

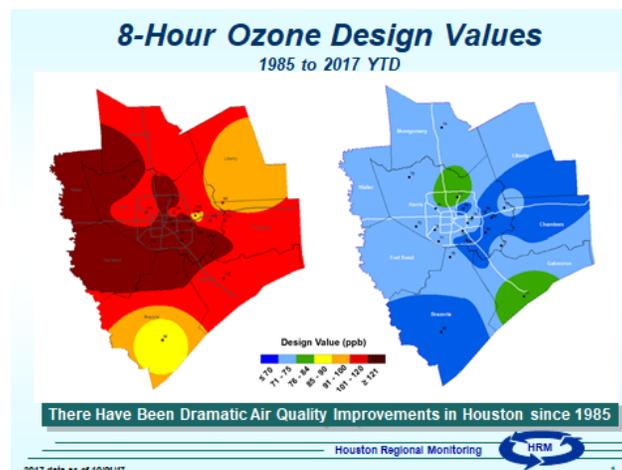


## Deer Park Community Advisory Council

### Summary of November 27, 2017 Meeting

### DPCAC Receives Annual Air Quality Report

A color-coded map of ozone concentrations in the outdoor air in Harris and the seven surrounding counties effectively showed members of the Deer Park Community Advisory Council (DPCAC) how air quality has improved, according to Steve Smith, Chair of the Houston Regional Monitoring (HRM) Technical Advisory Committee. The red areas of the 1985 map show concentrations of the respiratory irritant used to be consistently higher. The 2017 map shows the lower concentrations achieved by reductions in emissions from various sources of nitrogen oxides and volatile organic compounds (VOCs), especially those that are highly reactive.



Smith's graphs showed that the number of ozone exceedance days has declined significantly even as EPA has made the standards stricter; the area has seen growth in population, vehicles, and industry; and the number of ozone air monitoring stations has increased from 19 in 1987 to 51 today. There have been no ozone exceedances year-to-date at the Texas Commission on Environmental Quality monitor in Deer Park at the time of the late-November meeting.

Since 1988, HRM has also tracked a set of four hazardous air pollutants, including benzene and 1, 3-butadiene. Charts show an 85% reduction over the last 29 years. Smith's presentation may be found at [www.deerparkcac.org](http://www.deerparkcac.org)

DPCAC meets again on January 22, 2018. Member plants will present the Annual State of the Plants Report, describing their 2017 achievements and their 2018 goals and plans. An update on the state of the Deer Park Prairie is also scheduled. Visitors are welcome. For an invitation and details about the 6:00 p.m. meeting, contact the DPCAC facilitator at [info@deerparkcac.org](mailto:info@deerparkcac.org).

Visit [www.deerparkcac.org](http://www.deerparkcac.org) to read about recent meeting topics, find links to useful resources on emergency communications and the environment, see lists of DPCAC community and plant members, and read our mission and purposes.

## OTHER ITEMS OF INTEREST

*Each CAC agenda offers time for Updates of various types. On a set schedule, at each meeting, two or three DPCAC plants provide written updates on safety and environmental performance and business news. At any meeting, plants with significant news make verbal reports. Members report on community activities or ask questions related to the CAC. The CAC also makes decisions on organizational matters as needed. Below are a few highlights from the November 2017 updates, covering March or April until October or November.*

*Plants often report injuries or illnesses with the OSHA recordable rate—the rate of injury for 100 workers working one year. A recordable rate of 1.00 is the equivalent of one injury per 100 workers in a year.*

### Evonik Oil Additives

Evonik has had no OSHA recordable illnesses or injuries since October 2014 and no reportable spills or releases or permit exceedances since the last report. They recently held a Fall safety day for all employees.

“Evonik Oil Additives manufactures lubricant additives for blenders of Gear Oil, Automatic Transmission fluids, Grease, Hydraulic Fluids and Engine Oils.”

### Hexion Inc.

Hexion had no spills or releases in this period. They have had one recordable injury in 2017 YTD. The site has not had a contractor recordable injury since 2008.

“Products produced at Deer Park include Bisphenol Acetone (BPA) and various grades of liquid and solid epoxy resin. BPA’s primary use is as a feedstock for epoxy resin and polycarbonate production. Primary uses for epoxy resin include various protective coatings applications in the construction, automotive and electronics industries and as a binder in a wide range of composite applications.”

## The Lubrizol Corporation

Lubrizol found an orphan spill in Patrick Bayou after Harvey. It was believed to have originated upstream from their plant, but they ensured it was promptly cleaned up. The plant has been focusing on prevention of worker injuries and has had 68% fewer recordable injuries year to date compared to the same period last year.

“Lubrizol produces specialty chemicals (lubricant additives) used in motor oils, gear oils, automatic transmission fluids and greases to improve their performance. Our customers include Castrol, Chevron, Citgo, ConocoPhillips, ExxonMobil, Imperial Oil, Mobil, Shell, Total, Valvoline and many, many others. When you go into your local Auto Zone or other auto supply store and look at the many rows of motor oils, automatic transmission fluids, gear oils and greases, our products are in a good many of the bottles.”

## Valvoline, Deer Park

Valvoline has worked one year without an OSHA recordable injury and has not had any reportable spills since the last DPCAC update. They have recently started up a fully automated blending system and have added tanks. They are also refurbishing an inside tank farm and building a new building.

“Valvoline Inc. (NYSE:VVV) is a leading worldwide producer and distributor of premium branded automotive, commercial and industrial lubricants, and automotive chemicals.”

## Vopak Terminal Deer Park

Vopak has had no recordable injuries since the last update. Four spills occurred in that time frame. No issues of non-compliance were found when TCEQ made an unannounced inspection in June using an infrared thermal imaging camera.

“The terminal is a third party storage, import / export, and distribution facility handling the following products: Biofuels, Chemicals, and Petroleum products.”