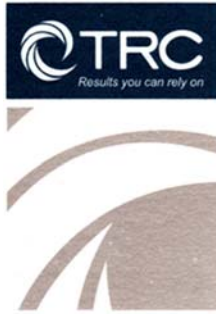


December 18, 2015



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December 18, 2015

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 2nd through December 15th.

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. A power outage at the meteorological site resulted in an extended period of data loss from December 2nd through the afternoon of December 4th.

There was a single occurrence of data loss during this two week period, as well as those resulting from automated daily 1-point QC and weekly calibration checks. On December 14th there was approximately 8 hours of data loss due to replacement of the analyzer's converter heater assembly, adjustment of the high voltage power supply (HVPS), and calibrations surrounding that maintenance. Results for all available 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,



December 18, 2015

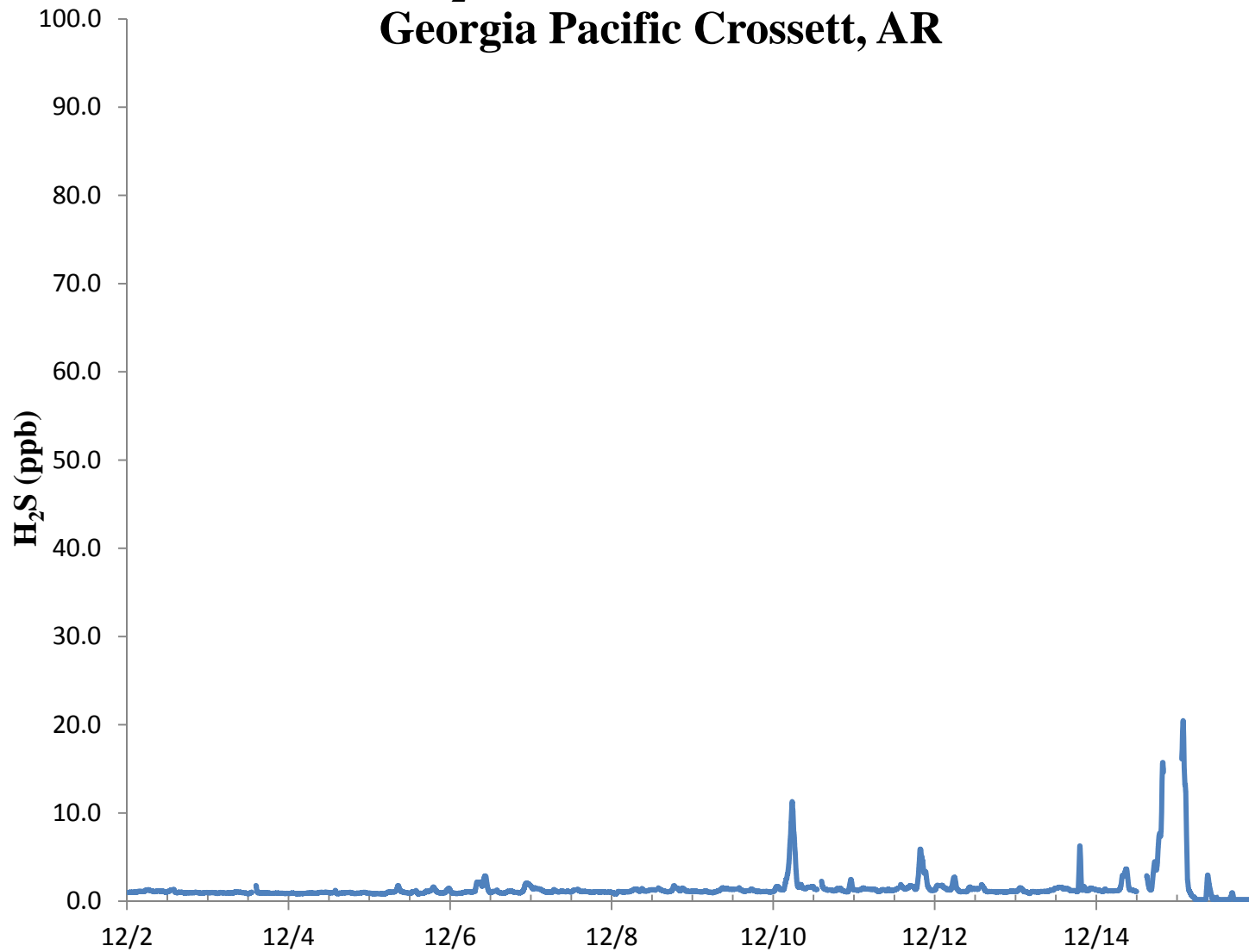


Jonathan Bowser
Manager, Air Quality and Meteorological Monitoring

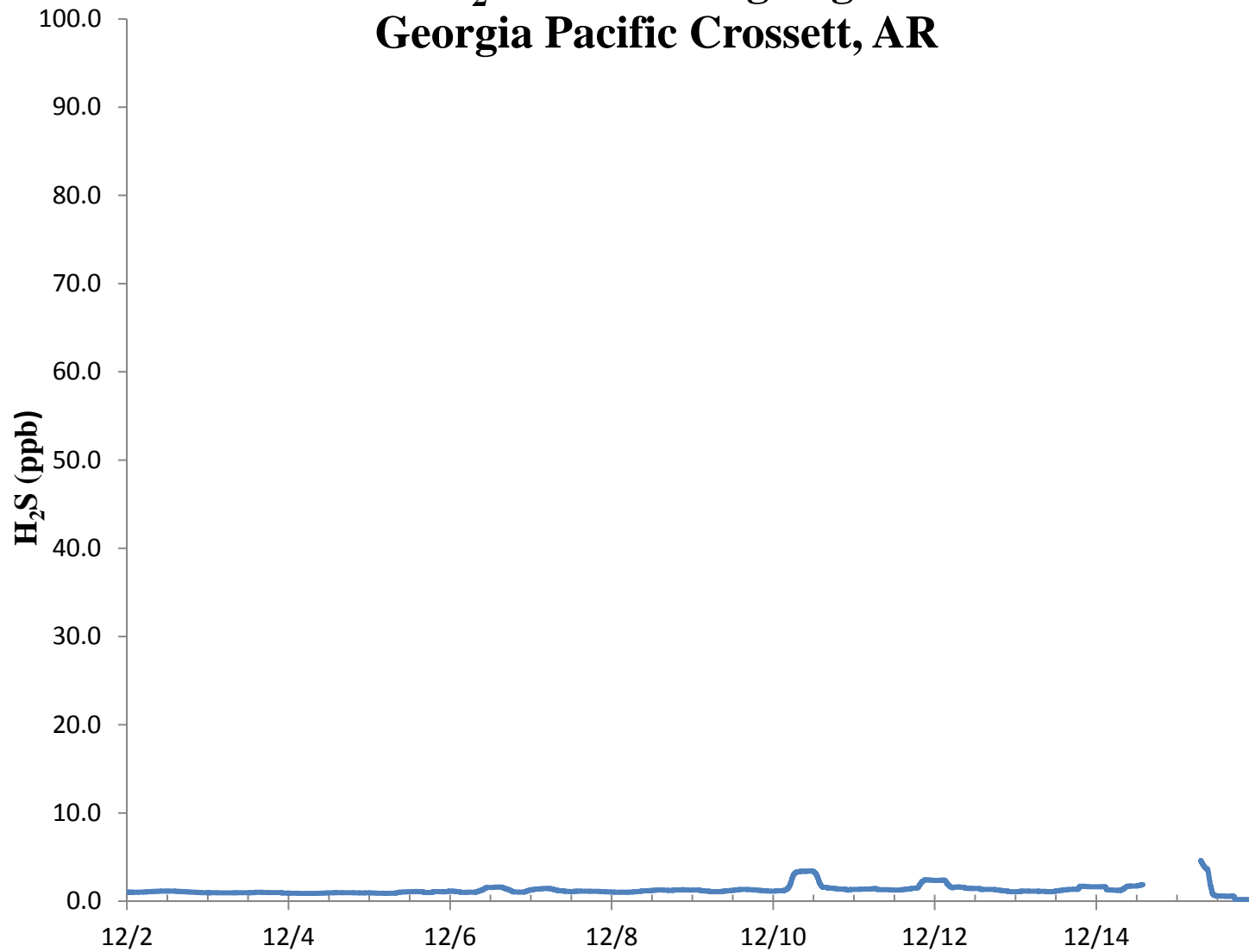
Air Measurements – Gainesville Office
6312 NW 18th Drive, Suite 100
Gainesville, Florida 32653
(352) 260-1162
Email: jbowser@trcsolutions.com

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

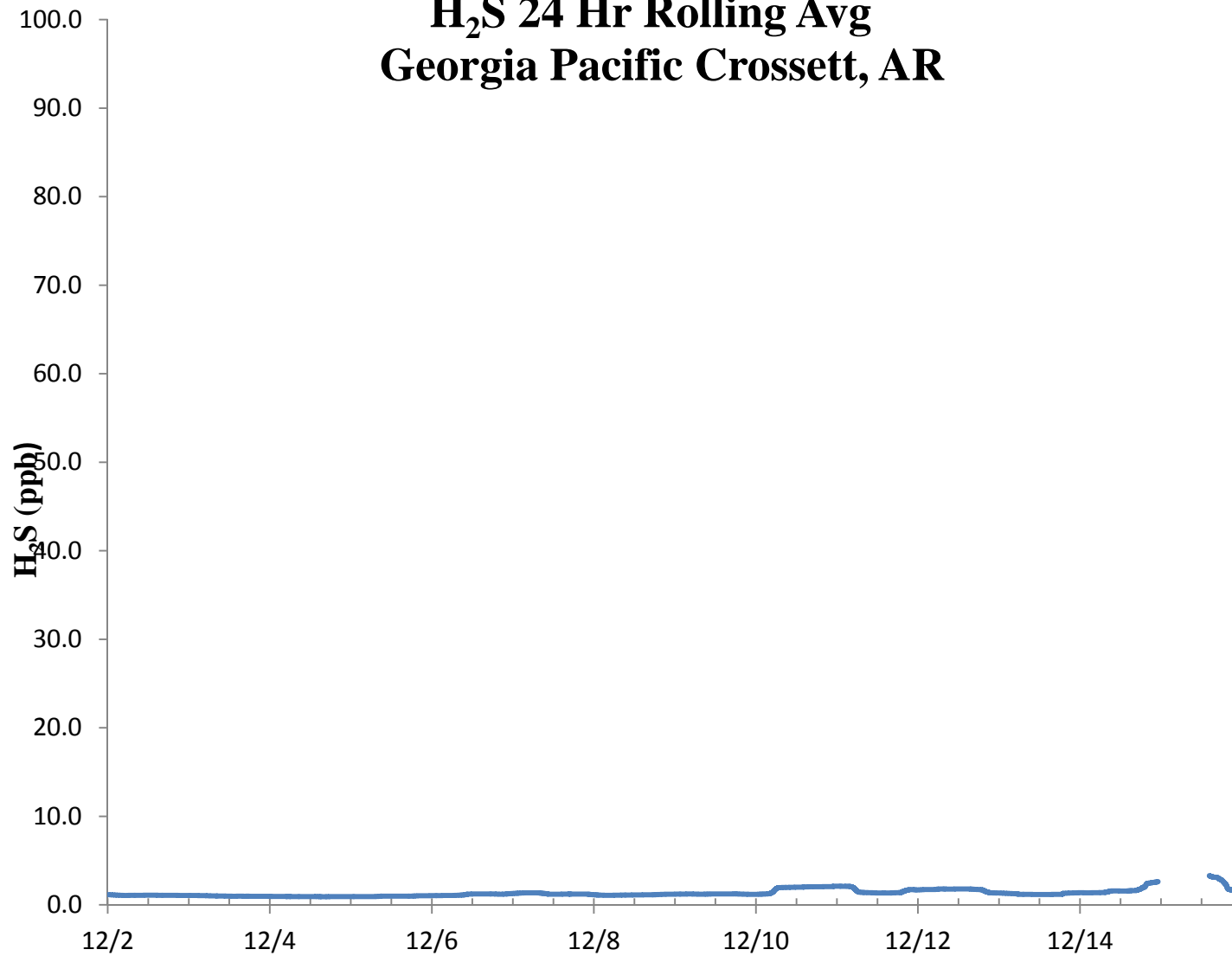
H₂S 30 Min Rolling Avg Georgia Pacific Crossett, AR



H₂S 8 Hr Rolling Avg Georgia Pacific Crossett, AR



H₂S 24 Hr Rolling Avg Georgia Pacific Crossett, AR



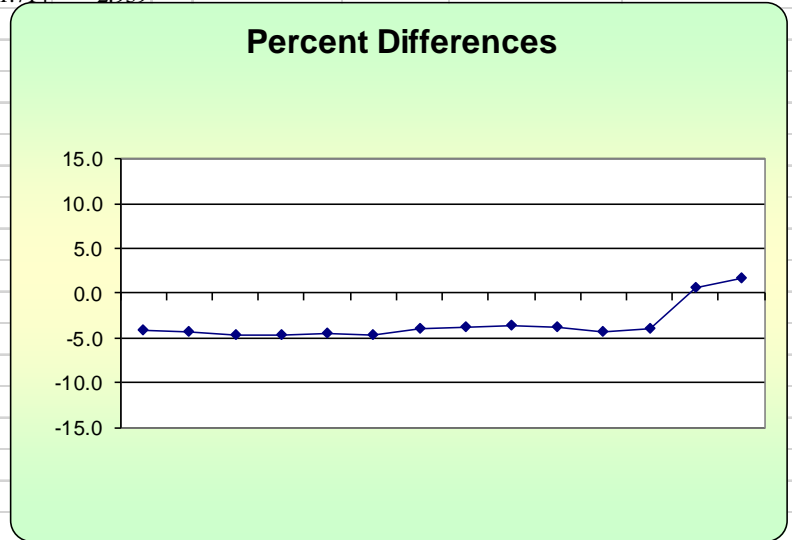
H₂S Assessment

GP - Crossett, AR			Constituent type: H ₂ S					CV _{ub} (%)	Bias (%)										
Date	Meas Val (Y)	Audit Val (X)	d (Eqn. 1)	25th Percentile	d ²	d	d ²												
12/2/2015 13:00	67.1	70.0	-4.1	-4.393	17.163	4.143	17.163												
12/3/2015 13:00	67.0	70.0	-4.3	75th Percentile	18.367	4.286	18.367	<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>14</td> <td>1.980</td> <td>6.533</td> <td>52.571</td> <td>3.755</td> </tr> </table>	n	S _d	S _{d2}	Σ d	"AB" (Eqn 4)	14	1.980	6.533	52.571	3.755	
n	S _d	S _{d2}	Σ d	"AB" (Eqn 4)															
14	1.980	6.533	52.571	3.755															
12/4/2015 13:00	66.7	70.0	-4.7	-3.750	22.224	4.714	22.224	<table border="1"> <tr> <td>n-1</td> <td>Σd</td> <td>Σd²</td> <td>Σ d ²</td> <td>"AS" (Eqn 5)</td> </tr> <tr> <td>13</td> <td>-48.000</td> <td>215.551</td> <td>215.551</td> <td>1.181</td> </tr> </table>	n-1	Σd	Σd ²	Σ d ²	"AS" (Eqn 5)	13	-48.000	215.551	215.551	1.181	
n-1	Σd	Σd ²	Σ d ²	"AS" (Eqn 5)															
13	-48.000	215.551	215.551	1.181															
12/5/2015 13:00	66.7	70.0	-4.7		22.224	4.714	22.224												
12/6/2015 13:00	66.9	70.0	-4.4		19.612	4.429	19.612												
12/7/2015 13:00	66.8	70.0	-4.6		20.898	4.571	20.898												
12/8/2015 13:00	67.2	70.0	-4.0		16.000	4.000	16.000												
12/9/2015 13:00	67.4	70.0	-3.7		13.796	3.714	13.796												
12/10/2015 13:00	67.5	70.0	-3.6		12.755	3.571	12.755												
12/11/2015 13:00	67.3	70.0	-3.9		14.878	3.857	14.878												
12/12/2015 13:00	67.0	70.0	-4.3		18.367	4.286	18.367												
12/13/2015 13:00	67.2	70.0	-4.0		16.000	4.000	16.000												
12/15/2015 13:00	70.4	70.0	0.6		0.327	0.571	0.327												
12/15/2015 13:00	71.2	70.0	1.7		2.939	1.714	2.939												

Bias (%) (Eqn 3)	Both Signs Positive
4.31	FALSE

CV (%) (Eqn 2)	Signed Bias (%)	Both Signs Negative
2.69	-4.31	TRUE

Upper Probability Limit	Lower Probability Limit
0.45	-7.31



Meteorological Summary

