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

Number | Company Name | RN
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315 | PRAXAIR INC | RN100220699
336 | OIL TANKING TEXAS CITY LP | RN100217231
932 | TEXAS CITY COGENERATION LP | RN100224245
931 | APPLIED INDUSTRIAL MATERIALS CORPORATION | RN102707049
1130 | TEXAS OFFSHORE PORT SYSTEM | RN102560182
1207 | GULF COAST WASTE DISPOSAL AUTHORITY | RN100212463
2246 | UNION CARBIDE CORPORATION | RN100219351
13421 | STERLING CHEMICALS INC | RN102548941
114674 | PRAXAIR INC | RN104995435
13520 | BP PRODUCTS NORTH AMERICA INC | RN102535077
16610 | MARATHON PETROLEUM COMPANY LLC | RN100216068
16628 | VALERO REFINING-Texas LP | RN100238385
17904 | BOLLINGER TEXAS CITY LP | RN100218627
21780 | STANTRANS INC | RN100218767
40288 | INEOS NOVA LLC | RN104579487
52140 | PRAXAIR INC | RN102556347
60133 | SHELL PIPELINE COMPANY LP | RN105644223
9145 | WILLIAMS FIELD SERVICES GROUP LLC | RN102591550
70146 | SOUTH HOUSTON GREEN POWER LP | RN103934493
70147 | MARATHON ASHLAND PIPE LINE LLC | RN104574918

**Texas Commission on Environmental Quality**

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**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?**

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](http://www.tceq.state.tx.us/implementation/tox/regmemo/AirMain.html)