

2700-FM-AQ0023 Rev. 1/2008		<b>INSPECTION REPORT</b>		Commonwealth of Pennsylvania Department of Environmental Protection Air Quality Program	
Date(s) of Inspection: <b>7/29/24</b>	TV <input type="checkbox"/> SM <input type="checkbox"/> NM <input type="checkbox"/>	PA <input type="checkbox"/> GP <input type="checkbox"/> MEGA <input checked="" type="checkbox"/>	Permit #(s): PA-04-00740A, B, C	Expiration Date:	Case #: <b>04-00740</b>
Company Name: <b>Shell Chemical Appalachia LLC</b>			Municipality: <b>Potter Township</b>		County: <b>Beaver</b>
Plant Name: <b>SHELL CHEM APPALACHIA /PETROCHEMICALS COMPLEX</b>			Physical Location: <b>Route 18</b>		Federal ID — Plant Code #: <b>46-1624986-1</b>
Responsible Official: <b>William Watson</b>			Mailing Address: <b>300 Frankfort Road</b>		
Title: <b>General Manager</b>			<b>Monaca, PA 15061-2210</b>		
Phone #(s): <b>724-709-2825</b>					
<b>Mark (X) All Inspection Types That Apply To This Inspection:</b>					
<input type="checkbox"/>	Full Compliance Evaluation (FCE)	<input type="checkbox"/>	Plan Approval Inspection	<input type="checkbox"/>	File Review (FR)
<input type="checkbox"/>	Operating Permit Inspection (PI)	<input type="checkbox"/>	Initial Permit Inspection (IPI)	<input checked="" type="checkbox"/>	Complaint Inspection (CI)
<input checked="" type="checkbox"/>	Routine/Partial (RTPT)	<input type="checkbox"/>	Follow-Up Inspection (Ref. Date: _____)	<input type="checkbox"/>	Sample Collection (SC)
<input type="checkbox"/>	Minor Source(s) Inspection (RFD)	<input type="checkbox"/>	Stack Test Observation	<input type="checkbox"/>	Multi-Media Inspection (MM)
<input type="checkbox"/>	Other:	<input type="checkbox"/>	Announced		
Annual Compliance Certification Received: <input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> N/A			Date Received:		
AIMS Report Received: <input type="checkbox"/> YES <input type="checkbox"/> N.O <input type="checkbox"/> N/A			Date Received:		
<b>Mark (X) All Activities That Apply:</b>					
<input type="checkbox"/>	File Review	<input type="checkbox"/>	Pre-Inspection Briefing	<input type="checkbox"/>	Exit Interview/Briefing
<input type="checkbox"/>	Pre-Inspection Observations	<input type="checkbox"/>	Check For New/Unreported Sources	<input type="checkbox"/>	Sample(s) Collected
<input type="checkbox"/>	Visible Emissions Observations	<input type="checkbox"/>	Verify Operation of CEMS	<input type="checkbox"/>	Other
<b>Compliance Status:</b> <input checked="" type="checkbox"/> In <input type="checkbox"/> Out <input type="checkbox"/> Pending <input type="checkbox"/> Awaiting Co. Report <b>Needs a Follow-Up Inspection?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <b>SIC: 2821 NAICS: 221112</b> I inspected Monaca, Center Township and Potter Township this afternoon today and did not observe any malodors. I observed the Shell Chemicals facility today from 1:15 PM to 2:00 PM. I was located at Gate #3 of the Shell Chemicals facility. I did not observe any visible, fugitive or malodor emissions today. I observed only steam from the Elevated Flare and Cooling Towers. The weather was partly sunny, dry and 86 degrees F. I inspected Industry, Vanport and Beaver this afternoon and did not observe any malodors. I observed the Shell Chemicals facility today from 2:22 PM to 3:00 PM. I was located across the Ohio River by the Dock 6 building. I did not observe any visible, fugitive or malodor emissions today. I observed only steam from the Elevated Flare and Cooling Towers. The weather was partly sunny, dry and 84 degrees F. I inspected Industry, Vanport, Beaver and Rochester this afternoon and did not observe any malodors.					
Company Representative: <b>MEMO TO FILE</b>		Title: -----	Signature: -----	Date: -----	
DEP Representative: <b>Scott Beaudway</b>		Title: <b>Air Quality Specialist</b>	Signature: <b>Scott Beaudway/SB</b>	Date/Time: <b>7/29/24</b>	
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 Chemical Appalachia LLC, 04-00740

I contacted Shell Chemicals to inform them of my observations and to request the list of operating sources and control devices and an analysis of the gas composition for the material being routed to the flare. On 4/12/24 Shell Chemicals asserted that the requested information is confidential. The Department is reviewing the claim and a decision is pending.

07/29/2024 1:15 PM to 3:00 PM Source and Controls Status

031 Ethane Cracking Furnace 1 –Operating  
032 Ethane Cracking Furnace 2 –Operating (Hot Steam Standby)  
033 Ethane Cracking Furnace 3 –Operating  
034 Ethane Cracking Furnace 4 –Operating (Hot Steam Standby)  
035 Ethane Cracking Furnace 5 –Not Operating (Pilots only)  
036 Ethane Cracking Furnace 6 –Operating (Hot Steam Standby)  
037 Ethane Cracking Furnace 7 –Operating

101 Cogen 1 CT + DB – Operating  
102 Cogen 2 CT + DB – Not Operating  
103 Cogen 3 CT + DB – Operating

104 Cogeneration Plant Cooling Tower - Operating  
105 Diesel-Fired Emergency Generator Engines - Standby  
106 Fire Pump Engines - Standby  
107 Natural Gas Fired Emergency Generator Engines - Standby

201 Ethylene Manufacturing Line –Operating  
202 Polyethylene Manufacturing Lines –  
    PE1 Not Operating  
    PE2 Operating  
    PE3 Not Operating  
203 Process Cooling Tower - Operating  
204 Low Pressure (LP) Header System –Operating LP Incinerator/ Operating the Multipoint Ground Flare  
205 High Pressure (HP) Header System –Operating HP Ground Flare A and B, HP Elevated Flare on Standby  
206 Spent Caustic Vent Header System –Operating

301 Polyethylene Pellet Material Storage/Handling/Loadout – Operating  
302 Liquid Loadout (Recovered Oil) - Not Operating  
303 Liquid Loadout (Pyrolysis Fuel Oil, Light Gasoline) – Not Operating  
304 Liquid Loadout (C3+, Butene, Isopentane, Isobutane, C3+ Ref) – Not Operating  
305 Liquid Loadout (Coke Residue/Tar) – Not Operating

401 Storage Tanks (Recovered Oil, Equalization Wastewater) - Operating  
402 Storage Tank (Spent Caustic) - Operating  
403 Storage Tanks (Light Gasoline) - Operating  
404 Storage Tanks (Hexene) - Operating  
405 Storage Tanks (Misc Pressurized/Refrigerated) - Operating  
406 Storage Tanks (Diesel Fuel > 150 Gallons) - Operating  
407 Storage Tanks (Pyrolysis Fuel Oil) - Operating  
408 Storage Tanks (Diesel Fuel < 150 Gallons) - Operating  
409 Methanol Storage Vessels and Associated Components -Operating

501 Equipment Components - Operating  
502 Wastewater Treatment Plant - Operating  
503 Plant Roadways - In Use

All Listed Controls Operating

## **PADEP Policy Information**

DEP is now accepting permit and authorization applications, as well as other documents and correspondence, electronically through the OnBase Electronic Forms Upload tool. Please use the link below to view the webpage, get instructions, and submit documents:

<https://www.dep.pa.gov/DataandTools/Pages/Application-Form-Upload.aspx>

Effective January 16, 2021, all air quality applications, Permits, Requests for Determinations and initial Asbestos Notifications will be subject to new and/or increased fees. The new fees and other PADEP Air Quality information can be found at: <https://www.dep.pa.gov/Business/Air/Pages/default.aspx>

As of July 29, 2021, the Source Testing Section has gone paperless. An individual Source Testing Section reviewer may request a hard copy from the facility or the consultant. Note that the section will continue to require electronic submissions of protocols and reports to the resource email account ([ra-epstacktesting@pa.gov](mailto:ra-epstacktesting@pa.gov) or by disk and snail mail when the file is over 35 MBs). Periodic Monitoring reports (generally three 20-minute test runs) shall only be submitted to the regional office.

As of November 10, 2021, there have been some changes to how the regional offices will accept electronic submission. OnBase submissions of protocols and reports will no longer be accepted for Source Testing.

SWRO: Any email submission to [ra-epstacktesting@pa.gov](mailto:ra-epstacktesting@pa.gov) should also be CC-ed to [ra-epswstacktesting@pa.gov](mailto:ra-epswstacktesting@pa.gov). Beyond that email cc, no further submission is necessary to DEP SWRO (i.e. no hard copy or disk needed for SWRO).