

PA0276405, Industrial, SIC Code 1389, **Eureka Resources, LLC**, 315 Second Street, Williamsport, PA 17701. Facility Name: Eureka Resources - Susquehanna Facility. This proposed facility is located in Dimock Township, **Susquehanna County**.

DEP Office: *Northeast Regional Office*

Description of Proposed Activity: The application is for a new NPDES permit for a new discharge of treated industrial waste.

The receiving stream, Tributary 29418 to Burdick Creek (CWF/MF), is located in State Water Plan watershed 4-G and is classified for Cold Water Fishes and Migratory Fishes, aquatic life, water supply and recreation. The discharge is not expected to affect public water supplies.

The proposed effluent limits for Outfall 001 are based on a design flow of 0.168 MGD.

Parameters	Mass Units (lbs/day)		Concentrations (mg/L)			
	Average Monthly	Daily Max	Instant. Minimum	Average Monthly	Daily Maximum	Instant. Maximum
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0
Dissolved Oxygen	XXX	XXX	6.0	XXX	XXX	XXX
Temperature Increase (°F)	XXX	XXX	XXX	XXX	XXX	2.0
Biochemical Oxygen Demand (BOD ₅)	XXX	XXX	XXX	53.0	163	163
Total Suspended Solids	XXX	XXX	XXX	61.3	216	216
Total Dissolved Solids	XXX	XXX	XXX	500	1,000	1,250
Oil and Grease	XXX	XXX	XXX	15.0	30.0	37.5
Nitrate-Nitrite as N	Report	XXX	XXX	Report	XXX	XXX
Total Nitrogen	Report	XXX	XXX	Report	XXX	XXX
Ammonia-Nitrogen	Report	XXX	XXX	1.44	2.88	2.88
Total Kjeldahl Nitrogen	Report	XXX	XXX	Report	XXX	XXX
Total Phosphorus	Report	XXX	XXX	Report	XXX	XXX
Barium, Total	XXX	XXX	XXX	2.5	3.9	6.2
Chromium, Hexavalent	XXX	XXX	XXX	Report	Report	XXX
Copper, Total	XXX	XXX	XXX	0.00074	0.00086	0.00086
Iron, Dissolved	XXX	XXX	XXX	Report	Report	XXX
Strontium, Total	XXX	XXX	XXX	4.1	6.5	10.4
Sulfate, Total	XXX	XXX	XXX	Report	Report	XXX
Uranium, Total	XXX	XXX	XXX	Report	Report	XXX
Zinc, Total	XXX	XXX	XXX	0.0093	0.0097	0.0097
o-Cresol	XXX	XXX	XXX	0.561	1.92	1.92
2,4,6-Trichlorophenol	XXX	XXX	XXX	0.0023	0.0036	0.0058
Phenol	XXX	XXX	XXX	1.08	3.65	3.65
Acetone	XXX	XXX	XXX	3.64	5.68	9.11
Acetophenone	XXX	XXX	XXX	0.0562	0.114	0.14
Benzene	XXX	XXX	XXX	0.0009	0.0014	0.0022

Parameters	Mass Units (lbs/day)		Concentrations (mg/L)			
	Average Monthly	Daily Max	Instant. Minimum	Average Monthly	Daily Maximum	Instant. Maximum
BTEX, Total	XXX	XXX	XXX	0.1	0.2	0.25
Chloride	XXX	XXX	XXX	250	500	625
Bromide	XXX	XXX	XXX	Report	Report	XXX
2-Butanone	XXX	XXX	XXX	1.85	4.81	4.81
p-Cresol	XXX	XXX	XXX	0.167	0.260	0.417
Pyridine	XXX	XXX	XXX	0.182	0.370	0.455
Gross Alpha Radioactivity (pCi/L)	XXX	XXX	XXX	Report	Report	XXX
Radium-226 and Radium-228, Total (pCi/L)	XXX	XXX	XXX	Report	Report	XXX
1,4-Dioxane	XXX	XXX	XXX	Report Avg Qrtly	XXX	XXX

The proposed monitoring requirements and effluent limits for implementation of Pennsylvania's Chesapeake Bay Watershed Implementation Plan are as follows for Outfall 001.

Parameters	Mass Units (lbs)		Concentrations (mg/L)			
	Monthly	Total Annual	Monthly	Monthly Average	Maximum	Instant. Maximum
Total Nitrogen (Total Load, lbs)	XXX	Report	XXX	XXX	XXX	XXX
Total Nitrogen (Total Load, lbs) Effluent Net	XXX	0	XXX	XXX	XXX	XXX
Total Phosphorus (Total Load, lbs)	XXX	Report	XXX	XXX	XXX	XXX
Total Phosphorus (Total Load, lbs) Effluent Net	XXX	0	XXX	XXX	XXX	XXX

* This permit contains conditions which authorize the permittee to apply nutrient reduction credits to meet the Net Total Nitrogen and the Net Total Phosphorus effluent mass limits, under the Department's Chapter 96 regulations. The condition includes the requirement to report the application of these credits in Supplemental Discharge Monitoring Reports (DMRs) submitted to the Department.

In addition, the permit contains the following major special conditions:

- Chesapeake Bay Nutrient Requirements
- Schedule of Compliance
- WQBELs Below Quantitation Limits
- Chemical Additives
- Requirements Applicable to Stormwater

You may make an appointment to review the DEP files on this case by calling the File Review Coordinator at 570-826-5472.

The EPA Waiver is in effect.