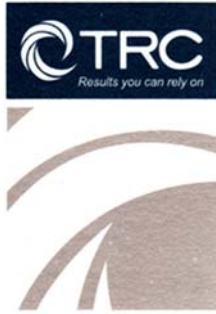


January 26, 2017



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January 26, 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 December 28th, 2016 through January 10th, 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).

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 was a single occurrence of data loss during this monitoring period, in addition to those resulting from automated daily 1-point QC and weekly calibration checks. There was an instrument failure on January 7th that caused a lapse in data logging for approximately 10.5 hours. The instrument was reset that evening, however, the automated calibration check scheduled for the 7th was not performed. 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. There was a single occurrence of met data loss during this monitoring period. On the morning of January 3rd there was a power outage at the meteorological monitoring station, resulting in approximately eight hours of data loss. Power was restored that afternoon.



January 26, 2017

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

Sincerely,

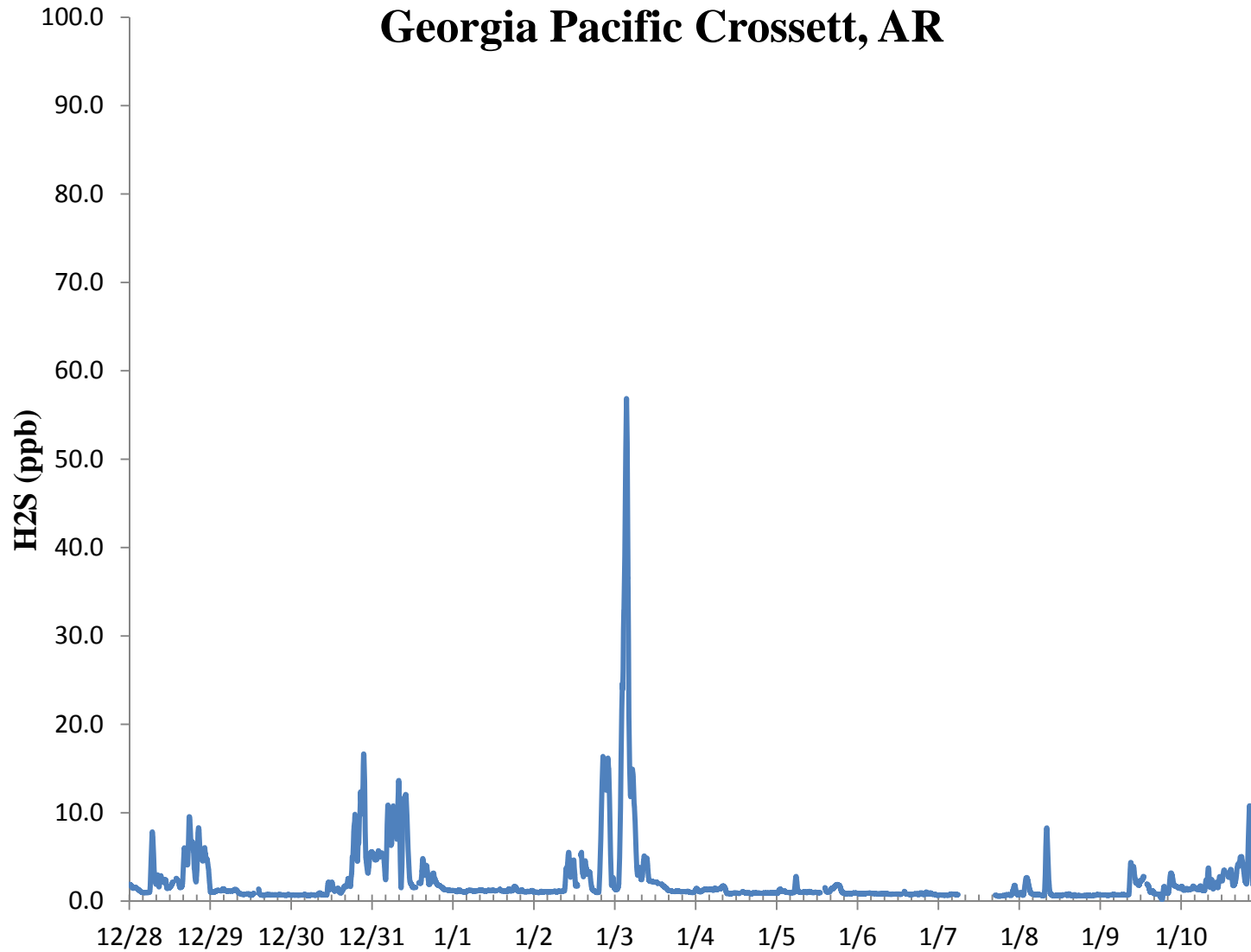


Jonathan Bowser
Manager, Air Quality and Meteorological Monitoring

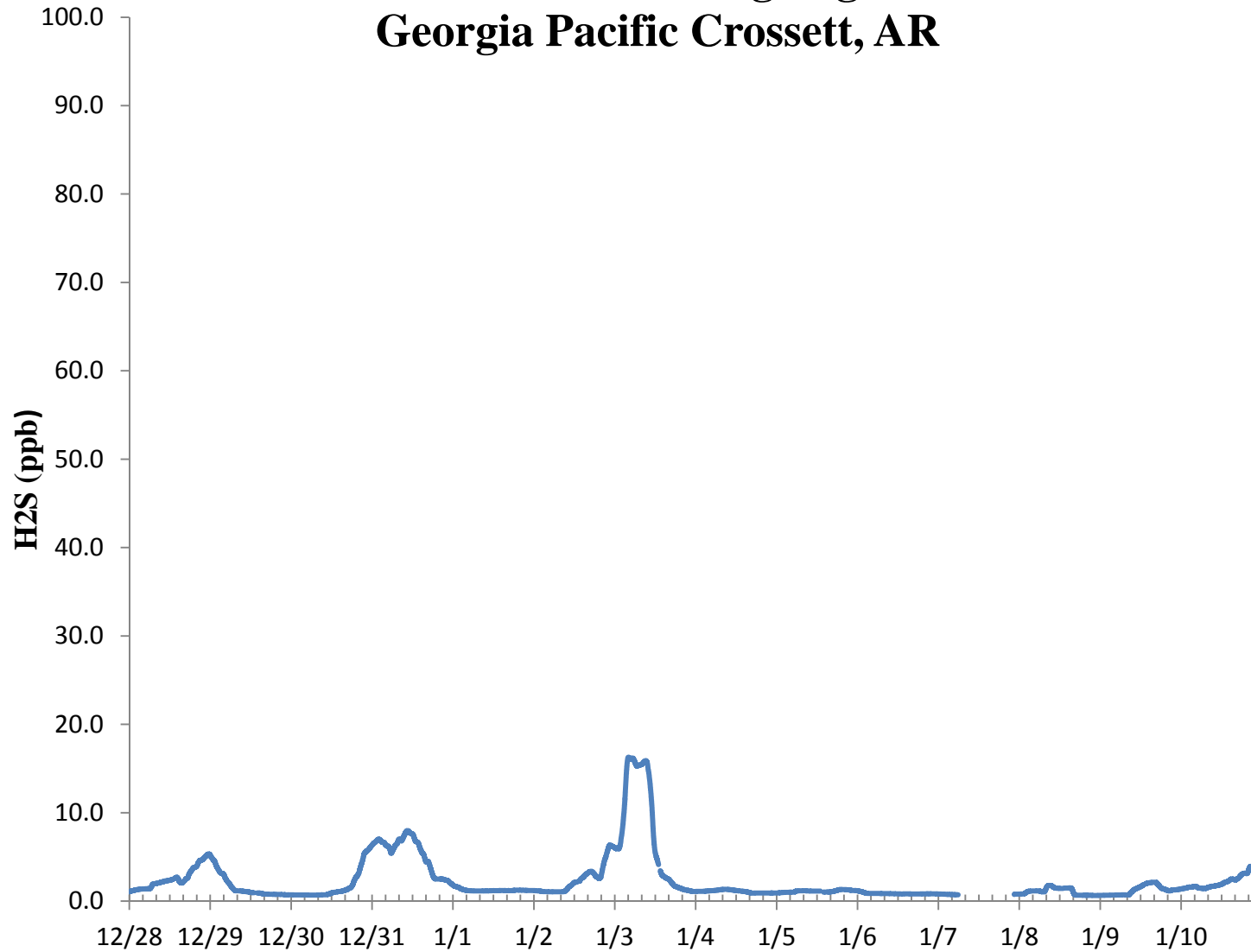
Air Measurements – Gainesville Office
6312 NW 18th Drive, Suite 100
Gainesville, Florida 32653
(352) 260-1162
Email: jbowser@trcsolutions.com

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

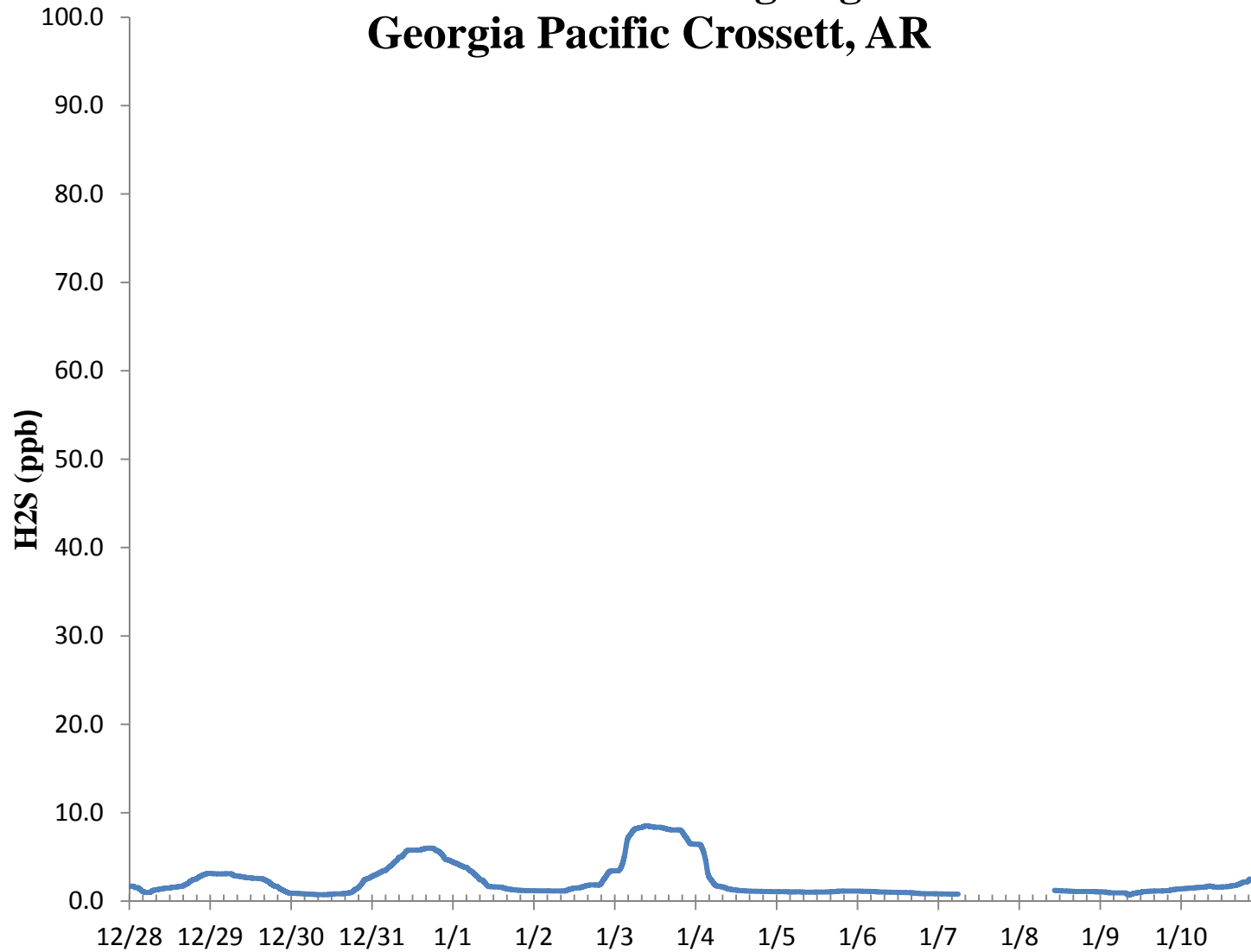
H2S 30 Min Rolling Avg Georgia Pacific Crossett, AR



H2S 8 Hr Rolling Avg Georgia Pacific Crossett, AR

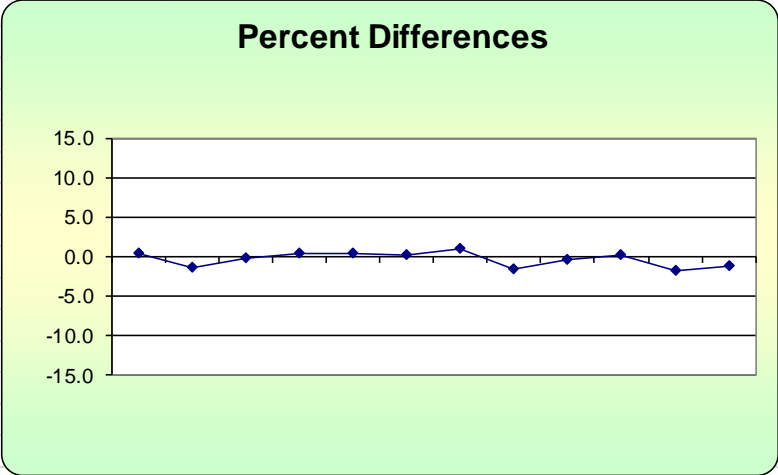


H2S 24 Hr Rolling Avg Georgia Pacific Crossett, AR



H₂S Assessment

GP - Crossett, AR			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																						
12/28/2016 13:00	70.2	70.0	0.3	-1.286	0.082	0.286	0.082																						
12/29/2016 13:00	69.0	70.0	-1.4	75th Percentile	2.041	1.429	2.041	<table border="1"> <tr> <td>n</td> <td>S_d</td> <td>S_{d2}</td> <td>Σ d </td> <td>"AB" (Eqn 4)</td> </tr> <tr> <td>13</td> <td>0.876</td> <td>1.081</td> <td>8.857</td> <td>0.681</td> </tr> <tr> <td>n-1</td> <td>Σd</td> <td>Σd²</td> <td>Σ d ²</td> <td>"AS" (Eqn 5)</td> </tr> <tr> <td>12</td> <td>-4.286</td> <td>10.612</td> <td>10.612</td> <td>0.618</td> </tr> </table>	n	S _d	S _{d2}	Σ d	"AB" (Eqn 4)	13	0.876	1.081	8.857	0.681	n-1	Σd	Σd ²	Σ d ²	"AS" (Eqn 5)	12	-4.286	10.612	10.612	0.618	
n	S _d	S _{d2}	Σ d	"AB" (Eqn 4)																									
13	0.876	1.081	8.857	0.681																									
n-1	Σd	Σd ²	Σ d ²	"AS" (Eqn 5)																									
12	-4.286	10.612	10.612	0.618																									
12/30/2016 13:00	69.9	70.0	-0.1	0.286	0.020	0.143	0.020																						
12/31/2016 13:00	70.2	70.0	0.3		0.082	0.286	0.082																						
1/1/2017 13:00	70.2	70.0	0.3		0.082	0.286	0.082																						
1/2/2017 13:00	70.1	70.0	0.1		0.020	0.143	0.020																						
1/3/2017 13:00	70.7	70.0	1.0		1.000	1.000	1.000	<table border="1"> <tr> <td>Bias (%) (Eqn 3)</td> <td>Both Signs Positive</td> </tr> <tr> <td>0.99</td> <td>FALSE</td> </tr> </table>	Bias (%) (Eqn 3)	Both Signs Positive	0.99	FALSE																	
Bias (%) (Eqn 3)	Both Signs Positive																												
0.99	FALSE																												
1/4/2017 13:00	68.9	70.0	-1.6		2.469	1.571	2.469																						
1/5/2017 13:00	69.7	70.0	-0.4		0.184	0.429	0.184	<table border="1"> <tr> <td>CV (%) (Eqn 2)</td> <td>Signed Bias (%)</td> <td>Both Signs Negative</td> </tr> <tr> <td>1.21</td> <td>+/-0.99</td> <td>FALSE</td> </tr> </table>	CV (%) (Eqn 2)	Signed Bias (%)	Both Signs Negative	1.21	+/-0.99	FALSE															
CV (%) (Eqn 2)	Signed Bias (%)	Both Signs Negative																											
1.21	+/-0.99	FALSE																											
1/6/2017 13:00	70.1	70.0	0.1		0.020	0.143	0.020																						
1/8/2017 13:00	68.8	70.0	-1.7		2.939	1.714	2.939																						
1/9/2017 13:00	69.1	70.0	-1.3		1.653	1.286	1.653																						
1/10/2017 13:00	70.1	70.0	0.1		0.020	0.143	0.020	<table border="1"> <tr> <td>Upper Probability Limit</td> <td>Lower Probability Limit</td> </tr> <tr> <td>1.39</td> <td>-2.05</td> </tr> </table>	Upper Probability Limit	Lower Probability Limit	1.39	-2.05																	
Upper Probability Limit	Lower Probability Limit																												
1.39	-2.05																												



Meteorological Summary

