

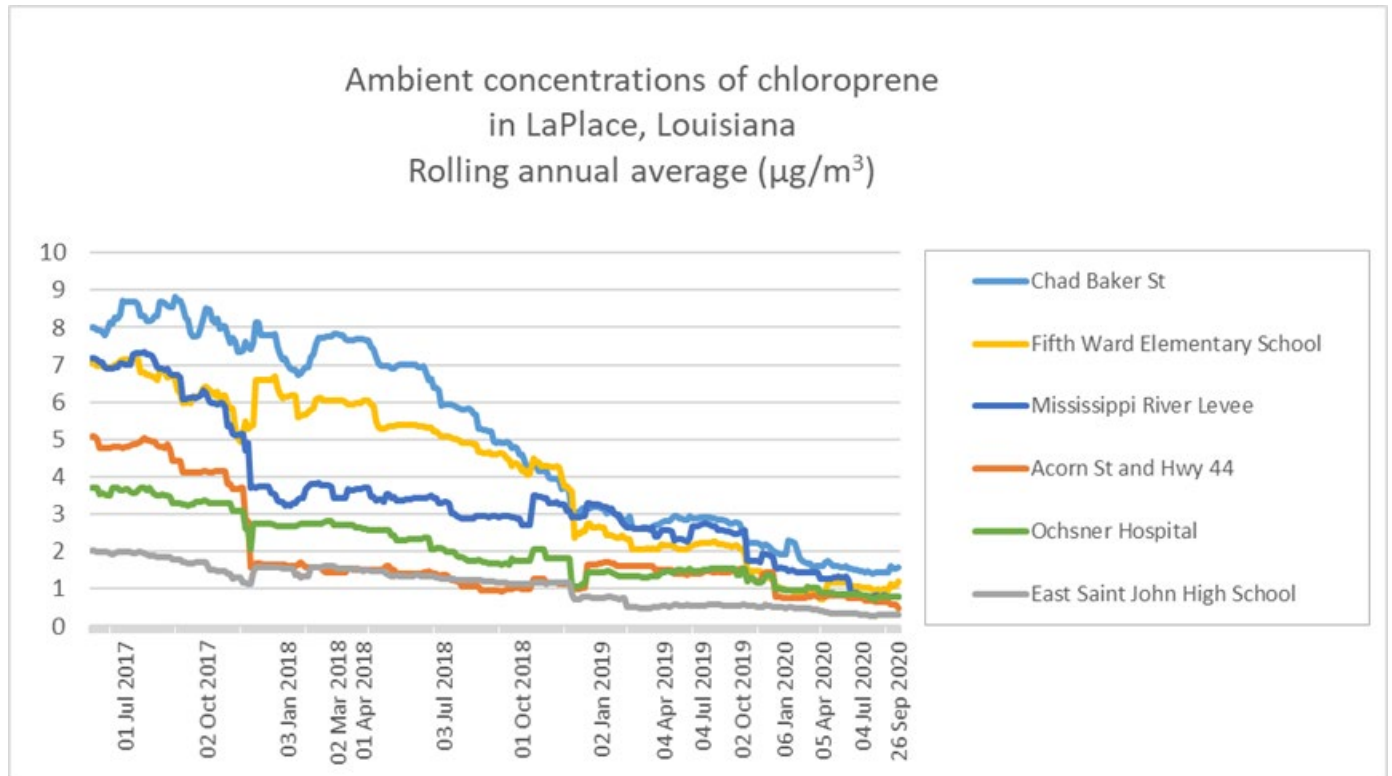
ADDENDUM TO SUMMARY REPORT
Air Monitoring for Chloroprene Concentrations in LaPlace, LA
from May 25, 2016 through September 26, 2020
November 2020

EXECUTIVE SUMMARY

In September 2020, the U.S. Environmental Protection Agency released a summary report of the community air monitoring for chloroprene concentrations in LaPlace, LA from May 25, 2016 through July 16, 2020. This document supplements that report to cover the results through the conclusion of the EPA’s community air sampling on September 26, 2020.

SUPPLEMENTAL DATA SUMMARY *(including data from July 16, 2020 to September 26, 2020)*

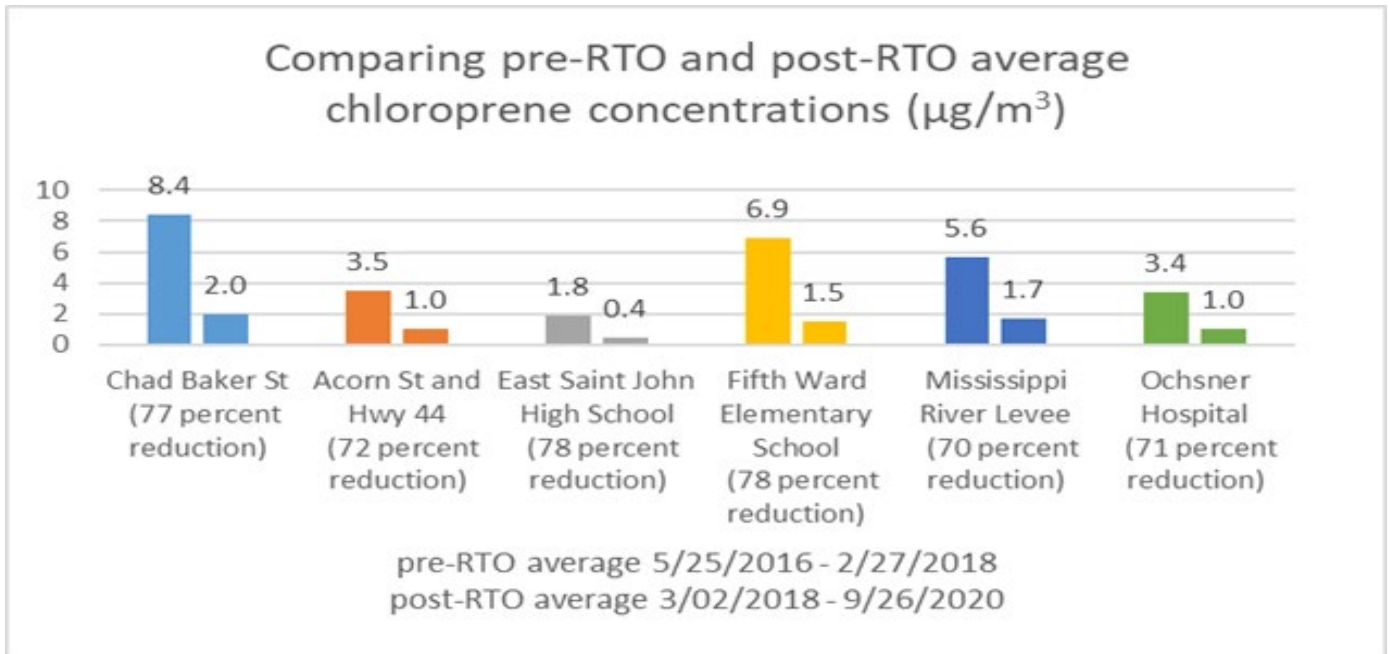
The highest annual rolling averages are in the time period before the implementation of additional emission controls at the facility in March 2018. The rolling annual averages drop consistently at all six air monitoring sites from March 2018 through September 2020.



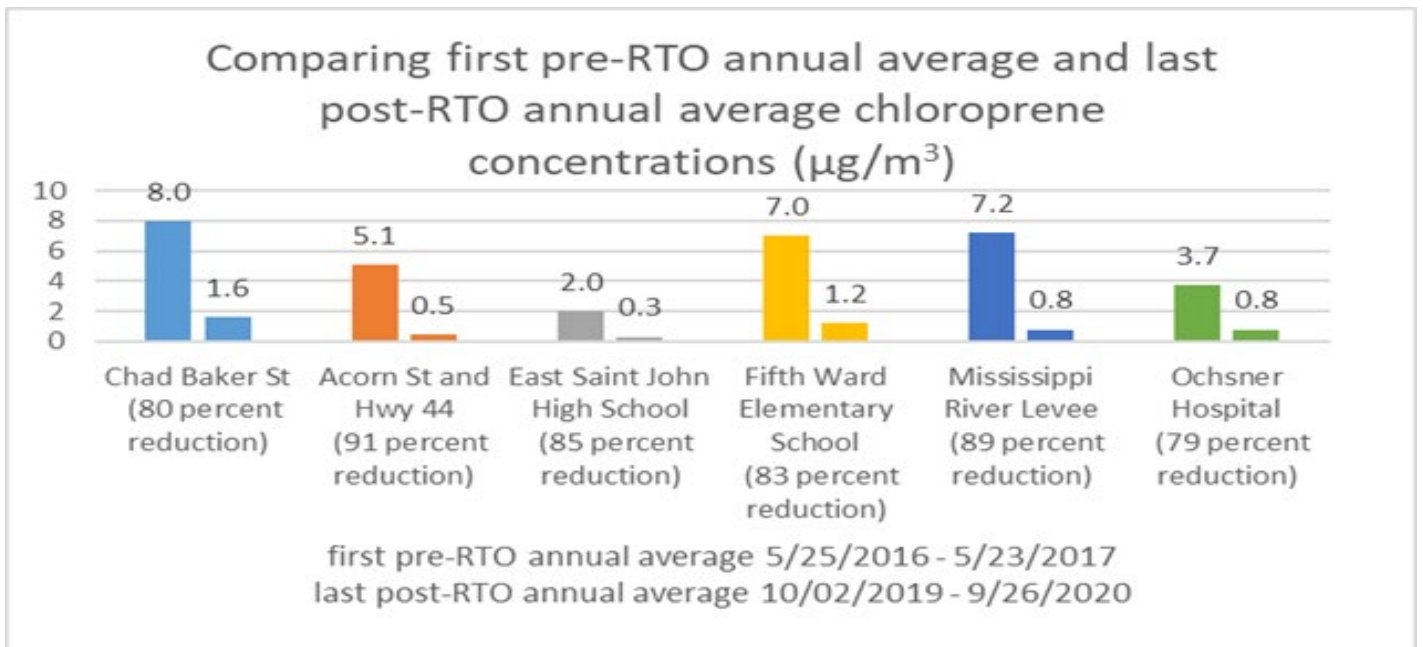
Since March 2018, air sampling results have shown a substantial reduction in chloroprene emissions at all monitoring locations. The last of the chloroprene emission control devices to become fully operational (in March 2018) was a Regenerative Thermal Oxidizer (RTO). The latest annual chloroprene emissions inventory data reported by Denka Performance Elastomer LLC, based on 2019 data, reflect an emission reduction of 85% compared to 2014 emissions inventory data.

To illustrate how the reduction of chloroprene emissions at the facility resulted in lower levels of chloroprene in the air surrounding the facility, the average chloroprene levels detected by the

community air monitors before (pre) and after (post) the full operation of the RTO in March 2018 were compared. As shown in the chart below, there has been a 70% to 78% drop in average chloroprene concentrations at the monitors in the community surrounding the facility.



A comparison of the annual rolling averages in the time periods before (pre) and after (post) full operation of the RTO shows even larger chloroprene concentration decreases of the pre- and post-RTO operation at the EPA community air monitoring site around the facility. The percent average decrease in annual average rolling concentrations at the community monitoring sites ranged from 79% to 91%.



SUMMARY

The figures above update the data through the end of the community air sampling on September 26, 2020. All of the conclusions highlighted in the September 2020 summary report are still

valid. Sample results can be found in the attachment or at this website: <https://www.epa.gov/la/denka-air-monitoring-data-summary>.

Attachment: EPA Community Air Monitoring Data Results May 25, 2016 through September 26, 2020