



Deer Park Community Advisory Council

Monday, September 23, 2024

Annual Report on DPCAC Emissions

Daysha O’Pry of Shell Deer Park Chemicals presented the Emissions Report, which covers the main reasons for change from 2022-2023, analysis of the EPA Toxics Release Inventory (TRI) and the TCEQ Air Emissions Inventory (EI), comparisons with Harris County and the State of Texas, and resources for those wanting more information. The Air Emissions Inventory is the collection and evaluation of criteria pollutants, which include total suspended particulates, sulfur oxides, carbon monoxide, and the ozone precursors volatile organic compounds (VOCs) and nitrogen oxides. The information is submitted to the TCEQ. The Toxics Release Inventory (TRI) is submitted to the EPA and tracks the management of certain toxic chemicals that may pose a threat to human health and the environment. Highlights from the Emissions Inventory and TRI are as follows. The full presentation includes explanations from each reporting plant for significant increases or decreases from 2022 to 2023. All CAC plants that must file one or both inventories provided data for the report with the exception of ITC.

Air Emissions Inventory of Criteria Pollutants	Increase or Reduction from 2019-2023	Increase or Reduction from 2022-2023
Total Criteria Pollutant Emissions	+4%	-5%
NOx – nitrogen oxides	-13%	-13%
VOCs – volatile organic compounds	+6%	+5%
SOx – sulfur oxides	-7%	-24%
CO – carbon monoxide	+14%	+15%
TSP – total suspended particulates	+8%	+2%
Toxics Release Inventory (TRI)	Increase or Reduction from 2019-2023	Increase or Reduction from 2022-2023
Total releases to the air	+7%	+0.2%
Benzene	-22%	-3%
1,3-Butadiene	+64%	+71%

Visitors are invited to attend DPCAC's meeting on October 28th, where we will conduct Program Planning for 2025 Meeting Topics. For an invitation, contact info@deerparkcac.org.

Read about DPCAC meetings and see summaries of our most recent presentations at www.deerparkcac.org.