

MEETING NOTES

PASADENA CITIZENS' ADVISORY COUNCIL

www.pasadenacac.org

Tuesday, October 22, 2019

First United Methodist Church- The Center

The 269th meeting of the Pasadena Citizens' Advisory Council (PCAC) was held on Tuesday, October 22, 2019 at First United Methodist Church, 1062 Fairmont Parkway. The meeting notes from September 24, 2019 were approved without change. The meeting ground-rules were reviewed and accepted. Facilitator Diane Sheridan reviewed the agenda, which was accepted as proposed.

ATTENDEES *italicized*

PCAC Members

Ruth Askine
Diane Barnes, CTHS
Charles Beckman
Frank Bengochea
Selina Bellar
Raul Camarillo, Jr.
Emilio Carmona
Monica De La Portilla
Tammy De Los Santos
Albert Gonzales
Rick Guerrero
Ken Jackson
Mike Jackson
Luz Locke
Loretta McCarthy
Royce Measures
Lou Ann Nolan
Ellis Orozco
Ernesto Paredes
Margie Pena
Dominick Rezza
Giovanna Searcy
Leon Searcy

Richard Sims
Sue Sims
John Suarez, San Jacinto College
Joe Valdivia
Fred Welch, Economic Alliance Port
Houston
Christina Womack, Chamber of
Commerce
Jack Womack

Support

Diane Sheridan, Facilitator
Tiffany Miller, Secretary

Observers or Resources

Maria Bolanos, Harris Co. Pct.2
Frank Borrego
John Collins
Lisa Gossett, UHCL
Ninfa Herrera, City of Pasadena
Ryanne Jaroudi
Sami Jaroudi
Yesenia Moreno
Emily Morris
Michelle Partin

Brenda Pritchard, City of Pasadena

Dana Reed
Rony Reyes
David Wade, HCOHSEM
San Jacinto College Students
DeeAnn Citterman
Phoebe Cortez
Quincy Howard
Rene Laurin
Norbey Orrego
Mario Patino
Alan Valdez
Wendi Sandell

CAC Plant Members

Afton Chemical, Lisa Trowbridge for
Hari Sundaram
Air Products, Chris Shuemaker, Sonia
Mulayath
Albemarle, Doug Thompson for Lisa
Frugé
BASF, Wendel Langley, Mike McGee
Chevron Phillips, Chad Jennings,
Michelle Pritchard

Chevron Refinery, Rebecca Froedge
for Mark Berlinger, Bill Stephens
Enterprise Products, Lauren
Grosskreuz, Heather Makarczyk
Ethyl, Lisa Trowbridge for Antonio
Salinas
Evonik, _____
Gulf Coast Authority, Phyllis Frank,
Brad Peck
INEOS Phenol, Ana Partin for Amy
Narvaez
Intercontinental Terminals, _____
KM Export Terminal, David Koetter
KM Liquids Terminal, Dayu Zhang for
Marlin Collins/Alex Rendon
LyondellBasell Refinery, Roel Munoz
for Bill Clyburn
OxyVinyls, Scott Halbrooks, Michael
Shirey
PCI Nitrogen, Scott Burkett, Kyle
Arnott
Sekisui, Jenna Timtiman for Jeff
Thompson

Annual Report of Air Emissions from PCAC Plants

Heather Markarczyk of Enterprise Products presented the annual report on PCAC plant air emissions. (PCAC plants rotate serving as the presenter.) The annual report derives its data from two annual inventories: the Air Emissions Inventory (EI), which plants submit to the TCEQ, and the Toxics Release Inventory (TRI), which plants submit to the EPA. The presentation is posted on the Member page of www.pasadenacac.org. Highlights of the 2018 data on emissions follow, on page 2. The report compared NOx and VOC emissions at PCAC plants to those reported in the Air Emissions Inventory in Harris County and in Texas overall. For this comparison, data from 2017 are the most current. In 2017, 0.7% of the state's NOx emissions came from PCAC plants; and 11% of the county's NOx emissions did so. In 2017, 3% of the state's VOC emissions came from PCAC plants, and 19% of the county's VOC emissions inventory did so. Small group discussion is attached to the end of these notes.

HIGHLIGHTS OF 2018 DATA ON EMISSIONS

Full Emissions Inventory by Cause	Pounds in 2018	Compared to 2017
Routine Permitted Emissions	15,617,368	4%
Maintenance Emissions	35,329	-91%
Upset Emissions	1,003,150	60%
Emissions Inventory of Selected Criteria Air Pollutants	Pounds in 2018	Compared to 2017
NOx – nitrogen oxides	3,311,697	12%
All VOCs – volatile organic compounds	5,829,099	7%
— Portion of pounds that are highly reactive (HRVOCs)	271,921	-14%
SOx – sulfur oxides	3,877,319	-3%
CO – carbon monoxide	2,040,831	13%
TSP – total suspended particulates	939,871	17%
PM 2.5- TSPs less than 2.5 micrometers in diameter	766,366	23%
Toxics Release Inventory (TRI)		
Total releases to the air	1,496,432	75%
Portion from fugitive air sources	302,016	-6%
Portion from point air sources	1,194,416	124%
TRI total air releases from 1995 – 2018	4,732,013 in 1995	1,496,432 lbs. in 2018 down 68%
	In 2018	The year before...
Number of Pasadena CAC Plants *	18	18
Plants reporting TRI	14	14
Plants reporting air emissions inventory	17	17
Plants reporting Highly Reactive VOCs	8	8
<i>*PCAC has 18 plant members in October 2019.</i>		

Green = decreased from 2017 to 2018 - Red = increased from 2017 to 2018

HOST PLANT INTRODUCTION AND SAFETY MOMENT: Gulf Coast Authority (GCA)

Safety Moment: Brad Peck, shared information regarding stoplight safety.

Plant Intro: Phyllis Frank, Plant Manager for GCA, explained that the Authority is a governmental entity created by the Texas legislature in 1969 with the broad charge to protect the waters of the state of Texas. GCA has the authority to own and operate regional industrial and municipal wastewater treatment plants, water systems and solid waste facilities statewide and also has the authority to issue bonds for a variety of projects. GCA's primary focus since inception has been regional industrial wastewater treatment serving the petrochemical industry. Frank described the process by which industrial wastewater is treated and discharged.

FACILITY UPDATE SUMMARY

Acronym List on PCAC website

Plant representatives reviewed highlights of the written reports projected on the screen, and they responded to questions. Members may obtain a set of updates from the facilitator, Diane Sheridan, dbsfacilitator@gmail.com, 281-326-5253.

In a Nutshell :

Updates were received from all 18 plants

3 had reportable environmental incidents (3 at Chevron Pasadena Refinery, 1 each at LyondellBasell Refinery, Sekisui)

2 had OSHA recordable injuries (1 each at Albemarle and Chevron Phillips)

14 had neither environmental nor safety incidents

15 plants had no environmental incidents:

- | | | |
|------------------------|-----------------------------------|------------------------------------|
| 1. Afton Chemical | 7. Ethyl | 13. Kinder Morgan Liquids Terminal |
| 2. Air Products | 8. Evonik | 14. Oxy Vinyls |
| 3. Albemarle | 9. Gulf Coast Authority | 15. PCI Nitrogen |
| 4. BASF | 10. INEOS Phenol | |
| 5. Chevron Phillips | 11. Intercontinental Terminals | |
| 6. Enterprise Products | 12. Kinder Morgan Export Terminal | |

16 plants had no safety incidents:

- | | | |
|------------------------------|------------------------------------|-------------------------------------|
| 1. Afton Chemical | 7. Evonik | 13. LyondellBasell Houston Refinery |
| 2. Air Products | 8. Gulf Coast Authority | 14. Oxy Vinyls |
| 3. BASF | 9. INEOS Phenol | 15. PCI Nitrogen |
| 4. Chevron Pasadena Refinery | 10. Intercontinental Terminals | 16. Sekisui |
| 5. Enterprise Products | 11. Kinder Morgan Export Terminal | |
| 6. Ethyl | 12. Kinder Morgan Liquids Terminal | |

FUTURE PCAC MEETINGS

Meetings are from 6:00 – 8:30 p.m. unless otherwise indicated

Thursday, December 5, 2019 – Tour of San Jacinto College Center for Petrochem, Energy, and Technology

Diane Sheridan reminded the group that the next meeting will be a tour of San Jacinto College Center for Petrochem, Energy, and Technology on December 5 and that the PCAC does **not** meet in late December. We will meet at the college, with dinner at 5:30 p.m. and a CPET overview and tour starting at 6:00 p.m. Members are welcome to bring guests if they RSVP them.

DATES FOR 2019

Tues. Jan. 22
Tues. Feb. 26
Thurs. Mar. 28
Tues. Apr. 23

Tues. May 28
No June or July meetings
Thurs. Aug. 22
Tues. Sept. 24

Tues. Oct. 22
Thurs. Dec. 5 (delayed due to Thanksgiving)
No December meetings

DATES FOR 2020

Tues. Jan. 28
Tues. Feb. 25
Thurs. Mar. 26
Tues. Apr. 28

Tues. May 26
No June or July meetings
Thurs. Aug. 27
Tues. Sept. 22

Tues. Oct. 27
Thurs. Dec. 3 (delayed due to Thanksgiving)
No December meetings

Small Group Input on Annual Air Emissions Report

10-22-19

Emissions went up in many categories this year. Your reactions??

- This is expected because most of us are affected by Harvey and had turnarounds. So when we got back to normal, emissions increased.
- Weather events can have a significant impact
- Would have been bad if not accompanied with explanation why? i.e. Pasadena Refining only operated $\frac{3}{4}$ of 2017 vs. full rates 2018. Checking data frequently helps identify issues as they can be resolved.
- Explanations were reasonable
- Interesting information, maybe should consider previous year if you have an event like Harvey

Did the Orientation Packet work for those of you new to the report?

- Orientation packet was helpful
- Yes, it is helpful to have a physical copy of the orientation
- Everyone agreed it was valuable
- Did a good job with this.
- Some were appreciative of this step
- Comments- it was well done
- Yes, great information. Helps with community and visitors new to the process.
- The orientation packet helps. Great idea
- We should have a longer list of acronyms- not in the packet on our table.

How can we improve the emissions report and its presentation? The report includes the slides, the Highlights sheet, the handout with plant -specific info, and the orientation packet.

- Might be helpful is unit emissions could be reported per unit uptime
- Make same form as Galena Park
- Note- tracking since 1995 was mentioned. Some advantage in seeing the long-term trends. Some advantage in looking at recent changes, in order to see if improvements are continuing
- It has gotten better; no suggestions
- It was well received
- It was great

Anything about anything else?

- What CAC/LEPC does the Enterprise Tank farm off of Beltway 8 (between Hwy 3 and I45) belong to?
- Not really, liked the abbreviated version of the EI