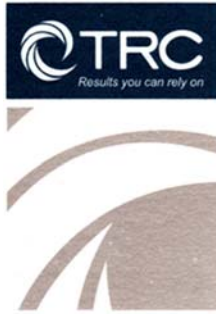


March 25, 2016



6312 NW 18th Drive
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Gainesville, FL 32653

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March 25, 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 February 24th through March 8th.

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). Please note, observed H₂S concentrations were elevated on February 27th and 29th. The highest recorded 30-min rolling average concentrations on the 27th and 29th were 217.4 ppb and 97.3 ppb, respectively. The highest recorded 8-hour rolling average concentrations on the 27th and 29th were 141.0 ppb and 26.3 ppb, respectively.

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 two week period, in addition to those resulting from automated daily 1-point QC and weekly calibration checks. On February 26th, the LAN connection was interrupted resulting in approximately two hours of data loss. Due to the LAN interruption, an automated calibration check was not performed on the 26th. 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.



March 25, 2016

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

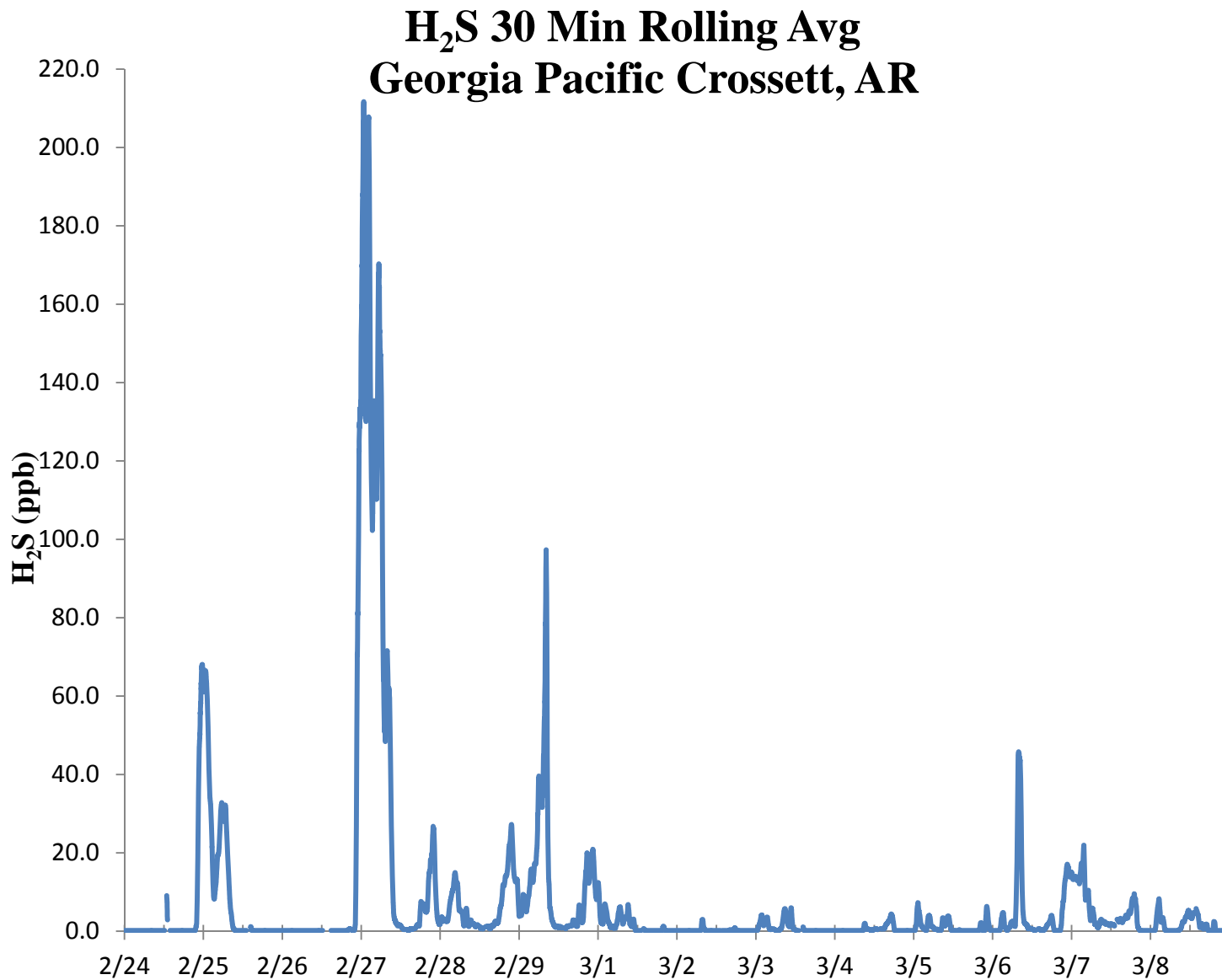
Sincerely,



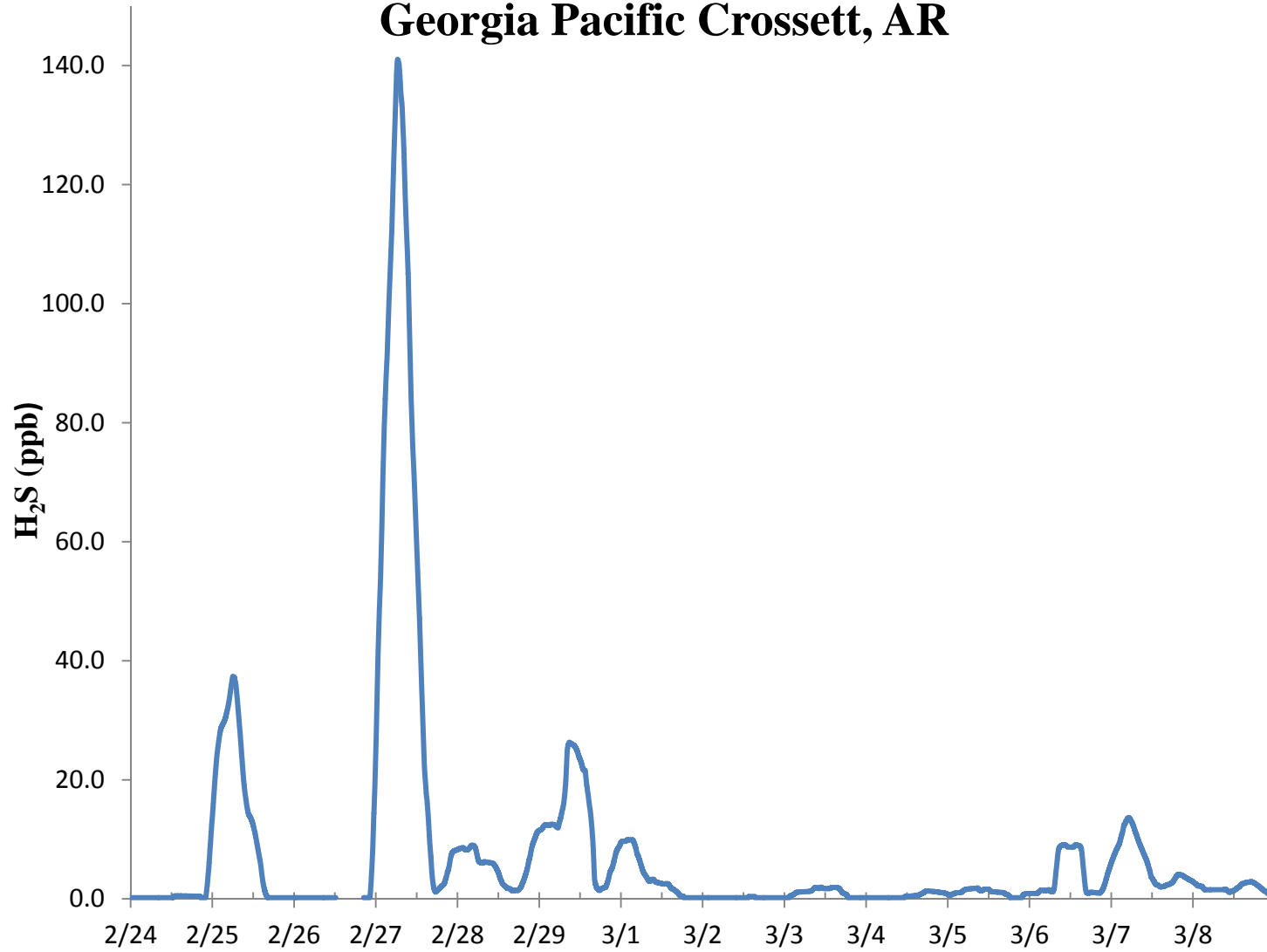
Jonathan Bowser
Manager, Air Quality and Meteorological Monitoring

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

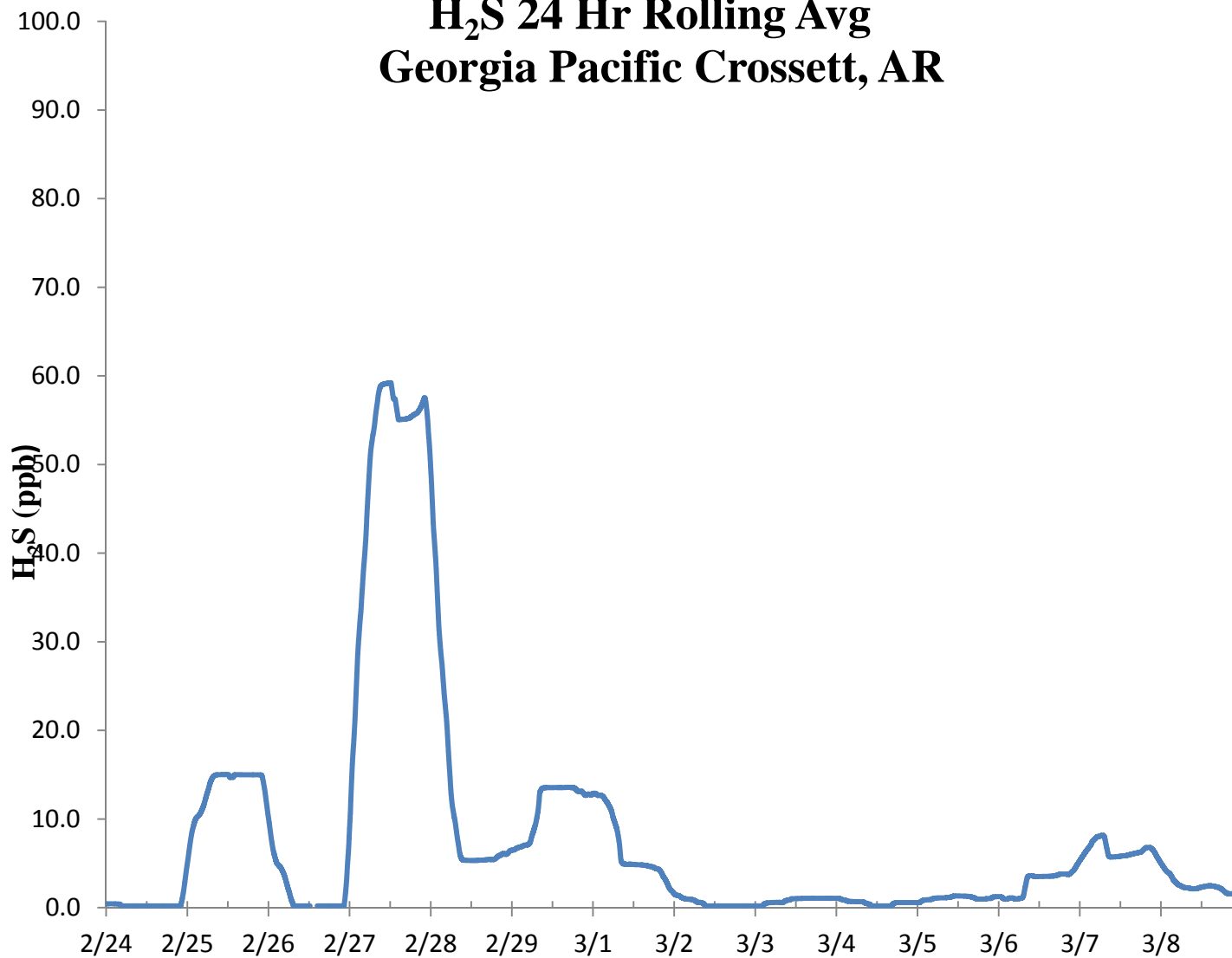
CC: Becky Keough, ADEQ Director via email: keogh@adeq.state.ar.us
Kara Allen, Environmental Engineer, USEPA Region 6 via email Allen.Kara@epa.gov



H₂S 8 Hr Rolling Avg Georgia Pacific Crossett, AR

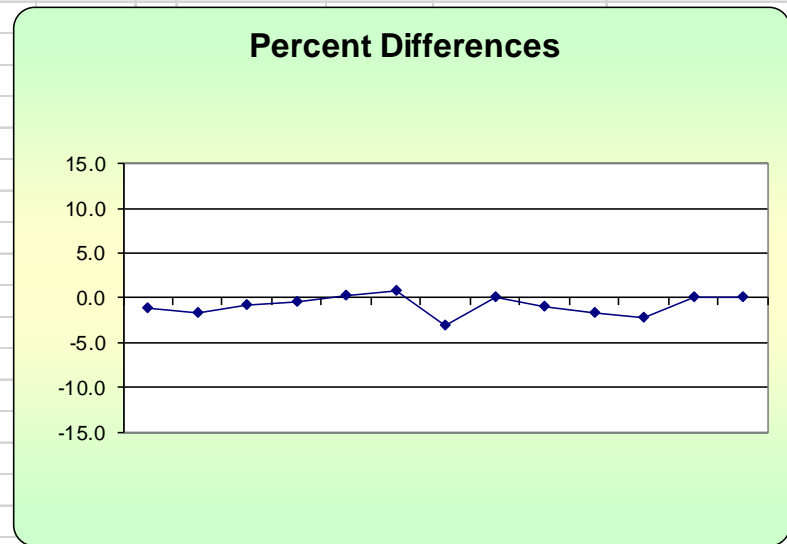


H₂S 24 Hr Rolling Avg Georgia Pacific Crossett, AR



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																						
2/24/2016 13:00	69.2	70.0	-1.1	-1.714	1.306	1.143	1.306																						
2/25/2016 13:00	68.8	70.0	-1.7	75th Percentile	2.939	1.714	2.939																						
2/27/2016 13:00	69.4	70.0	-0.9	0.000	0.735	0.857	0.735																						
2/28/2016 13:00	69.7	70.0	-0.4		0.184	0.429	0.184																						
2/29/2016 13:00	70.2	70.0	0.3		0.082	0.286	0.082																						
3/1/2016 13:00	70.6	70.0	0.9		0.735	0.857	0.735																						
3/2/2016 13:00	67.9	70.0	-3.0		9.000	3.000	9.000																						
3/3/2016 13:00	70.1	70.0	0.1		0.020	0.143	0.020																						
3/4/2016 13:00	69.3	70.0	-1.0		1.000	1.000	1.000																						
3/5/2016 13:00	68.8	70.0	-1.7		2.939	1.714	2.939																						
3/6/2016 13:00	68.5	70.0	-2.1		4.592	2.143	4.592																						
3/7/2016 13:00	70.0	70.0	0.0		0.000	0.000	0.000																						
3/8/2016 13:00	70.0	70.0	0.0		0.000	0.000	0.000																						
								<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>1.107</td> <td>2.592</td> <td>13.286</td> <td>1.022</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>-10.714</td> <td>23.531</td> <td>23.531</td> <td>0.911</td> </tr> </table>	n	S_d	S_{d2}	Σ d 	"AB" (Eqn 4)	13	1.107	2.592	13.286	1.022	n-1	Σd	Σd²	Σ d ²	"AS" (Eqn 5)	12	-10.714	23.531	23.531	0.911	
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								<table border="1"> <tr> <td>CV (%) (Eqn 2)</td> <td>Signed Bias (%)</td> <td>Both Signs Negative</td> </tr> <tr> <td>1.53</td> <td>-1.47</td> <td>TRUE</td> </tr> </table>	CV (%) (Eqn 2)	Signed Bias (%)	Both Signs Negative	1.53	-1.47	TRUE															
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Meteorological Summary

