


2700-FM-AQ0023 Rev. 1/2008 		INSPECTION REPORT		Commonwealth of Pennsylvania Department of Environmental Protection Air Quality Program	
Date(s) of Inspection: 2/9/23	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
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"/>	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"/> 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					
I observed Monaca and Center Township downwind of the Shell Chemicals facility this morning and did not observe any malodors.					
I crossed the Rt 376 bridge and observed the Shell Chemicals facility today from 10:55 AM to 12:00 PM. The weather was cloudy, raining and 48 degrees F. I also observed the Shell Chemicals facility today from 12:50 PM to 3:00 PM. The weather was partly cloudy, dry and 61 degrees F. I was located across the river at the at the Dock 6 building during both time periods. I did not observe any visible, fugitive or malodor emissions today.					
I inspected Beaver and Vanport downwind of the Shell Chemicals facility early afternoon today 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: 2/9/23	
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 her of my observations and to request the list of operating sources and control devices. Shell Chemicals provided a list of sources and control devices in operation at the time of my observations.

Sources reported to be in operation during my site observation:

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

- 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 - 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 B (Ground Flare A temporarily out of service for maintenance) (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) - Isobutane Unloading
- 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) - 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 - HP Ground Flare A temporarily out of service for maintenance. All other controls operating

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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) 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 should also be CC-ed to 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).