


k2700-FM-AQ0023 Rev. 1/2008  Pennsylvania Department of Environmental Protection			<h1 style="margin: 0;">INSPECTION REPORT</h1>		Commonwealth of Pennsylvania Department of Environmental Protection Air Quality Program		
Date(s) of Inspection: 12/2/24		TV <input type="checkbox"/> PA <input type="checkbox"/> SM <input type="checkbox"/> GP <input type="checkbox"/> NM <input type="checkbox"/> MEGA <input checked="" type="checkbox"/>	Permit #(s): PA-04-00740A, B, C	Expiration Date:	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:							
<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:			
Mark (X) All Activities That Apply:							
<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
Compliance Status: <input checked="" type="checkbox"/> In <input type="checkbox"/> Out <input type="checkbox"/> Pending <input type="checkbox"/> Awaiting Co. Report Needs a Follow-Up Inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No SIC: 2821 NAICS: 221112 I inspected Monaca, Center Township and Potter Township including the area around the Beaver Mall this morning and did not observe any malodors. I observed the Shell Chemicals facility today from 11:35 AM to 12:07 PM. I was located at Shell Chemicals' Gate #3. 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 overcast, dry and 30 degrees F. I observed the Shell Chemicals facility today from 12:16 PM to 1:00 PM. I was located across the River at 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 overcast, dry and 32 degrees F. I inspected Industry, Vanport and Beaver this afternoon and did not observe any malodors.							
Company Representative: MEMO TO FILE			Title: -----		Signature: -----		Date: -----
DEP Representative: Scott Beaudway			Title: Air Quality Specialist		Signature: Scott Beaudway/SB		Date/Time:
<small>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.</small>							

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. On 11/21/24 the Department determined that "the information that Shell Chemicals has identified as confidential in their submittals will be considered confidential by the Department subject to the provisions of Section 13.2 of the Pennsylvania Air Pollution Control Act, 35 P.S. § 4013.2.

12/02/2024 11:35 AM to 1:00 PM Source and Controls Status

- 031 Ethane Cracking Furnace 1 –Operating
- 032 Ethane Cracking Furnace 2 –Operating
- 033 Ethane Cracking Furnace 3 –Operating
- 034 Ethane Cracking Furnace 4 –Operating
- 035 Ethane Cracking Furnace 5 –Operating
- 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 – 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 Operating
 - PE2 Operating
 - PE3 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) –Operating Pyrolysis Fuel Oil
- 304 Liquid Loadout (C3+, Butene, Isopentane, Isobutane, C3+ Ref) –Operating C3+
- 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