


2700-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: 9/17/24		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: William Watson				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"/>
<input type="checkbox"/>	Operating Permit Inspection (PI)		<input type="checkbox"/>	Initial Permit Inspection (IPI)		<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	Routine/Partial (RTPT)		<input type="checkbox"/>	Follow-Up Inspection (Ref. Date: _____)		<input type="checkbox"/>
<input type="checkbox"/>	Minor Source(s) Inspection (RFD)		<input type="checkbox"/>	Stack Test Observation		<input type="checkbox"/>
<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"/>
<input type="checkbox"/>	Pre-Inspection Observations		<input type="checkbox"/>	Check For New/Unreported Sources		<input type="checkbox"/>
<input type="checkbox"/>	Visible Emissions Observations		<input type="checkbox"/>	Verify Operation of CEMS		<input type="checkbox"/>
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 late this morning and did not observe any malodors. I observed the Shell Chemicals facility today from 12:48 PM to 1:48 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 mostly sunny, dry and 78 degrees F. I observed the Shell Chemicals facility today from 1:56 PM to 2:56 PM. I was located across the Ohio River from the Multi Point Ground Flare. 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 81 degrees F. I inspected Industry, Vanport, Beaver and Rochester this afternoon and did not observe any malodors.						
Company Representative: MEMO TO FILE			Title: _____		Signature: _____	
DEP Representative: Scott Beaudway			Title: Air Quality Specialist		Signature: Scott Beaudway/SB	
					Date/Time: 9/26/24	
<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. The Department is reviewing the claim and a decision is pending.

09/17/2024 12:48 PM to 2:56 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
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