

# Deer Park Community Advisory Council

[www.deerparkcac.org](http://www.deerparkcac.org)

## Meeting Notes Monday, January 28, 2019

The 272<sup>nd</sup> meeting of the Deer Park Community Advisory Council was held on Monday, January 28, 2019 at the Republic Grill. Facilitator Diane Sheridan reviewed the agenda, which was accepted as proposed. The November 2018 meeting notes were approved without changes. Food will now be ready starting at 5:30 so that we can get everyone through the line and start the meeting at 6:00 p.m. as intended.

### ATTENDANCE

DPCAC Community Members		DPCAC Plant Members		Guests/Resources	
x	Ruth Boyd	x	Clean Harbors, Bruce Riffel	x	Della Barbato
	Tim Culp		Delta Companies Group, Frank Ingrassia	x	Phillip Barker, Shell Pipeline
x	Ken Donnell	x	Dow Chemical Deer Park, Jeff Garry	x	John Collins
	Bobby Garcia	x	Dow Chemical, Whitney Bolger	x	Chloe Colvin, DPHS Student
x	John Garrett	x	Evonik Oil Additives, Jim Bentinck-Smith	x	Butch Cressman
	Sherry Garrison	x	GEO Specialty Chemicals, Chris Miller rep by Blaine Murphy	x	Tribly Cressman, Evonik
	Tommy Ginn	x	Hexion, Marlene Mercado	x	Beverly Ferguson
	Stephen Harrell	x	Intercontinental Terminals, David Wascome, rep by Karl Kuhn	x	Brooke Hrach, Dow Chemical
	Robert Hemminger	x	Lubrizol, Sarah Arroyo	x	Karen Lewis-Holmes, TCEQ
	Cara Herbeck	x	Lubrizol, Tanya Travis	x	Faith Melcher, DPHS Student
x	Steven Horton	x	Oxy Vinyls Houston Ops, Chris Thomas	x	Doug Moore, Lubrizol
x	Norma Hysler	x	Oxy Vinyls VCM, Claudia O'Rourke	x	Clint Penrose, Oxy Vinyls
x	Bill Irwin	x	Oxy Vinyls PVC/KOH, Craig Horak	x	George Tullgren
	Katherine Mitchum	x	Shell Deer Park, Amanda Accardo	x	Cheyenne Valdez, DPHS Student
	Mike Mitchum		Shell Deer Park Chemical,	x	Wallace Ward
	Jeffrey Parks	x	Shell Deer Park Refining, Thor Nygaard		
	Ariel Pena	x	Texas Molecular, Frank Marine		
x	Vickey Roberts	x	Valvoline, Robert Shelton		
x	Robert Segelquist	x	Vopak Terminal Deer Park, Dave Stephens rep by Anna Piper		
	Andy Smith				
	Charles Thomas		Support Staff		
	David Wade	x	Diane Sheridan, Facilitator		
	Ernest Weedon	x	Anja Borski (Tiffany Miller as Sub)		

## **Annual State of the Plants Report: 2018 Achievements and 2019 Goals and Plans**

*Some plants reported their OSHA recordable injury and illness rate. That rate was calculated by multiplying the number of injuries at the plant in 2018 by 200,000, then dividing by the number of work hours at the plant in 2018. The number 200,000 is used by OSHA to calculate the recordable rate because it is approximately the number of hours 100 people work in a year. A rate of 1.00 means one worker out of 100 workers was injured in the last 12 months.*

*No reports were received from ITC or Delta Companies Group. They have been asked to report at the February meeting.*

**Clean Harbors** Bruce Riffel said their Total Recordable Incident Rate (TRIR) was at 0.59 vs. 0.52 in 2017. There were two recordable injuries. The plant recently added a new shredder designed to shred air bags (related to the Takata airbag recall) and are currently working on a new container storage area designed for oxidizers to further separate them from the rest of the facility. Clean Harbors has been very active in several Household Hazardous Waste Collection Events.

**Dow Deer Park** Jeff Garry said Dow's Houston Hub (sites in Deer Park, La Porte, Bayport and Texas City) had a very good year, having gone almost 1200 days, or 3.5 years, without a Level 1 or Level 2 injury as of the end of 2018. L1 and L2 injuries are what Dow defines as life-threatening or severe injuries that may have a lasting impact on an individual. In 2018, there were two injuries at Deer Park and the 2018 OSHA rate for Dow Deer Park employees and contractors is 0.10. As a result of their safety track record, Dow has been recognized by the Texas Chemical Council with multiple safety awards, including a Caring for Texas award for Dow Deer Park. In total, Dow's Houston Hub sites took home 12 awards for their safety efforts. From a Community Relations aspect, we participated in many volunteer opportunities with Team Rubicon, Habitat for Humanity, and The Nature Conservancy. Dow contributed funds to Deer Park Education Foundation, Girl Scouts of San Jacinto Council, San Jacinto Community College Foundation, San Jacinto Museum of History and more. Dow partnered with San Jacinto College and provided a \$250,000 grant towards their new Petrochemical, Energy & Technology center. In addition, Dow provided many hours of advisory and design through our employees. In 2019, Dow does not have any expansions planned at the Deer Park site. We are actively working on debottlenecking project for one of our key plants, which will be implemented over the next several years. The merger between Dow and DuPont announced in December 2015, completed in 2017 and we are now DowDuPont. Currently the company is working on a separation of DowDuPont into three independent, publicly traded spin-offs. The Deer Park site, along with all of the Houston Hub sites, will be a part of the new material science company which will reassume the name The Dow Chemical Company. This is expected to occur within the next 3-6 months. You can find additional information on the website [www.DowDuPontUnlockingValue.com](http://www.DowDuPontUnlockingValue.com).

**Evonik** Trilby Cressman said Evonik had a great year, with no OSHA recordable illness/injuries, and no lost-time injuries for approximately 4 years. The site has been cross training all operators on the three processes at the facility to enhance operational flexibility. In addition, Evonik is working to bring new product lines to the site. Evonik is active with the LEPC and DPHS Honors Banquet.

**GEO Specialty Chemicals, Inc.** Blaine Murphy said Geo Specialty Chemicals had one OSHA recordable injury in 2018. An operator was treated for chemical exposure, admitted for overnight observation and released next day with no restrictions. The 2018 Total Injury Frequency Rate (TIFR) was 1.17. TCEQ renewed the site's water quality permit and the site's air quality permit was amended to authorize the restart of the naphthalene sulfonate (DAXAD) Process Unit. The company has a zero injury and zero spill, release and violation goal for 2019. Another year of double-digit growth is expected for the Polyaluminum Chloride process and it is anticipated that the site will exceed 2018's production output for glycine. The restart of the DAXAD line (dispersing agents for concrete products) will occur during 2019,

with an undetermined number of positions to be added. Community outreach included food drives and involvement in youth baseball and basketball leagues.

**Hexion** Marlene Mercado reported that Hexion had two recordable associate injuries and two recordable contractor injuries in 2018. An associate received prescription pain medication for chemical burns. One associate suffered a knee injury while moving hose; a hairline fracture on a fingertip occurred when a finger was caught in the door of a vehicle. The contractor injuries were a cut to the leg and chemical exposure. The site's resident mechanical contractor, Turner Industries, reached a milestone of 11 years injury free in May 2018. There were no process safety events or spills above recordable quantity in 2018. TCEQ conducted a number of compliance investigations during this time period:

- In May, their file review noted 3 alleged violations with no further action required (period covered 4/1/2016 through 3/31/2017)
- In October, they conducted a file review for the same period for the period from 4/1/2017 through 3/31/2018. Data was provided to the state for their review, but the results of the audit are not yet available.
- Also in October, they conducted a routine site investigation for the site's second Title V permit for the period from 4/1/2017 through 3/31/2018. Data was provided to the state for their review, but the results of the inspection are not yet available.

In 2018, Hexion finalized contract negotiations with the United Steel Workers union and the new contract will be in place for four years. The site achieved ISO9001:2015 certification in May 2018. Community outreach activities include: San Jacinto Monument and Battle Reenactment sponsor and employee picnic, Deer Park Education Foundation "Strides for Schools" Fun Run and Deer Park High School Academic Honors Dinner. Production volumes are expected to be normal for 2019.

**Lubrizol** Tanya Travis said Lubrizol had a good year, with a 30% reduction in their TRIR from 2017. They completed 1,800 man-hours in training on an updated Lockout/Tagout program and conducted training for all employees on safety culture (Ensuring the Future classes). The site completed expansions of two units and a large electrical shut down and start up with no recordable injuries. Lubrizol saw a 48% reduction in generation of non-conforming material through their continuous improvement efforts and saw a 41% increase in capability through non-capital continuous improvement efforts. In 2019, Lubrizol plans to focus their efforts on transformation of safety culture, operational discipline-practices match procedures and continuous improvement to support securing future growth. They will continue to move forward with RC14001 (Responsible Care) implementation, as well as reducing waste streams. A new polymer unit is expected to start up in the second quarter of 2019 and a rebuild of maintenance facilities and equipment stores on the East side of the property is slated for mid-2019. Lubrizol expects this will increase traffic across Tidal Road and they are looking at ways to do that safely. Overall business is strong, despite challenges including slightly reduced volumes. Lubrizol continues to hire as needed for replacements due to attrition and to support product expansions.

**OxyVinyls** Craig Horak discussed the performance of the PVC plant and Claudia O'Rourke spoke about the VCM plant. Horak said that the PVC plant received VPP recertification and was awarded various industry group safety awards for their performance. In 2018, the site had 2 reportable environmental incidents and 1 recordable injury. Their goal for 2019 is to return to zero environmental incidents and zero recordables. The business outlook for 2019 is stable and the Houston Hub (5 sites) is looking to hire 30 more employees. The PVC plant will be doing their 5-year turnaround toward the end of 2019. In 2018, the VCM plant achieved six years without a recordable injury and was awarded various safety awards. The site had three environmental releases last year. O'Rourke said that they were training their maintenance staff on additional safety issues. Community outreach participation includes: job fairs, Women in Industry Forum, scholarships, communications of incidents, etc.

**Shell Deer Park** Amanda Accardo and Thor Nygaard spoke about Shell's 2018 Accomplishments and 2019 Goals. Shell Deer Park finished 2018 with a TRIR of 1.67 based on a total of 8.4 million exposure hours at the site. On the hiring front, they brought in 69 new hires: one P-Tech operator class of 20 and two experienced hire classes totaling 49 new team members. One of the units that makes Phenol and Acetone was idled in February and the unit operators and craft were redeployed to other areas of the plant. The site focused on and improved response and interaction with Local Emergency Planning Committee. The Olefins Flare Gas Recovery System started up in December 2018 and a reduction of at least 50% in emissions from Olefins routine flaring is expected from this project. The site had a reduction in the number of reportable emissions events from 2017. Negotiations are underway with the United Steelworkers on a new labor contract and the goal is to reach a mutually satisfactory agreement with USW. In 2019, the site has already had an outage at our Olefins Plant and Cat Cracker unit and in September they will begin their Big Block turnaround. This is the largest turnaround event in Shell and one of the largest in the Industry. The site will prepare for the changes in Marine Oil Fuel specifications that come into effect at the beginning of 2020. They expect to have three hiring classes – targeting 25 each: one for maintenance and two experienced operator classes. This year the site celebrates their 90<sup>th</sup> anniversary with a few new activations in community – in particular, double matching registrations for the Strides for Schools Fun Run, hosting a “history” ice cream social in the Shell City area, launching a community grants program, and volunteer days at the Big Energy exhibit which runs through 2019 at the San Jacinto Monument. Ways we engage the community about what we do:

- Face-to-face at various community meetings: DPCAC, Rotary, LEPC, Economic Alliance, Chamber board meetings, annual stakeholder meeting, new in 2019: ice cream social
- On social media: Facebook and Twitter @ShellDeerPark has included operational information, CAER messaging, various videos about our business, other community updates
- Face-to-Face at community events: Strides for Schools Fun Run, Deer Park 125<sup>th</sup> Anniversary, San Jacinto Festival
- Via the Big Energy exhibit at the San Jacinto Monument

**TM Deer Park Services (Texas Molecular)** Frank Marine reported that the site has now achieved 4377 days without a lost time incident. The current Total Recordable Incident Rate (TRIR) is 2.075, the Experience Modification Rate (EMR) is 0.68 and the TCEQ Compliance Rating is 0.12. TM engages with the Deer Park community by participating in the DPCAC as well as the DP Local Emergency Planning Committee (LEPC). They have hosted tours of the facility for both Deer Park City Management as well as for DPCAC members. TM had successful annual mechanical integrity tests (MITs) on both of their injection wells in January, 2018 as well as January, 2019. They commenced injection in their 3<sup>rd</sup> well on 12/7/18. TMDP business has experienced growth in 2018. Marine expects stable employment and moderate growth in 2019.

**Valvoline Deer Park** Robert Shelton said Valvoline had a solid year in 2018, with no environmental permit violations or reportable spills. The site completed 2 years without a recordable injury in November 2018. Shelton shared that the site is working to improve sustainability and recycling and exploring options to become a “zero landfill” facility. Valvoline Deer Park will continue to strive for zero recordable injuries, and to promote safety through Near Miss reporting and Root Cause analysis. They had 108 Near Miss reports in 2018, leading to good information sharing for hazard reduction. The site's new packaging line (bag in a box) is slated for completion in February and the fourth tank farm is expected to be operational during the 2<sup>nd</sup> quarter 2019. Community outreach includes participation in High School Science Fairs, Toy Drives, etc.

**Vopak Deer Park** Anna Piper said Vopak had a Combined Total Injury Rate (TIR) for employees and contractors of 0.18 in 2018. Their Process Safety Event Rate (PSER) also went down, from 0.23 in 2017 to 0.18 in 2018. The site amassed over 1 million total man hours worked. Vopak had one Tier 2 spill of caustic/sodium hydroxide when a leak formed in a line being cleared back to the tank; no off-site

consequence to the spill. The site received storm water and wastewater discharge permit renewals from TCEQ and secured a revised air emissions permit related to the recently completed 10-tank facility expansion project. Two of the tanks are currently in use, with the rest slated to become operational in the 1<sup>st</sup> Quarter 2019. Piper briefly described the “Trust and Verify” program that focuses on safety to reduce injuries and incidents. The site is active with LEPC, CIMA, EHCMA, Deer Park Schools and bringing students to visit the site.

## **DPCAC- Mission, Purposes and Current Outreach**

Diane Sheridan presented information on the mission, purposes/objectives and previous/current outreach activities for the DPCAC. Slides are attached. Small group discussion questions included:

- What more can DPCAC do to make the community aware of who we are and what we do and the industry topics we address?
- What more could plants themselves do to make the community more aware of what they make and do, their activities such as emissions, flaring, CAER messages, etc. and their good deeds in the community?

## **Updates**

**Question of the Month:** None presented.

### **Level 3 (Warning) or Level 2 (Watch) Incidents**

None.

### **Written Facility Updates:**

- **Vopak** Anna Piper reported on three spill incidents where approximately 1 gallon of lube oil, 5 gallons of base oil and 10 gallons of synthetic lube oil entered into the Houston Ship Channel. The spills were properly cleaned up by a third-party contractor. Vopak has been granted storm water and wastewater discharge permit renewals from TCEQ, as well as a revised air emissions permit related to the site’s recent expansion. Piper stated that there were no recordable injuries during the recording period.
- **Evonik** Trilby Cressman reported that the site has not had any OSHA recordable illnesses or injuries since October 2014. There were no reportable spills or permit exceedances since their last report. The site completed a 2.5-week turnaround in October, which involved 15 confined space entries, and had no contractor recordable incidents.
- **Valvoline** Robert Shelton shared that the site completed 2 years without a recordable injury in November 2018 and had no reportable spills during this reporting period. The installation of a 4<sup>th</sup> tank farm consisting of 9 blend tanks is scheduled for an April 2019 completion date.

### **Ozone Exceedance Days**

TCEQ’s Karen Lewis-Holmes reported that there were no additional ozone exceedances since the last meeting. The 2018 totals are 35 8-hour 71ppb ozone exceedance days in Houston for the year, and eight 8-hour 71ppb exceedances in Deer Park. There were four 1-hour, 125ppb exceedances in the Houston region (one each in July and August, two in September, none of these in Deer Park).

## **Other Updates:**

### **Request for help from DPCAC Plants**

Steve Horton made a request of DPCAC plants to help with the following high school outreach opportunity. At this time, we need speakers for Mr. Rios' Principles of Engineering classes and Mr. Nixon's Career Preparation classes on Thursday, February 28 at Deer Park High School South Campus. Our DPCAC plant representatives can review and sign up their respective employees for the event on the PetroChemWorks calendar at <http://gulfoastworkforceeventscalendar.org>.

### **Native Prairie at Deer Park**

Della Barbato shared that the Native Prairie at Deer Park was in the planning stages for a 'meet and greet' for a week night in March. She will let the group know when the plans were set.

### **Texas Coastal Study (Coastal Spine)**

The public comment period for input on the Texas Coastal Study has been extended to Feb. 8. If you are interested in proposals and evaluations of options for dealing with hurricane surge, now is the time to review proposals and make comments. Visit <http://coastalstudy.texas.gov/> for further information.

### **DPCAC Updates**

Diane Sheridan thanked Amanda Accardo and Phillip Barker for hosting and arranging the tour of the Shell Pipeline control center and Shell's Woodcreek campus for DPCAC members during December 2018

## **Plans for Future Meetings**

Unless otherwise indicated, meetings are held at the Republic Grill. Food service begins at 5:30 and business at 6:00. We adjourn no later than 8:30.

### **Monday, February 25, Health Impacts of Living in Industrialized Areas like Deer Park**

- Dr. Victor Simms, Managing Physician and Chief of Internal Medicine at the Kelsey-Seybold Pasadena Clinic, will present information about health impacts (such as asthma, cancer, or other illnesses) of living in industrialized areas like Deer Park.
- Statistics about the leading causes of illness and death in Deer Park as compared to the entire State of Texas will be requested from the Texas Department of State Health Services.

### **Tuesday, March 5 – Joint Meeting of CACs/CIP, CAPs -- Consequences of Regulatory Changes on the Economy and the Environment.**

- Elections, such as those in 2016 and 2018, often bring changes to environmental regulation and the economy. Speakers will provide government, environmental/public interest, and industry perspectives on recent and expected impacts, both positive and negative.
- Panel of speakers from Austin:
  - Michael Honeycutt, Ph.D., Chief of Texas Commission on Environmental Quality Toxicology Division and Chair of US Environmental Protection Agency Science Advisory Board
  - Elena Craft, Ph.D., Senior Scientist, Environmental Defense Fund, Austin
  - Texas Chemical Council

**Monday, March 25– Houston Area Safety Council Tour – meet at HASC**

- Box lunches ready at 5:30. Meeting starts at 6:00p. Adjourns no later than 8:30p
- A representative from the Houston Area Safety Council (HASC) will provide an overview of the Houston Area Safety Council facility, purpose and reach.
- Attendees will then tour HASC training, testing, and medical facilities, and view craft training demonstrations such as virtual reality welding and rigging.

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**Dates for 2019 – all Mondays**

Jan. 28

Feb. 25

Mar. 25

Apr. TBD

June 3 (delayed due to Memorial Day)

No end of June meeting

No July meeting

Aug. 26

Sept. 23

Oct. 28

December 2 (delayed due to Thanksgiving Week)

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**Deer Park Community Advisory Council**  
**Input on Outreach to Community by Industry and DPCAC**

January 28, 2019

What more can DPCAC do to make the community aware of

1. Who we are and what we do?

- Links from City Websites to DPCAC
- Links from Company Facebook pages
- Social Media- build awareness (2)
- Social Media-For instance Deer Park Talk Facebook page
- Facebook page
- Next door App (2)
- New community member packet add info/Next Door?
- Engage Rotary, Chamber of Commerce (App Ad space, Ad space, newsletter)
- Rotary Club
- Chamber Activities
- Agenda on website
- Tie into Petrochemworks speakers bureau
- David Berrier, CTE
- A booth at the Fun Run
- For Community PowerPoint picture/graphs
- Mailer in water bill?
- Email to group when web articles are posted
- Can we get a City Person other than Hemminger?
- More open membership rules

2. The industry topics we address?

- Post on website
- Post on community boards-Starbucks, Golf Gift Shop, etc.
- Information flyer at DP Library, Maxwell Adult Center in DP
- Flyers can be hung in plant break rooms to inform workers who live in town (also union halls)
- Advertise the special topics each month
- Ad in Broadcaster
- Meal
- PTO
- Social Media-monthly summary, plant events (flaring, traffic, etc.)
- Potential cross contamination with EHCMA, LEPC, etc.
- Learn from other industry groups in the region

What more could plants themselves do to make the community more aware

1. of what they make and do

- More outreach in High Schools
- Going into classrooms
- Going to events and showcasing products (with prize wheel)
- Career Fairs
- Social-ice cream/events
- Social Media- open page and closed Facebook group
- Posting to Deer Park Talk page
- Town Newsletter



- Provide Site Tours
  - Plant Open House-green area
  - Video outside
  - Sounds complete per reports
2. their activities such as emissions, flaring, CAER messages, etc.
    - coded for road impact?
    - Deer Park TV Channel
    - Social Media- open page and closed Facebook group
    - Need to have forum to answer questions by the community
    - Social Media posting
    - Website alerts/notifications of turnarounds, road closures, etc.
  3. their good deeds in the community.
    - Deer Park TV Channel
    - Social Media- open page and closed Facebook group
    - Host more students
    - Local media (print) outreach

Are our mission and purposes/objectives still appropriate, or do we need to revise them?

5 Still appropriate      0 need to revise

Anything else about anything else?

- Tonight's meal: veggie and bread very good, casserole not so good
- Do not have anything else on agenda when do State of Plants Update.