August 26, 2016

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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 July 13th through July 26th.

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).

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 99% data capture for this report period. There was a power outage at the met site on July 26th which is responsible for the brief period of missing met data.

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

 Sincerely,

TRC

Jonathan Bowser
Manager, Air Quality and Meteorological Monitoring

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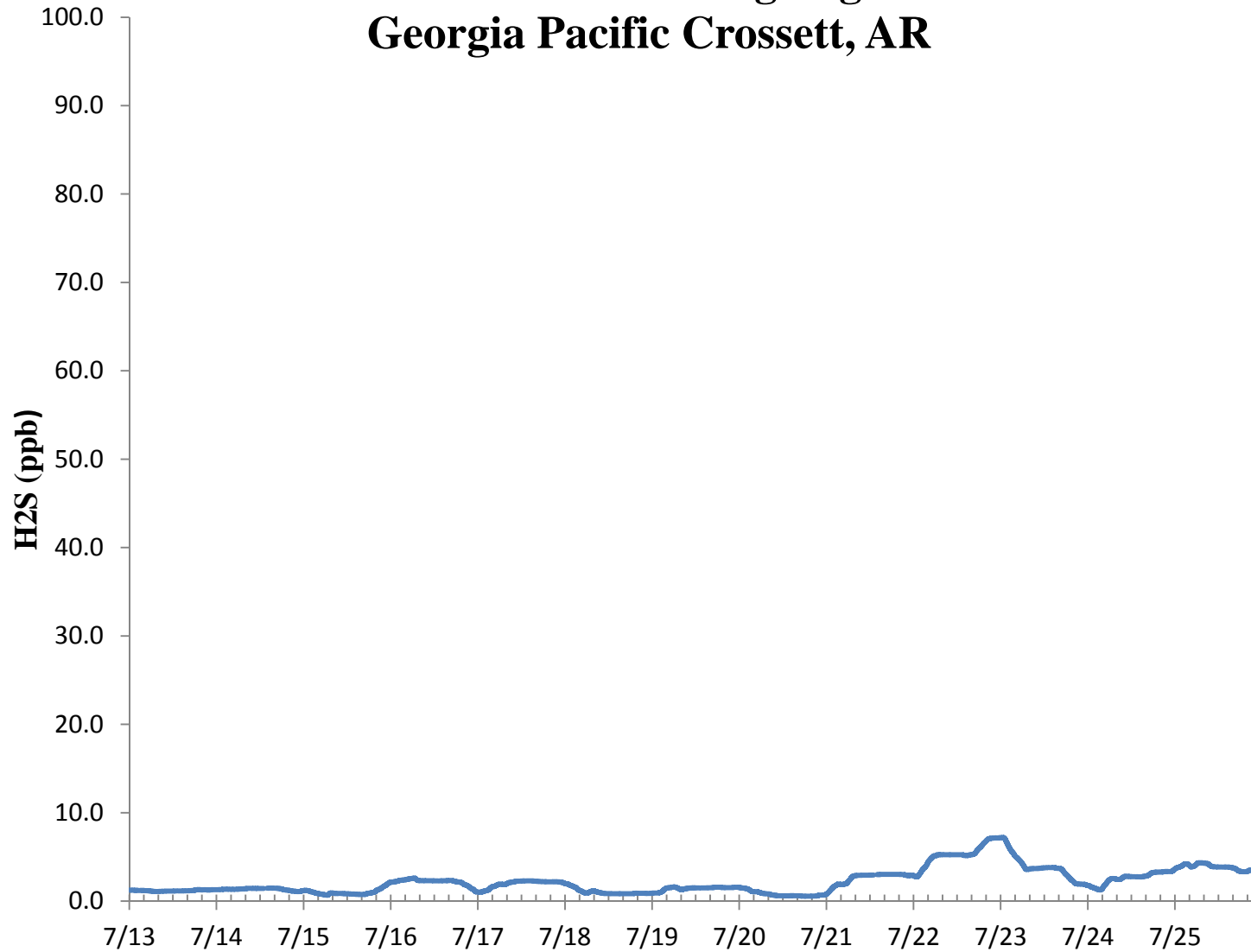   Kara Allen, Environmental Engineer, USEPA Region 6 via email Allen.Kara@epa.gov

H2S 30 Min Rolling Avg
Georgia Pacific Crossett, AR
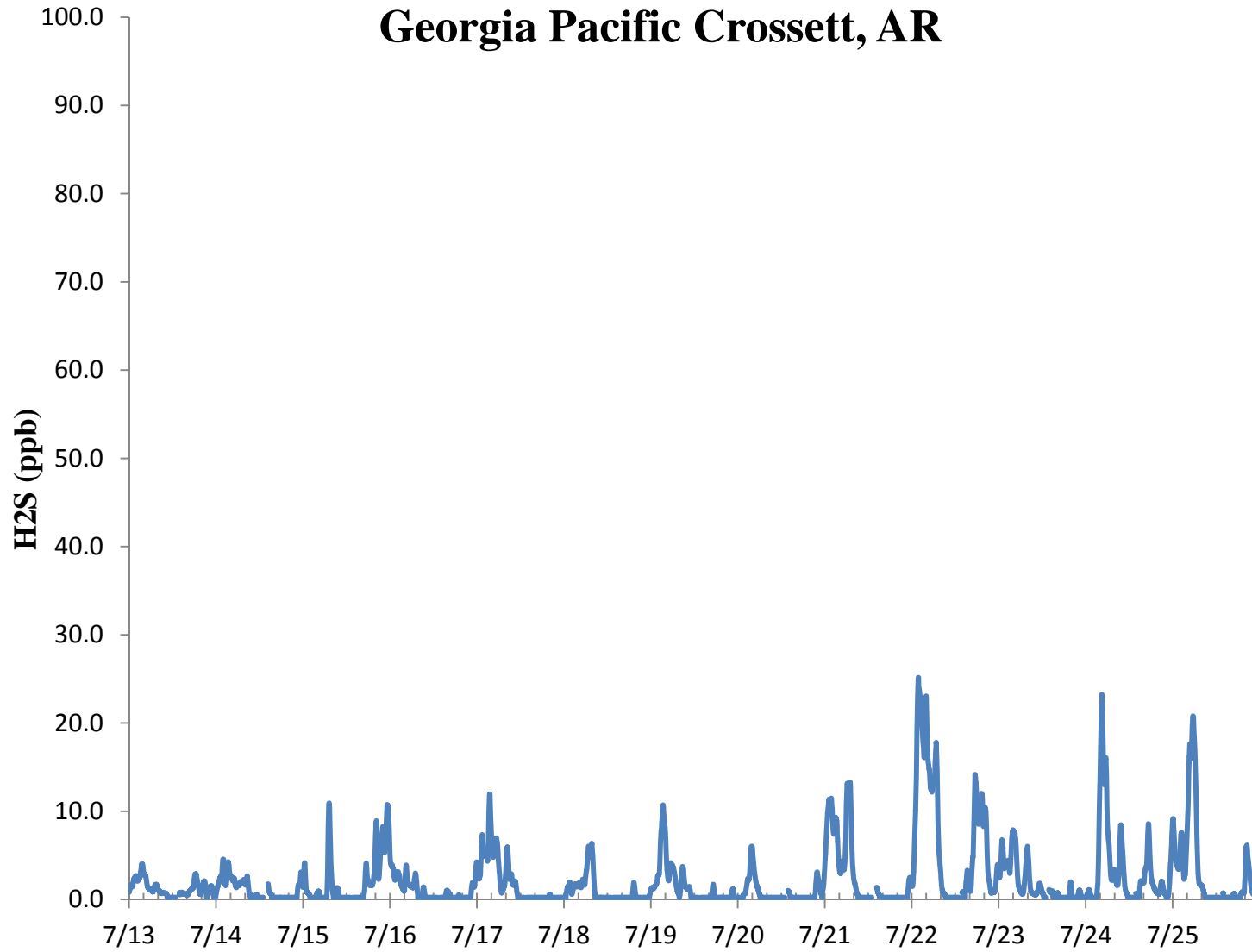
H2S 8 Hr Rolling Avg
Georgia Pacific Crossett, AR
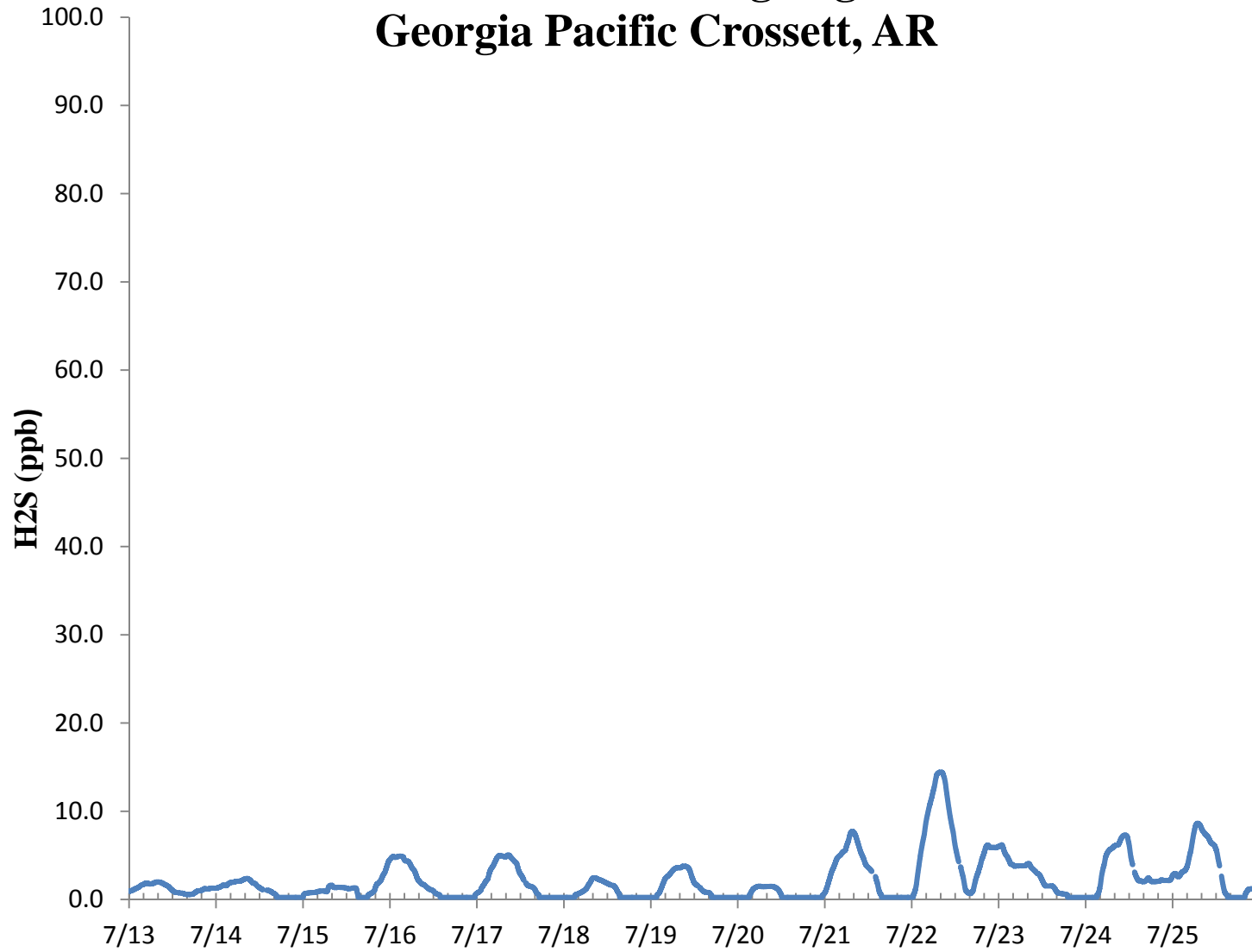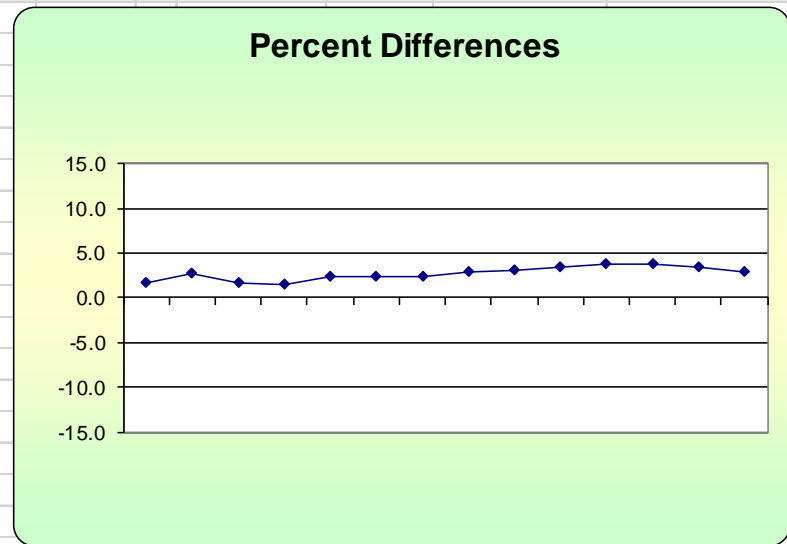
**H2S 24 Hr Rolling Avg
Georgia Pacific Crossett, AR**

H$_2$S Assessment

Date	Meas Val (Y)	Audit Val (X)	d (Eqn. 1)	25th Percentile	d^2	|d|	|d|^2
7/13/2016 13:00	71.2	70.0	1.7	2.286	2.939	1.714	2.939
7/14/2016 13:00	71.9	70.0	2.7	**75th Percentile**	7.367	2.714	7.367
7/15/2016 13:00	71.2	70.0	1.7	3.357	2.939	1.714	2.939
7/16/2016 13:00	71.0	70.0	1.4		2.041	1.429	2.041
7/17/2016 13:00	71.6	70.0	2.3		5.224	2.286	5.224
7/18/2016 13:00	71.6	70.0	2.3		5.224	2.286	5.224
7/19/2016 13:00	71.7	70.0	2.4		5.898	2.429	5.898
7/20/2016 13:00	72.0	70.0	2.9		8.163	2.857	8.163
7/21/2016 13:00	72.2	70.0	3.1		9.878	3.143	9.878
7/22/2016 13:00	72.4	70.0	3.4		11.755	3.429	11.755
7/23/2016 13:00	72.6	70.0	3.7		13.796	3.714	13.796
7/24/2016 13:00	72.7	70.0	3.9		14.878	3.857	14.878
7/25/2016 13:00	72.4	70.0	3.4		11.755	3.429	11.755
7/26/2016 13:00	72.0	70.0	2.9		8.163	2.857	8.163

CV$_{ub}$ (%)   **Bias (%)**

n	S$_d$	S$_{d2}$	∑|d|	"AB" (Eqn 4)
14	0.767	4.108	37.857	2.704
n-1	**∑d**	**∑d^2**	**∑|d|^2**	**"AS" (Eqn 5)**
13	37.857	110.020	110.020	0.767

Bias (%) (Eqn 3)	Both Signs Positive
3.07	TRUE

CV (%) (Eqn 2)	**Signed Bias (%)**	Both Signs Negative
1.04	+3.07	FALSE

Upper Probability Limit	**Lower Probability Limit**
4.21	1.2

Percent Differences

TRC

Meteorological Summary