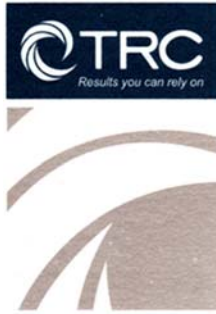


June 10, 2016



6312 NW 18th Drive
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Gainesville, FL 32653

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June 10, 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 (H₂S) and meteorological monitoring program, at the GP Crossett mill, covering the calendar period of May 18th through May 31st.

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 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. However, during the morning of May 24th, the LAN connection was inadvertently disconnected. The automated QC check on the 24th was not performed because the LAN connection was not restored until the 25th. 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.

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.



June 10, 2016

Sincerely,

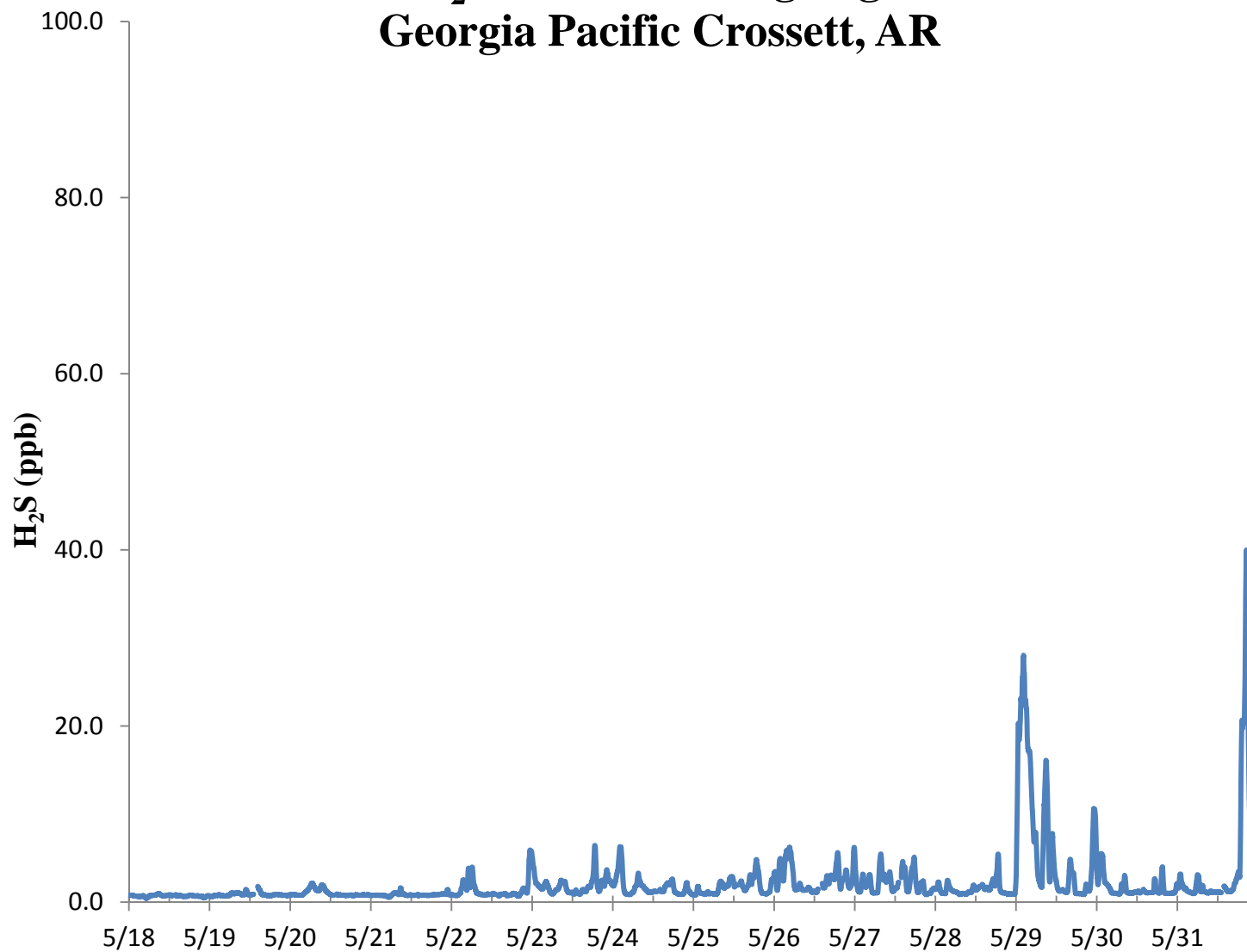


Jonathan Bowser
Manager, Air Quality and Meteorological Monitoring

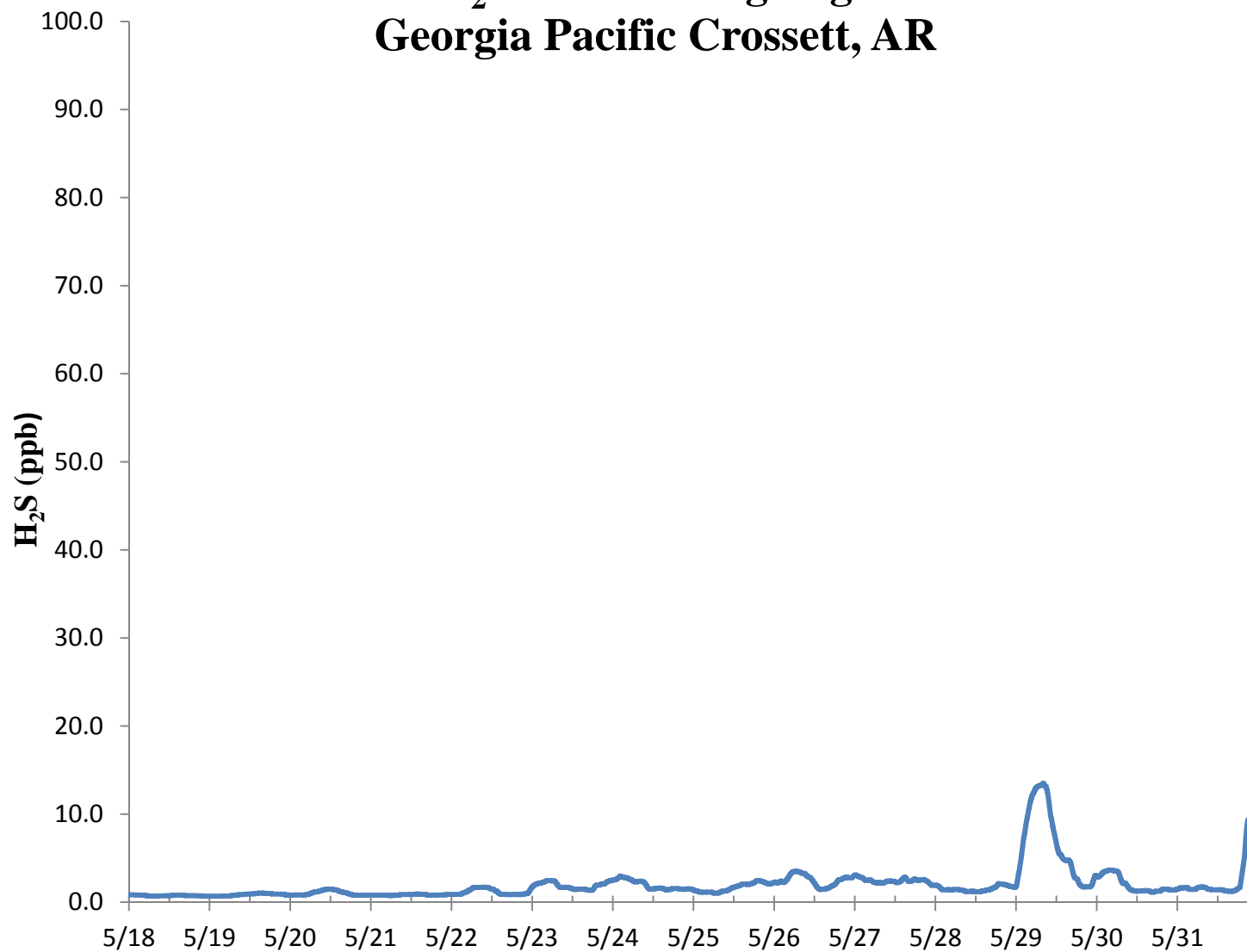
Air Measurements – Gainesville Office
6312 NW 18th Drive, Suite 100
Gainesville, Florida 32653
(352) 260-1162
Email: jbowser@trcsolutions.com

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

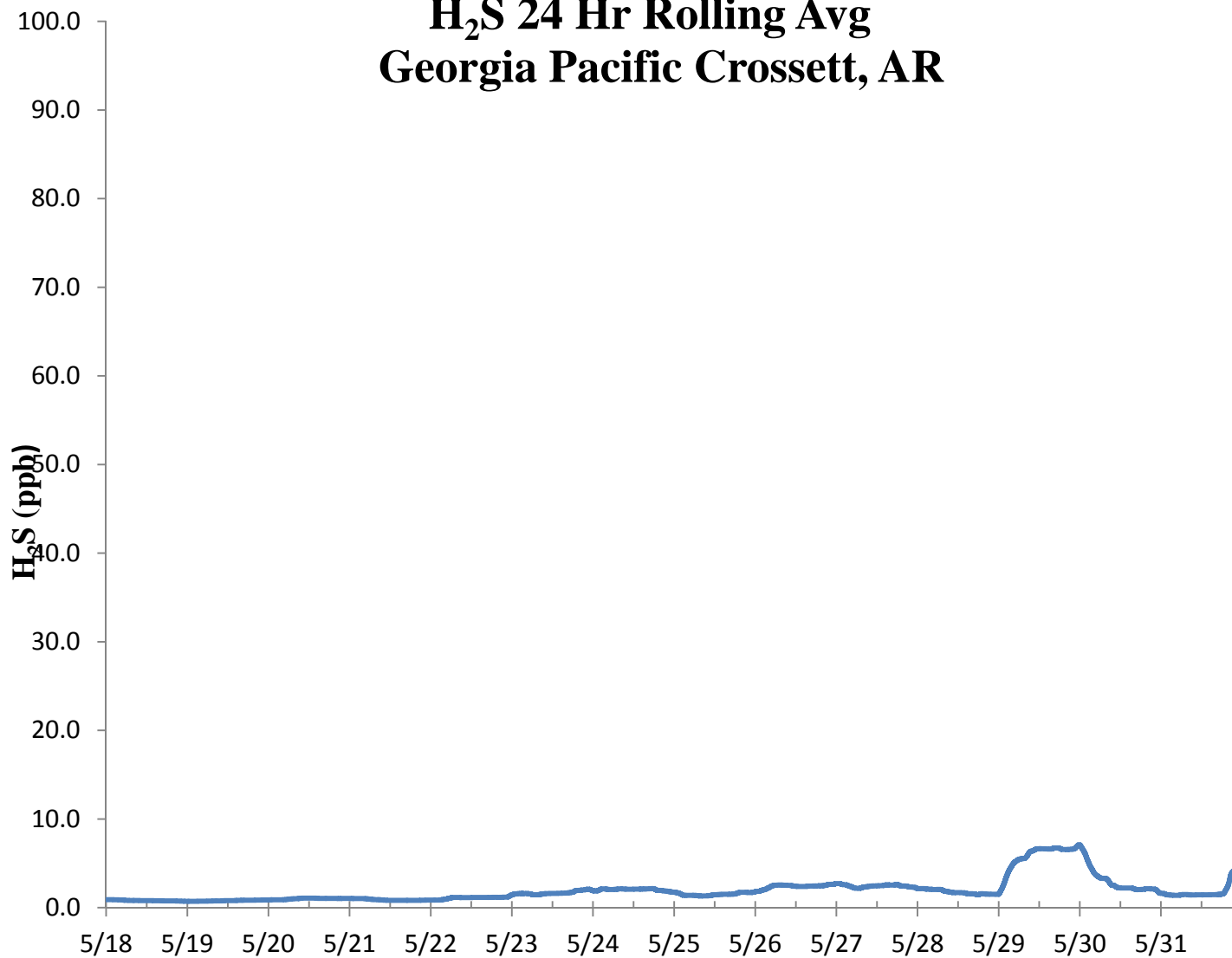
H₂S 30 Min Rolling Avg Georgia Pacific Crossett, AR



H₂S 8 Hr Rolling Avg Georgia Pacific Crossett, AR

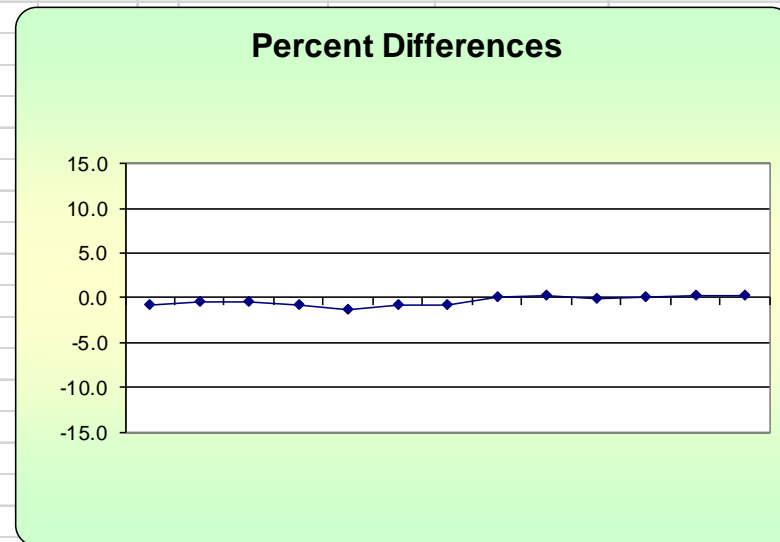


H₂S 24 Hr Rolling Avg Georgia Pacific Crossett, AR



H₂S Assessment

GP - Crossett, AR			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												
5/18/2016 13:00	69.5	70.0	-0.7	-0.714	0.510	0.714	0.510												
5/19/2016 13:00	69.7	70.0	-0.4	75th Percentile	0.184	0.429	0.184	<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>0.514</td> <td>0.471</td> <td>6.286</td> <td>0.484</td> </tr> </table>	n	S _d	S _{d2}	Σ d	"AB" (Eqn 4)	13	0.514	0.471	6.286	0.484	
n	S _d	S _{d2}	Σ d	"AB" (Eqn 4)															
13	0.514	0.471	6.286	0.484															
5/20/2016 13:00	69.7	70.0	-0.4	0.000	0.184	0.429	0.184	<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>12</td> <td>-4.571</td> <td>4.776</td> <td>4.776</td> <td>0.380</td> </tr> </table>	n-1	Σd	Σd ²	Σ d ²	"AS" (Eqn 5)	12	-4.571	4.776	4.776	0.380	
n-1	Σd	Σd ²	Σ d ²	"AS" (Eqn 5)															
12	-4.571	4.776	4.776	0.380															
5/21/2016 13:00	69.4	70.0	-0.9		0.735	0.857	0.735												
5/22/2016 13:00	69.1	70.0	-1.3		1.653	1.286	1.653												
5/23/2016 13:00	69.5	70.0	-0.7		0.510	0.714	0.510												
5/25/2016 13:00	69.4	70.0	-0.9		0.735	0.857	0.735												
5/26/2016 13:00	70.0	70.0	0.0		0.000	0.000	0.000												
5/27/2016 13:00	70.2	70.0	0.3		0.082	0.286	0.082												
5/28/2016 13:00	69.9	70.0	-0.1		0.020	0.143	0.020												
5/29/2016 13:00	70.0	70.0	0.0		0.000	0.000	0.000												
5/30/2016 13:00	70.2	70.0	0.3		0.082	0.286	0.082												
5/31/2016 13:00	70.2	70.0	0.3		0.082	0.286	0.082												
								<table border="1"> <tr> <td>Bias (%) (Eqn 3)</td> <td>Both Signs Positive</td> </tr> <tr> <td>0.67</td> <td>FALSE</td> </tr> </table>	Bias (%) (Eqn 3)	Both Signs Positive	0.67	FALSE							
Bias (%) (Eqn 3)	Both Signs Positive																		
0.67	FALSE																		
								<table border="1"> <tr> <td>Signed Bias (%)</td> <td>Both Signs Negative</td> </tr> <tr> <td>-0.67</td> <td>TRUE</td> </tr> </table>	Signed Bias (%)	Both Signs Negative	-0.67	TRUE							
Signed Bias (%)	Both Signs Negative																		
-0.67	TRUE																		
								<table border="1"> <tr> <td>CV (%) (Eqn 2)</td> <td></td> </tr> <tr> <td>0.71</td> <td></td> </tr> </table>	CV (%) (Eqn 2)		0.71								
CV (%) (Eqn 2)																			
0.71																			
								<table border="1"> <tr> <td>Upper Probability Limit</td> <td>Lower Probability Limit</td> </tr> <tr> <td>0.66</td> <td>-1.36</td> </tr> </table>	Upper Probability Limit	Lower Probability Limit	0.66	-1.36							
Upper Probability Limit	Lower Probability Limit																		
0.66	-1.36																		



Meteorological Summary

