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November 12, 2014

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 a data summary for the third two week period of operation of the Georgia-Pacific (GP) hydrogen sulfide (H₂S) and meteorological monitoring program at the GP Crossett mill.

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.

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.

There were no periods 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 automated daily 1-point QC checks fall within the acceptable range, indicating the H₂S monitor was operating in accordance with the QAPP. 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



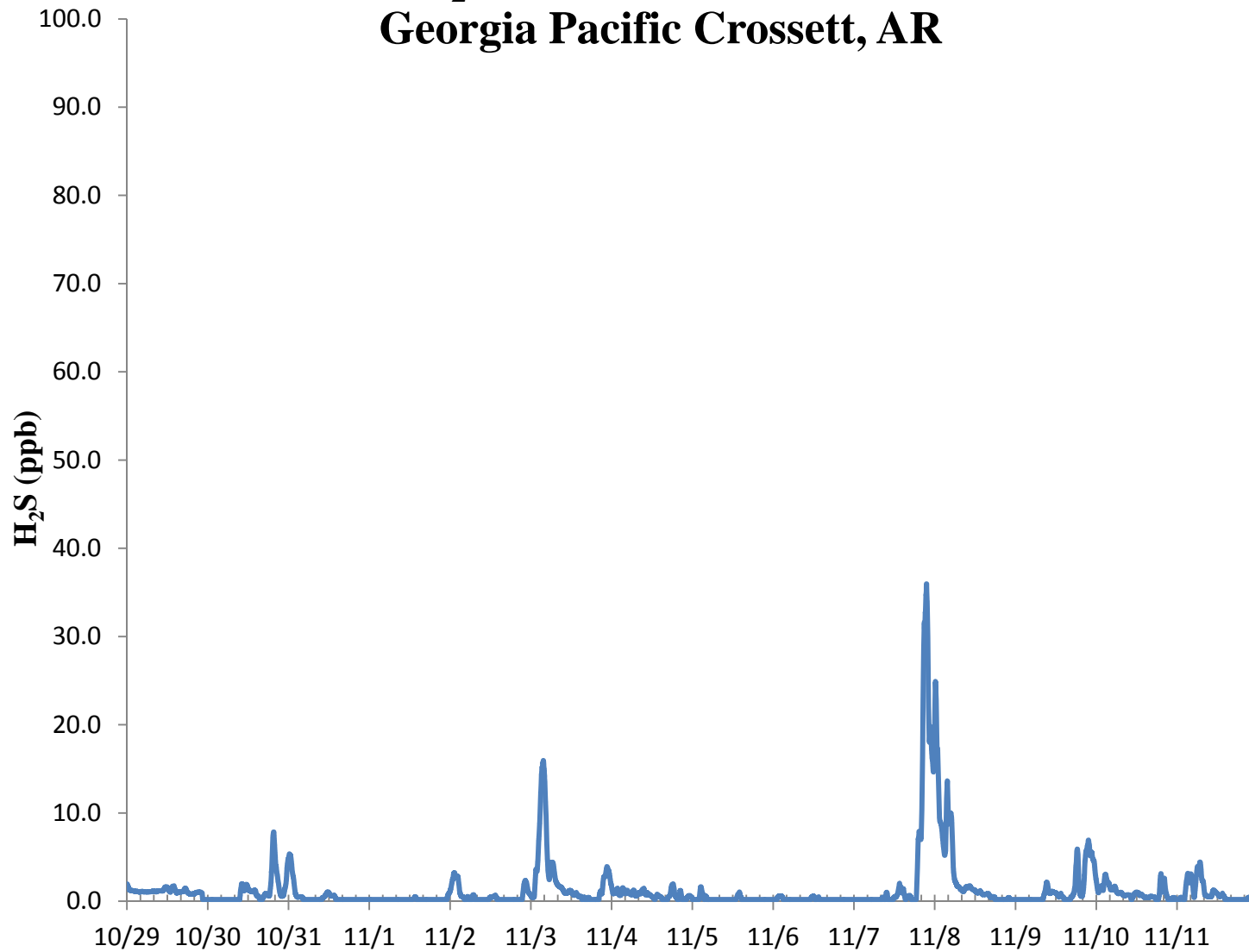
Nov 12, 2014
H₂S Air Monitoring

Air Measurements – Gainesville Office
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Gainesville, Florida 32653
(352) 260-1162
Email: jbowser@trcsolutions.com

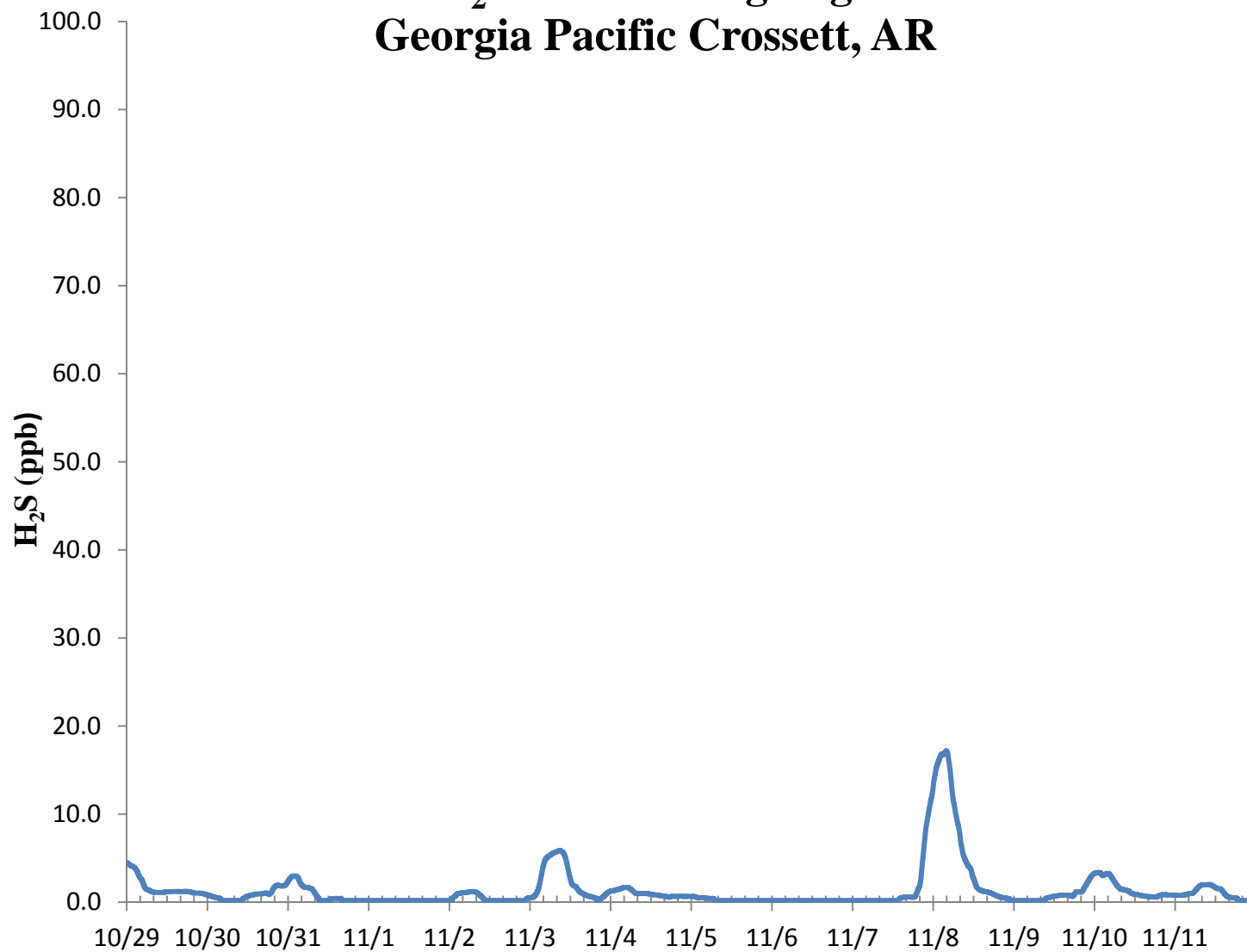
CC: Ryan Benefield, ADEQ Director via email: benefield@adeq.state.ar.us
Kara Allen, Environmental Engineer, USEPA Region 6 via email Allen.Kara@epa.gov



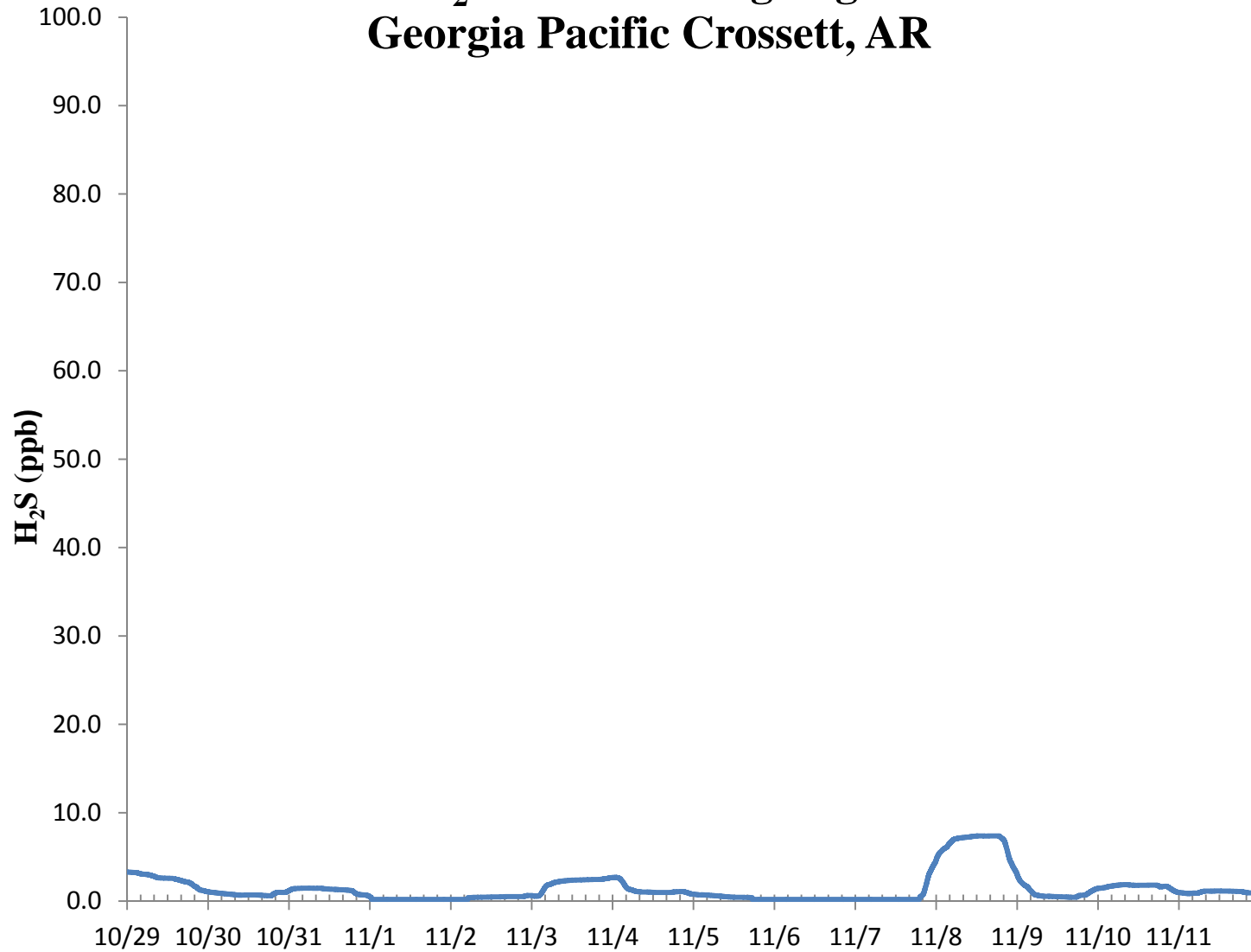
H₂S 30 Min Rolling Avg Georgia Pacific Crossett, AR



H₂S 8 Hr Rolling Avg Georgia Pacific Crossett, AR



H₂S 24 Hr Rolling Avg Georgia Pacific Crossett, AR



H₂S Assessment

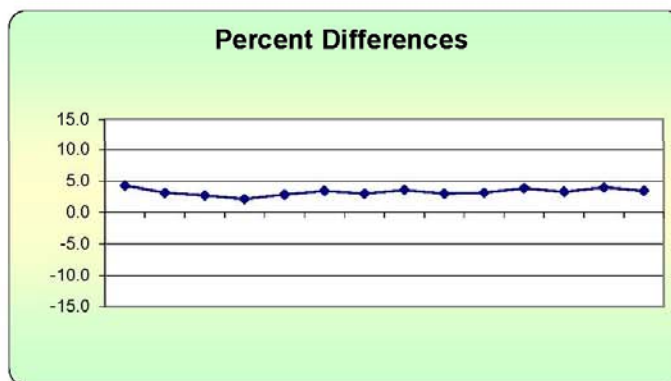
GP - Crossett, AR			Pollutant type: H ₂ S						CV _{ub} (%)	Bias (%)
Date	Meas Val (Y)	Audit Val (X)	d (Eqn. 1)	25th Percentile	d ²	d	d ²			
10/29/2014 13:00	73.0	70.0	4.3	3.000	18.367	4.286	18.367			
10/30/2014 13:00	72.2	70.0	3.1	75th Percentile	9.878	3.143	9.878			
10/31/2014 13:00	71.9	70.0	2.7	3.536	7.367	2.714	7.367			
11/1/2014 13:00	71.5	70.0	2.1		4.592	2.143	4.592			
11/2/2014 13:00	72.0	70.0	2.9		8.163	2.857	8.163			
11/3/2014 13:00	72.4	70.0	3.4		11.755	3.429	11.755			
11/4/2014 13:00	72.1	70.0	3.0		9.000	3.000	9.000			
11/5/2014 13:00	72.5	70.0	3.6		12.755	3.571	12.755			
11/6/2014 13:00	72.1	70.0	3.0		9.000	3.000	9.000			
11/7/2014 13:00	72.2	70.0	3.1		9.878	3.143	9.878			
11/8/2014 13:00	72.7	70.0	3.9		14.878	3.857	14.878			
11/9/2014 13:00	72.3	70.0	3.3		10.796	3.286	10.796			
11/10/2014 13:00	72.8	70.0	4.0		16.000	4.000	16.000			
11/11/2014 13:00	72.4	70.0	3.4		11.755	3.429	11.755			

n	S_d	S_{d2}	Σ d 	"AB" (Eqn 4)
14	0.553	3.631	45.857	3.276
n-1	Σd	Σd²	Σ d ²	"AS" (Eqn 5)
13	45.857	154.184	154.184	0.553

Bias (%) (Eqn 3)	Both Signs Positive
3.54	TRUE
Signed Bias (%)	Both Signs Negative
+3.54	FALSE

CV (%) (Eqn 2)	
0.75	

Upper Probability Limit	Lower Probability Limit
4.36	2.19



Meteorological Summary

