

January 13, 2017



6312 NW 18th Drive
Suite 100
Gainesville, FL 32653

352.378.0332 PHONE
352.378.0354 FAX

www.TRCSolutions.com

January 13, 2017

Ms. Lori Simmons
Arkansas Department of Health
4815 West Markham Street
Little Rock, Arkansas 72205
Via email 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 (H₂S) and meteorological monitoring program, at the GP Crossett mill, covering the calendar period of December 14th through December 27^h.

Summary of Results

Included in this report are three plots presenting H₂S 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 were no occurrences of data loss during this monitoring 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 H₂S 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. There were two occurrences of met data loss during this monitoring period. On the morning of December 14th there was a power outage at the meteorological monitoring station, resulting in approximately 28.5 hours of data loss. Power was restored on the afternoon of December 15th.

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



January 13, 2017

Sincerely,

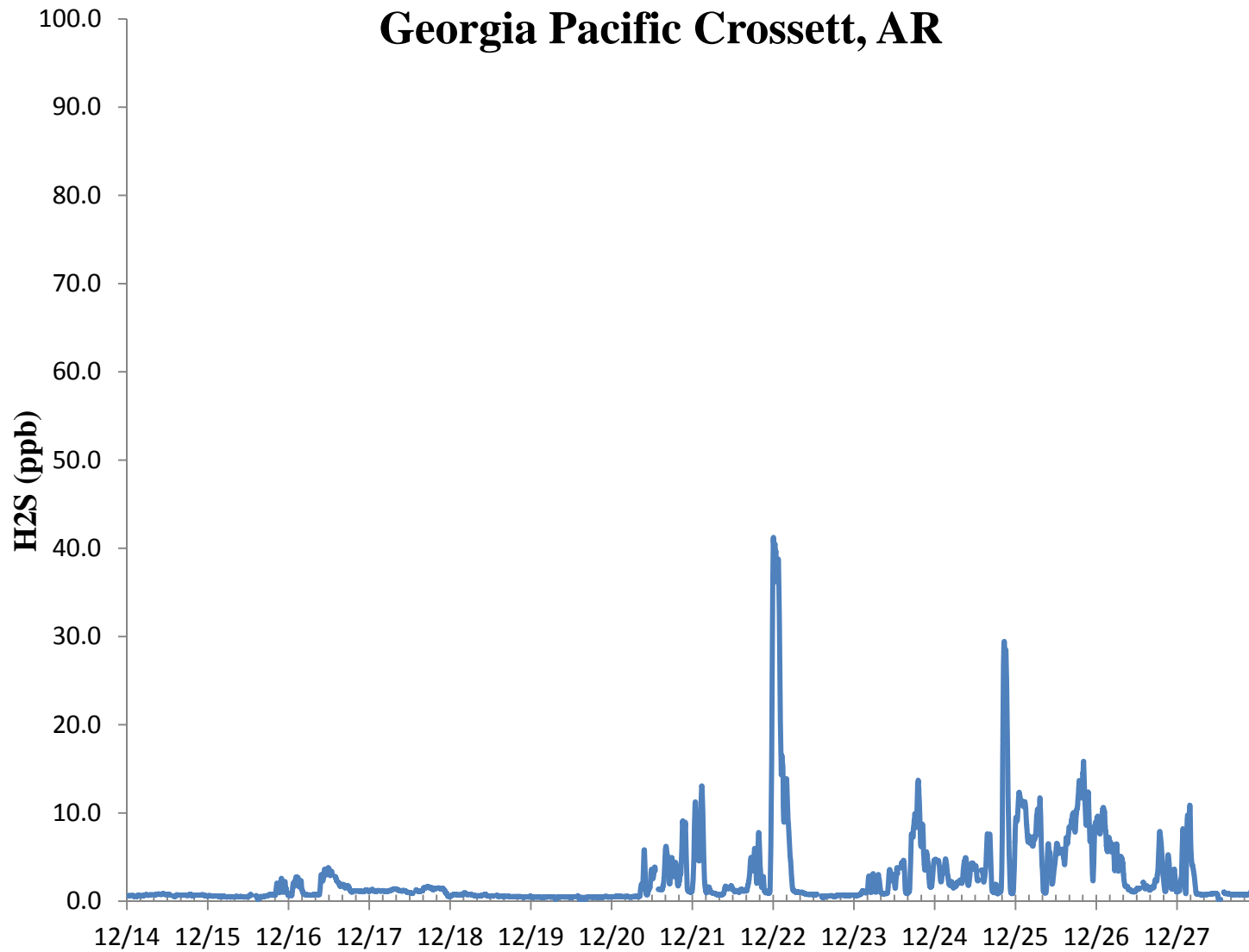


Jonathan Bowser
Manager, Air Quality and Meteorological Monitoring

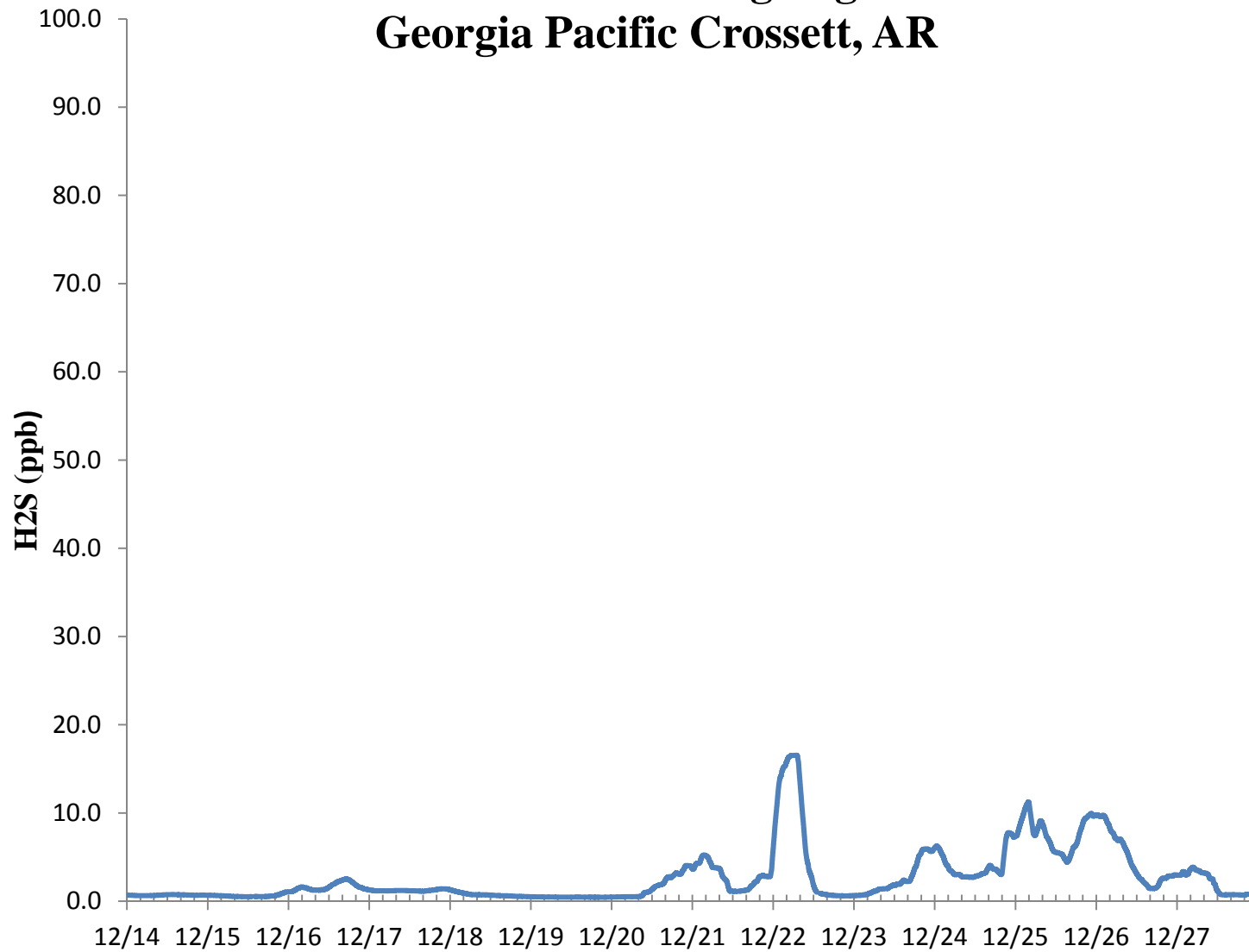
Air Measurements – Gainesville Office
6312 NW 18th Drive, Suite 100
Gainesville, Florida 32653
(352) 260-1162
Email: jbowser@trcsolutions.com

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

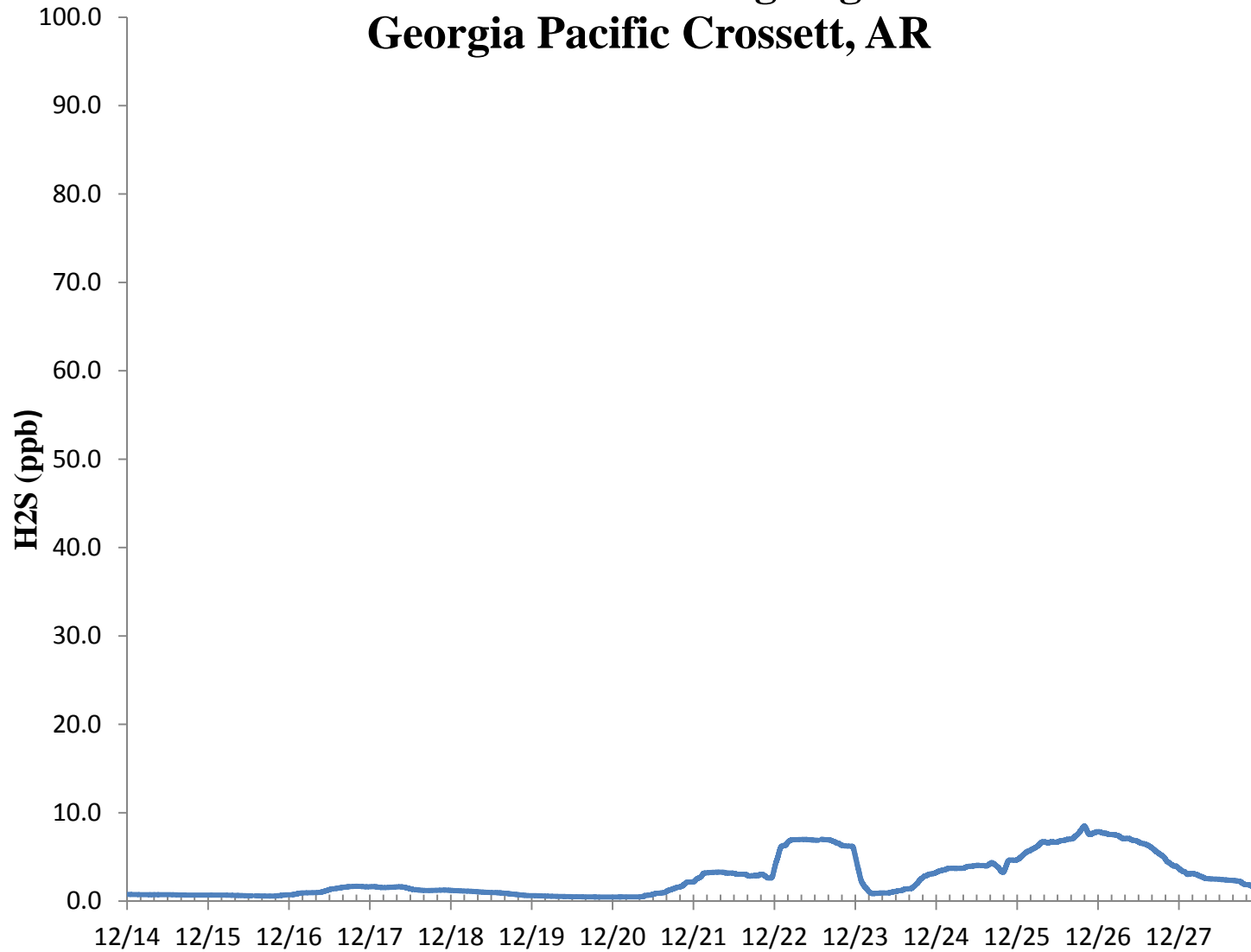
H2S 30 Min Rolling Avg Georgia Pacific Crossett, AR



H2S 8 Hr Rolling Avg Georgia Pacific Crossett, AR



H2S 24 Hr Rolling Avg Georgia Pacific Crossett, AR



H₂S Assessment

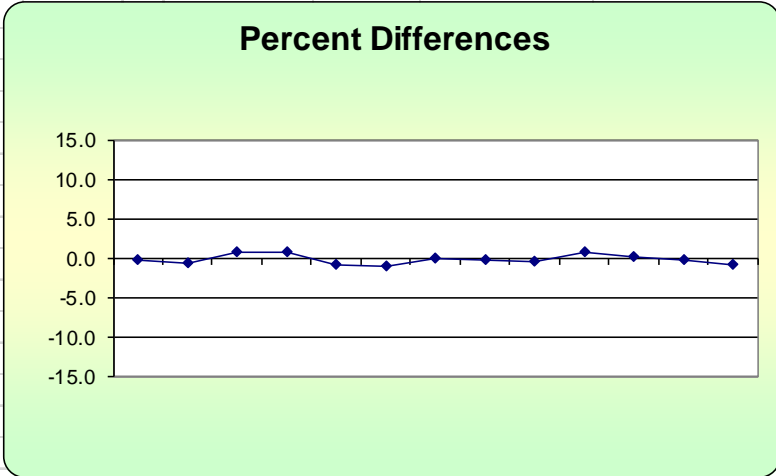
GP - Crossett, AR			Compound of Interest: H ₂ S				CV _{ub} (%)	Bias (%)
Date	Meas Val (Y)	Audit Val (X)	d (Eqn. 1)	25th Percentile	d ²	d	d ²	
12/14/2016 13:00	69.9	70.0	-0.1	-0.679	0.020	0.143	0.020	
12/15/2016 13:00	69.6	70.0	-0.6	75th Percentile	0.327	0.571	0.327	
12/16/2016 13:00	70.6	70.0	0.9	0.107	0.735	0.857	0.735	
12/17/2016 13:00	70.5	70.0	0.7		0.510	0.714	0.510	
12/18/2016 13:00	69.4	70.0	-0.9		0.735	0.857	0.735	
12/19/2016 13:00	69.3	70.0	-1.0		1.000	1.000	1.000	
12/20/2016 13:00	70.0	70.0	0.0		0.000	0.000	0.000	
12/21/2016 13:00	69.8	70.0	-0.3		0.082	0.286	0.082	
12/22/2016 13:00	69.7	70.0	-0.4		0.184	0.429	0.184	
12/23/2016 13:00	70.6	70.0	0.9		0.735	0.857	0.735	
12/24/2016 13:00	70.1	70.0	0.1		0.020	0.143	0.020	
12/25/2016 13:00	69.9	70.0	-0.1		0.020	0.143	0.020	
12/26/2016 13:00	69.5	70.0	-0.7		0.510	0.714	0.510	
12/27/2016 13:00	69.1	70.0	-1.3		1.653	1.286	1.653	

n	S_d	S_{d2}	Σ d 	"AB" (Eqn 4)
14	0.676	0.478	8.000	0.571
n-1	Σd	Σd²	Σ d ²	"AS" (Eqn 5)
13	-2.857	6.531	6.531	0.388

Bias (%) (Eqn 3)	Both Signs Positive
0.76	FALSE
Signed Bias (%)	Both Signs Negative
+/-0.76	FALSE

CV (%) (Eqn 2)	0.92
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Upper Probability Limit	Lower Probability Limit
1.12	-1.53



Meteorological Summary

