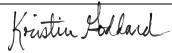
27	700-FM-AQ0023 Rev. 1/2008  pennsylvan  DEPARTMENT OF ENVIRONMENTAL PR	ia		INSPECTION REPORT				Commonwealth of Pennsylva Department of Environmental Pro Air Quality Program				
Date(s) of Inspection:       TV       □       PA       □         2/15/24       SM       □       GP       □         NM       □       MEGA       ☒			]	Permit #(s): Expiration Date: PA-04-00740A, B, C		on Date:	Case <b>04</b> -	#: 00740	PF ID #: 775836			
	ompany Name: hell Chemical Appala	nchia LLC		Municipality: Potter Township			County: Beaver					
SI	ant Name: HELL CHEM APPALACHIA PETROCHEMICALS COMP	=		Physical Location: Route 18			Federal ID — Plant Code #: 46-1624986-1					
	esponsible Official: /illiam Watson		•		Mailing Address: 300 Frankfort Road							
G	tle: Seneral Manager				Monaca, PA 15061-2210							
	none #(s): 24-709-2825											
M	lark (X) All Inspection	n Types Th	nat .	Apply To This In	spection	n:						
	Full Compliance Evaluation (	FCE)		Plan Approval Inspecti	on			File Review (FR)				
	Operating Permit Inspection	(PI)		Initial Permit Inspection	ı (IPI)		$\boxtimes$	Complaint Inspection (CI)				
X	Routine/Partial (RTPT)			Follow-Up Inspection (	Ref. Date:	:)		Sample Collection (SC)				
	Minor Source(s) Inspection (	RFD)		Stack Test Observation	า			Multi-Media Inspection (MM)				
	Other:			Announced								
Ar	nnual Compliance Certification	Received:	YES	S □ NO ⊠ N/A		Date Received	:					
ΑI	MS Report Received:		YE	S NO N/A	Date Received:							
M	lark (X) All Activities	That Appl	y:									
	File Review	Pre-Inspection Briefing				Exit Interview/Briefing						
	Pre-Inspection Observations		Check For New/Unreported Sources				Sample(s) Collected					
	Visible Emissions Observation	ons		Verify Operation of CE	MS		Other					
S Li Li	inspected Monaca, Ce observed the Shell Che y the Dock 6 building.	NAICS nter Towns emicals fac I did not o	S: 2 ship cility bse	21112 and Potter Towns today from 9:10 / rve any visible, fu	ship thi	s morning ar 0:15 AM. Tv r malodor en	nd d was nissi	located across ons today. I ob	any malodors. the Ohio River oserved only			
	inspected Monaca, Ce			J				•				
	ompany Representative: IEMO TO FILE		Title	): 		Signature:			Date:			
	EP Representative: cott Beaudway		Title	e: Quality Specialist	Signature: Scott Beau	dwa	y/SB	Date/Time: 2/15/24				
Th	is document is official notification th	act a representat	ivo of	the Department of Environ	nantal Drat	action Air Quality F	Progra	m inapacted the identifi	ad aita. The findings of this			

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.

Page 1 of 3 eFacts Inspection ID#: 3713053 Date: 2/16/24 Reviewed By



### Shell Chemical Appalachia LLC, 04-00740

501 Equipment Components - Operating502 Wastewater Treatment Plant - Operating

503 Plant Roadways - In Use

I contacted Shell Chemicals to inform them 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. Shell Chemicals also submitted records (attached) of an analysis of the gas composition for the material being routed to the flare.

Sources reported to be in operation during my site observation: 02/15/2024 9:10 AM to 10:15 AM Source and Controls Status 031 Ethane Cracking Furnace 1 – Operating 032 Ethane Cracking Furnace 2 - Operating (Hot Steam Standby) 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 -Not Operating PE3 -Not Operating 203 Process Cooling Tower - Operating 204 Low Pressure (LP) Header System - Operating LP Incinerator and Operating 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) -Not Operating 304 Liquid Loadout (C3+, Butene, Isopentane, Isobutane, C3+ Ref) –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) - 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

### Shell Chemical Appalachia LLC, 04-00740

All Listed Controls Operating

# **PADEP Policy Information**

DEP is now accepting permit and authorization applications, as well as other documents and correspondence, electronically through the OnBase Electronic Forms Upload tool. Please use the link below to view the webpage, get instructions, and submit documents:

https://www.dep.pa.gov/DataandTools/Pages/Application-Form-Upload.aspx

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: <a href="https://www.dep.pa.gov/Business/Air/Pages/default.aspx">https://www.dep.pa.gov/Business/Air/Pages/default.aspx</a>

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 (<u>raepstacktesting@pa.gov</u> 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 <u>ra-epstacktesting@pa.gov</u> should also be CC-ed to <u>ra-epswstacktesting@pa.gov</u>. Beyond that email cc, no further submission is necessary to DEP SWRO (i.e. no hard copy or disk needed for SWRO).

#### Shell Polymers HP Flare System GC Hourly Average Compositions\*

	Elemental											
	Hydrogen	Nitrogen	Methane	Ethane	Acetylene	Ethylene	C3	C4	C4 Olefins	C5	C6+	Tota
Date and Time	% mol	% mol	% mol	% mol	% mol	% mol	% mol	% mol	% mol	% mol	% mol	% mol
15-Feb-24 09:00:00	58.35	9.05	26.82	1.87	0.00	3.75	0.04	0.06	0.00	0.00	0.05	100.00
15-Feb-24 10:00:00	22.12	43.06	30.39	1.92	0.00	1.83	0.06	0.08	0.00	0.41	0.13	100.00

### Shell Polymers LP System Thermal Oxidizer GC Hourly Average Compositions\*

	Elemental											
	Hydrogen	Nitrogen	Methane	Ethane	Acetylene	Ethylene	C3	C4	C4 Olefins	C5	C6+	Total
Date and Time	% mol	% mol	% mol	% mol	% mol	% mol	% mol	% mol	% mol	% mol	% mol	% mol
15-Feb-24 09:00:00	0.58	87.38	5.57	0.40	0.00	1.73	0.09	2.37	0.82	0.95	0.11	100.00
15-Feb-24 10:00:00	0.56	87.62	5.48	0.39	0.00	1.67	0.09	2.35	0.80	0.89	0.15	100.00

## Shell Polymers LP System Multipoint Ground Flare PE1/2 Episodic Vent Header\*

	Elemental											
	Hydrogen	Nitrogen	Methane	Ethane	Acetylene	Ethylene	C3	C4	C4 Olefins	C5	C6+	Total
Date and Time	% mol	% mol	% mol	% mol	% mol	% mol	% mol	% mol	% mol	% mol	% mol	% mol
15-Feb-24 09:00:00	0.04	16.33	78.03	5.30	0.00	0.00	0.15	0.03	0.00	0.00	0.13	100.00
15-Feb-24 10:00:00	0.03	16.29	78.11	5.26	0.00	0.00	0.14	0.03	0.00	0.00	0.13	100.00

<sup>\*</sup> All data still subject to final QC for purposes of emissions inventory calculations and submittals