From: Linero, Alvaro
To: Read, David
Subject: FW: Georgia-Pacific Consumer Operations LLC, Palatka Mill, Facility ID 1070005
Date: Monday, December 10, 2012 10:28:17 AM
Attachments: Research-Cottrell Manual sec I.pdf
036-AC No. 5 PB ESP Addition of 3rd Field Final.pdf

David:

These details relate to the second piece of the G-P project.

I.e. they blank off some cyclones and also route exhaust to a different ESP.

A. A. Linero, P.E.
Florida Department of Environmental Protection
Office of Permitting and Compliance
850-717-9076

Did you know that the Department may not require you to submit a Title V fee for the 2012 calendar year? To learn more, please visit us online at the following web address: www.title5feeholiday.com

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From: Reynolds, Ron E. [mailto:Ron.Reynolds@GAPAC.com]
Sent: Friday, December 07, 2012 12:40 PM
To: Linero, Alvaro; Arif, Syed; Pell, Leigh
Cc: Tingle, Scott D.; Ruppel, Mark S.; Eckenrode, Jim P.; Antoine, Melissa K.; Morris, Daniel L.; Francis, Keith T. (PAL)
Subject: RE: Georgia-Pacific Consumer Operations LLC, Palatka Mill, Facility ID 1070005

Below is information comparing the design of the #4 Combination Boiler precipitator and the #5 Power Boiler precipitator (currently unused) that we are proposing to utilize for the #4 CB:

1) The two precipitator chambers are identical (size, structure, etc.)
2) The main difference between the two precipitators originally was that the Power Boiler inlet field was empty; an inlet field was added to the PB unit in 2007 under permit 1070005-036-AC issued October 11, 2006 (copy attached) .
3) Both Precipitators have (3) Fields, all of them have (21) collecting plates, (20) gas passages with 12" spacing
    a. The collecting plates are 41' high and 11'2" wide.
4) Each field has (120) electrodes, (6) in each gas passage.
5) Each Precipitator has (49) Rappers
    a. (12) collecting plate rappers per field
    b. (3) discharge electrode rappers per field
    c. (2) inlet and (2) outlet distribution plate rappers
6) The fields are individually energized by five (6) transformer/rectifier (T/R) sets (three per Precipitator). Each T/R is connected full wave through a single output bushing. The power supply is 480 volts, 60 Hz, 3 Phase.
    a. T/R Set Ratings

Primary Volts AC	Primary Amps AC	Secondary Volts DC	Secondary Amps DC	KVA
480 V	84	55 kV	500 mA	38.6

	Amps			kVA

7) Both utilize BHA SQ300 Controls for the Rappers and T/R Sets.
8) There are a few subtle differences that overall should not impact dust removal performance. These differences are in the style of electrodes and plates in various fields. I can get more details on this if needed.

Also attached is a section of the original Research Cottrell manual with details about both precipitator units.

This is not intended to represent the application; just preliminary information as requested. Additional information will be forwarded as available.

Best regards,

Ron Reynolds
Office 386-329-0967
Cell 386-916-3133

From: Linero, Alvaro [mailto:Alvaro.Linero@dep.state.fl.us]
Sent: Wednesday, December 05, 2012 5:59 PM
To: Reynolds, Ron E.
Cc: Pell, Leigh; Arif, Syed
Subject: RE: Georgia-Pacific Consumer Operations LLC, Palatka Mill, Facility ID 1070005

Ron:

I think 14 days is sufficient, but 30-day is best because the project we are changing was a PSD project.

If you find yourself in a squeeze, we can do the 14 days. Maybe your corporate people will have an opinion.

In either case, a good summary will allow us to act promptly and make your February outage target.

Start sending us a few pictures (of damaged and mothballed ESP's) and we can start write-up.

Al Linero.

A.A. Linero, P.E.
Florida Department of Environmental Protection
Division of Air Resource Management
Office of Permitting and Compliance
1-850-717-9076

Please take a few minutes to share your comments on the service you received from the department by clicking on this link DEP Customer Survey.

From: Reynolds, Ron E. [Ron.Reynolds@GAPAC.com]
Sent: Wednesday, December 05, 2012 5:29 PM
To: Linero, Alvaro; Arif, Syed
Cc: Ruppel, Mark S.; Eckenrode, Jim P.; Pell, Leigh; Tingle, Scott D.; McQuaig, Mary M.

Subject: Georgia-Pacific Consumer Operations LLC, Palatka Mill, Facility ID 1070005

Al and Syed,

Thank you for discussing with me today our plans regarding the No. 4 Combination Boiler (EU 016) precipitator. As we discussed, the precipitator was damaged in a fire in early November, and bark burning is currently curtailed. I had previously discussed this with Al and Leigh when we were considering rebuild of the No. 4 CB precipitator in the first quarter. Now, we are considering instead the possibility of utilizing the former No. 5 Power Boiler (EU 015) electrostatic precipitator which was taken out of service in 2008 when the No. 5 PB was converted to gas. This unit is similar in size and design to the No. 4 CB unit and is located right next to the CB unit. We propose to make the necessary modifications to tie-in the No. 5 PB precipitator at the exit of the he CB dust collector. Of course, the precipitator will be fully inspected and prepped for duty. The current thinking is that this work would be completed in February, if the necessary approvals can be obtained.

Our permitting strategy will be to request a modification of the construction permit 066-AC/070-AC, which is the permit for the No. 4 CB authorizing replacement of oil with natural gas auxiliary fuel, electric ID fan, dust collector modification, and replacement of tubes in the air preheater. The latter was approved in 070-AC which extended the expiration date to 1/1/2014. You suggested a shortened application form (the first four pages) with sufficient details regarding the No. 5 precipitator to demonstrate that it is similar in design and efficiency to the No. 4 CB unit, before it was damaged.

We will get the application package in your hands as soon as practicable, understanding that you will require time to review and issue the draft permit. Will this require the 14-day public notice?

Best regards,

Ron

Ron Reynolds
Senior Environmental Engineer – Air
GP, Palatka Operations
Palatka, FL 32178-0919
Office 386-329-0967
Cell 386-916-3133