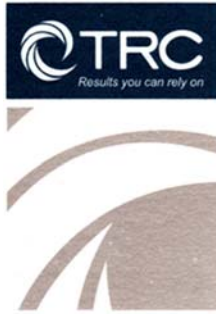


February 29, 2016



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February 29, 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 January 27<sup>th</sup> through February 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). Please note, observed H<sub>2</sub>S concentrations were elevated on February 5<sup>th</sup> and 7<sup>th</sup>. The highest recorded 30-min rolling average concentrations on the 5<sup>th</sup> and 7<sup>th</sup> were 134.2 ppb and 70.5 ppb, respectively. The highest recorded 8-hour rolling average concentrations on the 5<sup>th</sup> and 7<sup>th</sup> were 63.0 ppb and 32.6 ppb, respectively.

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. All met parameters have 100% data capture for this report period.

There were no instances of data loss during this two week period, other than those resulting from automated daily 1-point QC and weekly calibration checks. 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.

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



February 29, 2016

Sincerely,



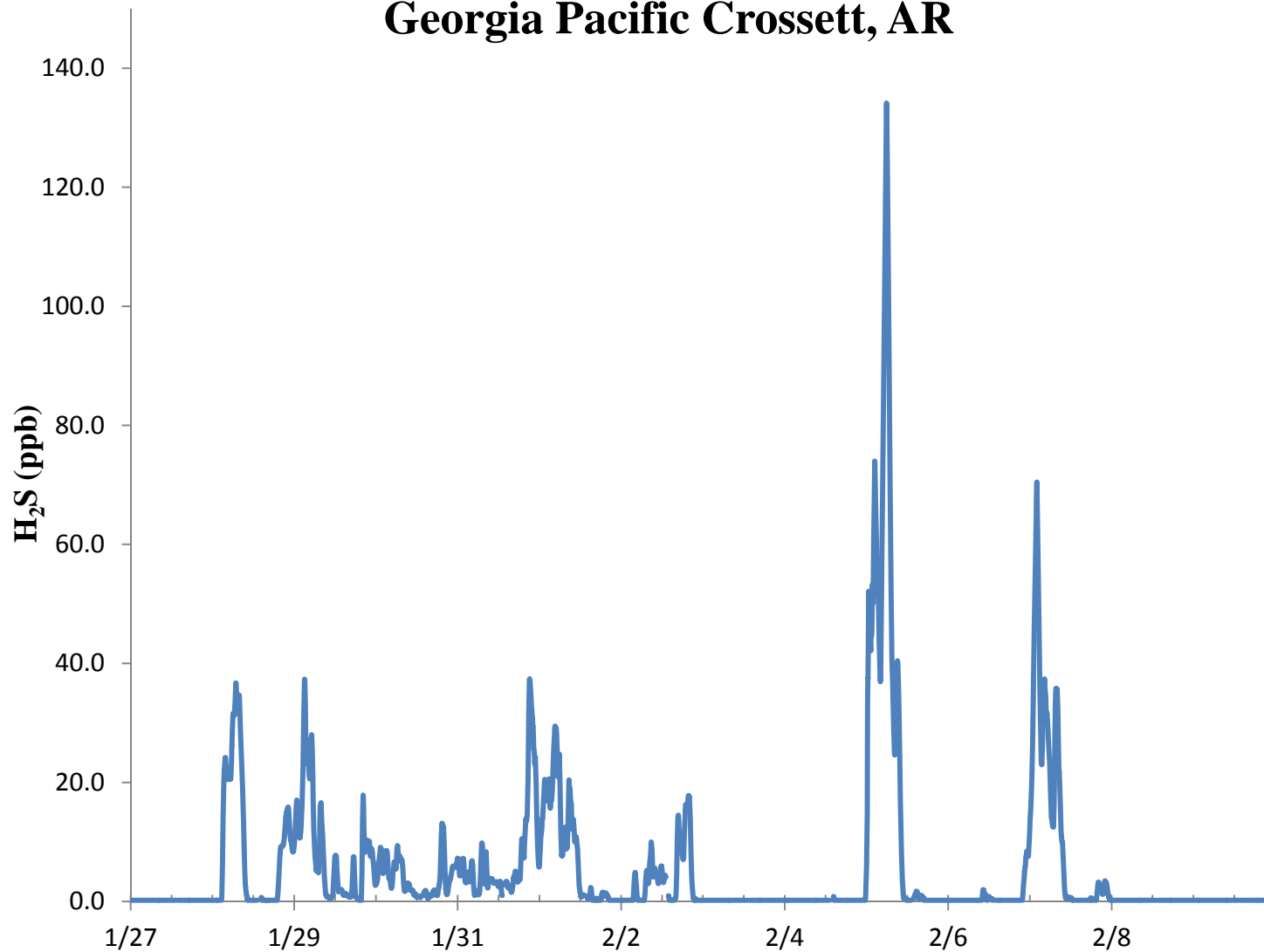
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Jonathan Bowser  
Manager, Air Quality and Meteorological Monitoring

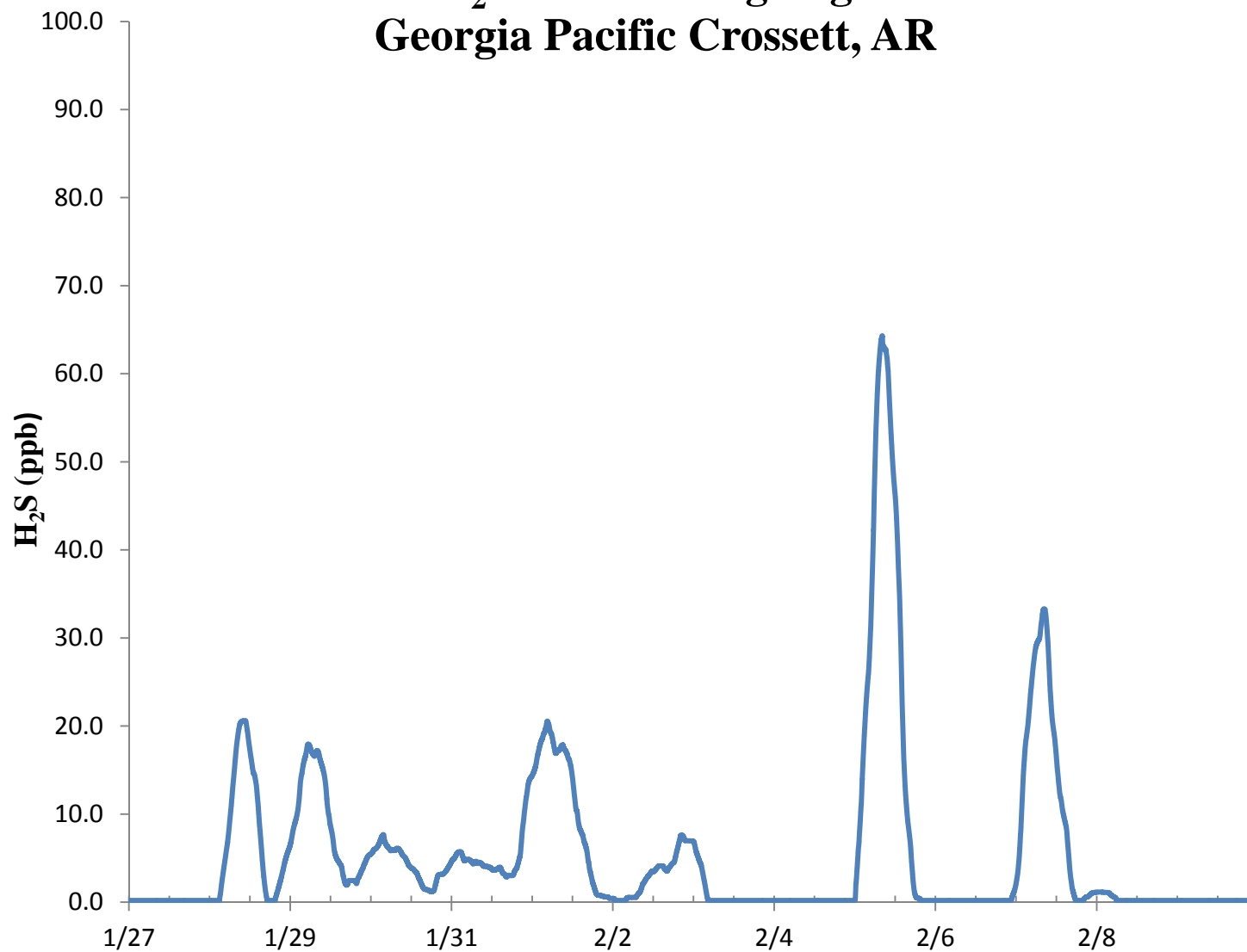
Air Measurements – Gainesville Office  
6312 NW 18th Drive, Suite 100  
Gainesville, Florida 32653  
(352) 260-1162  
Email: [jbowser@trcsolutions.com](mailto:jbowser@trcsolutions.com)

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)

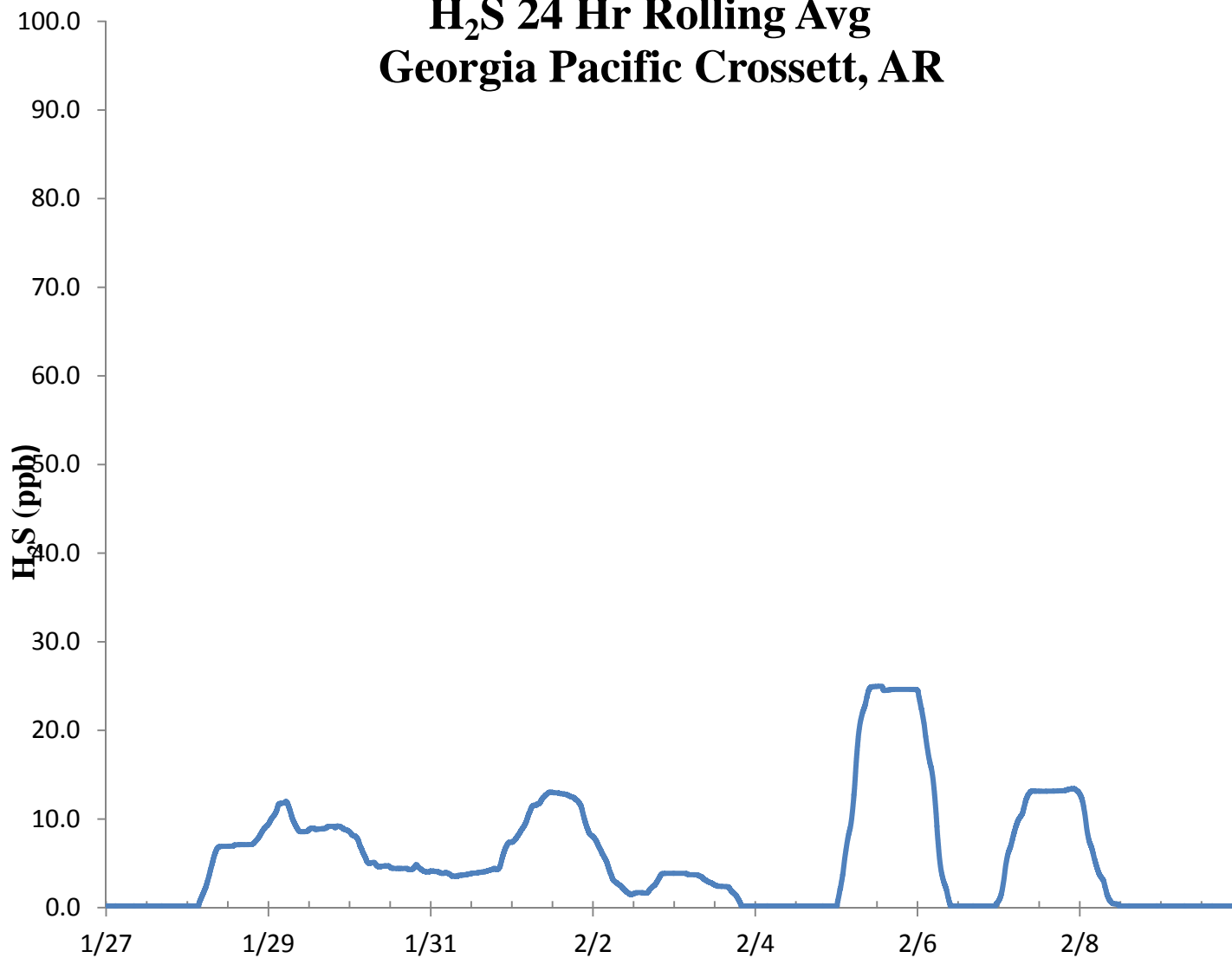
### H<sub>2</sub>S 30 Min Rolling Avg Georgia Pacific Crossett, AR



### 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



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

GP - Crossett, AR			Constituent 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>			
1/27/2016 13:00	66.8	70.0	-4.6	-5.250	20.898	4.571	20.898			
1/28/2016 13:00	67.7	70.0	-3.3	<b>75th Percentile</b>	10.796	3.286	10.796	<b>n</b>	<b>S<sub>d</sub></b>	
1/29/2016 13:00	68.4	70.0	-2.3	-1.857	5.224	2.286	5.224	14	2.053	
1/30/2016 13:00	68.8	70.0	-1.7		2.939	1.714	2.939	<b>n-1</b>	<b>Σd</b>	
1/31/2016 13:00	68.8	70.0	-1.7		2.939	1.714	2.939	13	-52.286	
2/1/2016 13:00	69.5	70.0	-0.7		0.510	0.714	0.510	<b>S<sub>d2</sub></b>	15.669	
2/2/2016 13:00	69.4	70.0	-0.9		0.735	0.857	0.735	<b>Σ d </b>	52.286	
2/3/2016 13:00	66.9	70.0	-4.4		19.612	4.429	19.612	<b>"AB" (Eqn 4)</b>	3.735	
2/4/2016 13:00	65.5	70.0	-6.4		41.327	6.429	41.327	<b>Bias (%) (Eqn 3)</b>	4.71	
2/5/2016 13:00	66.7	70.0	-4.7		22.224	4.714	22.224	<b>CV (%) (Eqn 2)</b>	2.79	
2/6/2016 13:00	66.0	70.0	-5.7		32.653	5.714	32.653	<b>Signed Bias (%)</b>	-4.71	
2/7/2016 13:00	67.6	70.0	-3.4		11.755	3.429	11.755	<b>Upper Probability Limit</b>	0.29	
2/8/2016 13:00	66.2	70.0	-5.4		29.469	5.429	29.469	<b>Lower Probability Limit</b>	-7.76	
2/9/2016 13:00	65.1	70.0	-7.0		49.000	7.000	49.000	<b>"AS" (Eqn 5)</b>	2.053	

#### Percent Differences

Date	Percent Difference (%)
1/27/2016 13:00	-4.6
1/28/2016 13:00	-3.3
1/29/2016 13:00	-2.3
1/30/2016 13:00	-1.7
1/31/2016 13:00	-1.7
2/1/2016 13:00	-0.7
2/2/2016 13:00	-0.9
2/3/2016 13:00	-4.4
2/4/2016 13:00	-6.4
2/5/2016 13:00	-4.7
2/6/2016 13:00	-5.7
2/7/2016 13:00	-3.4
2/8/2016 13:00	-5.4
2/9/2016 13:00	-7.0



Meteorological Summary

