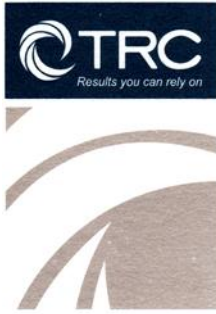


Apr 14, 2015



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April 14, 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 a data summary for the thirteenth two-week operational period of 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 March 18<sup>th</sup> through 31<sup>st</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. All met parameters have 100% data capture for this report period.

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 the morning of March 31<sup>st</sup> manual calibration checks were performed resulting in a loss of approximately 1 and 1/2 hours of 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.

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

Sincerely,



Apr 14, 2015



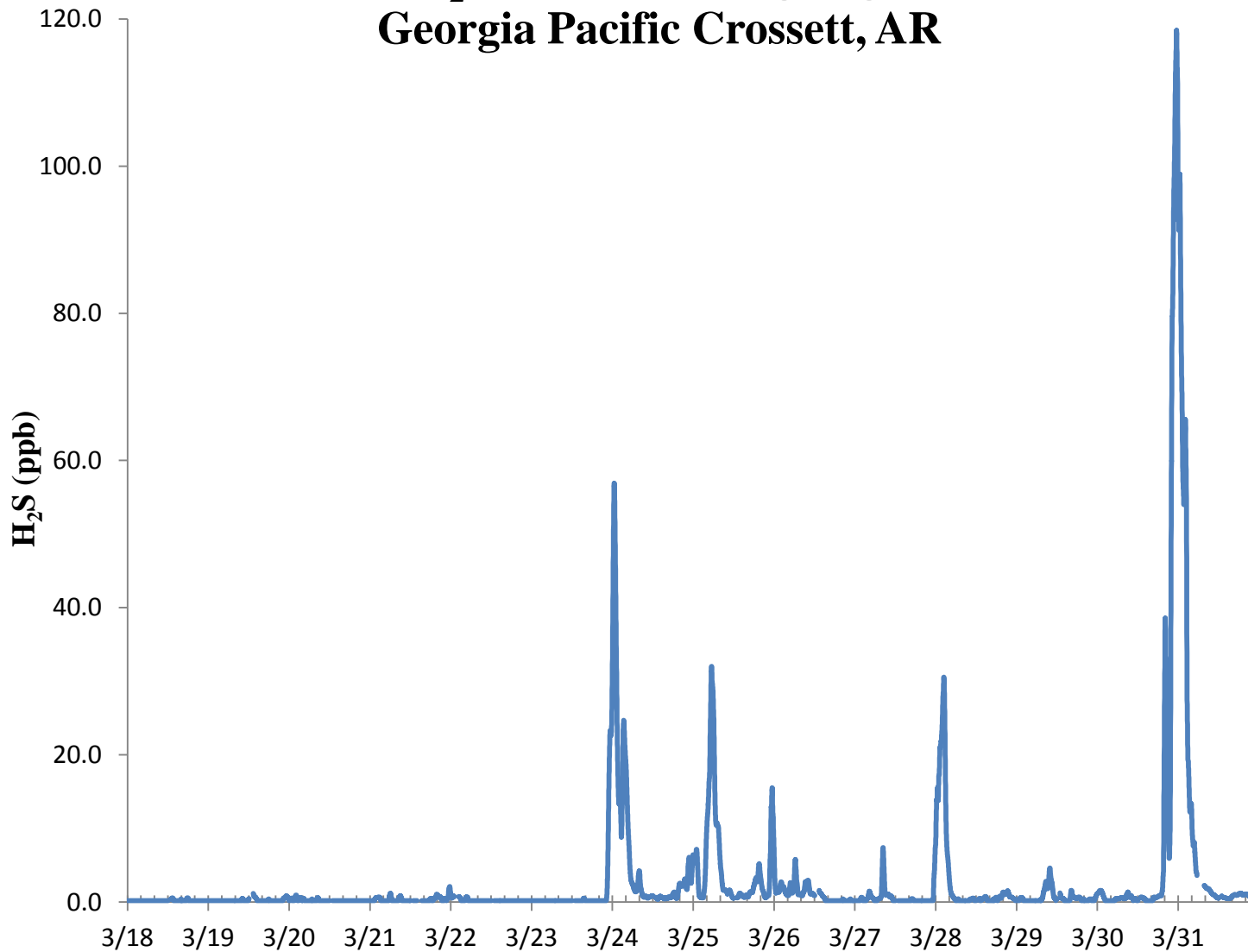
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Jonathan Bowser  
Manager, Air Quality and Meteorological Monitoring

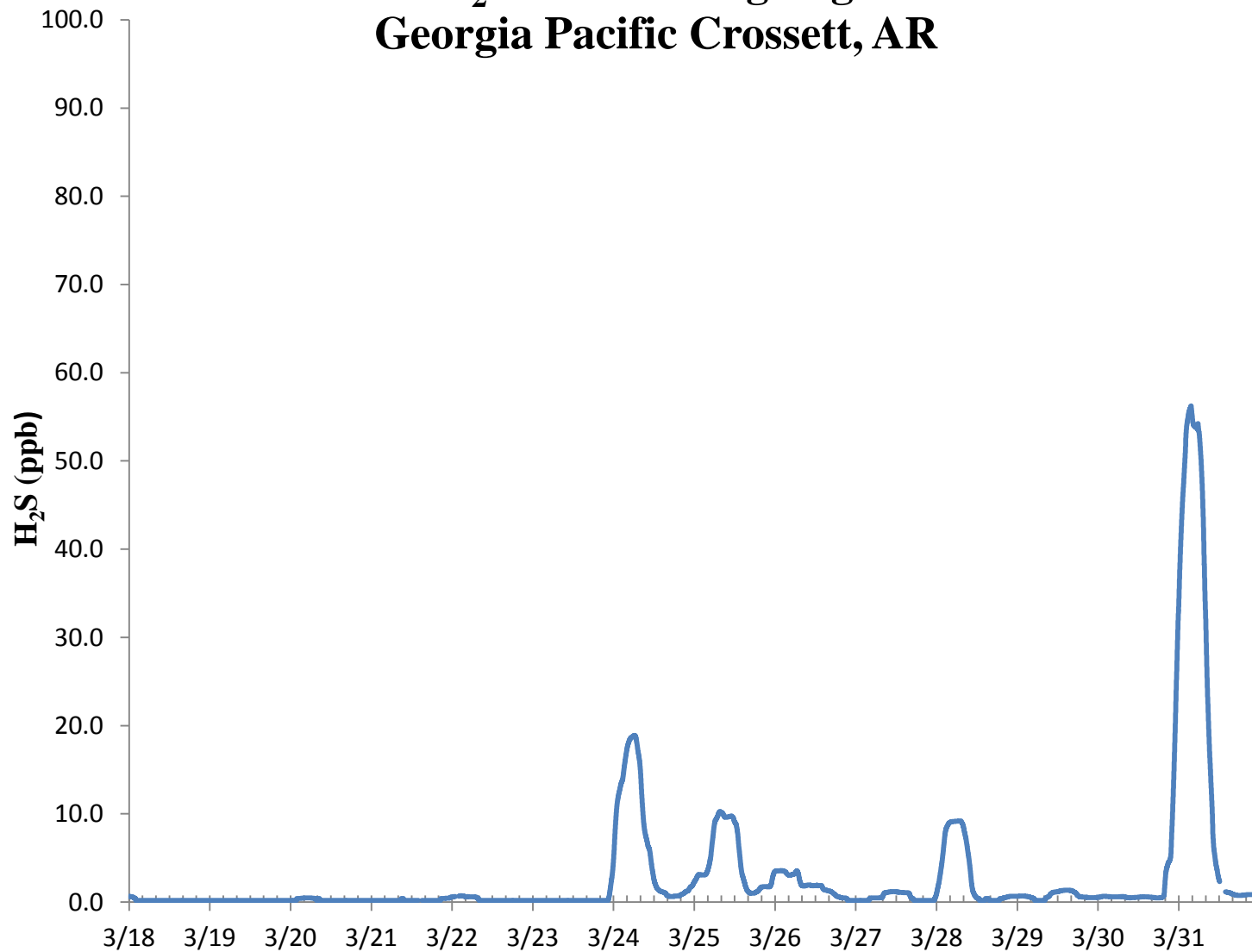
Air Measurements – Gainesville Office  
6312 NW 18th Drive, Suite 100  
Gainesville, Florida 32653  
(352) 260-1162  
Email: [jbowser@trcsolutions.com](mailto:jbowser@trcsolutions.com)

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)

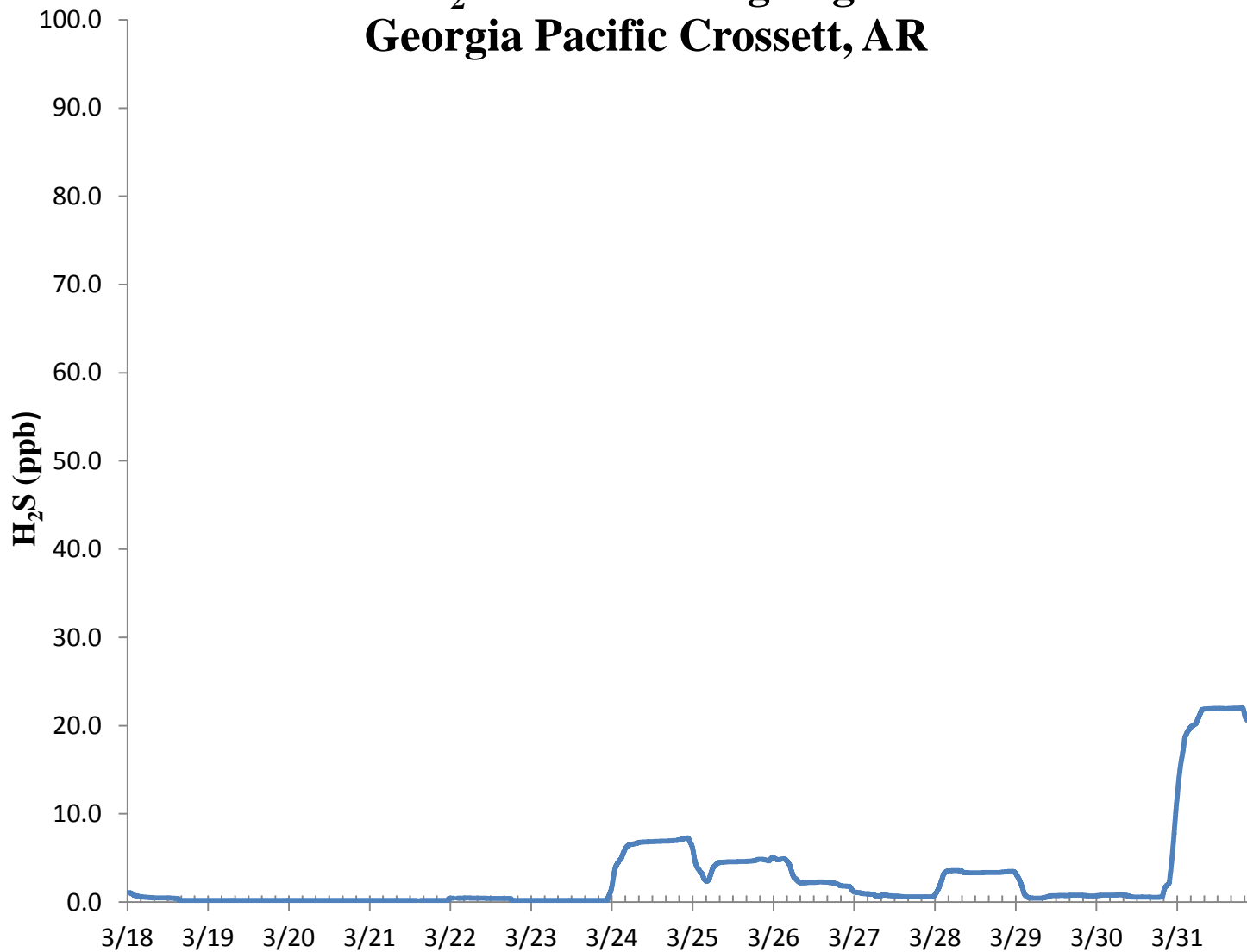
### H<sub>2</sub>S 30 Min Rolling Avg Georgia Pacific Crossett, AR



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

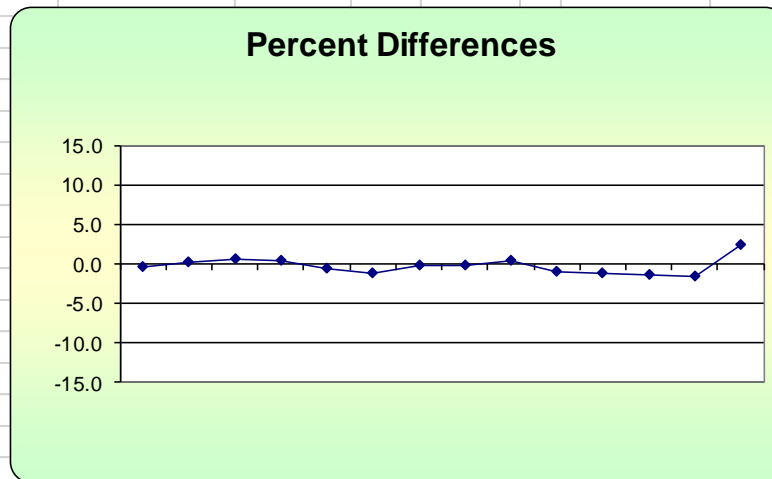


## H<sub>2</sub>S 24 Hr Rolling Avg Georgia Pacific Crossett, AR



### 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>			
3/18/2015 13:00	69.7	70.0	-0.4	-1.107	0.184	0.429	0.184			
3/19/2015 13:00	70.1	70.0	0.1	75th Percentile	0.020	0.143	0.020			
3/20/2015 13:00	70.4	70.0	0.6	0.250	0.327	0.571	0.327	<b>n</b>	<b>S<sub>d</sub></b>	
3/21/2015 13:00	70.2	70.0	0.3		0.082	0.286	0.082	14	1.026	
3/22/2015 13:00	69.6	70.0	-0.6		0.327	0.571	0.327	<b>n-1</b>	<b>S<sub>d2</sub></b>	
3/23/2015 13:00	69.2	70.0	-1.1		1.306	1.143	1.306	13	1.452	
3/24/2015 13:00	69.9	70.0	-0.1		0.020	0.143	0.020	<b>Σ d </b>	11.571	
3/25/2015 13:00	69.8	70.0	-0.3		0.082	0.286	0.082	<b>Σd</b>	-4.143	
3/26/2015 13:00	70.3	70.0	0.4		0.184	0.429	0.184	<b>Σd<sup>2</sup></b>	14.918	
3/27/2015 13:00	69.3	70.0	-1.0		1.000	1.000	1.000	<b>Σ d <sup>2</sup></b>	14.918	
3/28/2015 13:00	69.1	70.0	-1.3		1.653	1.286	1.653	<b>"AB" (Eqn 4)</b>	0.827	
3/29/2015 13:00	69.0	70.0	-1.4		2.041	1.429	2.041	<b>"AS" (Eqn 5)</b>	0.642	
3/30/2015 13:00	68.9	70.0	-1.6		2.469	1.571	2.469	<b>Bias (%) (Eqn 3)</b>	1.13	
3/31/2015 13:00	71.6	70.0	2.3		5.224	2.286	5.224	<b>Signed Bias (%)</b>	+/-1.13	
								<b>CV (%) (Eqn 2)</b>	1.39	
								<b>Upper Probability Limit</b>	1.72	
								<b>Lower Probability Limit</b>	-2.31	



Meteorological Summary

