

Application Type New  
Facility Type Storm Water  
Major / Minor Minor

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

Application No. PA0245712  
APS ID 1126467  
Authorization ID 1507837

**Applicant and Facility Information**

Applicant Name	<u>Fujirebio Diagnostics, Inc.</u>	Facility Name	<u>Fujirebio Diagnostics Malvern Facility</u>
Applicant Address	<u>201 Great Valley Parkway</u> <u>Malvern, PA 19355-1308</u>	Facility Address	<u>201 Great Valley Parkway</u> <u>Malvern, PA 19355</u>
Applicant Contact	<u>Ken Shaner</u>	Facility Contact	<u>Ken Shaner</u>
Applicant Phone	<u>(484) 395-2106</u>	Facility Phone	<u>(484) 395-2106</u>
Client ID	<u>241933</u>	Site ID	<u>680647</u>
SIC Code	<u>2835</u>	Municipality	<u>East Whiteland Township</u>
SIC Description	<u>Manufacturing - Diagnostic Substances</u>	County	<u>Chester</u>
Date Application Received	<u>October 31, 2024</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u></u>	If No, Reason	<u></u>
Purpose of Application	<u>New permit for an existing stormwater discharge</u>		

**Summary of Review**

Applicant requests issuance of an individual permit to discharge industrial stormwater from Fujirebio Diagnostics Malvern Facility.

The discharge is to an Unnamed Tributary of Valley Creek, which is classified as Exceptional Value (EV) waters.

Fujirebio is a R&D facility that develops and manufactures biological in vitro diagnostics.

This is a multi-lab facility with designated labs designed to manufacture specific components which are used to create a varied menu of finished products. In addition, the facility maintains a Logistics Department for Warehouse and Shipping activities, a Facilities Department, Product Development laboratories, Process Engineering laboratories, a Finishing Department for filling, packaging and labeling activities, Quality Control laboratories, a Quality Assurance Department, a Regulatory Department, Finance, and IT Departments.

The facility mainly manufactures medical equipment and medical tests utilized for cancer treatment.

This is an existing stormwater discharge commenced in 1998. Industrial processes are contained within the facility, and no industrial related discharges are anticipated. All interior floor drains lead to Valley Forge Sewer Authority WWTP.

DEP inspection was conducted at the facility on 12-03-2024. No operation issues noted in the inspection report.

One Outfall 001 is listed in the application. Outfall is inspected monthly and cleaned out as needed. Outfall is located downhill of the facility at a storm drain in the parking lot. Dock unloading and emergency generator fueling are listed in the application as the activities in the drainage area.

Approve	Deny	Signatures	Date
X		<i>Sara Abraham</i> Sara Reji Abraham, E.I.T. / Project Manager	December 9, 2024
X		<i>Pravin Patel</i> Pravin C. Patel, P.E. / Environmental Engineer Manager	12/09/2024

### Summary of Review

The SIC code listed in the application is 2835 and Appendix F of the PAG03 General Permit is applicable to facility's operation.

The parameters Total Nitrogen, Total Phosphorus, pH, COD, TSS, Nitrate + Nitrite-Nitrogen, Total Lead, Total Zinc, Total Iron and Total Aluminum are recommended to be included in the draft permit. These parameters are consistent with the Appendix F of the PAG03 General Permit. Semiannual monitoring is included similar to the PAG03 General Permit requirement. The benchmark values 9.0 S. U (pH), 120 mg/l (COD), 100 mg/l (TSS) and 3.0 mg/l (Nitrate + Nitrite – Nitrogen) are included as limits in the permit.

Review of the submitted sampling results show some concern on the COD concentration in the discharge. Facility may need to implement appropriate BMPs to reduce the concentrations of the pollutants in the stormwater discharge. Sampling results for BOD5 and Oil & Grease will be submitted before the final permit issuance.

As the receiving stream is impaired for PCBs, facility provided PCB sampling results and shows no concern.

### 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.

### Act 14 Notifications:

East Whiteland Township	-	September 4, 2024
Chester County	-	September 5, 2024

### Permit Conditions:

- I. Stormwater Outfalls
- II. Best Management Practices
- III. Stormwater Monitoring Requirements
- IV. Routine Inspections
- V. PPC Plan
- VI. Other Requirements
  - A. Acquire Necessary Property Rights
  - B. Proper Sludge Disposal

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0</u>
Latitude	<u>40° 3' 12.83"</u>	Longitude	<u>-75° 32' 41.31"</u>
Quad Name	<u>Malvern</u>	Quad Code	<u>1841</u>
Wastewater Description: <u>Stormwater</u>			
Receiving Waters	<u>Unnamed Tributary to Valley Creek (EV, MF)</u>	Stream Code	<u>01010</u>
NHD Com ID	<u>25980644</u>	RMI	<u>0.1600</u>
Watershed No.	<u>3-F</u>	Chapter 93 Class.	<u>EV, MF</u>
Assessment Status	<u>Impaired</u>		
Cause(s) of Impairment	<u>cause unknown, flow regime modification, habitat alterations, polychlorinated biphenyls (pcbs), siltation</u>		
Source(s) of Impairment	<u>habitat modification - other than hydromodification, source unknown, urban runoff/storm sewers</u>		
TMDL Status	<u>Final</u>	Name	<u>Valley and Little Valley Creeks</u>

Proposed Effluent Limitations and Monitoring Requirements

Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	XXX	XXX	9.0	XXX	1/6 months	Grab
Chemical Oxygen Demand (COD)	XXX	XXX	XXX	XXX	120	XXX	1/6 months	Grab
Total Suspended Solids	XXX	XXX	XXX	XXX	100.0	XXX	1/6 months	Grab
Nitrate-Nitrite as N	XXX	XXX	XXX	XXX	3.0	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
Aluminum, Total	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Iron, Total	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Lead, Total	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Zinc, Total	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab