U.S. EPA 2021 Multi-Sector General Permit Monitoring Guidance for Discharges into Impaired Waters (Part 4.2.5) - Parameters and Methods for Operators Discharging into New Hampshire Waters – March 2021

Pollutant Causing Impairment[1]	Monitoring Parameter[2]	EPA or Approved Method Nos.[3]
2-Methylnaphthalene	2-Methylnapthalene and all other PAHs	610
Acenaphthene	Acenaphthene and all other PAHs	610; 1625
Acenaphthylene	Acenaphthylene and all other PAHs	610; 1625
Aluminum	Aluminum, Total	200.7; 200.8; 200.9
Ammonia (Total)	Ammonia – Nitrogen	350.1
Ammonia (Un-ionized)	Ammonia – Nitrogen	350.1
Anthracene	Anthracene and all other PAHs	610; 1625
Arsenic	Arsenic, Total	200.7; 200.8; 200.9
Barium	Barium. Total	200.7; 200.8; 200.9
Benthic-Macroinvertebrate Bioassessments (Streams)	NMR	--
Benzo[a]anthracene	Benzo[a]anthracene and all other PAHs	610; 1625
Benzo[a]pyrene	Benzo[a]pyrene and all other PAHs	610; 1625
Benzo[b]fluoranthene	Benzo[b]fluroanthene and all other PAHs	610; 1625
Benzo[g,h,i] perylene	Benzo[g,h,i] perylene and all other PAHs	610; 1625
Benzo[k]fluoranthene	Benzo[k]fluoranthene and all other PAHs	610; 1625
Biphenyl	Biphenyl and all other PAHs	1625
BOD, Biochemical Oxygen Demand	NMR	--
Cadmium	Cadmium, Total	200.7; 200.8; 200.9
Chloride	Chloride	300.0
Chlorine, Residual (Chlorine Demand)	NMR unless potentially present (e.g., stored/used on site)	SM-4500-Cl; D1253-08
Chlorophyll-a	Total Phosphorus (freshwater) Total Nitrogen (marine waters)	365.1; 365.2; 365.3 351.1/351.2 + 353.2
Chromium	Chromium, Total	200.7; 200.8; 200.9
Chrysene	Chrysene (C1-C4) and all other PAHs	610; 1625
Copper	Copper, Total	200.7; 200.8; 200.9
Creosote	NMR	--
Cyanobacteria hepatotoxic microsystins	Total Phosphorus (freshwater) Total Nitrogen (marine waters)	365.1; 365.2; 365.3 351.1/351.2 + 353.2
DDD	NMR	608; 625
DDE	NMR	608; 625
DDT	NMR	608; 625
Debris/Floatables/Trash	NMR (Note: Part 3.2.2 requires quarterly visual assessments)	--
Dibenz[a,h]anthracene	Dibenz[a,h]anthracene and all other PAHs	610; 1625
Dieldrin	Dieldrin	608; 625
Dioxin - Fish Consumption Advisory	NMR	1613
Dioxin (including 2,3,7,8-TCDD)	NMR	1613
Dissolved oxygen saturation	Dissolved Oxygen Temperature BOD_5 Total Phosphorus (freshwater) Total Nitrogen (marine waters)	360.1; 360.2 SM-2550 SM-5210 365.1; 365.2; 365.3 351.1/351.2 + 353.2

Available at: https://www3.epa.gov/region1/npdes/stormwater/assets/pdfs/msgp-2021-part-425-parameters-nh.pdf

Pollutant Causing Impairment[1]	Monitoring Parameter[2]	EPA or Approved Method Nos.[3]
E. coli	E. coli	1103.1; 1603
Endrin	Endrin	608; 625
Enterococcus	Enterococcus	1106.1; 1600
Estuarine Bioassessments	NMR	--
Excess Algal Growth	Total Phosphorus (freshwater) Total Nitrogen (marine waters)	365.1; 365.2; 365.3 351.1/351.2 + 353.2
Fecal Coliform	Fecal Coliform	1680; 1681
Fishes Bioassessments (Streams)	NMR	--
Fluoranthene	Fluoranthene and all other PAHs	610; 1625
Fluorene	Fluorene and all other PAHs	610; 1625
Foam/Flocs/Scum/Oil Slicks	NMR (Note: Part 3.2.2 requires quarterly visual assessments)	--
Habitat Assessment (Streams)	NMR	--
Heptachlor	Heptachlor	608; 625
Indeno[1,2,3-cd]pyrene	Indeno[1, 2, 3-cd] pyrene and all other PAHs	610; 1625
Invasive Aquatic Algae	Total Phosphorus (freshwater) Total Nitrogen (marine waters)	365.1; 365.2; 365.3; 351.1/351.2 + 353.2
Iron	Iron, Total	200.7; 200.8; 200.9
Lead	Lead, Total	200.7; 200.8; 200.9
Light Attenuation Coefficient	Total Suspended Solids Nitrogen, Total	SM-2540 D 351.1/351.2 + 353.2
Lindane	Lindane	608; 625
Low flow alterations	NMR	--
Manganese	Total Manganese	200.7; 200.8; 200.9
Mercury	NMR unless potentially present (e.g., salvage yards crushing vehicles with Hg switches)	245.1; 245.7; 1631E
Mercury - Fish Consumption Advisory	NMR unless potentially present (e.g., salvage yards crushing vehicles with Hg switches)	245.1; 245.7; 1631E
Napthalene	Napthalene and all other PAHs	610; 1625
Nickel	Nickel	200.7; 200.8; 200.9
Nitrogen (Total)	Nitrogen, Total	351.1/351.2 + 353.2
Non-Native (Aquatic) Plants	NMR	--
Other flow regime alterations	NMR	--
Oxygen, Dissolved	Dissolved Oxygen Temperature BOD5 Total Phosphorus (freshwater) Total Nitrogen (marine waters)	360.1; 360.2 SM-2550 SM-5210 365.1; 365.2; 365.3 351.1/351.2 + 353.2
pH	pH	150.2
Phenanthrene	Phenanthrene and all other PAHs	610; 1625
Phosphorus (Total)	Phosphorus, Total	365.1; 365.2; 365.3; SM 4500-P-E
Physical substrate habitat alterations	NMR	--
PCBS - Fish Consumption	NMR	--
Polychlorinated biphenyls	NMR	--
Pyrene	Pyrene and all other PAHs	610; 1625
Sedimentation/Siltation	Total Suspended Solids	SM-2540 D

Pollutant Causing Impairment[1]	Monitoring Parameter[2]	EPA or Approved Method Nos.[3]
trans-Nonachlor	NMR	--
Taste, odor, color	NMR	--
Total Suspended Solids (TSS)	Total Suspended Solids	SM-2540 D
Turbidity	Total Suspended Solids	SM-2540 D
Zinc	Zinc, Total	200.7; 200.8; 200.9

[1] As identified in most current EPA-approved 303(d) List based on New Hampshire DES Biennial Assessments

[2] • "NMR" indicates no monitoring required
• "Total Phosphorus (freshwater)" indicates monitor for total phosphorus where stormwater discharges to a water body that is freshwater
• "Total Nitrogen (marine water)" indicates monitor for total nitrogen where stormwater discharges to a water body that is a marine or estuarine water

[3] Only select methods are listed. Additional EPA-approved methods available at: 40 CFR 136