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OGMCOAL - RE: Parameters for the Month July 2010

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From: "Marrelli, Dana" <dmarrelli@coalsource.com>  
To: "Kevin Lundmark" <kevinlundmark@utah.gov>  
Date: 8/4/2010 9:31 AM  
Subject: RE: Parameters for the Month July 2010

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Hello Kevin,  
You are right... I switched the two numbers around. It should be 1.04 for the Pre-002 Ferrous reading and 0.44 for the 002 Ferrous reading. Sorry about that. Let me know if you need anything else.  
Thank you,  
Dana

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**From:** Kevin Lundmark [mailto:kevinlundmark@utah.gov]  
**Sent:** Tue 8/3/2010 5:11 PM  
**To:** Marrelli, Dana  
**Cc:** Steve Christensen  
**Subject:** Re: Parameters for the Month July 2010

Hi Dana,  
Thanks for sending these over and including the measured flow rates. I noticed that the ferrous iron concentration in the treated water (002, 1.04 mg/L) is greater than the untreated water (pre-002, 0.44 mg/L). Can you please confirm these results?

Thanks again,  
Kevin

>>> "Marrelli, Dana" <dmarrelli@coalsource.com> 8/3/2010 10:10 AM >>>  
Hello...

Here are the extra parameters for the Month of July.  
All the samples were taken on 7/21/10, except ferrous iron.  
The flow in the blue pipe = 2.1 gpm.  
The flow rate on 7/21/2010 = 482 gpm.

Parameter		Pre-002	002
Iron	total, mg/L	3.97	0.68
	dissolved, mg/L	0.73	0.04
	ferrous, mg/L	0.44	1.04
Aluminum	total, mg/L	<0.03	2.34
	dissolved, mg/L	<0.03	<0.03
Manganese	total, mg/L	0.113	0.095
	dissolved, mg/L	0.113	0.095
pH	std. units	7.27	7.98
Temperature	deg. C	16	13
Conductivity	µmhos/cm2	956	929
Dissolved Oxygen	mg/L	4.48	8.46
	Bicarbonate, mg/L	370	359

7/15/10

Alkalinity	Carbonate, mg/L	<5	<5
	Total	370	359
Sulfate	mg/L	158	157

Thank you,

*Dana Marrelli*

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