

Application Type Renewal
Facility Type Storm Water
Major / Minor Minor

**NPDES PERMIT FACT SHEET
INDIVIDUAL INDUSTRIAL WASTE (IW)
AND IW STORMWATER**

Application No. PA0244988
APS ID 1089898
Authorization ID 1442314

Applicant and Facility Information

Applicant Name	<u>Federal Mogul Systems Protection Technical Center</u>	Facility Name	<u>Federal Mogul Systems Protection Technical Center</u>
Applicant Address	<u>241 Welsh Pool Road Exton, PA 19341-1316</u>	Facility Address	<u>241 Welsh Pool Road Exton, PA 19341-1316</u>
Applicant Contact	<u>Eric Lahr</u>	Facility Contact	<u>Elizabeth Morris</u>
Applicant Phone	<u>(610) 820-1353</u>	Facility Phone	<u>(610) 280-1334</u>
Client ID	<u>339628</u>	Site ID	<u>826459</u>
SIC Code	<u>3714</u>	Municipality	<u>Uwchlan Township</u>
SIC Description	<u>Manufacturing - Motor Vehicle Parts And Accessories</u>	County	<u>Chester</u>
Date Application Received	<u>April 10, 2023</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u></u>	If No, Reason	<u></u>
Purpose of Application	<u>Renewal</u>		

Summary of Review

The applicant requests renewal of a National Pollutant Discharge Elimination System (NPDES) individual permit to discharge stormwater from Federal – Mogul Systems Protection Technical Center located 241 Welsh Pool Road, Exton, PA 19341. This facility discharges to Pine Creek a designated High Quality – Trout Stocking Fishes (HQ – TSF) under Chapter 93 in watershed 3-D.

Per the permit application, the manufacturing methods used were primarily textile based (i.e.: braiding, weaving and fabric coating) using fiberglass, nylon and polyester. Currently, the site is primarily a Research and Development (R&D) Facility for the Federal-Mogul Systems Protection Group. The R&D labs manufacture and test thermal, acoustic and abrasion protection for the automotive and aerospace industries. All R&D, tech services, engineering and manufacturing processes, materials staging, and machine servicing activities are conducted within the facility. Outside activities and elements include paved parking area, an enclosed waste compactor and a small area where compressed gas cylinders (i.e.: LP tanks for fork lifts) are stored. There are no manufacturing processes, materials, vehicle maintenance or other activities which occur in stormwater exposure areas.

This site contains seven outfalls (001, 002, 003, 004, 005, 006 and 007) which receive stormwater from Federal – Mogul Systems Protection Group.

The applicant submitted SIC Code 3714 in the permit application. This SIC code does not have an applicable appendix, therefor Appendix J was used for Additional Facilities.

See below for outfalls and representative outfalls.

The draft permit will be sent to permittee and operations section.

Approve	Deny	Signatures	Date
x		<i>Vasantha</i> Vasantha Palakurti / Environmental Engineering Specialist	September 22, 2023
X		<i>Pravin Patel</i> Pravin C. Patel, P.E. / Environmental Engineer Manager	09/27/2023

Summary of Review

Public Participation

DEP will publish notice of the receipt of the NPDES permit application and a tentative decision to issue the individual NPDES permit in the *Pennsylvania Bulletin* in accordance with 25 Pa. Code § 92a.82. Upon publication in the *Pennsylvania Bulletin*, DEP will accept written comments from interested persons for a 30-day period (which may be extended for one additional 15-day period at DEP's discretion), which will be considered in making a final decision on the application. Any person may request or petition for a public hearing with respect to the application. A public hearing may be held if DEP determines that there is significant public interest in holding a hearing. If a hearing is held, notice of the hearing will be published in the *Pennsylvania Bulletin* at least 30 days prior to the hearing and in at least one newspaper of general circulation within the geographical area of the discharge.

Outfall No.	Description
001	Front lawn, visitor parking lot, office roof drains.
002	Berm, spillway, receiving dock driveway.
003	Detention basin, berm, and spillway, plus areas 004 & 005.
004	Roof drains, ravine (spillway), front lawn.
005	Roof drains.
006	Parking lot, roof drains, grassy areas, sealed LP tanks, possible closed cylinders (acetylene, nitrogen, methane, oxygen), closed trash compactor, electric transformer (non-PCB).
007	Visitor Parking

Representative Outfalls

Representative Outfall	Outfalls Represented
003	002, 004, 005
007	001
007	007

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001 - 007</u>	Design Flow (MGD)	<u>0</u>
Latitude	<u>40° 3' 34.13"</u>	Longitude	<u>-75° 38' 40.58"</u>
Quad Name	<u></u>	Quad Code	<u></u>
Wastewater Description: <u>Stormwater</u>			
Receiving Waters	<u>Pine Creek (HQ-TSF, MF)</u>	Stream Code	<u></u>
NHD Com ID	<u>25969690</u>	RMI	<u>1.2400</u>
Drainage Area	<u></u>	Yield (cfs/mi ²)	<u></u>
Q ₇₋₁₀ Flow (cfs)	<u></u>	Q ₇₋₁₀ Basis	<u></u>
Elevation (ft)	<u></u>	Slope (ft/ft)	<u></u>
Watershed No.	<u>3-D</u>	Chapter 93 Class.	<u>HQ-TSF, MF</u>
Existing Use	<u></u>	Existing Use Qualifier	<u></u>
Exceptions to Use	<u></u>	Exceptions to Criteria	<u></u>
Assessment Status	<u>Impaired</u>		
Cause(s) of Impairment	<u>CAUSE UNKNOWN, FLOW REGIME MODIFICATION</u>		
Source(s) of Impairment	<u>URBAN RUNOFF/STORM SEWERS, URBAN RUNOFF/STORM SEWERS</u>		
TMDL Status	<u></u>	Name	<u></u>

Changes Since Last Permit Issuance: Additional Outfalls have been added since last renewal.

Compliance History	
11/4/2021	Failed to pay annual invoice
8/17/2021	Failed to sample during monitoring periods January 1, 2020 – June 30, 2020 July 1, 2020 – December 31, 2020 January 1, 2021 – June 30, 2021

Compliance History

DMR Data for Outfall 001 (from July 1, 2022 to June 30, 2023)

Parameter	JUN-23	MAY-23	APR-23	MAR-23	FEB-23	JAN-23	DEC-22	NOV-22	OCT-22	SEP-22	AUG-22	JUL-22
TSS (mg/L) Daily Maximum	GG						GG					
Oil and Grease (mg/L) Daily Maximum	GG						GG					

DMR Data for Outfall 002 (from July 1, 2022 to June 30, 2023)

Parameter	JUN-23	MAY-23	APR-23	MAR-23	FEB-23	JAN-23	DEC-22	NOV-22	OCT-22	SEP-22	AUG-22	JUL-22
TSS (mg/L) Daily Maximum	GG						GG					
Oil and Grease (mg/L) Daily Maximum	GG						GG					

DMR Data for Outfall 004 (from July 1, 2022 to June 30, 2023)

Parameter	JUN-23	MAY-23	APR-23	MAR-23	FEB-23	JAN-23	DEC-22	NOV-22	OCT-22	SEP-22	AUG-22	JUL-22
TSS (mg/L) Daily Maximum	GG						GG					
Oil and Grease (mg/L) Daily Maximum	GG						GG					

DMR Data for Outfall 005 (from July 1, 2022 to June 30, 2023)

Parameter	JUN-23	MAY-23	APR-23	MAR-23	FEB-23	JAN-23	DEC-22	NOV-22	OCT-22	SEP-22	AUG-22	JUL-22
TSS (mg/L) Daily Maximum	GG						GG					
Oil and Grease (mg/L) Daily Maximum	GG						GG					

DMR Data for Outfall 006 (from July 1, 2022 to June 30, 2023)

Parameter	JUN-23	MAY-23	APR-23	MAR-23	FEB-23	JAN-23	DEC-22	NOV-22	OCT-22	SEP-22	AUG-22	JUL-22
TSS (mg/L) Daily Maximum	< 0.1						< 0.1					

Oil and Grease (mg/L) Daily Maximum	< 0.1						< 0.1				
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Proposed Effluent Limitations and Monitoring Requirements

The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants). Sample frequencies and types are derived from the "NPDES Permit Writer's Manual" (386-0400-001), SOPs and/or BPJ.

Outfall 003, 006, 007, Effective Period: Permit Effective Date through Permit Expiration Date.

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
COD	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
TSS	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Nitrogen	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Calculation
Total Phosphorus	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab

