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March 2, 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 January 25, 2017 through February 7, 2017.

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 January 28th, 30th, and February 7th. The highest recorded 30-minute and 8-hour rolling averages are presented in the table below.

	Maximum Concentrations and Time Recorded							
Date	30 minute	8 hour						
January 28, 2017	88.3 ppb at 08:00	26.9 ppb at 11:45 – 12:12						
January 30, 2017	171.3 ppb at 06:23	93.8 ppb at 08:36 – 08:38						
February 7, 2017	110.3 ppb at 21:25	40.1 ppb at 23:59						

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 \pm 10%, respectively. Precision and bias are calculated in accordance with 40 CFR Part 58 Appendix A, Section 4.1.

Additionally, weekly automated zero adjustment shave been put in place beginning February 1, 2017, so as to limit the effect of the analyzer's zero drift. There were a total of 4 zero checks performed during this biweekly report period, on account of updates made to the logging program. All zero



checks were with the acceptable range of \pm 1.5 ppb, as defined in the QAPP. Results for these zero checks are presented below.

Date	Zero Check
1/26/2017	-0.7
1/31/2017	-0.7
2/1/2017	-0.2
2/2/2017	0.0

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 available 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,

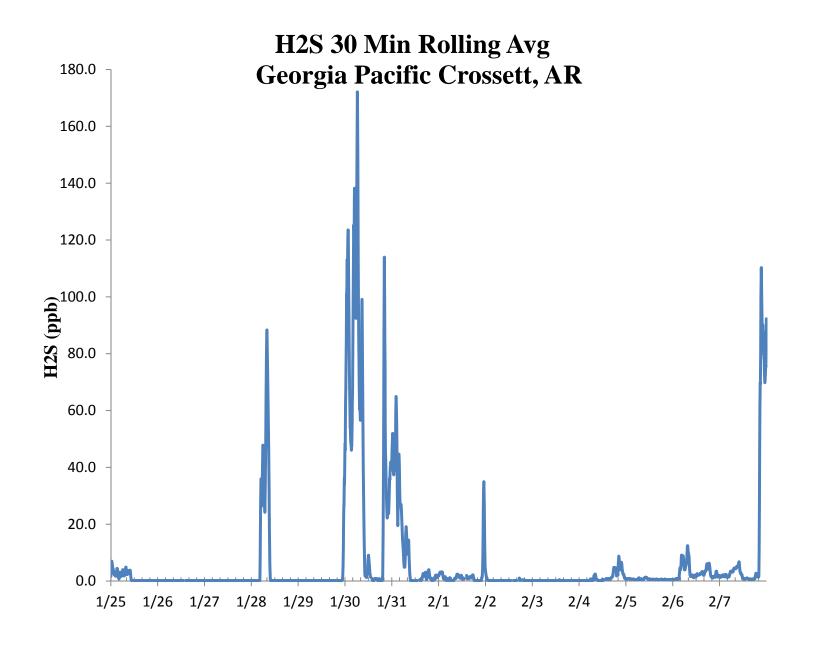
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Jonathan Bowser Manager, Air Quality and Meteorological Monitoring

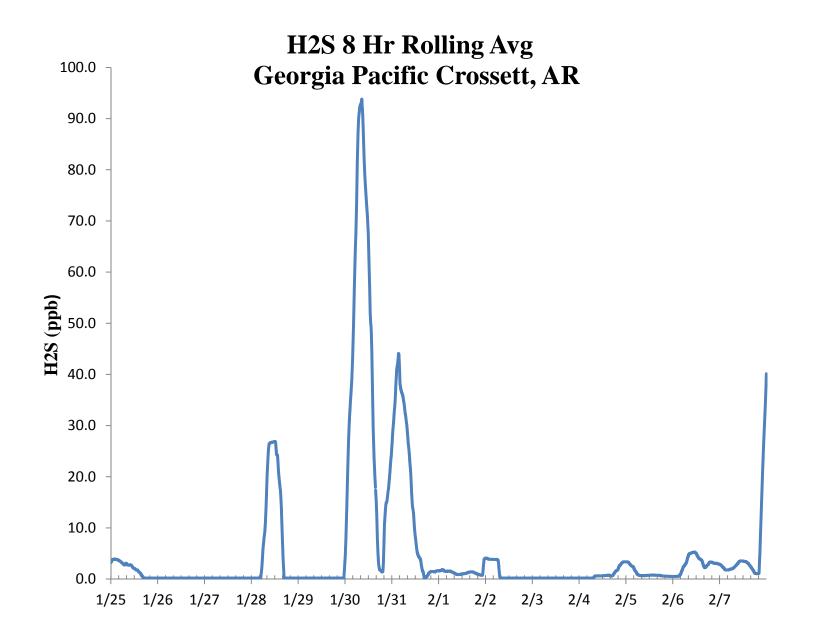
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CC: Becky Keough, ADEQ Director via email: keogh@adeq.state.ar.us Kara Allen, Environmental Engineer, USEPA Region 6 via email Allen.Kara@epa.gov

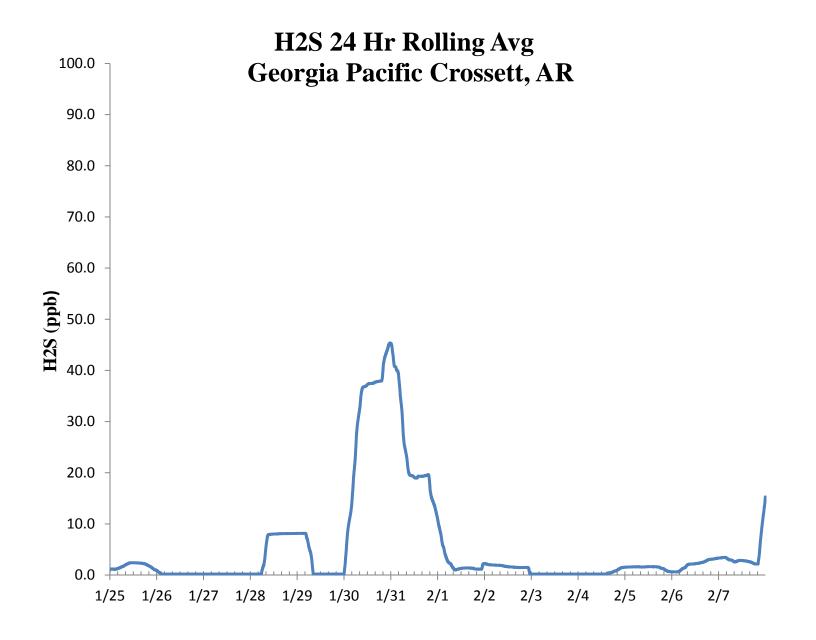














					H ₂ S	Asses	ssment					
GI	P - Crossett, AR	2	Compound of Interest: H ₂ S						CV _{ub} (%)		Bias (%)	
Date	Meas Val (Y)	Audit Val (X)	d (Eqn. 1)	25th Percentile	d ²	d	d ²					
/25/2017 13:00	68.6	70.0	-2.0	-3.214	4.000	2.000	4.000					
/26/2017 13:00	67.5	70.0	-3.6	75th Percentile	12.755	3.571	12.755	n	Sd	S _{d2}	∑ d	"AB" (Eqn 4)
/27/2017 13:00	67.5	70.0	-3.6	-1.571	12.755	3.571	12.755	14	0.944	4.456	32.000	2.2
/28/2017 13:00	67.6	70.0	-3.4		11.755	3.429	11.755	n-1	∑d	∑d²	∑ d ²	"AS" (Eqn 5)
/29/2017 13:00	67.7	70.0	-3.3		10.796	3.286	10.796	13	-32.000	84.735	84.735	0.9
/30/2017 13:00	68.3	70.0	-2.4		5.898	2.429	5.898					
/31/2017 13:00	67.9	70.0	-3.0		9.000	3.000	9.000				Bias (%) (Eqn 3)	Both Signs Positiv
2/1/2017 13:00	69.3	70.0	-1.0		1.000	1.000	1.000				2.73	-
2/2/2017 16:00	68.5	70.0	-2.1		4.592	2.143	4.592		CV (%) (Eqn 2)		Signed Bias (%)	Both Signs Negat
2/3/2017 13:00	68.9	70.0	-1.6		2.469	1.571	2.469		1.28		-2.73	TRUE
2/4/2017 13:00	68.5	70.0	-2.1		4.592	2.143	4.592					
2/5/2017 13:00	69.1	70.0	-1.3		1.653	1.286	1.653		Upper Probabilit	ty Limit	Lower Probabilit	ty Limit
2/6/2017 13:00	69.3	70.0	-1.0		1.000	1.000	1.000		-0.43		-4.14	
2/7/2017 13:00	68.9	70.0	-1.6		2.469		2.469					
									Perce	ent Diff	ferences	
							15.0 T					
							10.0 -					
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							-10.0 -					
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