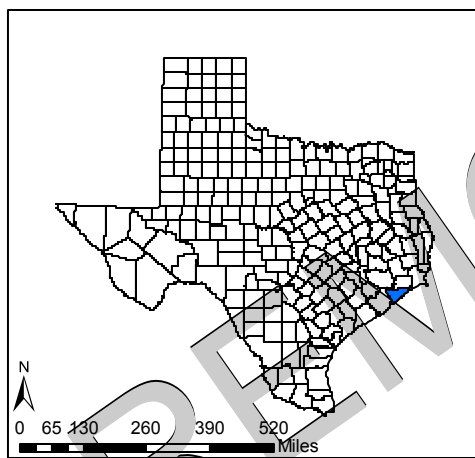
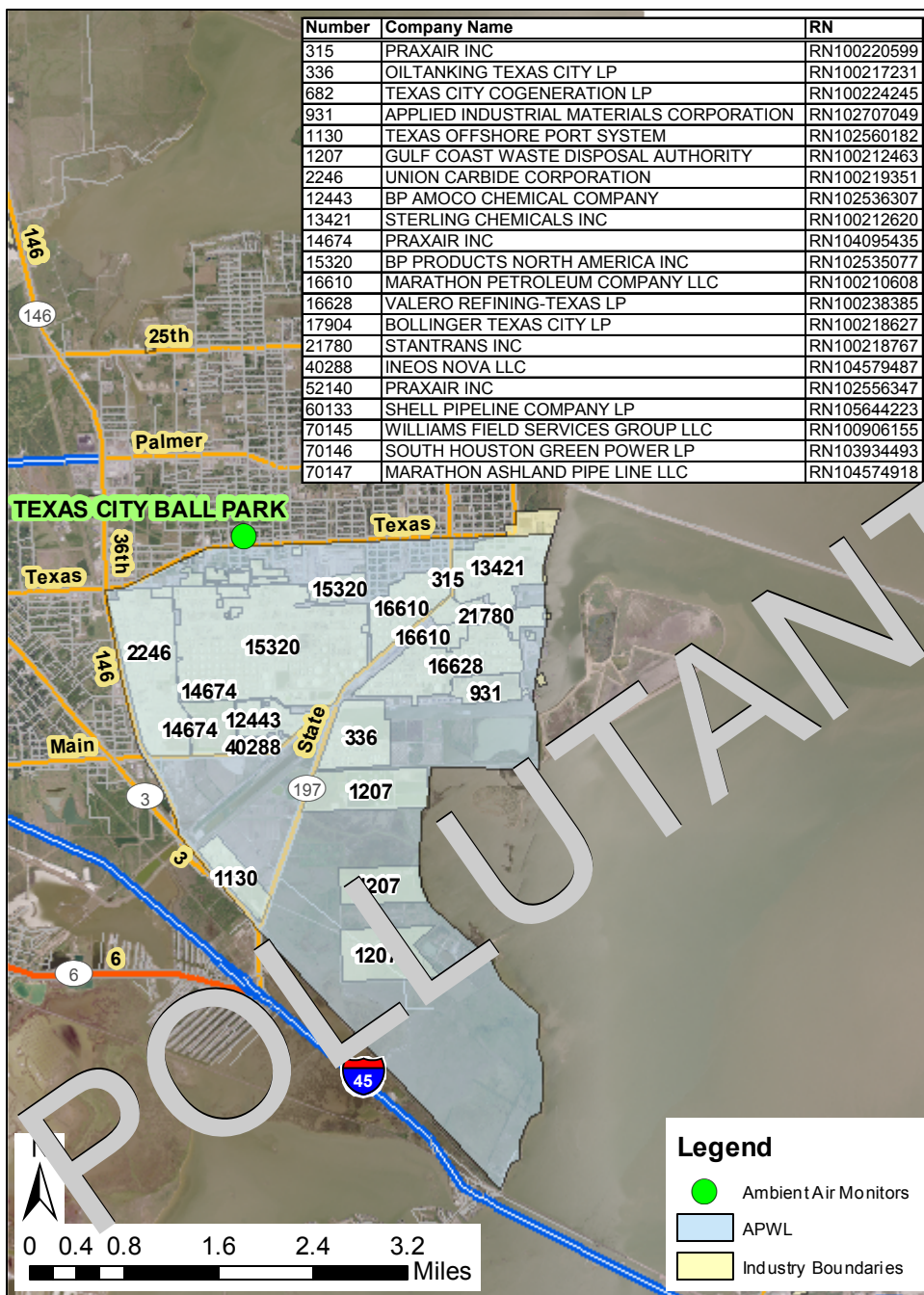



POLLUTANT REMOVED FROM APWL

APWL1202 - Acrolein, Butyraldehyde, and Valeraldehyde
Texas City, Galveston County, Texas

Texas Commission
on Environmental Quality

Map created on June 26, 2009

This map was generated by the Toxicology Division (TD) of the Texas Commission on Environmental Quality. No claims are made to the accuracy or completeness of the data, or to the suitability of the map for a particular use. This APWL area of concern may contain facilities which have not been identified by the TD. For more information regarding this map, please contact the TD at (512)239-1795.

TCEQ Region: 12
 Year Acrolein, Butyraldehyde, and Valeraldehyde Added: 2001
 Year Removed: 2010
 Comments on Removal: None Submitted

Area Boundaries:
 * South of TX Avenue/State Hwy 348
 * East of Hwy 146
 * West of Galveston Bay (West Bay)

Why Remove this Pollutant(s) from the APWL?
Acrolein, Butyraldehyde, and Valeraldehyde
 Concentrations of acrolein, butyraldehyde, and valeraldehyde were detected above the odor-based comparison value during mobile monitoring investigations in 2001. Follow-up mobile monitoring investigations in 2004 and 2008 indicated that concentrations of acrolein and valeraldehyde have remained below the odor-based comparison value since the 2001 investigation. The same mobile monitoring investigations detected a single, 1-hour exceedence of the butyraldehyde odor-based comparison value in both 2004 and 2008. In addition, the Galveston County Health District did not identify any citizen complaints relating to aldehyde odors in the Texas City area in 2008. Due to the apparent decrease in the frequency of exceedences of the odor-based comparison value, coupled with the decrease in odor complaints in the Texas City area, the Toxicology Division has determined that ambient concentrations of acrolein, butyraldehyde, and valeraldehyde are no longer at a level that would be expected to cause odorous conditions.

Annual evaluations may be accessed here:
<http://www.tceq.state.tx.us/implementation/tox/regmemo/AirMain.html>