

 Pennsylvania Department of Environmental Protection		INSPECTION REPORT		Commonwealth of Pennsylvania Department of Environmental Protection Air Quality Program	
Date(s) of Inspection: 6/18/26		Permit #(s): PA-04-00740A, B, C		Expiration Date: 	
TV ☐ PA ☐ SM ☐ GP ☐ NM ☐ MEGA ☒		Case #: 04-00740		PF ID #: 775836	
Company Name: Shell Chemical Appalachia LLC		Municipality: Potter Township		County: Beaver	
Plant Name: SHELL CHEM APPALACHIA /PETROCHEMICALS COMPLEX		Physical Location: Route 18		Federal ID — Plant Code #: 46-1624986-1	
Responsible Official: Nathan Levin			Mailing Address: 300 Frankfort Road		
Title: General Manager			Monaca, PA 15061-2210		
Phone #(s): 724-709-2825					
Mark (X) All Inspection Types That Apply To This Inspection:					
☐ Full Compliance Evaluation (FCE)	☐ Plan Approval Inspection	☐ File Review (FR)			
☐ Operating Permit Inspection (PI)	☐ Initial Permit Inspection (IPI)	☒ Complaint Inspection (CI)			
☒ Routine/Partial (RTPT)	☐ Follow-Up Inspection (Ref. Date: _____)	☐ Sample Collection (SC)			
☐ Minor Source(s) Inspection (RFD)	☐ Stack Test Observation	☐ Multi-Media Inspection (MM)			
☐ Other:	☐ Announced				
Annual Compliance Certification Received: ☐ YES ☐ NO ☒ N/A			Date Received:		
AIMS Report Received: ☐ YES ☐ N.O ☐ N/A			Date Received:		
Mark (X) All Activities That Apply:					
☒ File Review	☒ Pre-Inspection Briefing	☒ Exit Interview/Briefing			
☒ Pre-Inspection Observations	☐ Check For New/Unreported Sources	☐ Sample(s) Collected			
☐ Visible Emissions Observations	☐ Verify Operation of CEMS	☐ Other			
Compliance Status: ☒ In ☐ Out ☐ Pending ☐ Awaiting Co. Report					
Needs a Follow-Up Inspection? ☐ Yes ☒ No					
SIC: 2821 NAICS: 221112					
I performed a Routine Partial Inspection at the Shell Chemicals facility in Potter Township today. Prior to going on site, I inspected Monaca, Center Twp and Potter Twp. I also observed the facility from their Gate #3. I observed the typical steam plumes from the cooling towers, Elevated Flare and ECFs. I did not observe any visible, fugitive or malodor emissions today in the nearby communities or from Shell Chemicals today. I met with Alan Binder, Engineer, Shell Chemicals, and Gina Moore, Engineer, Shell Chemicals, and we discussed the incidents of the past week. On 6/11/26 at 14:45 Shell Chemicals had a voltage dip on the exterior power grid due to lightning storms. Equipment on site tripped offline due to the voltage dip. This caused a flaring event which started at 15:15 on 6/11/26 and continued until 09:48 on 6/12/26.					
Company Representative: MEMO TO FILE		Title: _____		Signature: _____	
DEP Representative: Scott Beaudway		Title: Air Quality Specialist		Signature: Scott Beaudway/SB	
				Date: 6/18/26	
This document is official notification that a representative of the Department of Environmental Protection, Air Quality Program, inspected the identified site. The findings of this inspection are shown above and on any attached pages, and may include violations uncovered during the inspection. Violations may also be discovered upon review of sample results or from any additional review of Department records. Notification will be forthcoming, if such violations are noted.					



Shell submitted a NRC report (incident #1465022) based on the flaring event due to a possible release of 1,3 BUTADIENE. Both TEGFs were in operation during the flaring event. The Elevated Flare was not used. No visible emissions were observed during the flaring event. Shell submitted a letter to the Department to address the Federal Emergency Provision clause in 40 CFR § 70.6(g). ECF 1, 5, 6 & 7 & CoGen Unit 3 tripped offline as well during the voltage drop event. This trip caused the following CEMS exceedances: ECF #1 for CO, ECF #5 for NOx, ECF #7 for NOx & CoGen Unit 2 for NOx. Shell will submit a malfunction report within 30 days as required. Shell did notify the Department, as required, by telephone of the malfunction on 6/15/26. Based on their investigation, Shell will rescind the NRC notification as 1,3 BUTADIENE was not released in a reportable quantity. They will submit the follow-up NRC letter to PEMA and also include a copy with their malfunction report to the Department.

On 6/13/26 at 0830 Shell Chemicals had a control valve in ECU fail which resulted in flaring in both TEGFs but not the Elevated Flare. The flaring resulted in intermittent visible emissions from TEGF A from 0830 to 0908. Shell did perform a Method 22 observation. There were no observed visible emissions from TEGF B. The cause is still under investigation. There have been no visible emissions since the malfunction to date. Shell did notify the Department, as required, by telephone of the malfunction on 6/15/26. Shell will submit a malfunction report within 30 days as required.

I inspected the following communities after leaving the facility: Potter Twp., Industry, Vanport and Beaver. I did not observe any visible, fugitive or malodor emissions today. The weather was mostly sunny, clear and 82 degrees F. I did not observe any violations.



Shell Chemical Appalachia LLC
300 Frankfort Rd
Monaca, PA 15061

June 15, 2026

Mark Gorog P.E., Regional Manager Air Quality Program
Pennsylvania Department of Environmental Protection (PADEP)
Southwest Regional Office
400 Waterfront Drive
Pittsburgh, PA 15222

**RE: Shell Chemical Appalachia LLC
Beaver County, PA
6/11/26 Malfunction – Voltage Dip**

Dear Mr. Gorog,

Shell Chemical Appalachia LLC ("Shell") is submitting this notification under 40 CFR 70.6(g)(3)(iv) to notify the permitting authority that emissions limitations were exceeded due to an "emergency" as defined in the regulation for an event initiating on June 11, 2026 and ending on June 12, 2026. Shell is reserving the claim of Affirmative Defense for this incident, and the information required under 40 CFR 70.6(g)(3)(i)-(iii) is provided below. Note, this notice is being submitted to PADEP as the *Permitting authority* (defined under 40 CFR §70.2) with authorization by USEPA under Appendix A to Part 70 to carry out a permit program.

- (i) The situation was an "emergency" as defined by 40 CFR 70.6(g) as the situation arose from a sudden and reasonably unforeseeable event beyond the control of the source and which caused the source to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency.

At approximately 2:45 PM on June 11, 2026, a voltage dip on the external power grid caused various pieces of equipment at the facility to shutdown. The voltage dip was determined to be due to the severe thunderstorms and lightning in the area. The incident was not caused by improper design, lack of preventative maintenance, operator error, or careless operation. This did not pose an imminent and substantial danger to the public health and safety or the environment.

Exceedances of the 1-hour NOX and CO emissions standards occurred at the ECU furnaces and Cogen. These exceedances will be explicitly addressed in the forthcoming malfunction report to be submitted to the agency.

- (ii) The facility was being properly operated at the time of the incident.
- (iii) During the period of the emergency, the facility took all reasonable steps to minimize the level of emissions that exceeded the emission standards, or other requirements in the permit.

During the event, operations followed applicable policies and procedures to minimize emissions and regain normal operating conditions. Compliance with each separate

June 15, 2026

exceedance of the CEMS emissions standards was restored within the hour. The specific root causes and corrective actions for each CEMS exceedance will be addressed in the forthcoming malfunction report to be submitted to the agency.

If you have any questions regarding this matter, please do not hesitate to contact Laura Sabolyk (Laura.L.Sabolyk@shell.com).

Sincerely,

A handwritten signature in dark ink, appearing to read 'Nathan Levin', with a long horizontal flourish extending to the right.

Nathan Levin
Operations Manager

CC:
Scott Beaudway, Air Quality Specialist