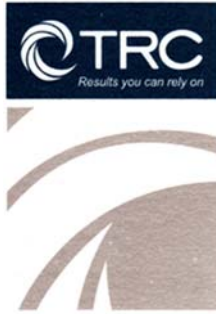


October 27, 2016



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October 27, 2016

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 September 7th through September 20th.

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 two brief occurrences of data loss, in addition to those resulting from automated daily 1-point QC and weekly calibration checks. Server communication errors were responsible for minor losses on H₂S data overnight on September 12th (approximately 2.5 hours) and again in the morning of the 20th (approximately 30 minutes). 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. 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,



October 27, 2016

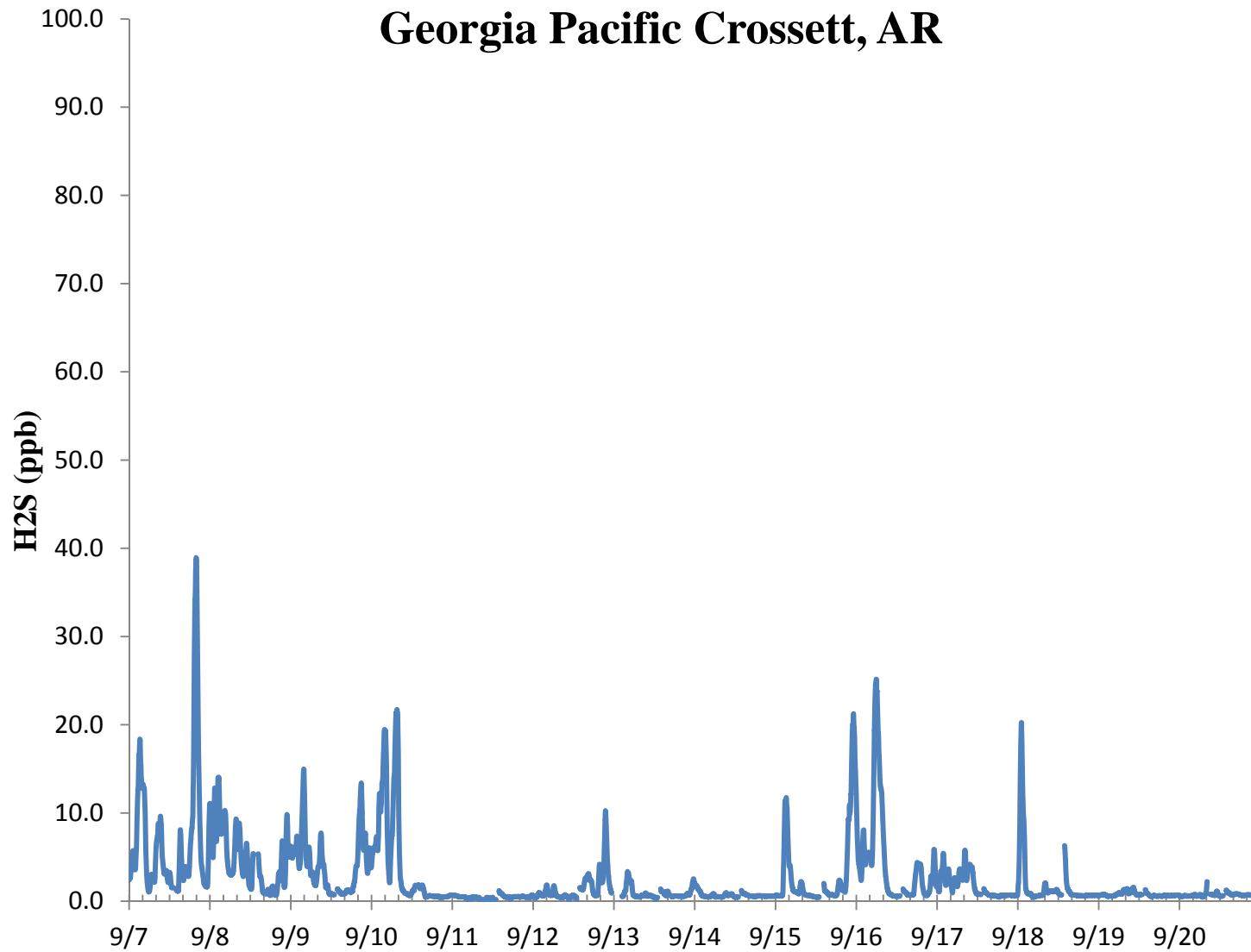


Jonathan Bowser
Manager, Air Quality and Meteorological Monitoring

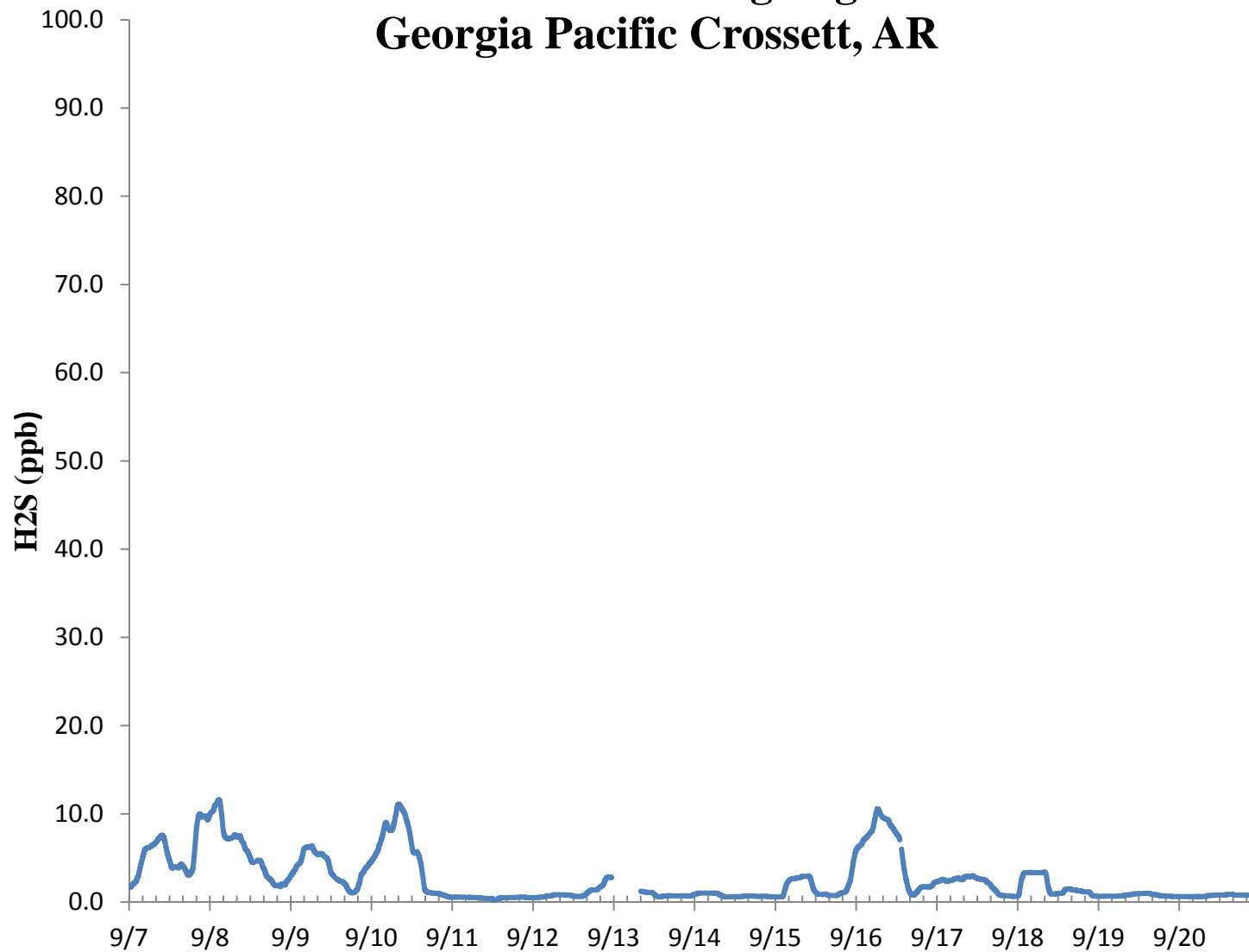
Air Measurements – Gainesville Office
6312 NW 18th Drive, Suite 100
Gainesville, Florida 32653
(352) 260-1162
Email: jbowser@trcsolutions.com

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

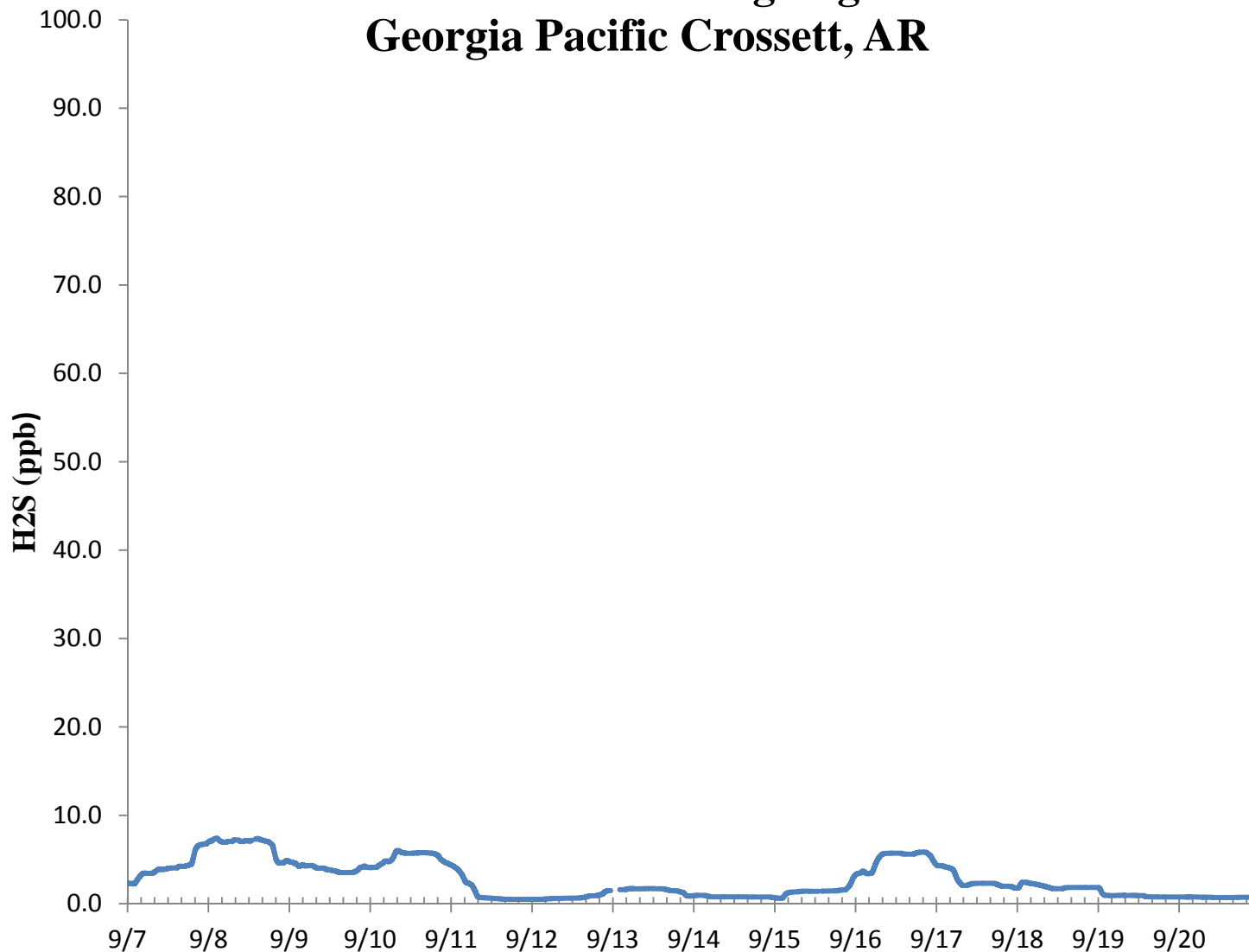
H2S 30 Min Rolling Avg Georgia Pacific Crossett, AR



H2S 8 Hr Rolling Avg Georgia Pacific Crossett, AR



H2S 24 Hr Rolling Avg Georgia Pacific Crossett, AR



H₂S Assessment

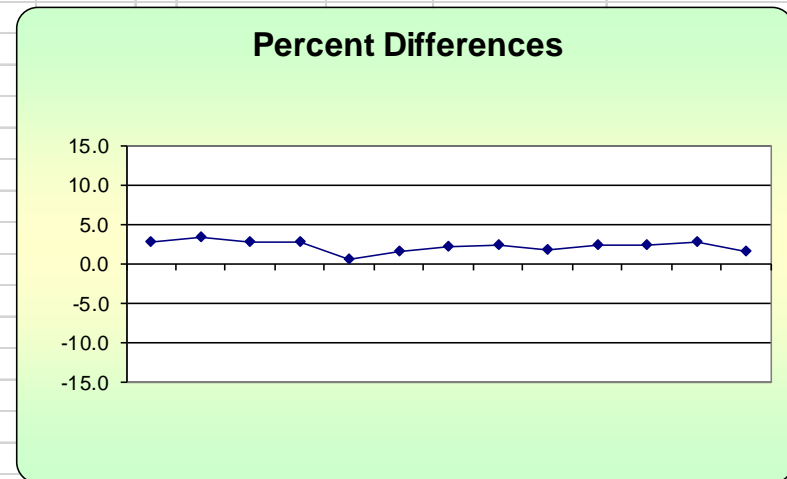
GP - Crossett, AR			Compound of Interest: H ₂ S					CV _{ub} (%)	Bias (%)
Date	Meas Val (Y)	Audit Val (X)	d (Eqn. 1)	25th Percentile	d ²	d	d ²		
9/7/2016 13:00	72.0	70.0	2.9	1.643	8.163	2.857	8.163		
9/8/2016 13:00	72.3	70.0	3.3	75th Percentile	10.796	3.286	10.796		
9/9/2016 13:00	72.0	70.0	2.9	2.857	8.163	2.857	8.163		
9/10/2016 13:00	72.0	70.0	2.9		8.163	2.857	8.163		
9/11/2016 13:00	70.4	70.0	0.6		0.327	0.571	0.327		
9/12/2016 13:00	71.1	70.0	1.6		2.469	1.571	2.469		
9/13/2016 13:00	71.5	70.0	2.1		4.592	2.143	4.592		
9/14/2016 13:00	71.7	70.0	2.4		5.898	2.429	5.898		
9/15/2016 13:00	71.3	70.0	1.9		3.449	1.857	3.449		
9/16/2016 13:00	71.6	70.0	2.3		5.224	2.286	5.224		
9/17/2016 13:00	71.7	70.0	2.4		5.898	2.429	5.898		
9/18/2016 13:00	72.0	70.0	2.9		8.163	2.857	8.163		
9/19/2016 13:00	71.1	70.0	1.6		2.469	1.571	2.469		
9/20/2016 13:00	70.7	70.0	1.0		1.000	1.000	1.000		

n	S_d	S_{d2}	Σ d 	"AB" (Eqn 4)
14	0.785	3.124	30.571	2.184
n-1	Σd	Σd²	Σ d ²	"AS" (Eqn 5)
13	30.571	74.776	74.776	0.785

Bias (%) (Eqn 3)	Both Signs Positive
2.56	TRUE
Signed Bias (%)	Both Signs Negative
+2.56	FALSE

CV (%) (Eqn 2)	
1.07	

Upper Probability Limit	Lower Probability Limit
3.72	0.64



Meteorological Summary

