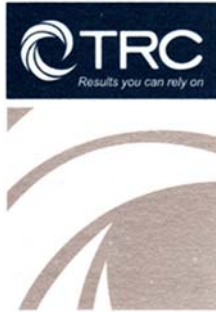


September 2, 2016



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September 2, 2016

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 27<sup>th</sup> through August 9<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.

There was a single occurrence of data loss during this two week period, in addition to those resulting from automated daily 1-point QC and weekly calibration checks. On August 3<sup>rd</sup>, a manual zero adjustment was performed on account of zero-drift, this adjustment resulted in approximately 30 minutes of invalid H<sub>2</sub>S data. Results for all available 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.

Fourteen-day time series plots for all recorded meteorological (met) parameters are presented in the final table. All met parameters have 100% data capture for this report period.

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

Sincerely,



September 2, 2016



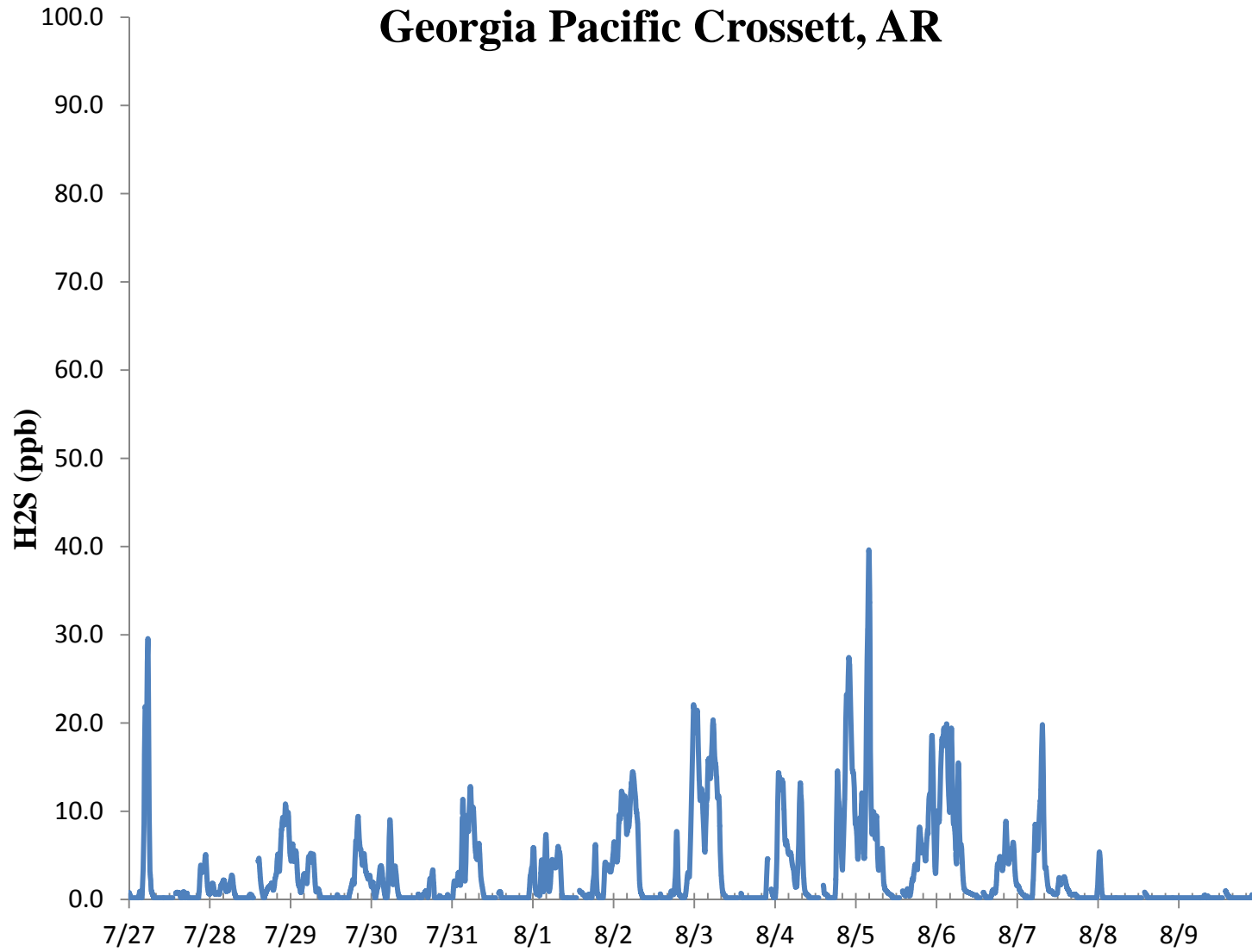
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Jonathan Bowser  
Manager, Air Quality and Meteorological Monitoring

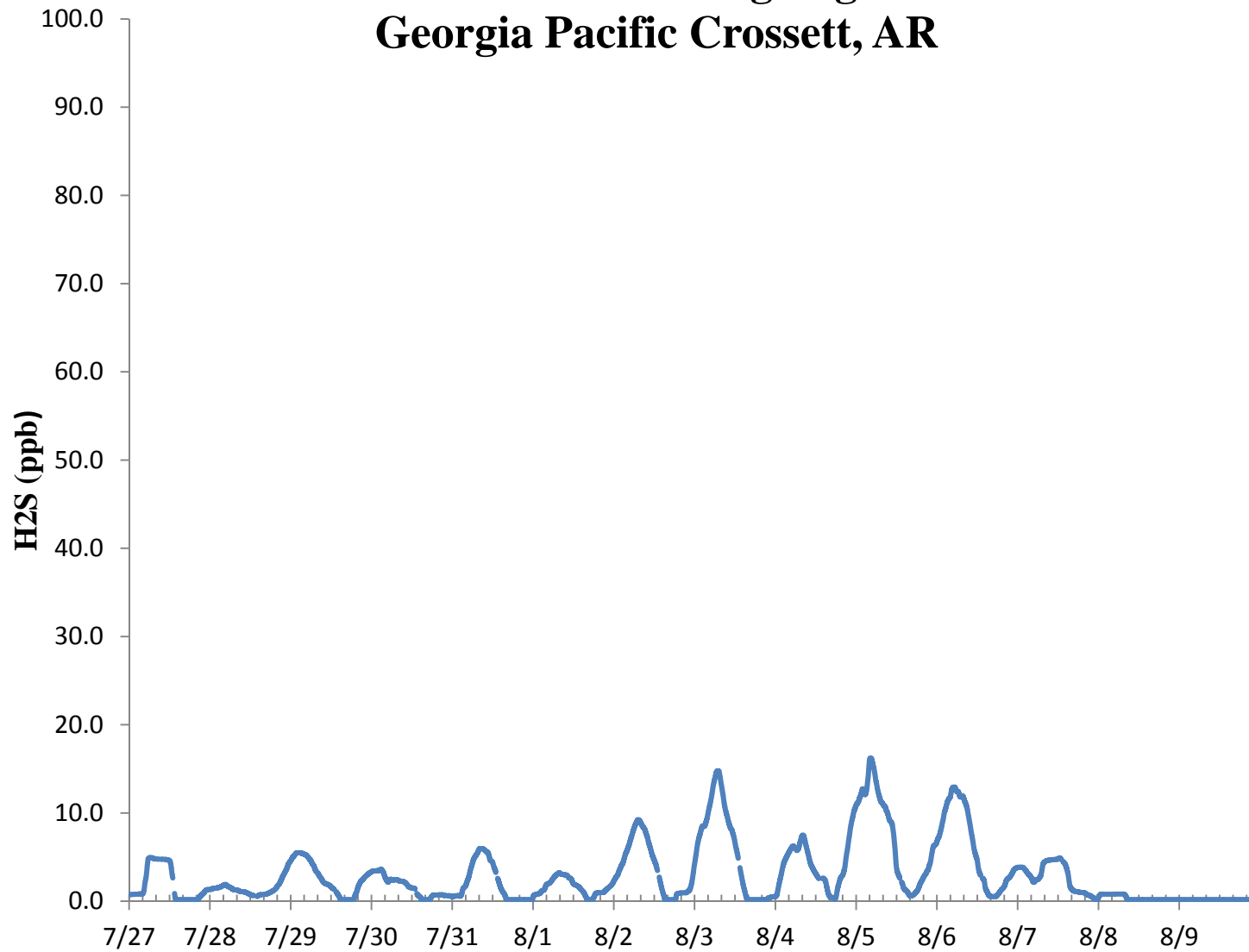
Air Measurements – Gainesville Office  
6312 NW 18th Drive, Suite 100  
Gainesville, Florida 32653  
(352) 260-1162  
Email: [jbowser@trcsolutions.com](mailto:jbowser@trcsolutions.com)

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)

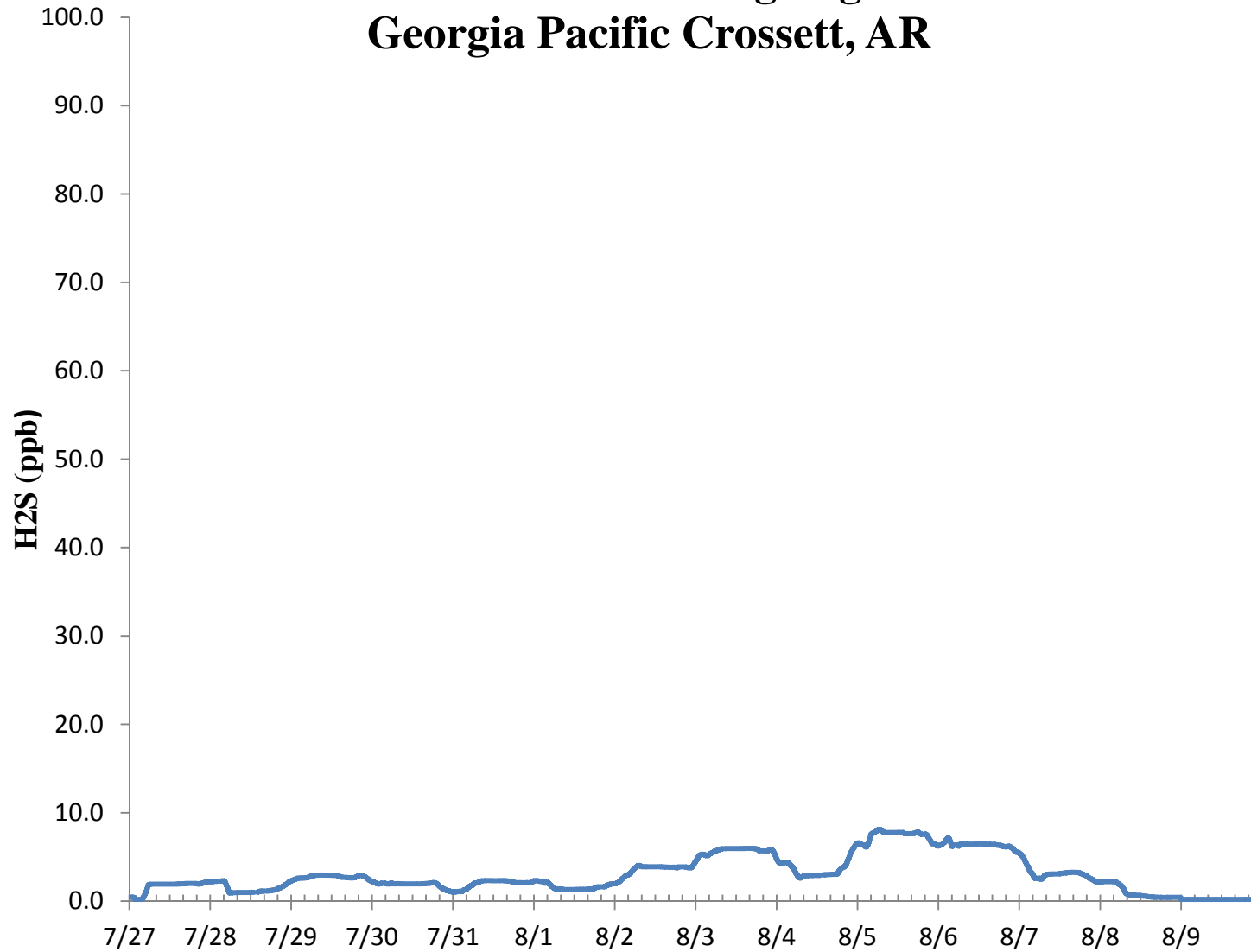
## H2S 30 Min Rolling Avg Georgia Pacific Crossett, AR



## H2S 8 Hr Rolling Avg Georgia Pacific Crossett, AR

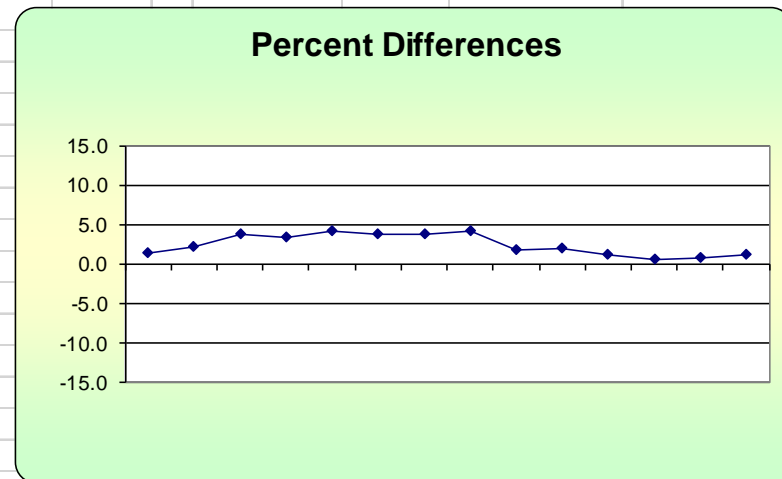


## H2S 24 Hr Rolling Avg Georgia Pacific Crossett, AR



### H<sub>2</sub>S Assessment

GP - Crossett, AR			Pollutant type: H <sub>2</sub> S					CV <sub>ub</sub> (%)	Bias (%)
Date	Meas Val (Y)	Audit Val (X)	d (Eqn. 1)	25th Percentile	d <sup>2</sup>	d	d  <sup>2</sup>		
7/27/2016 13:00	70.9	70.0	1.3	1.179	1.653	1.286	1.653		
7/28/2016 13:00	71.5	70.0	2.1	<b>75th Percentile</b>	4.592	2.143	4.592		
7/29/2016 13:00	72.6	70.0	3.7	3.714	13.796	3.714	13.796	<b>n</b>	<b>S<sub>d</sub></b>
7/30/2016 13:00	72.4	70.0	3.4		11.755	3.429	11.755	14	1.359
7/31/2016 13:00	72.9	70.0	4.1		17.163	4.143	17.163	<b>n-1</b>	<b>S<sub>d2</sub></b>
8/1/2016 13:00	72.7	70.0	3.9		14.878	3.857	14.878	13	6.744
8/2/2016 13:00	72.6	70.0	3.7		13.796	3.714	13.796	<b>Σ d </b>	33.714
8/3/2016 13:00	72.9	70.0	4.1		17.163	4.143	17.163	<b>Σd</b>	33.714
8/4/2016 13:00	71.2	70.0	1.7		2.939	1.714	2.939	<b>Σd<sup>2</sup></b>	105.184
8/5/2016 13:00	71.4	70.0	2.0		4.000	2.000	4.000	<b>Σ d <sup>2</sup></b>	105.184
8/6/2016 13:00	70.8	70.0	1.1		1.306	1.143	1.306	<b>"AB" (Eqn 4)</b>	2.408
8/7/2016 13:00	70.4	70.0	0.6		0.327	0.571	0.327	<b>"AS" (Eqn 5)</b>	1.359
8/8/2016 13:00	70.5	70.0	0.7		0.510	0.714	0.510	<b>Bias (%) (Eqn 3)</b>	3.05
8/9/2016 13:00	70.8	70.0	1.1		1.306	1.143	1.306	<b>Signed Bias (%)</b>	+3.05
								<b>CV (%) (Eqn 2)</b>	1.85
								<b>Upper Probability Limit</b>	5.07
								<b>Lower Probability Limit</b>	-0.25



Meteorological Summary

