

RE: AFIN 02-00013 NPDES Permit No. AR0001210, Georgia Pacific Consumer Operations LLC, Crossett, AR

Wednesday, August 15, 2018
3:11 PM

Subject	RE: AFIN 02-00013 NPDES Permit No. AR0001210, Georgia Pacific Consumer Operations LLC, Crossett, AR
From	Byrum, Shane
To	Blanz, Bob
Sent	Wednesday, April 4, 2018 12:51 PM

Bob,

I have reviewed the March 19, 2018 letter report by AquAeTer, Inputs Used for Flood-Flow Modeling. There are some discrepancies between the depths, widths, and velocities used in the model and what is presented in this supplemental report. Before you send to EPA, the values in this supplemental report need to match model inputs as follows:

1. The values in the following table within Figure 2 should be changed as shown to match the modeled inputs.

Figure 2. Transect Profiles for Flood Elevations

Stage (Ft – NGVD29)	Average Depth at Transect (Ft)	Width of Transect (Ft)
65'	3.25 3.18	21,777 22,375
75'	12.62 11.25	28,457 28,778

2. The values in the following table should be changed as shown to match the modeled inputs.

Table 2. Evaluation of Velocity Coefficient and Exponent

Stage	Total Area (ft ²)	Flow (cfs)	Average Velocity Calculated by Area (ft/sec)	Average Velocity Calculated using Original Variables (ft/sec)	Average Velocity Calculated using Flood-Flow Variables (ft/sec)
65	70,774 71,251	17,250	0.24 0.242	0.07	0.24 0.242
75	359,105 323,874	43,364	0.12 0.134	0.073	0.12 0.134

3. The values in the following table should be changed as shown to match the modeled inputs.

Table 4. Evaluation of Depth Coefficient and Exponent

Stage	Average	Flow	Depth Calculated using	Depth Calculated using
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	Depth (ft)	(cfs)	Original Variables (ft)	Flood-Flow Variables (ft)
65	3.25 3.18	17,250	11.7	3.25 3.18
75	12.62 11.25	43,364	12.2	12.62 11.25

Shane Byrum
Staff Engineer
Arkansas Department of Environmental Quality
NPDES Branch, Office of Water Quality
(501) 682-0618
byrum@adeq.state.ar.us

From: Blanz, Bob
Sent: Wednesday, April 4, 2018 8:25 AM
To: Byrum, Shane
Subject: FW: AFIN 02-00013 NPDES Permit No. AR0001210, Georgia Pacific Consumer Operations LLC, Crossett, AR

Shane: if you are ok with this I will fwd to EPA

From: Ross, Sarah M. [<mailto:Sarah.Ross@GAPAC.com>]
Sent: Monday, March 19, 2018 2:16 PM
To: Blanz, Bob; Reiber, Loretta
Cc: Kuhlman, Steven J.; Johnson, Rachel M. (Crossett)
Subject: AFIN 02-00013 NPDES Permit No. AR0001210, Georgia Pacific Consumer Operations LLC, Crossett, AR

AFIN 02-00013
NPDES Permit No. AR0001210
Facility: Georgia Pacific Consumer Operations LLC, Crossett, AR
Attachment: "Basis For Model Inputs Final.pdf"

Mr. Blanz, to follow-up our telephone discussion this past Friday, March 16, 2018, please review the attached submittal.

Sincerely,
Sarah Ross,
Manager – Environmental Mill Services
Georgia Pacific Consumer Operations LLC –
Crossett Paper Operations

Sarah.Ross@gapac.com

Desk (870) 567-8670

From: John Michael Corn [<mailto:JMCorn@aquater.com>]
Sent: Monday, March 19, 2018 12:10 PM
To: Ross, Sarah M. <Sarah.Ross@GAPAC.com>; Kuhlman, Steven J. <SJKUHLMA@GAPAC.com>
Cc: Mike Corn <MCorn@aquater.com>; Paul Marotta <PMarotta@aquater.com>; Johnson, Rachel M. (Crossett) <Rachel.JOHNSON2@GAPAC.com>

Subject: RE: Revised Draft

Sent by an external sender

Sarah,
Please let me know if you need anything else.

Regards,
John Michael

From: Ross, Sarah M. <Sarah.Ross@GAPAC.com>

Sent: Monday, March 19, 2018 11:34 AM

To: John Michael Corn <JMCorn@aquater.com>; Kuhlman, Steven J. <SJKUHLMA@GAPAC.com>

Cc: Mike Corn <MCorn@aquater.com>; Paul Marotta <PMarotta@aquater.com>; Johnson, Rachel M. (Crossett) <Rachel.JOHNSON2@GAPAC.com>

Subject: RE: Revised Draft

Importance: High

John Michael Corn, P.E.

AquaAeTer, Inc.

Phone: (615) 373-8532

Fax: (615) 373-8512

www.aquater.com

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