Plain Language Summary for New Source Review (NSR) Renewal Amendment Application for Air New Source Review Permit Number 48912

The following summary is provided for this pending air permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 Texas Administrative Code Chapter 39. The information provided in this summary may change during the technical review of the application and are not federal enforceable representations of the permit application.

Shell Chemical LP (CN601405145) has submitted an application for renewal of, and amendment to, permit number 48912. The Deer Park Chemical Plant (RN100211879) produces/manufactures base chemicals or raw material chemicals at 5900 Hwy 225, Deer Park, Harris County.

This renewal will authorize the continued operation of the South Effluent Treatment (SET) Plant which treats wastewater generated at the Shell Deer Park Chemical Plant as well as nearby industrial facilities. The amendment will authorize upgrading the SET front-end facilities, incorporating by consolidation unregistered PBR associated with SET back-end changes and changing emission calculation methodology from CEMSET (a spreadsheet-based calculation tool designed specifically for the site) to ToxChem. Shell Chemical LP has listed in the application the pollutants and amounts that will be emitted for each facility. Below is the current amount allowed the amount to be added or removed, and the total amount for each pollutant that is proposed to be emitted each year for all the facilities.

Pollutants	**Permitted Emissions (Tons Per Year)**	**Emissions Added/Deleted (Tons Per Year)**	**Total Proposed Emissions (Tons Per Year)**
VOC	34.75	0.55	35.3
Acetone	2.97	-2.48	0.49
Ammonia	0.86	-0.86	0.01
H2S	3.62	-3.62	0.01

The facilities being renewed are controlled by covering. The new and/or modified facilities will be controlled by and covering as applicable. In addition, the new API separators (EPNs T-13147, T-13148 and T-13149) will be controlled by carbon canisters.