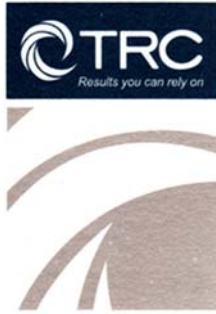


December 30, 2016



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December 30, 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 November 30th through December 13th.

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. On the evening of November 29th, TRC powered off the analyzer to perform extensive maintenance, including: pump replacement, lamp adjustment, replacement of filter frit, and subsequent calibration checks of zero and span concentrations. As a result, approximately ten and a half hours of H₂S data was lost on the 30th. 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.

Fourteen-day time series plots for all recorded meteorological (met) parameters are presented in the final table. There were two occurrences of met data loss during this monitoring period. On November 30th, TRC calibrated all met monitoring sensors resulting in approximately six hours of data loss. Then, on the following day, TRC tested and recalibrated the precipitation sensor, resulting in two and



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a half hours of data loss on December 1st.

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

Sincerely,

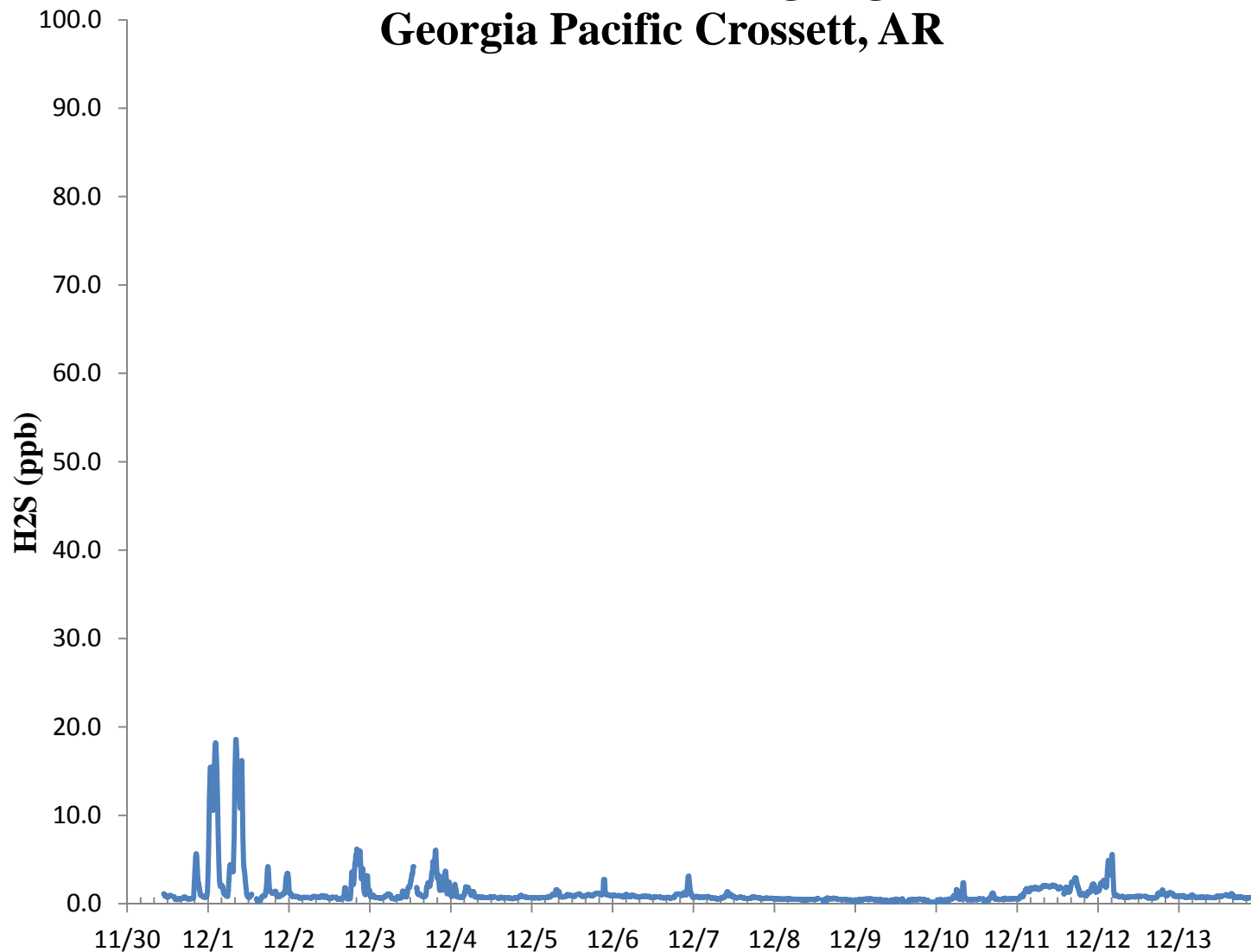


Jonathan Bowser
Manager, Air Quality and Meteorological Monitoring

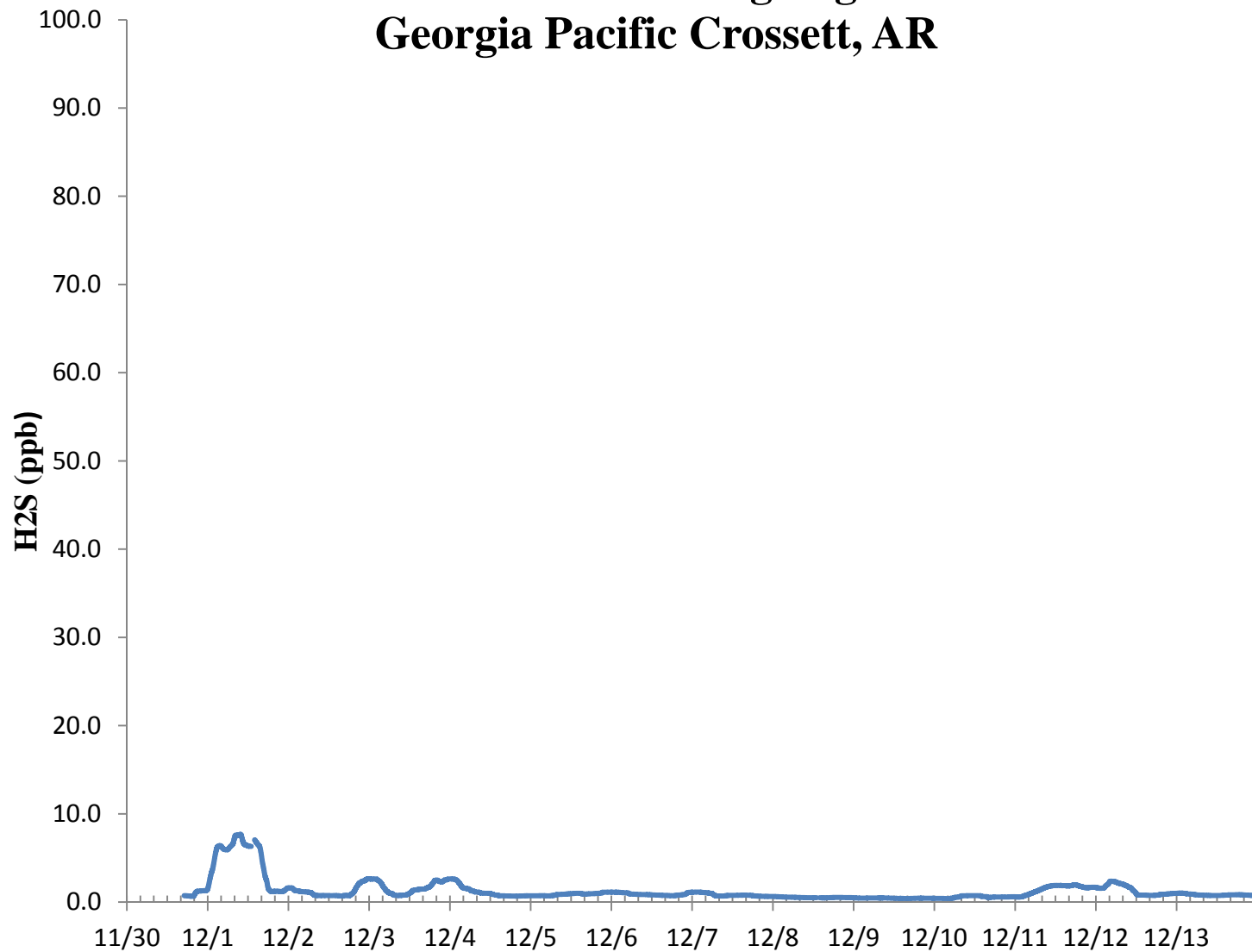
Air Measurements – Gainesville Office
6312 NW 18th Drive, Suite 100
Gainesville, Florida 32653
(352) 260-1162
Email: jbowser@trcsolutions.com

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

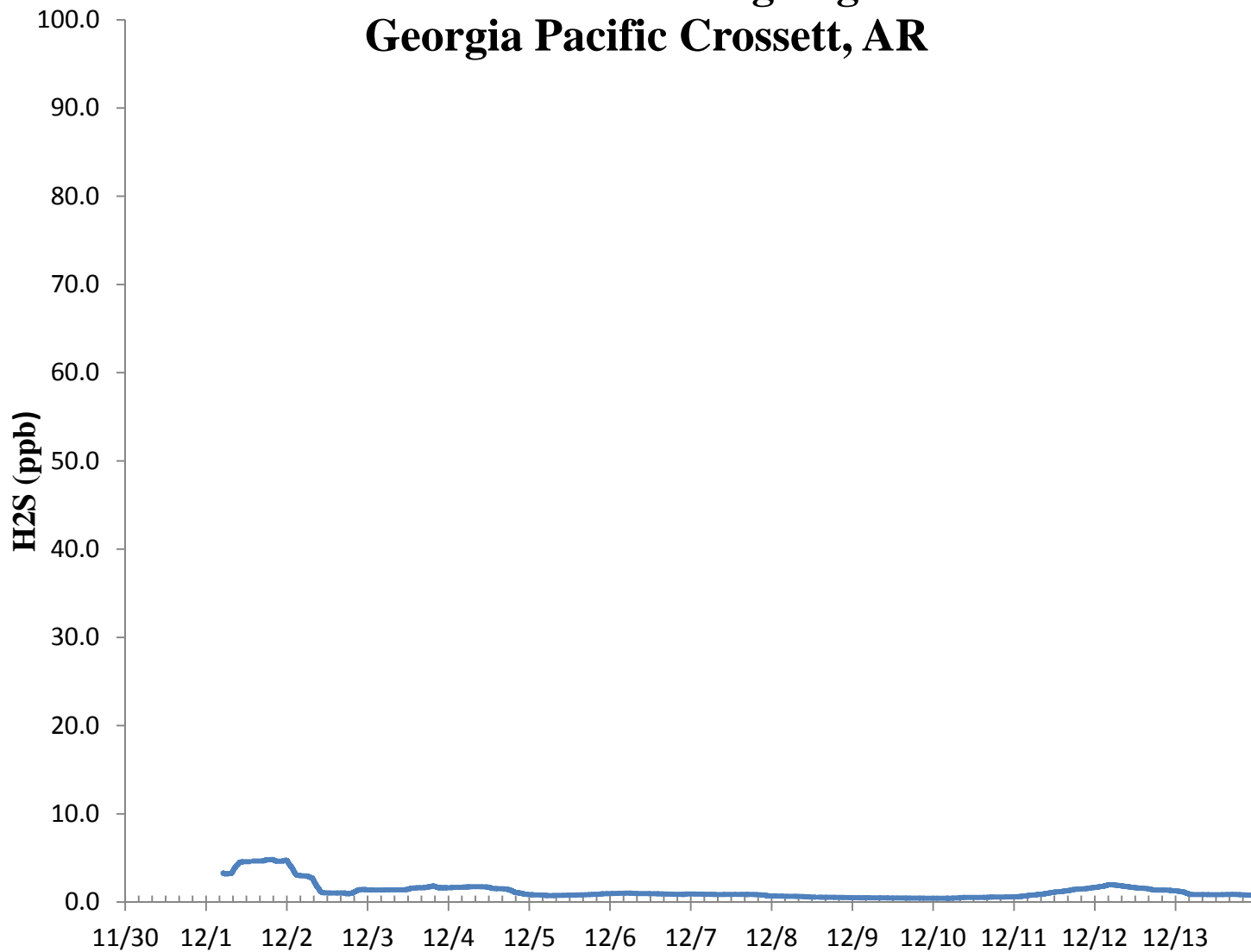
H2S 30 Min Rolling Avg Georgia Pacific Crossett, AR



H2S 8 Hr Rolling Avg Georgia Pacific Crossett, AR

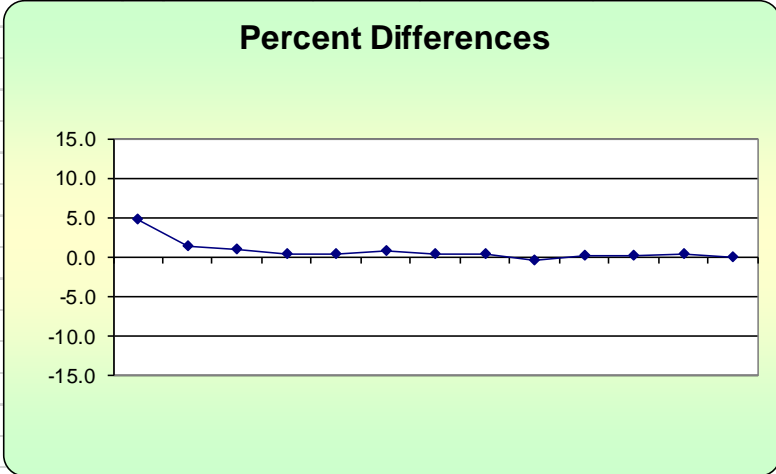


H2S 24 Hr Rolling Avg Georgia Pacific Crossett, AR



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 | | | | | |
| 11/30/2016 13:00 | 73.3 | 70.0 | 4.7 | 0.143 | 22.224 | 4.714 | 22.224 | | | | | |
| 12/1/2016 13:00 | 71.0 | 70.0 | 1.4 | 75th Percentile | 2.041 | 1.429 | 2.041 | n | S _d | S _{d2} | Σ d | "AB" (Eqn 4) |
| 12/2/2016 13:00 | 70.7 | 70.0 | 1.0 | 0.643 | 1.000 | 1.000 | 14 | | | | | |
| 12/3/2016 13:00 | 70.2 | 70.0 | 0.3 | | 0.082 | 0.286 | 0.082 | n-1 | Σd | Σd ² | Σ d ² | "AS" (Eqn 5) |
| 12/4/2016 13:00 | 70.2 | 70.0 | 0.3 | | 0.082 | 0.286 | 0.082 | | | | | |
| 12/5/2016 13:00 | 70.5 | 70.0 | 0.7 | | 0.510 | 0.714 | 0.510 | | | | | |
| 12/6/2016 13:00 | 70.3 | 70.0 | 0.4 | | 0.184 | 0.429 | 0.184 | | | | | |
| 12/7/2016 13:00 | 70.2 | 70.0 | 0.3 | | 0.082 | 0.286 | 0.082 | | | | | |
| 12/8/2016 13:00 | 69.7 | 70.0 | -0.4 | | 0.184 | 0.429 | 0.184 | CV (%) (Eqn 2) | Signed Bias (%) | Bias (%) (Eqn 3) | Both Signs Positive | TRUE |
| 12/9/2016 13:00 | 70.1 | 70.0 | 0.1 | | 0.020 | 0.143 | 0.020 | | | | | |
| 12/10/2016 13:00 | 70.1 | 70.0 | 0.1 | | 0.020 | 0.143 | 0.020 | | | | | |
| 12/11/2016 13:00 | 70.3 | 70.0 | 0.4 | | 0.184 | 0.429 | 0.184 | Upper Probability Limit | Lower Probability Limit | | | |
| 12/12/2016 13:00 | 70.0 | 70.0 | 0.0 | | 0.000 | 0.000 | 0.000 | | | 3.12 | -1.77 | |
| 12/13/2016 13:00 | 70.0 | 70.0 | 0.0 | | 0.000 | 0.000 | 0.000 | | | | | |



Meteorological Summary

