008 Time: 14:10

DRY WELL Date: 06/17/2008 Time: 12:20

SITE: P-5

Laboratory: FLD 20080423-8 Period:OPER
Sample Date: 04/23/2008 Time: 10:50 Reported: Received:
8-Depth 7.480000 feet Method: ALL OTHE

Laboratory: FLD 20080528-P Period:OPER
Sample Date: 05/28/2008 Time: 14:10 Reported: Received:
8-Depth 6.980000 feet Method: ALL OTHE

Laboratory: FLD 20080617-4 Period:OPER
Sample Date: 06/17/2008 Time: 12:20 Reported: Received:
8-Depth 6.960000 feet Method: ALL OTHE

SITE: P-6

Laboratory: FLD 20080423-9 Period:OPER
Sample Date: 04/23/2008 Time: 10:50 Reported: Received:
8-Depth 46.520000 feet Method: ALL OTHE

Laboratory: FLD 20080528-Q Period:OPER
Sample Date: 05/28/2008 Time: 14:10 Reported: Received:

8-Depth 40.520000 feet Method: ALL OTHE

Laboratory: FLD 20080617-5 Period:OPER
Sample Date: 06/17/2008 Time: 12:20 Reported: Received:
8-Depth 38.930000 feet Method: ALL OTHE

SITE: P-7

Laboratory: FLD 20080423-A Period:OPER
Sample Date: 04/23/2008 Time: 10:50 Reported: Received:
8-Depth 46.400000 feet Method: ALL OTHE

Laboratory: FLD 20080528-R Period:OPER
Sample Date: 05/28/2008 Time: 14:10 Reported: Received:
8-Depth 30.450000 feet Method: ALL OTHE

Laboratory: FLD 20080617-6 Period:OPER
Sample Date: 06/17/2008 Time: 12:20 Reported: Received:
8-Depth 26.180000 feet Method: ALL OTHE

C:\Documents and Settings\OGMUSER\Desktop\Status of Quarterly Reports and Upload Letters\Status of quarterly reports, 2008\Upload letters\2nd Qtr 2008\Deer Creek Mine upload and parameter report.2nd Qtr2008.doc

Oil, Gas and Mining
12/31/2008
OFFICIAL UPLOAD and PARAMETER REPORT
2nd QUARTER 2008
PACIFICORP: TRAIL MOUNTAIN #9 MINE

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SITE TYPE: Other: in mine, roof drippers
SITE: 18-1-1

NO FLOW Date: 06/16/2008 Time: 10:15

SITE TYPE: Spring
SITE: 18-3-1

Laboratory: FLD 20080417-3 Period:OPER
Sample Date: 04/17/2008 Time: 11:12 Reported: Received:
11-Flow 30.000000 GPM Method: ALL OTHE

Laboratory: FLD 20080523-4 Period:OPER
Sample Date: 05/23/2008 Time: 10:24 Reported: Received:
11-Flow 95.000000 GPM Method: ALL OTHE

Laboratory: SGS 5980035702 Period:OPER
Sample Date: 06/16/2008 Time: 09:41 Reported: 06/27/2008 Received: 06/16/2008

1-Field Water Temperature		11.420000 Deg. C	Method: NONE
2-pH (fld)		8.420000 pH units	Method: NONE
3-Dissolved Oxygen (field)		8.100000 mg/l	Method: NONE
4-Sp. Conductivity (fld)		924.000000 umhos/cm	Method: NONE
11-Flow		65.000000 GPM	Method: ALL OTHE
14-pH (lab)		8.530000 pH units	Method: SM4500-H
16-Total Suspended Solids		10.000000 mg/l	Method: SM2540-D
19-Oil/Grease	<	5.000000 mg/l	Method: EPA 1664
36-Dissolved Calcium		53.130000 mg/l	Method: EPA 200.
40-Dissolved Iron	<	.030000 mg/l	Method: EPA 200.
42-Dissolved Magnesium		73.090000 mg/l	Method: EPA 200.
43-Dissolved Manganese	<	.002000 mg/l	Method: EPA 200.
45-Dissolved Potassium		3.710000 mg/l	Method: EPA 200.
48-Dissolved Sodium		59.770000 mg/l	Method: EPA 200.
51-Acidity as CaCO3	<	5.000000 mg/l	Method: D1067-92
53-Chloride		30.000000 mg/l	Method: EPA 300.
60-Sulfate		182.000000 mg/l	Method: EPA 300.
62-Total Alkalinity as CaCO3		302.000000 mg/l	Method: SM2320-B
63-Total Hardness as CaCO3		434.000000 mg/l	Method: SM2340-B
67-Specific Conductivity (Lab)		959.000000 umhos/cm	Method: SM2510-B
68-Total Dissolved Solids @ 180 C		577.000000 mg/l	Method: SM2540-C
71-Bicarbonate as CaCO3		302.000000 mg/l	Method: SM2320-B
72-Carbonate as CaCO3	<	5.000000 mg/l	Method: SM2320-B
133-Total Cations		11.400000 meq/l	Method: SM1030
134-Total Anions		10.700000 meq/l	Method: SM1030
135-Cation/Anion Balance		3.100000 PC DIFF	Method: PC. DIFF
145-Total Iron		.270000 mg/l	Method: EPA 200.
149-Total Manganese		.011000 mg/l	Method: EPA 200.

SITE TYPE: Stream
SITE: SW-1

Laboratory: FLD 20080417-1 Period:OPER
Sample Date: 04/17/2008 Time: 12:15 Reported: Received:
11-Flow 2.000000 GPM Method: ALL OTHE

Laboratory: FLD 20080528-5 Period:OPER
Sample Date: 05/28/2008 Time: 10:25 Reported: Received:
11-Flow 85.000000 GPM Method: ALL OTHE

Laboratory: SGS 5980035703 Period:OPER
Sample Date: 06/16/2008 Time: 12:01 Reported: 06/27/2008 Received: 06/16/2008

1-Field Water Temperature		15.400000 Deg. C	Method: NONE
2-pH (fld)		8.150000 pH units	Method: NONE
3-Dissolved Oxygen (field)		7.710000 mg/l	Method: NONE
4-Sp. Conductivity (fld)		840.000000 umhos/cm	Method: NONE
11-Flow		22.000000 GPM	Method: ALL OTHE
14-pH (lab)		8.230000 pH units	Method: SM4500-H
16-Total Suspended Solids	<	5.000000 mg/l	Method: SM2540-D
19-Oil/Grease	<	5.000000 mg/l	Method: EPA 1664
36-Dissolved Calcium		77.420000 mg/l	Method: EPA 200.
40-Dissolved Iron	<	.030000 mg/l	Method: EPA 200.
42-Dissolved Magnesium		48.040000 mg/l	Method: EPA 200.
43-Dissolved Manganese		.015000 mg/l	Method: EPA 200.
45-Dissolved Potassium		1.590000 mg/l	Method: EPA 200.
48-Dissolved Sodium		20.900000 mg/l	Method: EPA 200.
51-Acidity as CaCO3	<	5.000000 mg/l	Method: D1067-92
53-Chloride		11.000000 mg/l	Method: EPA 300.
60-Sulfate		88.000000 mg/l	Method: EPA 300.
62-Total Alkalinity as CaCO3		298.000000 mg/l	Method: SM2320-B
63-Total Hardness as CaCO3		391.000000 mg/l	Method: SM2340-B
67-Specific Conductivity (Lab)		739.000000 umhos/cm	Method: SM2510-B
68-Total Dissolved Solids @ 180 C		403.000000 mg/l	Method: SM2540-C
71-Bicarbonate as CaCO3		298.000000 mg/l	Method: SM2320-B
72-Carbonate as CaCO3	<	5.000000 mg/l	Method: SM2320-B
133-Total Cations		8.800000 meq/l	Method: SM1030
134-Total Anions		8.100000 meq/l	Method: SM1030
135-Cation/Anion Balance		3.900000 PC DIFF	Method: PC. DIFF
145-Total Iron	<	.050000 mg/l	Method: EPA 200.
149-Total Manganese		.022000 mg/l	Method: EPA 200.

SITE: SW-2

Laboratory: FLD 20080417-2 Period:OPER
Sample Date: 04/17/2008 Time: 12:42 Reported: Received:

11-Flow		30.000000 GPM	Method: ALL OTHE

Laboratory: FLD 20080523-3 Period:OPER
Sample Date: 05/23/2008 Time: 11:06 Reported: Received:

11-Flow		214.000000 GPM	Method: ALL OTHE

Laboratory: SGS 5980035704 Period:OPER
Sample Date: 06/16/2008 Time: 13:10 Reported: 06/30/2008 Received: 06/16/2008

1-Field Water Temperature		14.700000 Deg. C	Method: NONE
2-pH (fld)		8.500000 pH units	Method: NONE
3-Dissolved Oxygen (field)		8.270000 mg/l	Method: NONE
4-Sp. Conductivity (fld)		809.000000 umhos/cm	Method: NONE
11-Flow		54.000000 GPM	Method: ALL OTHE
14-pH (lab)		8.310000 pH units	Method: SM4500-H
16-Total Suspended Solids		10.000000 mg/l	Method: SM2540-D
19-Oil/Grease	<	5.000000 mg/l	Method: EPA 1664
36-Dissolved Calcium		70.350000 mg/l	Method: EPA 200.
40-Dissolved Iron	<	.030000 mg/l	Method: EPA 200.
42-Dissolved Magnesium		69.530000 mg/l	Method: EPA 200.
43-Dissolved Manganese	<	.002000 mg/l	Method: EPA 200.
45-Dissolved Potassium		3.590000 mg/l	Method: EPA 200.
48-Dissolved Sodium		33.040000 mg/l	Method: EPA 200.
51-Acidity as CaCO3	<	5.000000 mg/l	Method: D1067-92
53-Chloride		20.000000 mg/l	Method: EPA 300.
60-Sulfate		178.000000 mg/l	Method: EPA 300.
62-Total Alkalinity as CaCO3		292.000000 mg/l	Method: SM2320-B
63-Total Hardness as CaCO3		462.000000 mg/l	Method: SM2340-B
67-Specific Conductivity (Lab)		915.000000 umhos/cm	Method: SM2510-B
68-Total Dissolved Solids @ 180 C		526.000000 mg/l	Method: SM2540-C
71-Bicarbonate as CaCO3		292.000000 mg/l	Method: SM2320-B
72-Carbonate as CaCO3	<	5.000000 mg/l	Method: SM2320-B
133-Total Cations		10.800000 meq/l	Method: SM1030
134-Total Anions		10.100000 meq/l	Method: SM1030
135-Cation/Anion Balance		3.100000 PC DIFF	Method: PC. DIFF
145-Total Iron		.080000 mg/l	Method: EPA 200.

149-Total Manganese .003000 mg/l Method: EPA 200.

SITE: SW-3

NO FLOW Date: 04/17/2008 Time: 12:53

NO FLOW Date: 05/23/2008 Time: 10:56

NO FLOW Date: 06/16/2008 Time: 13:30

SITE TYPE: UPDES Permit discharge point
SITE: UT0023728-001

NO FLOW Date: 04/01/2008 Time: 12:00

NO FLOW Date: 05/01/2008 Time: 12:00

NO FLOW Date: 06/02/2008 Time: 12:00

SITE: UT0023728-002

NO FLOW Date: 04/01/2008 Time: 12:00

NO FLOW Date: 05/01/2008 Time: 12:00

NO FLOW Date: 06/02/2008 Time: 12:00

SITE TYPE: Well
SITE: TM-1B

Laboratory: FLD 20080417-4 Period:OPER
Sample Date: 04/17/2008 Time: 12:30 Reported: Received:
8-Depth 19.590000 feet Method: ALL OTHE
This Parameter is out by 3.15 Standard Deviations(STD). One STD is 1.10 with a mean of 23.06.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported

Laboratory: FLD 20080423-1 Period:OPER
Sample Date: 04/23/2008 Time: 11:16 Reported: Received:
8-Depth 19.990000 feet Method: ALL OTHE
This Parameter is out by 2.79 Standard Deviations(STD). One STD is 1.10 with a mean of 23.06.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported

Laboratory: SGS 5980035701 Period:OPER
Sample Date: 06/16/2008 Time: 12:40 Reported: 06/30/2008 Received: 06/16/2008
1-Field Water Temperature 16.000000 Deg. C Method: NONE
2-pH (fld) 8.170000 pH units Method: NONE
3-Dissolved Oxygen (field) 5.690000 mg/l Method: NONE
4-Sp. Conductivity (fld) 932.000000 umhos/cm Method: NONE
8-Depth 19.940000 feet Method: ALL OTHE
This Parameter is out by 2.83 Standard Deviations(STD). One STD is 1.10 with a mean of 23.06.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
14-pH (lab) 8.390000 pH units Method: SM4500-H
36-Dissolved Calcium 10.080000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 10.590000 mg/l Method: EPA 200.
43-Dissolved Manganese .003000 mg/l Method: EPA 200.

45-Dissolved Potassium 2.480000 mg/l Method: EPA 200.
48-Dissolved Sodium 196.520000 mg/l Method: EPA 200.
51-Acidity as CaCO3 < 5.000000 mg/l Method: D1067-92
53-Chloride 51.000000 mg/l Method: EPA 300.
60-Sulfate 12.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 436.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 69.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 965.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 547.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 344.000000 mg/l Method: SM2320-B
This Parameter is out by 4.27 Standard Deviations(STD). One STD is 10.11 with a mean of 387.14.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
72-Carbonate as CaCO3 92.000000 mg/l Method: SM2320-B
This Parameter is out by 5.91 Standard Deviations(STD). One STD is 12.14 with a mean of 20.25.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
133-Total Cations 10.000000 meq/l Method: SM1030
134-Total Anions 10.400000 meq/l Method: SM1030
135-Cation/Anion Balance 2.100000- PC DIFF Method: PC. DIFF
This Parameter is out by 2.89 Standard Deviations(STD). One STD is 1.09 with a mean of 1.06.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
145-Total Iron 1.330000 mg/l Method: EPA 200.
149-Total Manganese .015000 mg/l Method: EPA 200.

SITE: TM-3

Laboratory: FLD 20080417-5 Period:OPER
Sample Date: 04/17/2008 Time: 11:02 Reported: Received:
Comments: Artesian well; Well elevation of 6750'
8-Depth 6816.300000 feet Method: ALL OTHE
This Parameter is out by 2.39 Standard Deviations(STD). One STD is 2418.67 with a mean of 1031.77.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported

Laboratory: FLD 20080523-5 Period:OPER
Sample Date: 05/23/2008 Time: 10:28 Reported: Received:
Comments: Artesian well; Well elevation of 6750'
8-Depth 6818.500000 feet Method: ALL OTHE
This Parameter is out by 2.39 Standard Deviations(STD). One STD is 2418.67 with a mean of 1031.77.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported

Laboratory: FLD 20080616-2 Period:OPER
Sample Date: 06/16/2008 Time: 09:50 Reported: Received:
Comments: Artesian well; Well elevation of 6750'
8-Depth 6814.100000 feet Method: ALL OTHE
This Parameter is out by 2.39 Standard Deviations(STD). One STD is 2418.67 with a mean of 1031.77.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported