

# Deer Park Community Advisory Council

## *Brief Description of DPCAC Plants*

9-29-16

---

### Clean Harbors Deer Park

Clean Harbors Deer Park is the largest hazardous waste incinerator in North America. The facility consists for two rotary kilns, Train I and Train II. Clean Harbors utilizes a wet pollution control system to control air emissions. This scrubber system consists of a saturator, packed column, venturi scrubber and a wet electrostatic precipitator. The facility was granted Finding of Compliance from the TCEQ and the USEPA. After treatment, the wastewater generated by plant operations is discharged into the Houston Ship Channel. In addition to the kilns, Clean Harbors also operates a hazardous waste landfill. This landfill is not a commercial landfill and as such it is used solely to dispose of ash and filter cake that is generated onsite.

---

### Delta Companies Group

Delta is a chemical packaging and warehousing facility. DCG receives product via rail and truck and packages the material into drums, IBCs and pails. The product is stored in warehouses (DCG-operated and 3rd party) and distributed domestically and internationally.

---

### Dow Chemical Houston Operations – Deer Park Operations

Dow, formerly Rohm and Haas, has been operating at the Deer Park site since 1948. The primary products produced in the Deer Park plant are: Acrylates, Methacrylates and Primene®. These products are used in a variety of end-use applications including: paints, plastics, disposable diapers, fuel additives and much more. Our plant is 888 acres, and we employ approximately 650 people locally. Our corporate office is in Midland, Michigan, and we have sites around the globe. The primary products produced at Lone Star are water-based emulsions which are used in many products such as paint, adhesives, sealants and paper.

---

### Evonik Oil Additives

Evonik Oil Additives manufactures lubricant additives for blenders of Gear Oil, Automatic Transmission fluids, Grease, Hydraulic Fluids and Engine Oils. The plant is located inside Dow Deer Park Operations on Tidal Road.

---

### **GEO Specialty Chemicals Deer Park Site**

GEO Specialty Chemicals Deer Park Facility is an organic chemical manufacturer of Glycine and DAXAD® products. The Site currently only dries liquid DAXAD manufactured at our Georgia facility. Glycine is the simplest, naturally occurring amino acid. It is used in a variety of applications in the food industry and in pet foods as a flavor enhancer and can mask the bitter aftertaste of saccharin, inhibits the formation of microbes, or add stability to essential vitamin minerals. It also has a variety of pharmaceutical agriculture, and personal care applications. DAXAD® is a Naphthalene Sulfonate dispersant agent used in a number of industries. Uses include concrete mixes, wallboard, rubber industry, leather dyes, paper or paint, and agricultural applications.

---

### **Intercontinental Terminals Company (ITC)**

Intercontinental Terminals Company (ITC) is a for-hire bulk storage facility located on the Houston Ship Channel in Deer Park, Texas. The facility covers 265 acres and has a total storage capacity of over 12,787,600 barrels in 239 storage tanks. The facility is served by vessel, barge, rail, tank truck, and pipeline modes. ITC presently employs 268.

---

### **The Lubrizol Corporation**

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.

---

### **Hexion, Inc.**

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.

---

## Novvi, LLC

Novvi manufactures Group III+ base oils produced from renewable feedstocks which are ultimately used in a wide variety of high performance lubricants. Novvi's products and technology are recognized by the global lubricant market to deliver the best sustainable, high performance solutions in a wide range wide range of lubricant applications. Novvi's trademarked Novaspec base oil and finished lubricants include applications in engine oil, 2 stroke oil, gear lubricants, compressor oil, transmission fluid, hydraulic fluid, grease, transformer oil, heat transfer fluid, marine lubricants...even brass instrument valve and slide oil.

---

## Oxy Vinyls LP

OxyVinyls manufactures polyvinyl chloride (PVC) resins, vinyl chloride monomer (VCM) and its precursor ethylene dichloride (EDC). Based on data from industry trade publications, OxyVinyls is the world's largest VCM producer and the second-largest PVC supplier in the United States. PVC resins are used in a wide variety of products including piping, construction materials (e.g., vinyl siding, windows and doors, fences and decks), medical applications, electrical insulation and automotive products. OxyVinyls also licenses technology for the production of EDC and VCM.

---

## Shell Deer Park

### **Refinery Overview:**

The refinery began operation in 1929 and today is among the largest in the U.S. with a crude oil capacity of 327,000 barrels a day (42 gallons per barrel). It operates as Deer Park Refining Limited Partnership, a 50-50 joint venture formed in 1993 between Shell Oil Company and Petroleos Mexicanos or Pemex. Products made in the refinery are the types most people associate with an oil company, such as gasoline, aviation fuels, furnace oil/diesel fuel, marine fuel and petroleum coke.

### **Chemical Overview:**

The chemical plant started up in the 1940s and has been expanded several times over the years. Very few final "consumer products" are made at the plant. Rather, it manufactures base chemicals or raw material chemicals that are sold to other companies that make them into thousands of consumer products, such as carpeting, paint, plastics, antifreeze, pharmaceuticals, adhesives and ink.

---

## Texas Molecular, L.P.

Texas Molecular LP has 2 businesses at the Deer Park site. TM Deer Park Services, LP (TMDP) is a provider of hazardous waste management services. TMDP provides commercial wastewater services to a variety of industries including chemical manufacturing, petroleum refining, metal galvanizing, landfills, and US Army secondary wastes. TMDP has two Class 1 Hazardous injection wells with Federal EPA No Migration Exemptions. TM Chemicals, LP (TMC) manufactures specialty chemicals for other chemical companies on a tolling or custom manufacturing basis.

---

## Valvoline

Valvoline is a division of Ashland, Inc and is a consumer packaged good type of business. Valvoline blends, packages and distributes lubricants to major retailers, OEMs, independent distributors and warehouse distributors. Valvoline operates 24 hours a day, 5 days a week and has 59 full-time employees and 9 temporary employees. Valvoline brands include Valvoline, Zerex, Eagle One and CarBrite.

---

## Vopak Terminal – Deer Park, Inc.

Vopak is the world's largest provider of conditioned storage facilities for bulk liquids. The terminal is a third party storage, import/ export, distribution facility handling the following products: biofuels, chemicals, petroleum products and vegoils.