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January 13, 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 – Revised

Dear Ms. Simmons,

Following is a data summary for the sixth two-week operational period 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 H_2S 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 \pm 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 was one occurrence of data loss during this two week period, in addition to those resulting from automated daily 1-point QC and weekly calibration checks. During a site visit on December 16th, TRC replaced the disk on module (DOM) that stores the instrument's configuration and reloaded the firmware. Following replacement of the DOM, a complete calibration was performed.

Please note, the 1-point QC check was not performed during the regularly scheduled time due to the DOM replacement. A single check point from the calibration performed following the DOM replacement was used to replace the missing 1-point QC check on the 16th in the CV calculation for this biweekly period.

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

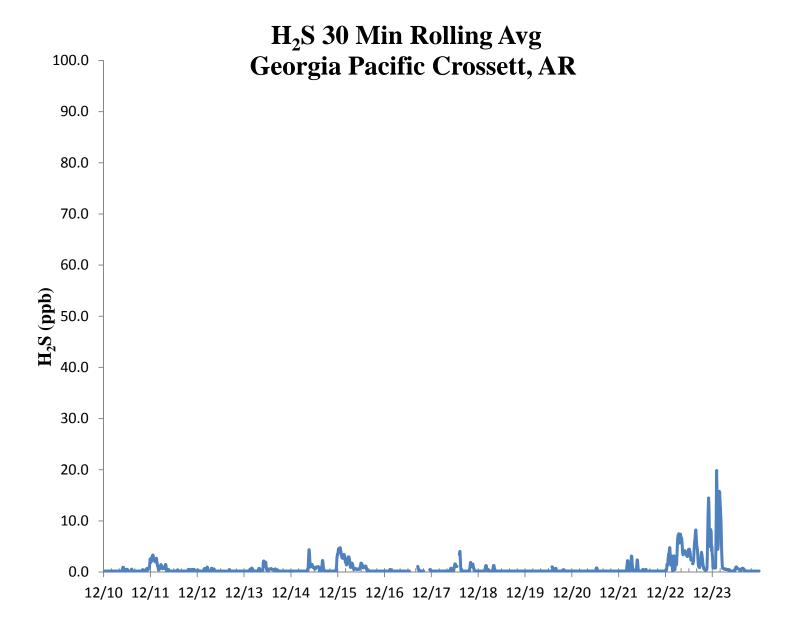
Manager, Air Quality and Meteorological Monitoring

Air Measurements – Gainesville Office 6312 NW 18th Drive, Suite 100 Gainesville, Florida 32653 (352) 260-1162

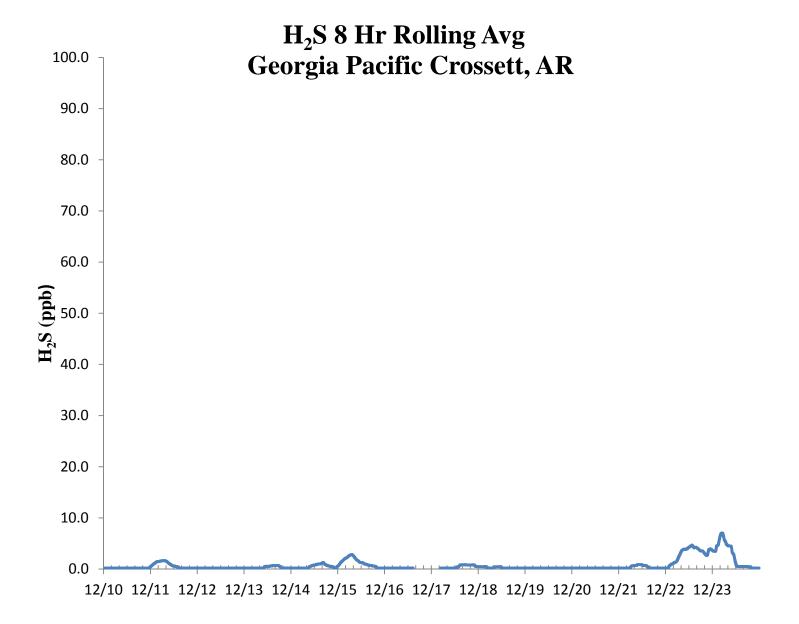
Email: jbowser@trcsolutions.com

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

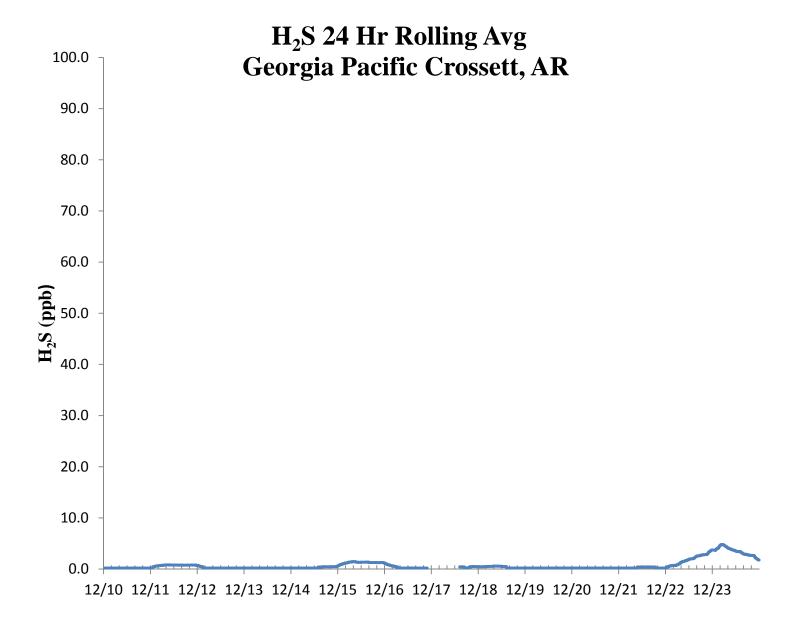




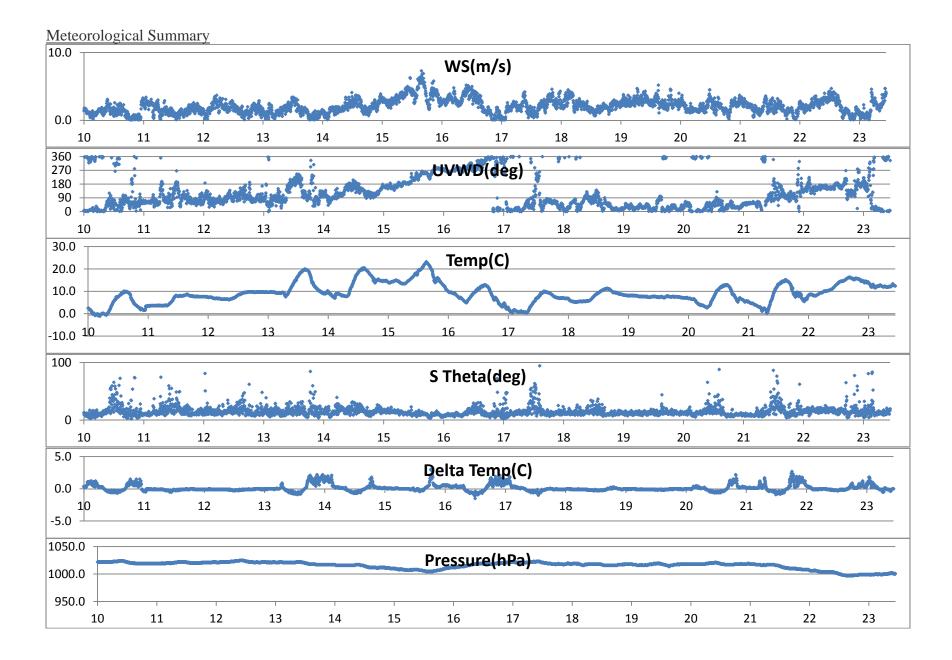




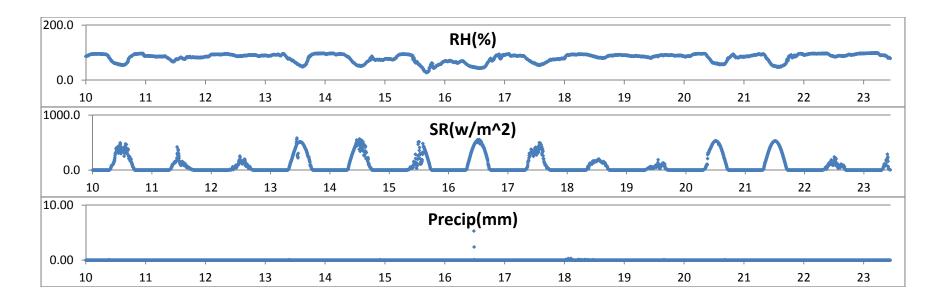














					H_2S	Asses	ssment	;				
GP	- Crossett, AR		Pollutant type: H ₂ S						CV _{ub} (%)		Bias (%)	
Date	Meas Val (Y)	Audit Val (X)	d (Eqn. 1)	25th Percentile	d ²	d	d ²					
12/10/2014 13:00	71.7	70.0	2.4	0.714	5.898	2.429	5.898					
12/11/2014 13:00	72.2	70.0	3.1	75th Percentile	9.878	3.143	9.878	n	S _d	S _{d2}	∑ d	"AB" (Eqn 4)
12/12/2014 13:00	72.1	70.0	3.0	3.143	9.000	3.000	9.000	13	1.328	5.127	25.429	1.95
12/13/2014 13:00	72.5	70.0	3.6		12.755	3.571	12.755	n-1	∑d	$\sum d^2$	$\sum d ^2$	"AS" (Eqn 5)
12/14/2014 13:00	72.4	70.0	3.4		11.755	3.429	11.755	12	25.429	70.898	70.898	1.32
12/15/2014 13:00	72.5	70.0	3.6		12.755	3.571	12.755					
12/16/2014 13:00	51.0	50.0	2.0		4.000	2.000	4.000				Bias (%) (Eqn 3)	Both Signs Positive
12/17/2014 13:00	70.9	70.0	1.3			1.286	1.653				2.61	
12/18/2014 13:00	70.5	70.0	0.7		0.510	0.714	0.510		CV (%) (Eqn 2)		Signed Bias (%)	Both Signs Negativ
12/19/2014 13:00	70.3	70.0	0.4		0.184	0.429	0.184		1.83		+2.61	FALSE
12/20/2014 13:00	70.1	70.0	0.1		0.020	0.143	0.020					
12/21/2014 13:00	70.1	70.0	0.1		0.020	0.143	0.020		Upper Probabil	ity Limit	Lower Probabilit	y Limit
12/22/2014 13:00	71.1	70.0	1.6			1.571	2.469		4.56		-0.65	
				Percent Differences								
				1 Growing Directions								
				15.0								
				10.0								
				5.0		_						
				0.0	<u> </u>	-	-	—	•			
				-5.0								
				-10.0								
				-15.0								

