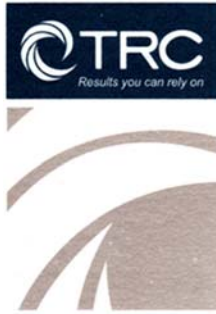


April 27, 2016



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April 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 March 23rd through April 4th.

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). Please note, observed H₂S concentrations were elevated on April 4th. The highest recorded 30-min and 8-hour rolling average concentrations on the 4th was 89.4 ppb and 62.0 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.

There were two occurrences 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 evening of the 25th, the internal logger on the analyzer malfunctioned. The logger malfunction resulted in an extended period of data loss (approximately 21 hours); the analyzer was reset on March 26th. Due to the logger malfunction, an automated calibration check was not recorded on the 26th. During the morning of March 30th, scrubber maintenance was performed followed by a calibration, resulting in approximately four hours of data loss. Results for all available automated daily 1-point QC checks fall within the acceptable range, indicating the H₂S monitor was operating in accordance with the QAPP.



April 27, 2016

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,

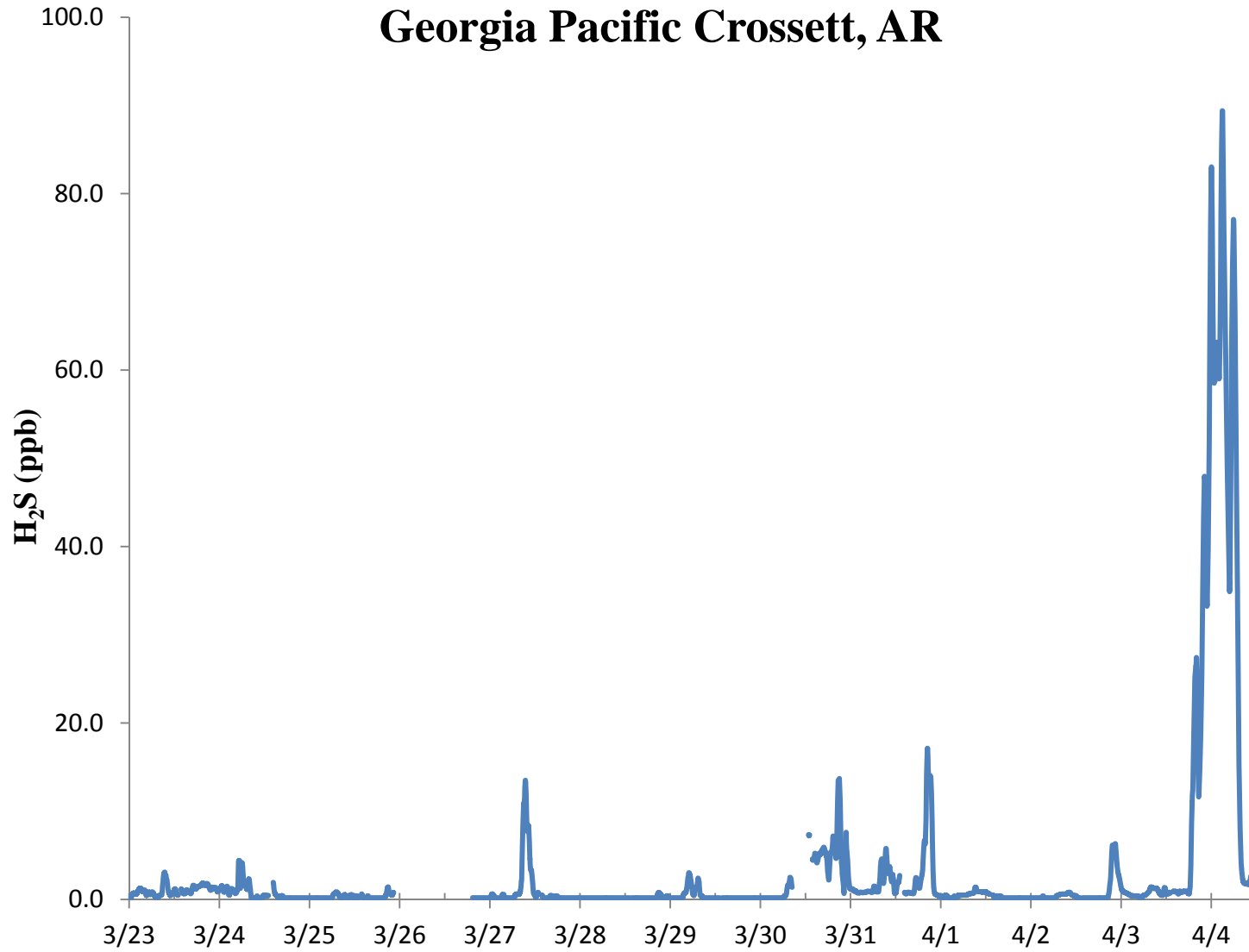


Jonathan Bowser
Manager, Air Quality and Meteorological Monitoring

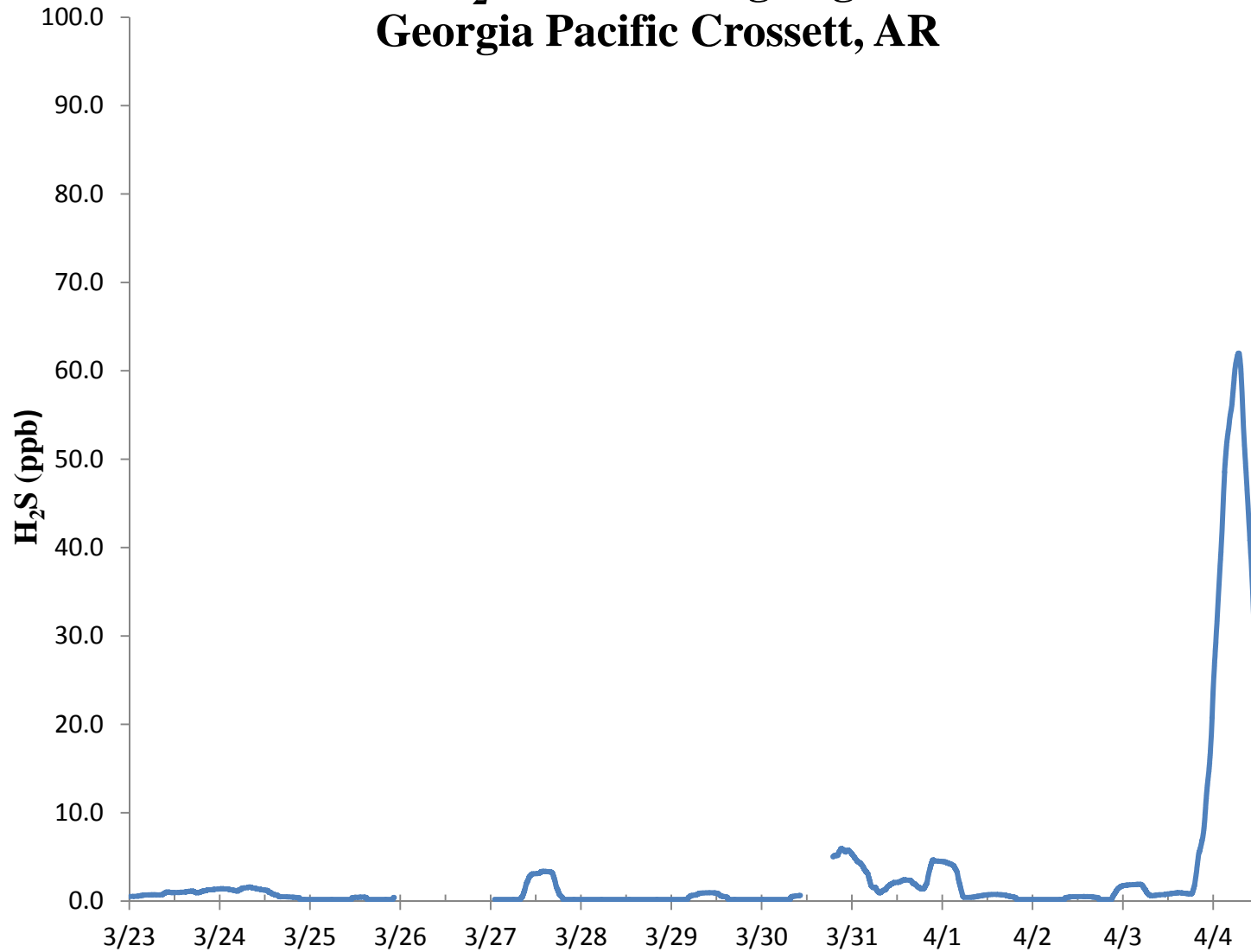
Air Measurements – Gainesville Office
6312 NW 18th Drive, Suite 100
Gainesville, Florida 32653
(352) 260-1162
Email: jbowser@trcsolutions.com

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

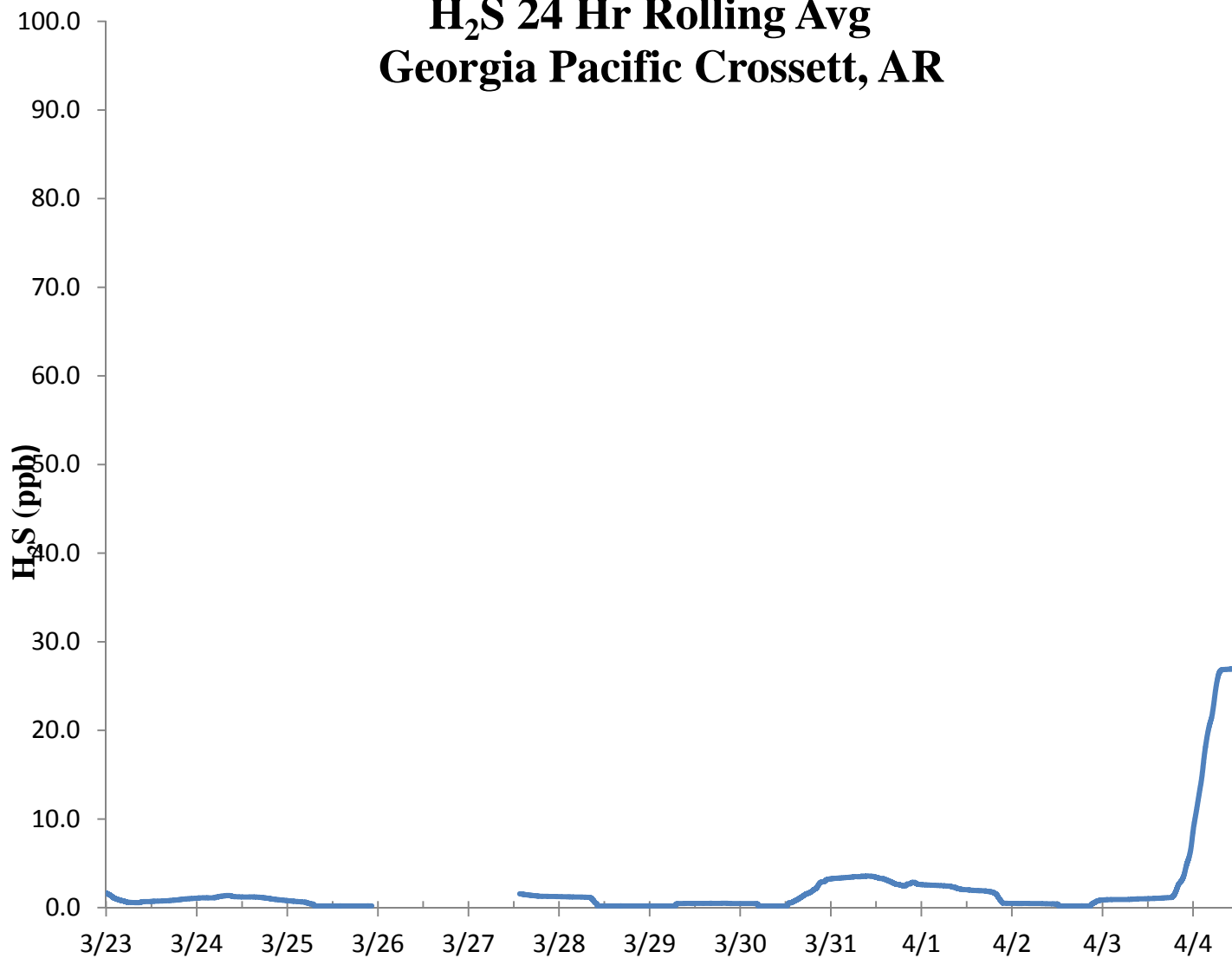
H₂S 30 Min Rolling Avg Georgia Pacific Crossett, AR



H₂S 8 Hr Rolling Avg Georgia Pacific Crossett, AR



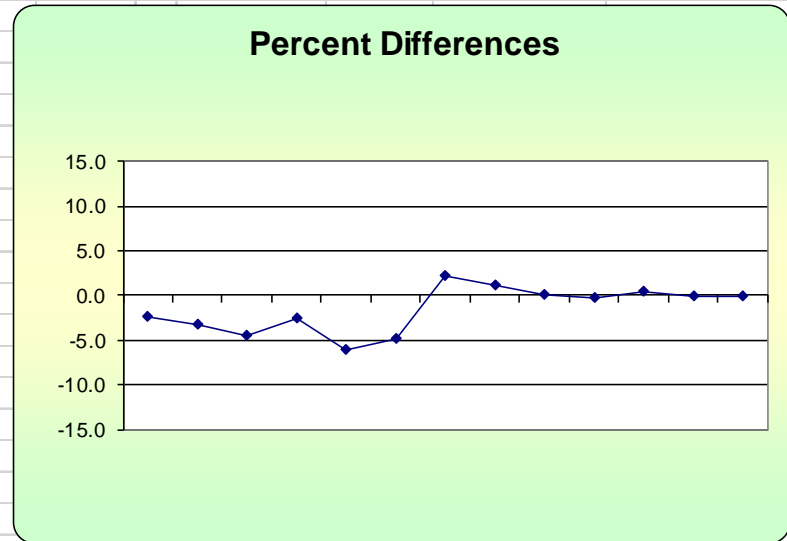
H₂S 24 Hr Rolling Avg Georgia Pacific Crossett, AR



H₂S Assessment

GP - Crossett, AR			Constituent type: H ₂ S					CV _{ub} (%)	Bias (%)
Date	Meas Val (Y)	Audit Val (X)	d (Eqn. 1)	25th Percentile	d ²	d	d ²		
3/23/2016 13:00	68.4	70.0	-2.3	-3.286	5.224	2.286	5.224		
3/24/2016 13:00	67.7	70.0	-3.3	75th Percentile	10.796	3.286	10.796		
3/25/2016 13:00	66.9	70.0	-4.4	0.000	19.612	4.429	19.612	n	S_d
3/27/2016 13:00	68.2	70.0	-2.6		6.612	2.571	6.612	13	2.523
3/28/2016 13:00	65.8	70.0	-6.0		36.000	6.000	36.000	12	-20.286
3/29/2016 13:00	66.6	70.0	-4.9		23.592	4.857	23.592		S_{d2}
3/30/2016 13:00	71.5	70.0	2.1		4.592	2.143	4.592		11.364
3/31/2016 13:00	70.8	70.0	1.1		1.306	1.143	1.306		Σ d
4/1/2016 13:00	70.0	70.0	0.0		0.000	0.000	0.000		27.714
4/2/2016 13:00	69.8	70.0	-0.3		0.082	0.286	0.082		"AB" (Eqn 4)
4/3/2016 13:00	70.3	70.0	0.4		0.184	0.429	0.184		2.132
4/4/2016 13:00	69.9	70.0	-0.1		0.020	0.143	0.020		2.020
4/5/2016 13:00	69.9	70.0	-0.1		0.020	0.143	0.020		

Bias (%) (Eqn 3)	3.13	Both Signs Positive
Signed Bias (%)	-3.13	Both Signs Negative
CV (%) (Eqn 2)	3.48	TRUE
Upper Probability Limit	3.38	Lower Probability Limit
		-6.51



Meteorological Summary

