

Archived: Thursday, May 31, 2012 3:59:50 PM
From: Mark Bertram
Sent: Friday, April 27, 2012 8:44:23 AM
To: Michael Zimmer
Cc: Mike Galbraith; Tom Shaw
Subject: RE: PSC Filing - Wilson Scrubber
Importance: Normal

Mike,

Just a few thoughts on the attachment. I didn't realize that there was another phase is CSAPR in 2016 that reduced the SO2 emissions further to 2,891 tons/year. Also, I don't think the attached spreadsheet will allow additional wording, but we want to permit the new scrubber with an efficiency of "up to" 99%. We don't want to lock in or have permit requirements of 99% when it is all said and done.

I'll try and knock out other items on the list as the day progresses.

Thanks,

Mark

From: Michael Zimmer [mailto:MZimmer@trinityconsultants.com]
Sent: Thursday, April 26, 2012 4:29 PM
To: Mark Bertram
Cc: Tom Shaw
Subject: Re: PSC Filing - Wilson Scrubber

We are still working on the permit application for replacing the existing horizontal flow absorber vessel with a vertical flow absorber while maintaining use of the existing limestone preparation and dewatering systems.

I was able to get the complete document referenced in your attached email at the following location:

<http://psc.ky.gov/pscscf/2012%20cases/2012-00063/>

It contained most of the details I was looking for to complete the application.

Attached is the emissions reduction expected with the replacement for your review and comments. As you can see, the emissions are focused around SO₂ emissions only.

Remaining Data Needs:

- 1) AI Form for Wilson Station
- 2) KyEIS General Report for Wilson Station and supporting spreadsheets
- 3) If available, any pre-draft versions of the revised operating permit from the Division
- 4) Any process flow diagrams or P&IDs regarding your existing FGD system
- 5) Previous DEP7007 Form N, which included the specifications on the existing WFGD

Remaining Questions:

- 1) For this application, should we also include a new Activated Carbon Injection (ACI) system for mercury removal, which was recommended in S&L document?
- 2) As I understand it, without the hydrated lime injection at Wilson, additional SO₃ would have been generated because of the SCR in combination with the existing FGD. Additional SO₃ results in more H₂SO₄ emissions, a PSD regulated pollutant. As a result of the “blue smoke”, BREC installed the hydrated lime injection system, which reduced the SO₃ emissions and opacity. Do we know how much emissions of H₂SO₄ are reduced?
- 3) Will the replacement WFGD affect H₂SO₄ emissions? I would assume these emissions would also be decreasing.

That is it for now...

Regards,
Mike

Mike Zimmer
Managing Consultant
Trinity Consultants, Inc.
1717 Dixie Highway, Suite 900
Covington, KY 41011
Office: (859) 341-8100, ext. 3
Cell: (513) 290-8951
mzimmer@trinityconsultants.com

Upcoming Trinity Courses:
[Air Quality Permitting in Jefferson County Kentucky](#), May 16 – Louisville, KY
[Subscribe](#) today to receive [Environmental Quarterly](#) by email.



From: Mark Bertram <Mark.Bertram@bigrivers.com>
To: Mike Zimmer <MZimmer@trinityconsultants.com>
Cc: Tom Shaw <Thomas.Shaw@bigrivers.com>
Date: 04/13/2012 04:13 PM
Subject: PSC Filing - Wilson Scrubber

Mike,

Attached are sections of the PSC application that discusses the Wilson scrubber. I will try and send the entire application but it may not make it through due to its overall size (i.e. 30 MB).

Thanks.

Mark W. Bertram, CHMM

Manager, Environmental Services - Air

Big Rivers Electric Corporation
201 Third Street
Henderson, KY 42420
(270) 844-6176 Office (direct)
(270) 869-7815 Cell

The information contained in this transmission is intended only for the person or entity to which it is directly addressed or copied. It may contain material of confidential and/or private nature. Any review, retransmission, dissemination or other use of, or taking of any action in reliance upon, this information by persons or entities other than the intended recipient is not allowed. If you receive this message and the information contained therein by error, please contact the sender and delete the material from your/any storage medium.[attachment "PSC - Wilson Scrubber.pdf" deleted by Michael Zimmer/Trinity Consultants]

The information transmitted is intended only for the person or entity to which it is addressed and may contain confidential and/or privileged material. Any review, retransmission, dissemination or other use of, or taking of any action in reliance upon, this information by persons or entities other than the intended recipient is prohibited. If you Received this in error, please contact the sender and delete the material from any computer.
