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August 26, 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 (H_2S) and meteorological monitoring program, at the GP Crossett mill, covering the calendar period of June 15th through June 28th. *Please note, this is a revised report, superseding the report originally issued on July 7, 2016. Ambient H_2S concentrations in this report have been revised for zero-drift of the analyzer. Correction for drift ranged from 1.0 to 2.6 ppb. Weekly zero checks drifted upwards beginning in late May. The instrument was operating within EPA guidelines, and this adjustment does not significantly impact results previously reported. TRC feels that this adjustment was necessary to report data as accurately as possible as this is an important monitoring program.*

Summary of Results

Included in this report are three plots presenting H_2S concentrations calculated with varied rolling average periods (30-minute, 8-hour, and 24-hour). Please note, observed H_2S concentrations were elevated on June 26th. The highest recorded 30-min and 8-hour rolling average concentrations on the 26th were 83.6 ppb and 33.3 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 no occurrences of data loss during this two week period, other than those resulting from automated daily 1-point QC and weekly calibration checks. Results for all available automated daily 1-point QC checks fall within the acceptable range, indicating the H_2S 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
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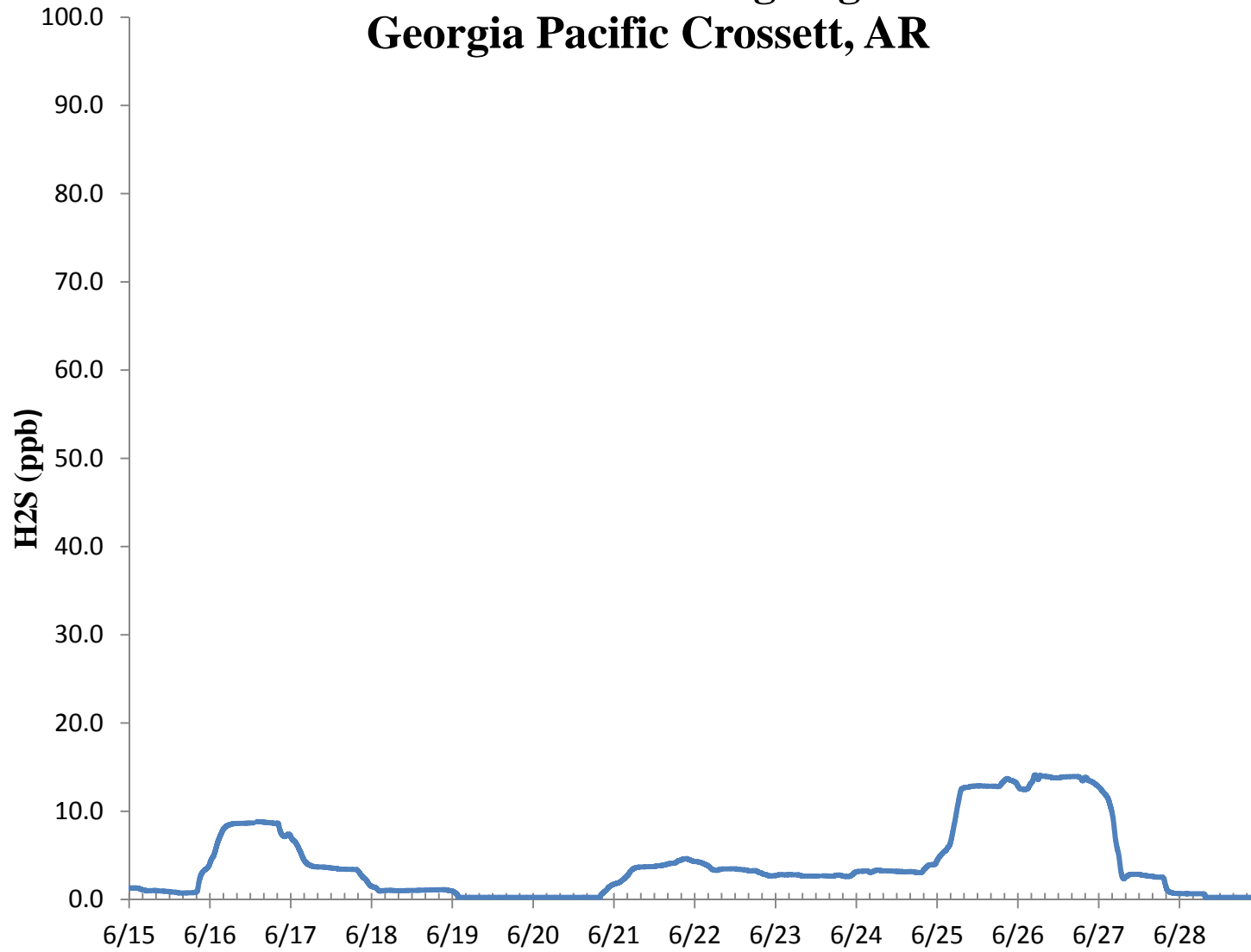
H2S 30 Min Rolling Avg
Georgia Pacific Crossett, AR
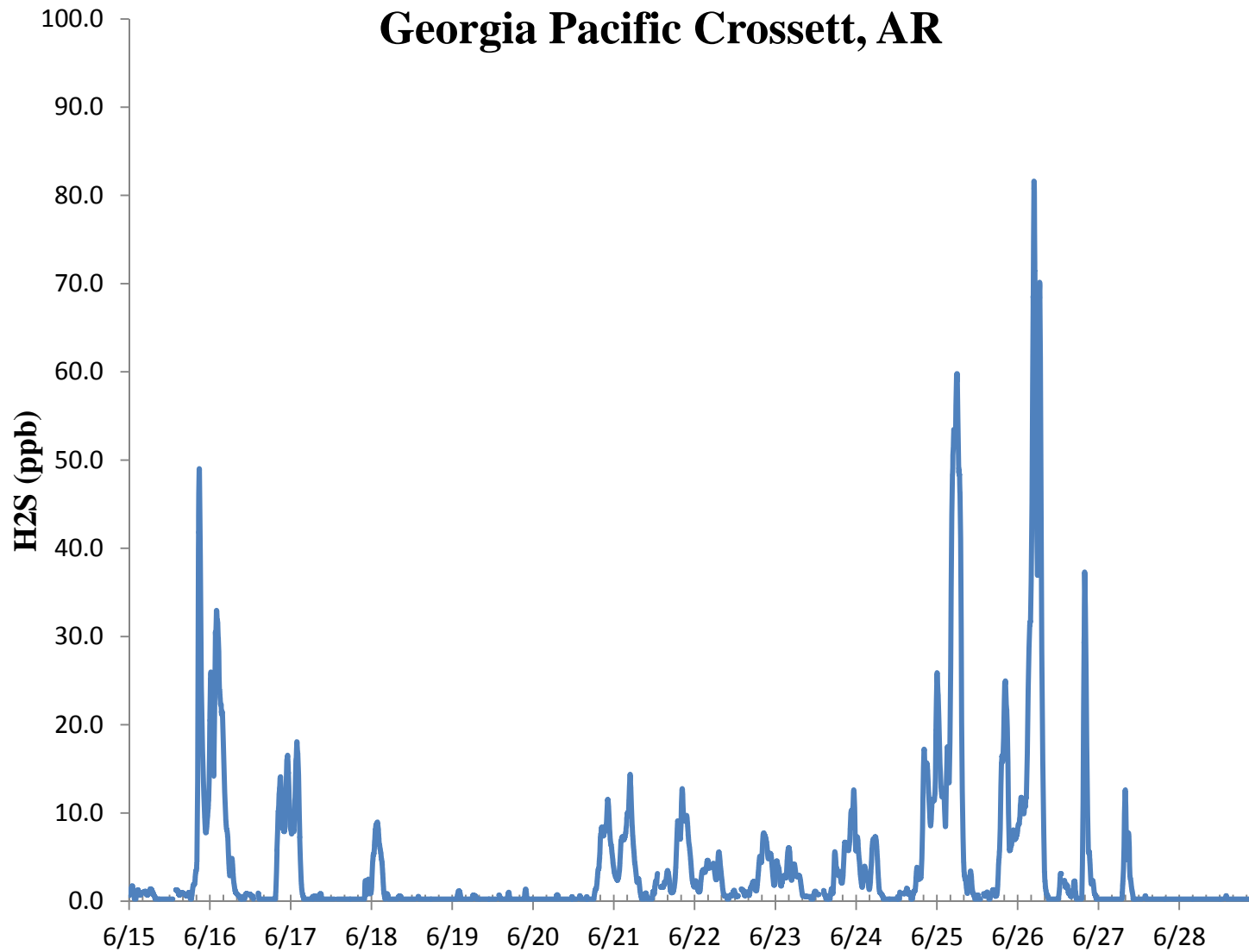
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Georgia Pacific Crossett, AR
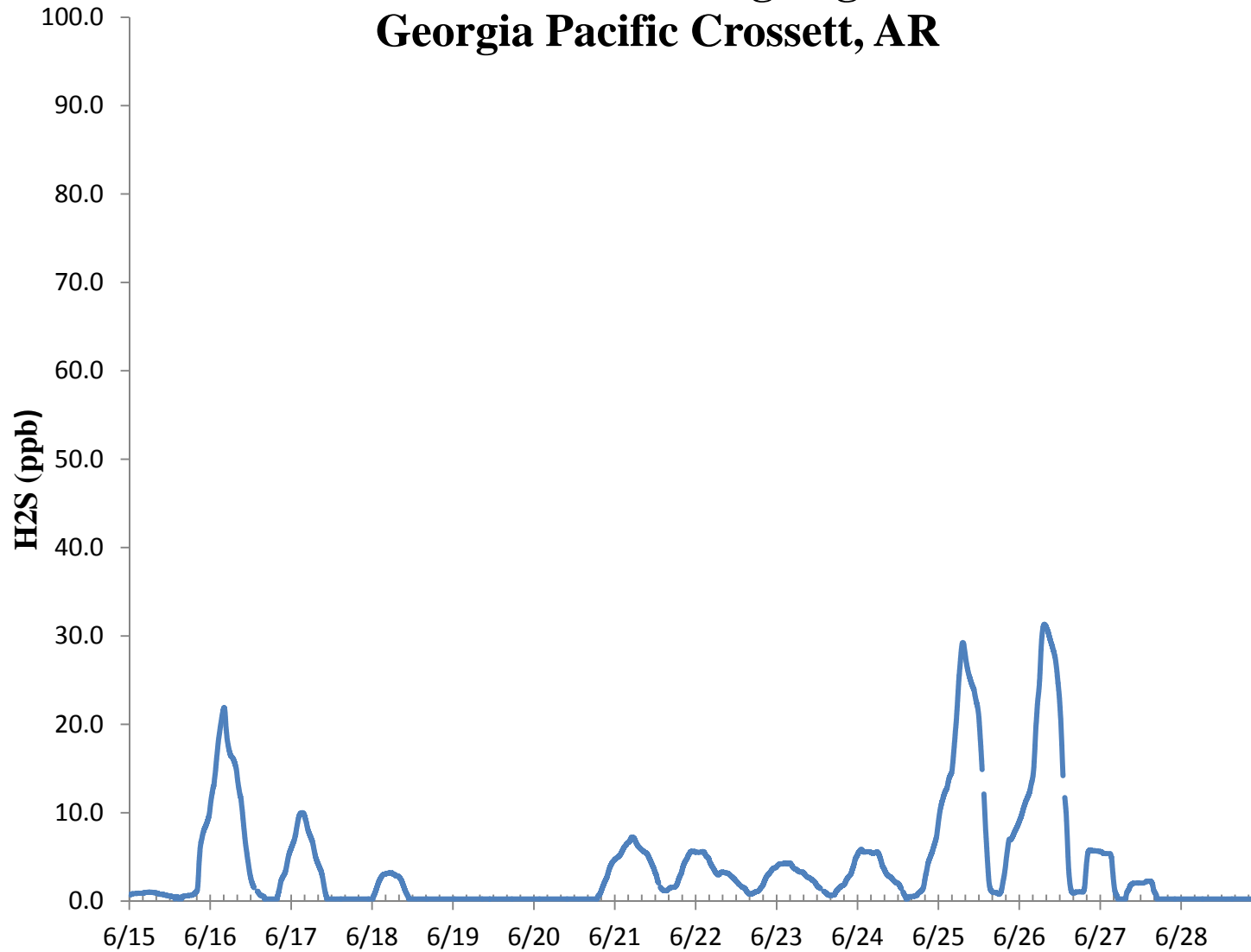
**H2S 24 Hr Rolling Avg
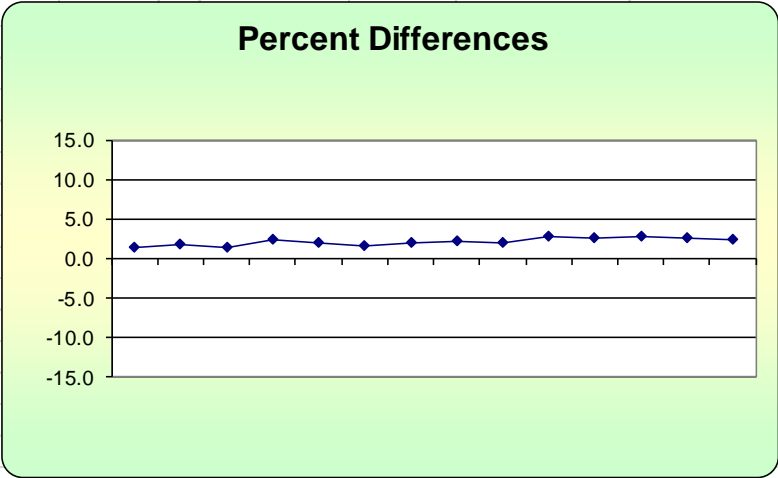Georgia Pacific Crossett, AR**

H₂S Assessment

Date	Meas Val (Y)	Audit Val (X)	d (Eqn. 1)	25th Percentile	d^2	|d|	$\|d\|^2$		CV$_{ub}$ (%)		Bias (%)	
			GP - Crossett, AR	Pollutant type: H₂S								
6/15/2016 13:00	71.0	70.0	1.4	1.786	2.041	1.429	2.041					
6/16/2016 13:00	71.2	70.0	1.7	**75th Percentile**	2.939	1.714	2.939	**n**	**S$_d$**	**S$_{d2}$**	**Σ|d|**	**"AB" (Eqn 4)**
6/17/2016 13:00	70.9	70.0	1.3	2.536	1.653	1.286	1.653	14	0.474	1.943	29.429	2.102
6/18/2016 13:00	71.6	70.0	2.3		5.224	2.286	5.224	**n-1**	**Σd**	**Σd^2**	**Σ|d|^2**	**"AS" (Eqn 5)**
6/19/2016 13:00	71.4	70.0	2.0		4.000	2.000	4.000	13	29.429	64.776	64.776	0.474
6/20/2016 13:00	71.1	70.0	1.6		2.469	1.571	2.469					
6/21/2016 13:00	71.4	70.0	2.0		4.000	2.000	4.000				**Bias (%) (Eqn 3)**	Both Signs Positive
6/22/2016 13:00	71.5	70.0	2.1		4.592	2.143	4.592				2.33	TRUE
6/23/2016 13:00	71.4	70.0	2.0		4.000	2.000	4.000		**CV (%) (Eqn 2)**		**Signed Bias (%)**	Both Signs Negative
6/24/2016 13:00	71.9	70.0	2.7		7.367	2.714	7.367		0.64		+2.33	FALSE
6/25/2016 13:00	71.8	70.0	2.6		6.612	2.571	6.612					
6/26/2016 13:00	71.9	70.0	2.7		7.367	2.714	7.367		**Upper Probability Limit**	**Lower Probability Limit**		
6/27/2016 13:00	71.8	70.0	2.6		6.612	2.571	6.612		3.03	1.17		
6/28/2016 13:00	71.7	70.0	2.4		5.898	2.429	5.898					

Percent Differences

Meteorological Summary