

**PUBLIC NOTICE**  
**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)**  
**SHELL CHEMICAL LP - GEISMAR PLANT - LOGISTICS UNIT AND OLEFINS UNIT**

**PUBLIC HEARING AND REQUEST FOR PUBLIC COMMENT**  
**ON A PROPOSED SIGNIFICANT MODIFICATION TO THE OLEFINS PART 70 AIR OPERATING PERMIT, MINOR MODIFICATION TO THE LOGISITCS PART 70 AIR OPERATING PERMIT, PREVENTION OF SIGNIFICANT DETERIORATION (PSD) PERMIT MODIFICATION, & THE ASSOCIATED ENVIRONMENTAL ASSESSMENT STATEMENT (EAS)**

The LDEQ, Office of Environmental Services, will conduct a public hearing to receive comments on a significant modification to the Olefins Part 70 Air Operating Permit, minor modification to the Logistics Part 70 Air Operating Permit, Prevention of Significant Deterioration (PSD) Permit Modification and the Associated Environmental Assessment Statement (EAS) for Shell Chemical, LP, 7594 Highway 75, Geismar, LA 70734 for the Logistics Unit and Olefins Unit. **The facility is located at 7594 Highway 75, Geismar, Ascension Parish.**

The hearing will be held **on Tuesday, October 12, 2023, beginning at 6:00 p.m., at the Ascension -Richard Brown Community Center (Geismar Community Center), 12060 Highway 73, Geismar, LA 70734.** The hearing will be held in accordance with CDC guidance and in compliance with any guidelines issued by the Governor's office. During the hearing, all interested persons will have an opportunity to present oral statements, views, recommendations, opinions and information on the proposed permit. Additionally, written statements and other documents such as charts, data, and tabulations may be filed with the hearing officer at the hearing.

Shell Chemical, LP requested authorization to construct a new AO-5 Unit, which is designed to produce AO products from C4 through C14 plus C24+ and C30+ wax and authorization to construct a new PAO Unit, which will be designed to produce PAO products PAO2, PAO4, PAO6, and PAO8.

**Olefins Unit:**

As a result of adding the AO-5 and PAO Units, there will be several changes to the utilization of existing equipment at the Olefins Unit as follows:

- Throughputs and/or temperatures for several Olefins Unit storage tanks will increase. Emission rates for tanks listed below are being revised due to increased throughputs. Currently permitted emission rates for additional AO-5 tanks experiencing increased throughputs are sufficient to accommodate the increase, and no revision to the existing permitted emission rates is required;

TEMPO ID No.	Source ID No.	Emission Source Description
EQT0370	05B-78	Off-Spec Olefin Storage Tank, T-S932
EQT0371	05C-78	Light ID Feed Olefin Tank, T-S941
EQT0372	05D-78	Heavy ID Feed Olefin Tank, T-S943
EQT0375	05I-78	Off-Spec Olefin Tank, T-S948
EQT0386	10F-73	Dirty BDL Storage, T-S911
EQT0387	10G-73	Polymer Rag Storage, T-S912
EQT0390	10J-73	Light ID Feed Olefin Tank, T-S921
EQT0392	10L-73	Heavy ID Feed Olefin Tank, T-S923

- New truck and rail loading operations for the wax products will be added to the Logistics Unit;

- The Utilities Unit will experience additional wastewater flow from the AO-5 and PAO Units. These changes are included in the PSD analysis. However, currently permitted emission rates are sufficient to accommodate the increase, and no permit change is required;
- The flare system will receive additional flow from the new AO-5 and PAO Units. Currently permitted emission rates are sufficient to accommodate the increase, and no permit change is required. However, 1-butanol emissions from the PAO vent streams will be added to Ground Flare A-S730 (EQT0412) and to the Plant Flare System 03-73 (GRP0070). These emissions will be included in the maximum hourly emissions for GRP0070 and EQT0412; and
- Leak Detection and Repair (LDAR) program requirements for the proposed AO-5 and PAO Units' fugitive emissions sources, Source IDs 44-22 and 54-22, will be consolidated under Subpart H of the Hazardous Organic National Emission Standards of Hazardous Air Pollutants (NESHAP) regulations, 40 CFR 63, in accordance with LAC 33:III.2199. The consolidated requirements will be implemented upon startup of the new units.

Logistics Unit:

The addition of the AO-5 and PAO Units will require an increase in tank throughputs and loading/unloading operations within the Logistics Unit. Changes requested for the Logistics Unit's permit include:

- Update EQT0257, 04-89 – Alcohol, Ethoyleate, Glycol, and Olefins Marine Loading/Unloading to include PAO product loading;
- Increase the throughput of the following storage tank caps due to the increased production from the project:
  - GRP0033, C10-CAP – C10 Olefin Cap;
  - GRP0036, C12-CAP – C12 Olefin Cap;
  - GRP0040, C14-CAP – C14 Olefin Cap;
  - GRP0043, C6-CAP – C6 Olefin Cap; and
  - GRP0044, C8-CAP – C8 Olefin Cap;
- Increase emissions from FUG0010, 46-92 – Fugitive Emissions Logistics/Shipping; and
- Add emissions sources EQT0993, 1-22 – Wax Rail Loading and EQT0994, 2-22 – Wax Truck Loading.

**This permit was processed as an expedited permit in accordance with LAC 33:I.Chapter 18.**

Olefins Unit:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM <sub>10</sub>	47.67	62.02	+14.35
PM <sub>2.5</sub>	45.19	59.47	+14.28
SO <sub>2</sub>	1.18	2.30	+1.12
NO <sub>x</sub>	285.78	321.94	+36.16
CO	300.74	392.65	+91.91
VOC	382.04	416.12	+34.08
CO <sub>2e</sub>	-*	230,841	-

\*Greenhouse gas emissions (CO<sub>2e</sub>) were not required previously.

Logistics Unit:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM <sub>10</sub>	0.15	0.15	-
PM <sub>2.5</sub>	0.15	0.15	-
SO <sub>2</sub>	0.01	0.01	-
NO <sub>x</sub>	3.10	3.10	-
CO	9.02	9.02	-
VOC	101.59	105.74	+4.15

A working draft of the proposed permit was submitted to the facility representative. Any remarks received during the technical review will be addressed in the “Worksheet for Technical Review of Working Draft of Proposed Permit”. All remarks received by LDEQ are included in the record that is available for public review.

The EAS submitted by the applicant addresses avoidance of potential and real environmental effects, balancing of social and economic benefits against environmental impact costs, and alternative sites, projects, and mitigative measures.

The public hearing will be conducted in accordance with La. R.S. 30:2017, which addresses the authority of the hearing officer, provides for the order in which speakers will be allowed to speak. A hearing officer will preside over the public hearing. This will be a formal hearing for the purpose of gathering facts and information. It will not include a “question and answer” component. In accordance with La. R.S. 30:2016, the hearing will be transcribed and become a part of the official public record.

Comments and requests for a public hearing or notification of the final decision can be submitted online on the public notice webpage (<http://www.deq.louisiana.gov/public-notices>), via personal delivery, U.S. mail, or email. **Comments and requests for public hearings must be received by 4:30 pm CDT, Monday, October 16, 2023.** Delivery may be made to the drop-box at 602 N. 5<sup>th</sup> St., Baton Rouge, LA 70802. U.S. Mail may be sent to LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313, and emails may be submitted to [DEQ.PUBLICNOTICES@LA.GOV](mailto:DEQ.PUBLICNOTICES@LA.GOV). Persons wishing to receive notice of the final permit action must include a complete mailing address when submitting comments.

Please see additional instructions for comment submission, hand delivery and information regarding electronic submission at <http://www.deq.louisiana.gov/page/the-public-participation-group> or call (225) 219-3276.

A written response to all public comments will be prepared at the time of the final permit decision. LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written comments or a written request for notification of the final decision.

The Olefins Unit Part 70 Air Operating Permit Draft, the Logistics Unit Part 70 Air Operating Permit Draft, PSD Permit Modification Draft, Statement of Basis, permit applications, and Environmental Assessment Statement (EAS) are available for review at the LDEQ, Public Records Center, 602 North 5<sup>th</sup> Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). **The available information can also be accessed electronically on the Electronic Document Management System (EDMS) on the DEQ public website at [www.deq.louisiana.gov](http://www.deq.louisiana.gov).**

Additional copies may be reviewed at Ascension Parish Library - Dutchtown Branch – Geismar, 13278 Highway 73, Geismar, LA 70734.

Individuals with a disability, who need an accommodation in order to participate in the public hearing, should contact Denise Roderick via US mail at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313, email at [DEQ.PUBLICNOTICES@LA.GOV](mailto:DEQ.PUBLICNOTICES@LA.GOV), fax at (225) 325-8176 or phone at (225) 219-3376.

Inquiries or requests for additional information regarding this permit action should be directed to Anthony Randall, LDEQ, Air Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3494.

Persons wishing to be included on the LDEQ permit public notice mailing list, wishing to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server, or for other public participation related questions should contact the Public Participation Group in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, by email at [DEQ.PUBLICNOTICES@LA.GOV](mailto:DEQ.PUBLICNOTICES@LA.GOV) or contact the LDEQ Customer Service Center at (225) 219-LDEQ (219-5337).

**Permit public notices including electronic access to the proposed permits and statement of basis** can be viewed at the LDEQ permits public notice webpage at <http://www.deq.louisiana.gov/public-notices> and general information related to the public participation in permitting activities can be viewed at <http://www.deq.louisiana.gov/page/the-public-participation-group>.

**All correspondence should specify AI Number 1136, Permit Numbers 2727-V11, 2669-V13, and PSD-LA-647(M-9), and Activity Numbers PER20230001, PER20230002, and PER20230003.**

**Scheduled Publication Date: Friday, September 8, 2023 (LDEQ Webpage)**