**Shell Webpage Updates 7.15.25**

[​](https://www.pa.gov/agencies/dep/about-dep/regional-office-locations/southwest-regional-office/southwest-community-information/shell)[Facility Information | Department of Environmental Protection | Commonwealth of Pennsylvania](https://www.pa.gov/agencies/dep/about-dep/regional-office-locations/southwest-regional-office/southwest-community-information/shell/facility-information)

**Shell Petrochemical Complex**

**Facility Information**

This page was last updated on ~~June 6~~ [publication date], 2025

**Site Background**

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**Permitting/Approvals**

**Air Quality Plan Approval [04-00740]**

DEP reviewed a plan approval application—that was later modified—for the construction and initial operation of the facility. DEP’s review is highly technical and complex, requiring reviews and modeling by engineers, meteorologists and other environmental professionals in DEP’s Southwest Regional Office and Harrisburg Central Office. After a thorough and complete review of the application and determination that the proposed activity can be done in a manner that complies with applicable rules and regulations—including the health-based National Ambient Air Quality Standards—DEP generates a proposed plan approval that includes specific conditions, including monitoring and reporting.

**What’s New:**

On June 30, 2025, Shell submitted a Performance Test Report for three (3) combustion turbines with duct burners as required under Plan Approvals PA-04-00740A and PA-04-00740C.

* Performance Test Report (opens in a new tab) (PDF) [doc: Shell\_Chemical\_Appalachia\_Cogen\_Subpart\_YYYY\_Test\_Report\_20250630]

On July 8, 2025, Shell provided notification for planned performance testing for Ethane Cracking Furnace #7.

* Performance Testing Notification Letter (opens in a new tab) (PDF) [doc: Shell\_Chemical\_Appalachia\_F7\_Test\_Notification\_20250708]

**MOVING SECTIONS**:  ~~On March 20, 2025, DEP approved Shell’s three (3) Air Quality Plan Approval Extension Requests for Plan Approvals 04-00740A, 04-00740B and 04-00740C. The extension request letters were received March 3, 2025.~~

* [~~PA-04-00740A Extension Request(opens in a new tab)~~](https://files.dep.state.pa.us/RegionalResources/SWRO/SWROPortalFiles/Shell/5-2-25/2025.3.3_04-00740A_Ext_Req.pdf)~~(PDF)~~
  + [~~DEP Response, Extension Approval(opens in a new tab)~~](https://files.dep.state.pa.us/RegionalResources/SWRO/SWROPortalFiles/Shell/5-2-25/2025.03.20_PA-04-00740A_Ext_Approval.pdf)~~(PDF)~~
* [~~PA-04-00740B Extension Request(opens in a new tab)~~](https://files.dep.state.pa.us/RegionalResources/SWRO/SWROPortalFiles/Shell/5-2-25/2025.3.3_04-00740B_Ext_Req.pdf)~~(PDF)~~
  + [~~DEP Response, Extension Approval(opens in a new tab)~~](https://files.dep.state.pa.us/RegionalResources/SWRO/SWROPortalFiles/Shell/5-2-25/2025.03.20_04-00740B_Ext_Approval.pdf)~~(PDF)~~
* [~~PA-04-00740C Extension Request(opens in a new tab)~~](https://files.dep.state.pa.us/RegionalResources/SWRO/SWROPortalFiles/Shell/5-2-25/2025.03.03_04-00740C_Ext_Req.pdf)~~(PDF)~~
  + [~~DEP Response, Extension Approval(opens in a new tab)~~](https://files.dep.state.pa.us/RegionalResources/SWRO/SWROPortalFiles/Shell/5-2-25/2025.03.20_04-00740C_Ext_Approval.pdf)~~(PDF)~~

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**Plan Approvals and Extensions:**

MOVED FROM EARLIER SECTION (noted in green):

On March 20, 2025, DEP approved Shell’s three (3) Air Quality Plan Approval Extension Requests for Plan Approvals 04-00740A, 04-00740B and 04-00740C. The extension request letters were received March 3, 2025.

* [PA-04-00740A Extension Request(opens in a new tab)](https://files.dep.state.pa.us/RegionalResources/SWRO/SWROPortalFiles/Shell/5-2-25/2025.3.3_04-00740A_Ext_Req.pdf) (PDF)
  + [DEP Response, Extension Approval(opens in a new tab)](https://files.dep.state.pa.us/RegionalResources/SWRO/SWROPortalFiles/Shell/5-2-25/2025.03.20_PA-04-00740A_Ext_Approval.pdf) (PDF)
* [PA-04-00740B Extension Request(opens in a new tab)](https://files.dep.state.pa.us/RegionalResources/SWRO/SWROPortalFiles/Shell/5-2-25/2025.3.3_04-00740B_Ext_Req.pdf) (PDF)
  + [DEP Response, Extension Approval(opens in a new tab)](https://files.dep.state.pa.us/RegionalResources/SWRO/SWROPortalFiles/Shell/5-2-25/2025.03.20_04-00740B_Ext_Approval.pdf) (PDF)
* [PA-04-00740C Extension Request(opens in a new tab)](https://files.dep.state.pa.us/RegionalResources/SWRO/SWROPortalFiles/Shell/5-2-25/2025.03.03_04-00740C_Ext_Req.pdf) (PDF)
  + [DEP Response, Extension Approval(opens in a new tab)](https://files.dep.state.pa.us/RegionalResources/SWRO/SWROPortalFiles/Shell/5-2-25/2025.03.20_04-00740C_Ext_Approval.pdf) (PDF)

On November 14, 2023, DEP responded to an inquiry by Shell about how to treat circumstances when the ethane cracking furnaces are heated only by pilots and there is no hydrocarbon feed (“Pilots Only Operation”).

* [Pilots Only Operation Letter – November 14, 2023(opens in a new tab)](https://files.dep.state.pa.us/RegionalResources/SWRO/SWROPortalFiles/Shell/11-13-23/SHELL_PILOTS_ONLY_RFD_November_2023.pdf) (PDF)

**Title V Operating Permit**

A Title V Operating Permit is required for the continued operation of the facility and would include all applicable air quality requirements for the facility.

On February 22, 2024, DEP sent a letter to Shell notifying the operator of the regulatory deadline to submit a Title V Operating Permit application.

* [Title V Operating Permit Application Request Letter(opens in a new tab)](https://files.dep.state.pa.us/RegionalResources/SWRO/SWROPortalFiles/Shell/3-29-24/Shell%20TVOP%20Application%20Request%20February%2022%2c%202024%20%282%29.pdf) – February 22, 2024 (PDF)

On June 19, 2024, DEP received Shell’s Title V Operating Permit application. DEP conducted an administrative review and determined the application to be administratively complete on July 2, 2024.

* [**Title V​​ Operating Permit Application(opens in a new tab)**](https://files.dep.state.pa.us/RegionalResources/SWRO/SWROPortalFiles/Shell/7-2-24/Landau_Shell_Monaca_Site_Initial_Title_V_Application_rpt_2024_0619.pdf)**– June 19, 2024​ (PDF)**

On May 27, 2025, DEP sent a Technical Deficiency Letter to Shell requesting an updated Title V operating permit application to reflect changes at the facility that are currently being reviewed under pending plan approval application PA-04-00740D.

* DEP Technical Deficiency Letter (opens in a new tab) (PDF) [doc: 2025.05.27\_OP-04-00740 Shell Deficiency Letter]

**Malfunction Reporting**

Pursuant to its plan approval (PA-04-0040C Section C condition # 018), Shell is required to submit malfunction reports. The date of the malfunction incident is listed with subsequent report submissions below.

* January 1 & 4, 2022
  + [Malfunction Report (January 10, 2022)(opens in a new tab)](https://files.dep.state.pa.us/RegionalResources/SWRO/SWROPortalFiles/Shell/Malfunction_Reports/2022%20Jan%201/Incident_Report_Cogen_Units_No.2_NOx_20220101%202-signed.pdf) (PDF)
  + [Follow-Up Report (March 9, 2022)](https://files.dep.state.pa.us/RegionalResources/SWRO/SWROPortalFiles/Shell/Malfunction_Reports/2022%20Feb%204-15/04-00740%20Shell%20Follow-Up%20Report%20for%20Excess%20NOx%20Events%201Q2022%203.9.2022.pdf) (PDF)
* January 14 – 26, 2022
  + [Malfunction Report (February 2, 2022)(opens in a new tab)](https://files.dep.state.pa.us/RegionalResources/SWRO/SWROPortalFiles/Shell/Malfunction_Reports/2022%20Jan%2014-26/Malfunction_Report_Cogen_Units123_NOx_20220203.pdf) (PDF)

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* March 17, 2025
  + [Malfunction Report (April 10, 2025)(opens in a new tab)](https://files.dep.state.pa.us/RegionalResources/SWRO/SWROPortalFiles/Shell/5-2-25/2025.04.10_Shell_MalfunctionReport_Cogen_Units1_2.03.17.25.pdf) (PDF)
* June 4, 2025
  + Malfunction Report (July 3, 2025) (opens in a new tab) (REDACTED) (PDF) [doc: Shell\_Chemical\_Appalachia\_Furnace\_5\_Malfunction\_Report\_20250703\_Redacted]
  + Emergency Response Report (June 4, 2025) (opens in a new tab) (PDF) [doc: ERT Report - Shell Cemicals 06042025]
  + Inspection Report (June 5, 2025) (opens in a new tab) (PDF) [doc: 04-00740 Shell Chemicals RTPT 6.5.2025]
  + Recission of Notification for Incident #1433121 (June 17, 2025) (opens in a new tab) (PDF) [doc: Shell\_Chemical\_Appalachia\_NRC\_RecissionofNotification\_IncidentReport1433121\_20250617]
* June 9, 2025
  + Malfunction Report (July 8, 2025) (opens in a new tab) (PDF) [doc: Shell\_Chemical\_Appalachia\_ECU\_Malfunction\_Report\_20250708]
  + Follow-Up Report (June 17, 2025) (opens in a new tab) (PDF) [doc: Shell\_Chemical\_Appalachia\_14Day\_Followup\_Report\_NRC1433560\_20250617 2]

**Inspection Reports**

Inspections of facilities associated with Shell’s authorization to discharge under the National Pollutant Discharge Elimination System (NPDES) from its industrial wastewater facilities can be found under “wastewater facility inspections” on the DEP webpage linked below​.

* [Wastewater Reports](https://www.pa.gov/agencies/dep/programs-and-services/water/clean-water/wastewater-reports)
* [Routine Partial Inspection - April 16, 2019(opens in a new tab)](https://files.dep.state.pa.us/RegionalResources/SWRO/SWROPortalFiles/Shell/6-2-23/RTPT_Shell_Chemicals_04162019.pdf) (PDF)
* [Compliance Evaluation Inspection - July 10, 2019​(opens in a new tab)](https://files.dep.state.pa.us/RegionalResources/SWRO/SWROPortalFiles/Shell/9-17-24/Shell_IW_PA0002208_CEI_July_10_2019.pdf) (PDF)

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* [Routine Partial Inspection – January 22, 2025(opens in a new tab)](https://files.dep.state.pa.us/RegionalResources/SWRO/SWROPortalFiles/Shell/5-2-25/2025.01.22_04-00740%20Shell%20Chemicals%20RTPT.pdf) (PDF)
* [Administrative Inspection – February 12, 2025](https://files.dep.state.pa.us/RegionalResources/SWRO/SWROPortalFiles/Shell/5-2-25/2025.02.12_04-00740%20Shell%20Chemicals%20Admin%20Insp.pdf) (PDF)
* Routine Partial Inspection – June 5, 2025 (opens in a new tab) (PDF) [doc: 04-00740 Shell Chemicals RTPT 6.5.2025(2)]

**Emission Reports**

On December 14, 2022, DEP requested additional information from Shell in the form of a “Emission Exceedance Report and Mitigation Plan” (EERMP) technical report. On January 30, 2023, Shell responded to DEP’s December 2022 request for additional information. DEP responded to Shell on March 17, 2023. Shell responded to DEP on March 31, 2023.

* [Emission Exceedance Report and Mitigation Plan Report (EERMP) Request Letter – December 14, 2022(opens in a new tab)](https://files.dep.state.pa.us/RegionalResources/SWRO/SWROPortalFiles/Shell/12.14.22/04-00740%20Shell%20Submission%20of%20Emission%20Exceedance%20Report%20and%20Mitigation%20Plan%2012.14.2022.pdf) (PDF)

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* [12-month Rolling Emission Totals – February 2025(opens in a new tab)](https://files.dep.state.pa.us/RegionalResources/SWRO/SWROPortalFiles/Shell/5-2-25/Site_Level_Rolling_12_Month_Emissions_thru_2025_02_PADEP_Submission_20250317.xlsx) (Excel)
  + [Rolling Emission Totals Cover Letter – March 17, 2025(opens in a new tab)](https://files.dep.state.pa.us/RegionalResources/SWRO/SWROPortalFiles/Shell/5-2-25/Shell_Chemical_Monthly_Emissions_February_2025_20250317.pdf) (PDF)
* [12-month Rolling Emission Totals – March 2025(opens in a new tab)](https://files.dep.state.pa.us/RegionalResources/SWRO/SWROPortalFiles/Shell/5-2-25/Site_Level_Rolling_12_Month_Emissions_thru_2025_03_PADEP_Submission_20250416.xlsx) (Excel)
  + [Rolling Emission Totals Cover Letter – ~~March 17, 2025~~ April 16, 2025 (opens in a new tab)](https://files.dep.state.pa.us/RegionalResources/SWRO/SWROPortalFiles/Shell/5-2-25/Shell_Chemical_Monthly_Emissions_March_2025_20250416.pdf) (PDF)
* 12-month Rolling Emission Totals – April 2025 (opens in a new tab) (Excel) [doc: Site\_Level\_Rolling\_12\_Month\_Emissions\_thru\_2025\_04\_PADEP\_Submission\_20250519]
  + Rolling Emission Totals Cover Letter – May 19, 2025 (opens in a new tab) (PDF) [doc: Shell\_Chemical\_Appalachia\_April\_2025\_Monthly\_Emissions\_20250519]
* 12-month Rolling Emission Totals – May 2025 (opens in a new tab) (Excel) [doc: Site\_Level\_Rolling\_12\_Month\_Emissions\_thru\_2025\_05\_PADEP\_Submission\_20250618]
  + Rolling Emission Totals Cover Letter – June 18, 2025 (opens in a new tab) (PDF) [doc: Shell\_Chemical\_Appalachia\_May\_2025\_Monthly\_Emissions\_20250618]