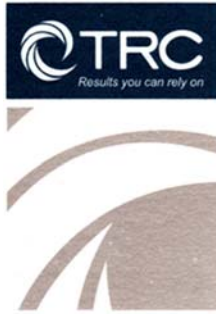


July 31, 2015



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July 31, 2015

Ms. Lori Simmons  
Arkansas Department of Health  
4815 West Markham Street  
Little Rock, Arkansas 72205  
Via email [Lori.Simmons@arkansas.gov](mailto:Lori.Simmons@arkansas.gov)

**Re: Georgia-Pacific, Crossett Mill - Biweekly Air Monitoring Report for Hydrogen Sulfide**

Dear Ms. Simmons,

Following is the biweekly data summary for the Georgia-Pacific (GP) hydrogen sulfide (H<sub>2</sub>S) and meteorological monitoring program, at the GP Crossett mill, covering the calendar period of July 1<sup>st</sup> through 14<sup>th</sup>.

Summary of Results

Included in this report are three plots presenting H<sub>2</sub>S concentrations calculated with varied rolling average periods (30-minute, 8-hour, and 24-hour). Also included in this report is a summary of results from the daily 1-point QC checks performed during this biweekly period. The QAPP establishes goals for precision and bias as a coefficient of variation (CV) <10% and ± 10%, respectively. Precision and bias are calculated in accordance with 40 CFR Part 58 Appendix A, Section 4.1.

Fourteen-day time series plots for all recorded meteorological (met) parameters are presented in the final table. There were two occurrences of minor met data loss during this two week period, due to brief power outages during the afternoons of July 8<sup>th</sup> and 10<sup>th</sup>.

There were no periods of H<sub>2</sub>S data loss during this two week period, other than those resulting from automated daily 1-point QC and weekly calibration checks. Results for all automated daily 1-point QC checks fall within the acceptable range, indicating the H<sub>2</sub>S monitor was operating in accordance with the QAPP.

Please feel free to contact me if you have any questions or need any additional data.

Sincerely,



July 31, 2015



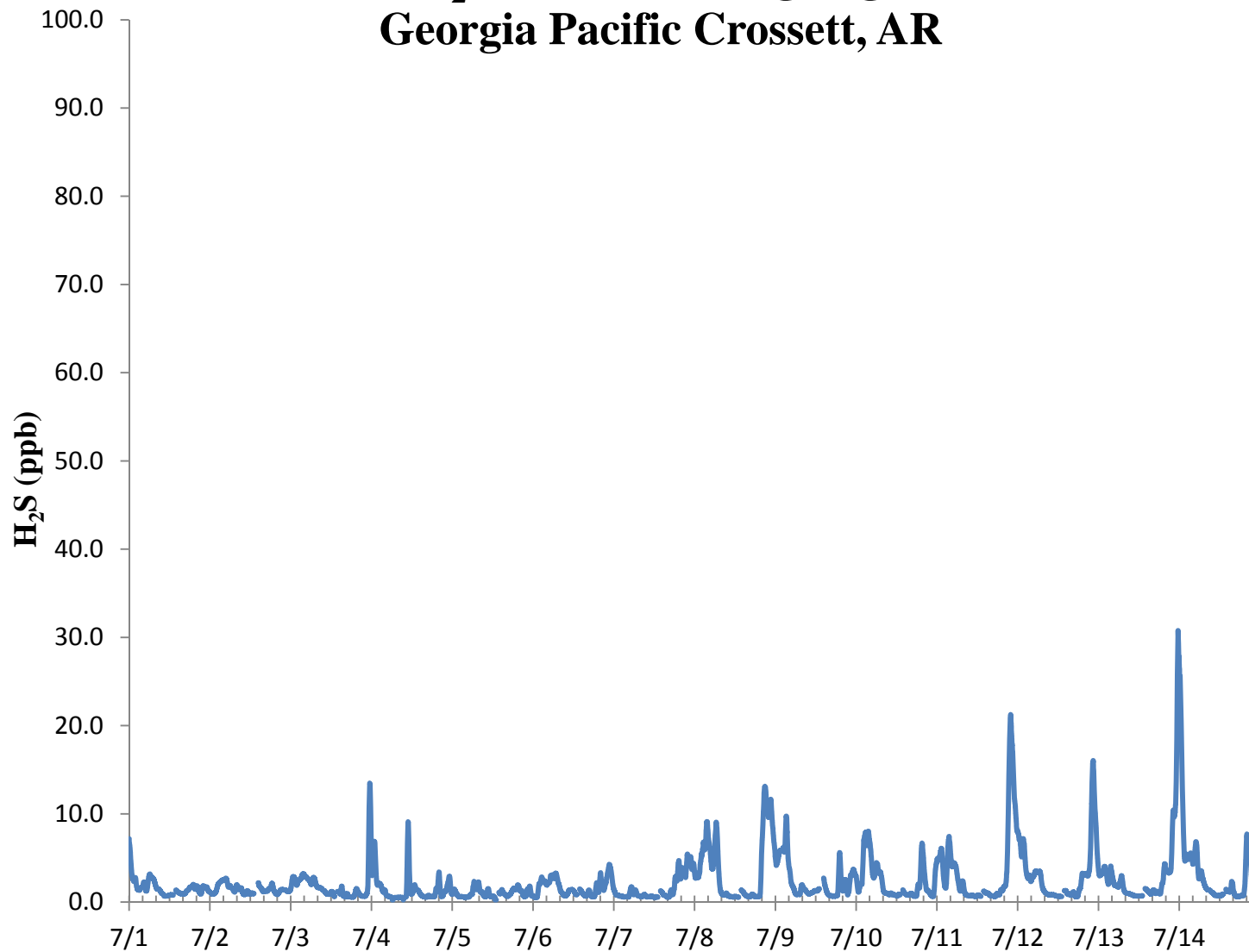
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Jonathan Bowser  
Manager, Air Quality and Meteorological Monitoring

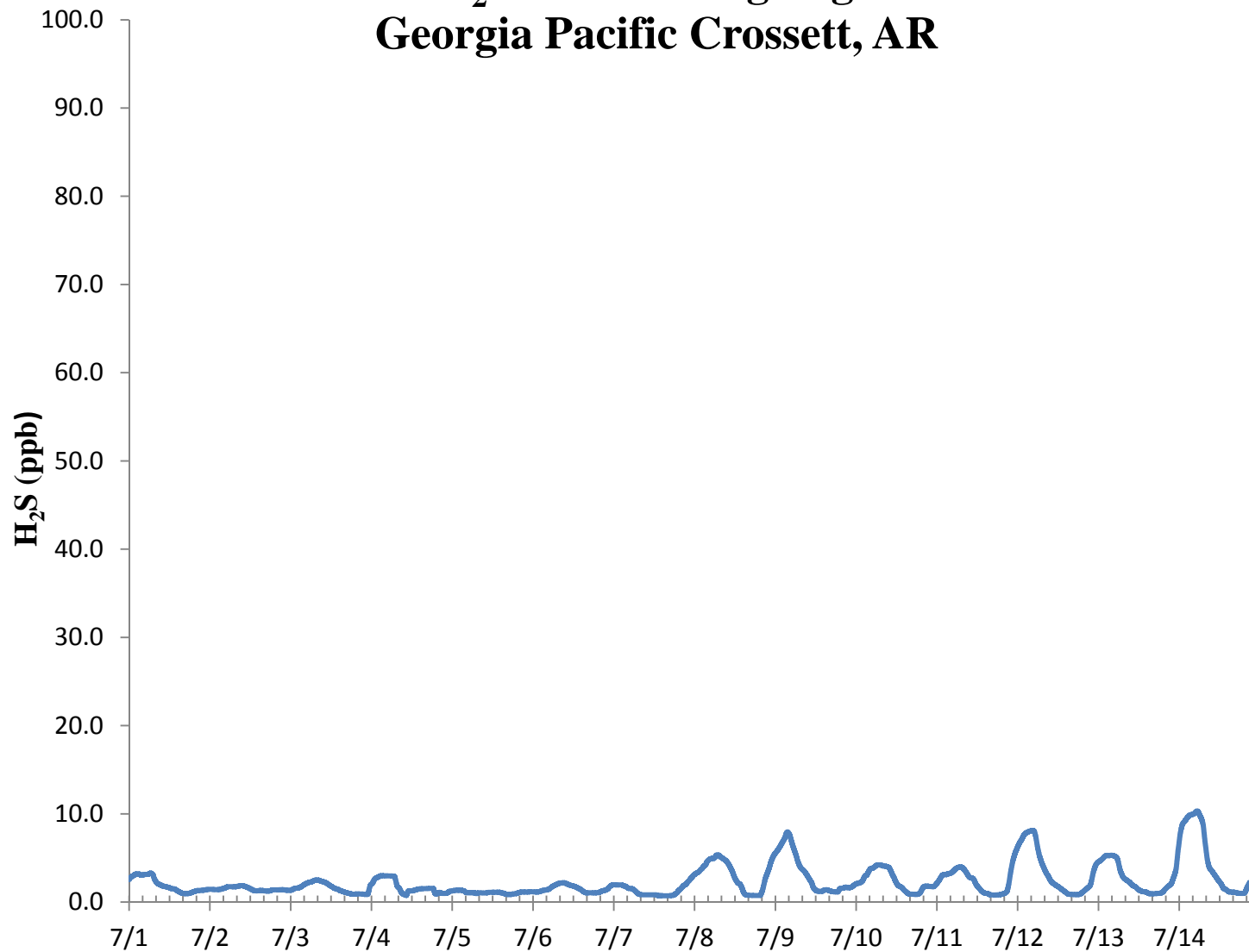
Air Measurements – Gainesville Office  
6312 NW 18th Drive, Suite 100  
Gainesville, Florida 32653  
(352) 260-1162  
Email: [jbowser@trcsolutions.com](mailto:jbowser@trcsolutions.com)

CC: Becky Keough, ADEQ Director via email: [keogh@adeq.state.ar.us](mailto:keogh@adeq.state.ar.us)  
Kara Allen, Environmental Engineer, USEPA Region 6 via email [Allen.Kara@epa.gov](mailto:Allen.Kara@epa.gov)

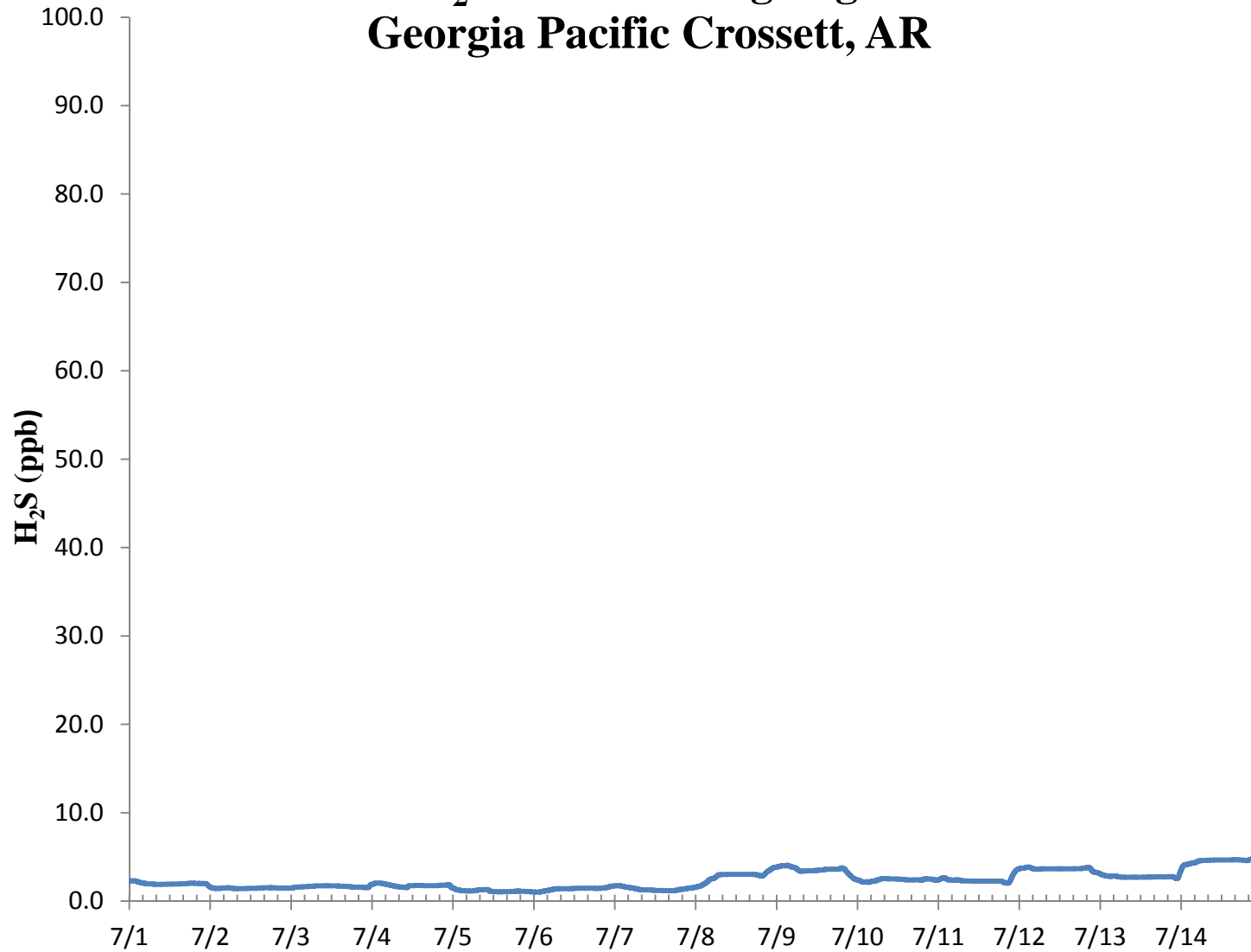
### H<sub>2</sub>S 30 Min Rolling Avg Georgia Pacific Crossett, AR



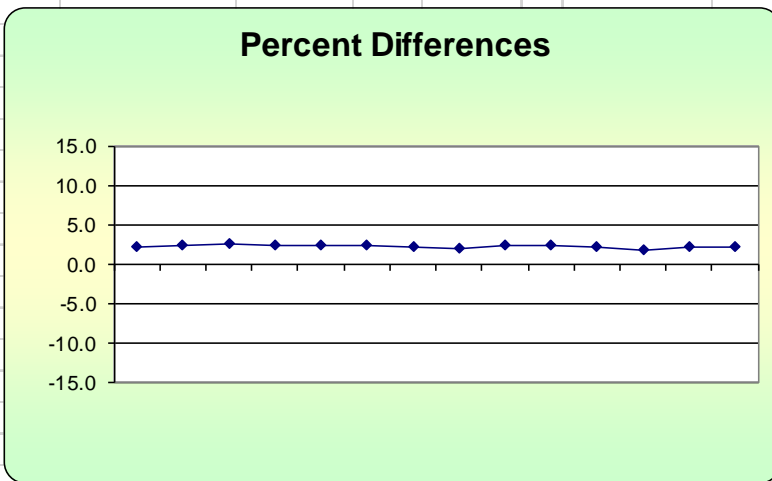
## H<sub>2</sub>S 8 Hr Rolling Avg Georgia Pacific Crossett, AR



## H<sub>2</sub>S 24 Hr Rolling Avg Georgia Pacific Crossett, AR



Date	Meas Val (Y)	Audit Val (X)	d (Eqn. 1)	25th Percentile	$d^2$	d	$ d ^2$					
7/1/2015 13:00	71.5	70.0	2.1	2.143	4.592	2.143	4.592					
7/2/2015 13:00	71.7	70.0	2.4	<b>75th Percentile</b>	5.898	2.429	5.898	<b>n</b>	<b>S<sub>d</sub></b>	<b>S<sub>d2</sub></b>	<b>Σ d </b>	<b>"AB" (Eqn 4)</b>
7/3/2015 13:00	71.8	70.0	2.6	2.286	6.612	2.571	6.612	14	0.208	0.897	31.000	2.214
7/4/2015 13:00	71.6	70.0	2.3		5.224	2.286	5.224	<b>n-1</b>	<b>Σd</b>	<b>Σd<sup>2</sup></b>	<b>Σ d <sup>2</sup></b>	<b>"AS" (Eqn 5)</b>
7/5/2015 13:00	71.7	70.0	2.4		5.898	2.429	5.898	13	31.000	69.204	69.204	0.208
7/6/2015 13:00	71.6	70.0	2.3		5.224	2.286	5.224					
7/7/2015 13:00	71.5	70.0	2.1		4.592	2.143	4.592				<b>Bias (%) (Eqn 3)</b>	Both Signs Positive
7/8/2015 13:00	71.4	70.0	2.0		4.000	2.000	4.000				2.31	TRUE
7/9/2015 13:00	71.6	70.0	2.3		5.224	2.286	5.224	<b>CV (%) (Eqn 2)</b>			<b>Signed Bias (%)</b>	Both Signs Negative
7/10/2015 13:00	71.6	70.0	2.3		5.224	2.286	5.224	0.28			+2.31	FALSE
7/11/2015 13:00	71.5	70.0	2.1		4.592	2.143	4.592					
7/12/2015 13:00	71.2	70.0	1.7		2.939	1.714	2.939	<b>Upper Probability Limit</b>	<b>Lower Probability Limit</b>			
7/13/2015 13:00	71.5	70.0	2.1		4.592	2.143	4.592	2.62	1.81			
7/14/2015 13:00	71.5	70.0	2.1		4.592	2.143	4.592					



Meteorological Summary

