


2700-FM-AQ0023 Rev. 1/2008 		INSPECTION REPORT		Commonwealth of Pennsylvania Department of Environmental Protection Air Quality Program			
Date(s) of Inspection: 10/27/22		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 #: 04-00740	PF ID #: 775836
Company Name: Shell Chemical Appalachia LLC		Municipality: Potter Township		County: Beaver			
Plant Name:		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"/>	File Review (FR)		
<input type="checkbox"/>	Operating Permit Inspection (PI)	<input type="checkbox"/>	Initial Permit Inspection (IPI)	<input checked="" type="checkbox"/>	Complaint Inspection (CI) 367127, 367355		
<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"/> NO <input checked="" 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							
<p>I inspected Beaver and Vanport, downwind of the Shell Chemicals facility, mid-morning and did not observe any malodors.</p> <p>I observed Shell Chemicals Appalachia LLC's facility this morning from 9:45 AM to 11:15 AM. I was located at Shell Chemical's Gate #3. I did not observe any visible, fugitive or malodor emissions today. The weather was overcast, dry and 46 degrees F. I did observe more steam than usual for the HP Elevated Flare (C205C). Kim Kaal, Shell Chemicals, confirmed that they were testing the HP Elevated Flare and that there would be an increased steam plume.</p> <p>I contacted Kim Kaal to inform her of my observations and to request the list of operating sources and control devices. Kim Kaal provided a list of sources and control devices in operation at the time of my observations (page 2).</p>							
Company Representative: MEMO TO FILE		Title: -----		Signature: -----		Date: -----	
DEP Representative: Scott Beaudway		Title: Air Quality Specialist		Signature: Scott Beaudway/SB		Date/Time: 10/27/22	
<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

Sources reported to be in operation during my site observation:

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

- 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, Startup
- 202 Polyethylene Manufacturing Lines - Operating, Startup
- 203 Process Cooling Tower - Operating
- 204 Low Pressure (LP) Header System - Operating LP Incinerator and Multipoint Ground Flare
- 205 High Pressure (HP) Header System - Operating HP Ground Flare A and B (Not Elevated Flare)
- 206 Spent Caustic Vent Header System - Operating Spent Caustic Vent Incinerator

- 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) - Not 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) - Not 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, Still Paving

- All Listed Controls - Operating