

INSPECTION REPORT

Commonwealth of Pennsylvania
 Department of Environmental Protection
 Air Quality Program

Date(s) of Inspection: 10/25/24	TV ☐ SM ☐ NM ☐	PA ☒ GP ☐ MEGA ☐	Permit #(s): 04-740	Expiration Date:	Case #: 04-740	PF ID #: 775 836
Company Name: Shell chemical Appalachia			Municipality: Potter Twp.		County: Beaver	
Plant Name:			Physical Location: Route 18		Federal ID — Plant Code #: 46-1624 986-1	
Responsible Official: Nathan Levin				Mailing Address: 300 Frankfort Rd.		
Title: General Manager				Monaca, PA 15061-2210		
Phone #(s):						

Mark (X) All Inspection Types That Apply To This Inspection:

☐ Full Compliance Evaluation (FCE)	☐ Plan Approval Inspection	☐ File Review (FR)
☐ Operating Permit Inspection (PI)	☐ Initial Permit Inspection (IPI)	☐ Complaint Inspection (CI)
☒ Routine/Partial (RTPT)	☐ Follow-Up Inspection (Ref. Date: _____)	☐ Sample Collection (SC)
☐ Minor Source(s) Inspection (RFD)	☐ Stack Test Observation	☐ Multi-Media Inspection (MM)
☐ Other:	☐ Announced	

Annual Compliance Certification Received: ☐ YES ☐ NO ☐ N/A

Date Received:

AIMS Report Received: ☐ YES ☐ NO ☐ N/A

Date Received:

Mark (X) All Activities That Apply:

☐ File Review	☒ Pre-Inspection Briefing	☒ Exit Interview/Briefing
☒ Pre-Inspection Observations	☐ Check For New/Unreported Sources	☐ Sample(s) Collected
☐ Visible Emissions Observations	☐ Verify Operation of CEMS	☐ Other

Comments/Recommendations:

Enforcement since last FCE ☐ Yes ☒ No (If yes, attach summary)

I performed a Routine Partial Inspection (RTPT) at Shell chemicals facility in Potter Twp.

Today US EPA was performing a site inspection of the Shell chemicals Facility. I was on site to observe the US EPA facility.

An attendance sign is sheet was not distributed today, but should be similar to the list included in the 10/21 RTPT.

Compliance Status: ☒ In ☐ Out ☐ Pending ☐ Awaiting Co. Report

Needs a Follow-Up Inspection? ☐ Yes ☒ No

Company Representative:

Kimberly

Title:

Environmental mgr.

Signature:

[Signature]

Date:

10/25/24

DEP Representative:

Scott Beaudry

Title:

AQS

Signature:

[Signature]

Date/Time:

10/25/24.

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.

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eFacts Inspection ID# **3856899** Date: **10/25/24**

Reviewed By _____

☐ White – Regional Office

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EPA NEIC conducted an exit briefing today following their inspection. They will submit a Report of their Findings within 60 Days to USEPA Region 3. NEIC does not make compliance determinations.

Storage Tanks - one leak detected, currently being repaired. LPAR monitoring was performed. No issues noted.

Flares - NEIC will review Flare data and CEM data.

NEIC noted that TV application was submitted > 12 months after production began.

BWON / TAB - some additional waste streams were noted.

RERA - possible issues with satellite accumulation area drums. (exceeding 55 gallon, labeling issues).
possible issue with chemical accumulation areas
possible issue with containers in lab / Fume Hood.
possible issues with container management (labeling)
hazardous waste determination, 90 day storage limit)

Clean Water Act - Noted outfall effluent exceedances since 2021. Did not note any chronic issues.

Noted April 2023 issue at WWTP (improper operation and maintenance). Noted odor at tanks and outfall.

Suggested pulling outfall sampler to check compliance esp. during any event.

Made a suggestion segregating PE 1,2,3 waste water from

Company - plant name:

Initials of representative interviewed:

Date:

Shell chemicals

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other non-process wastewater, so the non-process wastewater doesn't have to be treated by the WWTP. The Diversion Box might be the only "treatment" needed for the non-process wastewater / stormwater. Suggested separating SPC plan from PPC plan, currently combined into one plan. Difficult to find info.

NEIC will follow up with additional records request as needed next week.

NEIC will consider all photos taken as CBI.

Correction: A sign-in sheet was filled out today. A copy is attached as well as a list of attendees during the week.

I was on site at Shell Chemical today from 0830 to Noon today. I did not observe any visible, fugitive or malodor emissions today.

Company -- plant name:

shell chemical

Initials of representative interviewed:

Date:

10/25/24

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SUBJECT: EPA / SPM Close-out Meeting - 10/25/2024

Name	Title	Company
Zel Nabiyan	Chemical Eng.	EPA - NEIC
Cindy Schaffer	Env. Eng.	EPA - NEIC
Laura Kanopkin	Env. Eng.	EPA - NEIC
Gina Batiz	Env. Eng.	Consultant (Shell)
Garrett Brewer	Prod Exe Coordinator	Shell
James Howell	PROD MGR	SHELL
Scott Beaudway	AQS	PA DEP AQ
Tim Smolar	WQS	PA DEP CW
Heather Michaux	Process Safety Manager	Shell
FRED MULLNER	SR. ENV. ENGINEER	Shell
MATTHEW GREAVES	PRODUCTION TEAM LEAD	SHELL
Jim Foun	Production Supervisor	SHELL
AARON SIGNAROVITZ	Sr. Env Engineer	Shell
Jason Schultz	ENV Engineer	Shell
Dean DeLuca	Physical Scientist	US EPA - Region 3
Luke Bishop	AQ Engineer	PA DEP AQ
Andrew Rippet	Env. Eng	EPA - NEIC
Brianna Vetter	ENV. Engr.	EPA - NEIC
Lauren Utteman	Env. Engineer	SHELL
via Teams:		
Lisa Lorenz	Compliance Specialist	SHELL
Alan Binder	Env. Engr	SHELL
Julian White	Engineering Manager	SHELL
Kim Cary	Env. Engr	Cal Ball Boni Env.
Bonnie Yu	Innovation Mgr	SHELL
Wesley Carambat	Performance Mgr	SHELL
Laura Sabolyk	Regulatory Advisor	SHELL
Mike Lukovich	Env. Env.	EPA - NEIC
Kim KRAL	Environmental manager	Shell

10/21/2024

Name	Company	Department	Date
AARON SIGNAROVITZ	Shell	Env	10/21/24
Brianne Leiker	EPA - NEIC		
Zel Nabiyar	EPA - NEIC		10/21/24
Milre Lukowich	EPA - NEIC		10/21/24
John Roble	Shell	Process Eng	10/21/24
Garrett Brewer	Shell	Production	10/21/24
Cindy Schafer	EPA - NEIC		10/21/24
Laura Kanapkin	EPA - NEIC	Env. Engineer	10/21/24
Andrew Rippert	EPA - NEIC	Env. Engineer	10/21/24
Kimberly Kase	Shell Environment	Env. Mgr.	10/21/24
Bruce Augustine	EPA R3	Inspector	10/21/24
Scott Beaudway	PA DEP AQ	AQS	10/21/24
Amanda Illar	PA DEP CW	Clean Water Ops	10/21/24
FRED MULLNER	SHELL	ENV. ENGINEER	10/21/24
Tim Smolan	PA DEP CW	CLEAN WATER OPS	10/21/24
Gina Batiz	Consultant (Shell)	Env.	10/21/24
Kimberly Coy	Consultant (Shell)	ENV	10/21/2024
Allison Gieda	EPA Region 3	Env. Engineer	10/21/24
Jason Schulte	Shell	ENV ENG	10/21/24
Dean DeLuca	EPA Region 3	Physical Scientist	10/21/2024
LISA LORENZ	Shell	ENV	10/21/24
Bonnie Yu	Shell	Tech Ser, Dev, In	10/21/24
STEVE CHANDLER	Shell	Tech Manager	10/21/24
Jennifer Huddleston	Shell	HSE	10/21/24
NES CARANSA	SHELL	PERF NOW	10/21/24
JAMES HOWELL	SHELL	PRODUCTION MGR	10/21/24
JULIAN WHITE	SHELL	ENGINEERING MGR	10/21/24
Lauren Uffelman	Shell	ENV	10/21/24
Laura Sabolyh	Shell	ENV.	10/21/24
James Sherrick	Shell	Process Engineer	10/21/24
Alan Binder	Shell	ENV.	10/21/24
Shane Solinger	Shell	PEI	10/21/24
Adrian Valenzuela	Shell	PEI	10/21/24
Jan Palmer	Shell	PEI	10/21/24

Matthew Hay	Shell	Process Engineering	10/22/24
Eric Balboni	Cog Balboni Env.	Engr./consultant	10/22/24
Shane Smith	PSC	Logistics	10/23/24
Steve White	Shell	Logistics	10/23/24
Brad Stebbins	Shelty	Safety	10/23/24
Carly Smith	Shell	Safety	10/22/24
Jaico Balboni	Shell	Safety	10/23/24
Matt Greaves	Shell	operations	10/23/24

10/25/2024 8:30 AM to 12:00 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 – Not Operating (no pilots)
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 – Operating from 0900 to 1032 for fire hydrant testing
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 Light Gasoline
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