


2700-FM-AQ0023 Rev. 1/2008 		INSPECTION REPORT		Commonwealth of Pennsylvania Department of Environmental Protection Air Quality Program	
Date(s) of Inspection: 1/9/23	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:			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) 368505, 368645
<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					
SIC: 2821			Needs a Follow-Up Inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
NAICS: 221112					
I inspected Beaver and Vanport, downwind of the Shell Chemicals facility early afternoon today and did not observe any malodors.					
I observed Shell Chemicals Appalachia LLC's facility today from 1:30 PM to 3:00 PM. I was located across the Ohio River near the Old Lock and Dam 6 Building. I did not observe any visible, fugitive or malodor emissions today. The weather was clear, dry and 40 degrees F.					
I contacted Shell Chemicals to inform them of my observations and to request the list of operating sources and control devices. Shell Chemicals provided the following list of sources and control devices in operation at the time of my observations (page 2).					
Company Representative: MEMO TO FILE		Title: -----	Signature: -----	Date: -----	
DEP Representative: Scott Beudway		Title: Air Quality Specialist	Signature: Scott Beudway/SB	Date/Time: 1/9/23	
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

Sources reported to be in operation during my site observation:

031 Ethane Cracking Furnace 1 – Hot steam standby
032 Ethane Cracking Furnace 2 - Feed
033 Ethane Cracking Furnace 3 – Hot steam standby
034 Ethane Cracking Furnace 4 – Feed
035 Ethane Cracking Furnace 5 – Hot steam standby
036 Ethane Cracking Furnace 6 - Feed
037 Ethane Cracking Furnace 7 – 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 A and B (Not Elevated Flare)
206 Spent Caustic Vent Header System - Operating Spent Caustic Vent Incinerator

301 Polyethylene Pellet Material Storage/Handling/Loadout – Not 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) - 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