

Analytical Monitoring Requirements - OHR000005 vs. OHR000004

Industrial Subsector	Regulated SIC Codes	Type of Industry	OHR000005 Analytical Monitoring Requirements		OHR000004 Analytical Monitoring Requirements
			Benchmark Sampling	Effluent Sampling	
A1	2421	General Sawmills and Planing Mills	COD = 120 mg/l, TSS = 100 mg/l, Zinc = Hardness Dependent	pH = 6.5-9, Spray Down Logs - Nothing > 1-inch	Facilities treating wood with Chlorophenolic, Creosote, or Chromium-Arsenic Formulations - Oil & Grease, COD, TSS, pH, Copper, Arsenic, Chromium, Pentachlorophenol
A2	2491	Wood Preserving	Arsenic = 0.34 mg/l, Copper = Hardness Dependent	pH = 6.5-9, Spray Down Logs - Nothing > 1-inch	Facilities treating wood with Chlorophenolic, Creosote, or Chromium-Arsenic Formulations - Oil & Grease, COD, TSS, pH, Copper, Arsenic, Chromium, Pentachlorophenol
A3	2411	Log Storage and Handling	TSS = 100 mg/l	pH = 6.5-9, Spray Down Logs - Nothing > 1-inch	Facilities treating wood with Chlorophenolic, Creosote, or Chromium-Arsenic Formulations - Oil & Grease, COD, TSS, pH, Copper, Arsenic, Chromium, Pentachlorophenol
A4	2426	Hardwood Dimension and Flooring Mills	COD = 120 mg/l, TSS = 100 mg/l	pH = 6.5-9, Spray Down Logs - Nothing > 1-inch	Facilities treating wood with Chlorophenolic, Creosote, or Chromium-Arsenic Formulations - Oil & Grease, COD, TSS, pH, Copper, Arsenic, Chromium, Pentachlorophenol
A4	2429	Special Product Sawmills, Not Elsewhere Classified	COD = 120 mg/l, TSS = 100 mg/l	pH = 6.5-9, Spray Down Logs - Nothing > 1-inch	Facilities treating wood with Chlorophenolic, Creosote, or Chromium-Arsenic Formulations - Oil & Grease, COD, TSS, pH, Copper, Arsenic, Chromium, Pentachlorophenol
A4	2448	Wood Pallets and Skids	COD = 120 mg/l, TSS = 100 mg/l	pH = 6.5-9, Spray Down Logs - Nothing > 1-inch	Facilities treating wood with Chlorophenolic, Creosote, or Chromium-Arsenic Formulations - Oil & Grease, COD, TSS, pH, Copper, Arsenic, Chromium, Pentachlorophenol
A4	2449	Wood Containers, Not Elsewhere Classified	COD = 120 mg/l, TSS = 100 mg/l	pH = 6.5-9, Spray Down Logs - Nothing > 1-inch	Facilities treating wood with Chlorophenolic, Creosote, or Chromium-Arsenic Formulations - Oil & Grease, COD, TSS, pH, Copper, Arsenic, Chromium, Pentachlorophenol
A4	2493	Reconstituted Wood Products	COD = 120 mg/l, TSS = 100 mg/l	pH = 6.5-9, Spray Down Logs - Nothing > 1-inch	Facilities treating wood with Chlorophenolic, Creosote, or Chromium-Arsenic Formulations - Oil & Grease, COD, TSS, pH, Copper, Arsenic, Chromium, Pentachlorophenol
A4	2499	Wood Products, Not Elsewhere Classified	COD = 120 mg/l, TSS = 100 mg/l	pH = 6.5-9, Spray Down Logs - Nothing > 1-inch	Facilities treating wood with Chlorophenolic, Creosote, or Chromium-Arsenic Formulations - Oil & Grease, COD, TSS, pH, Copper, Arsenic, Chromium, Pentachlorophenol
A4	2431, 2435, 2436, 2439	Millwork, Veneer, Plywood, and Structural Wood (see Sector W)	COD = 120 mg/l, TSS = 100 mg/l	pH = 6.5-9, Spray Down Logs - Nothing > 1-inch	Facilities treating wood with Chlorophenolic, Creosote, or Chromium-Arsenic Formulations - Oil & Grease, COD, TSS, pH, Copper, Arsenic, Chromium, Pentachlorophenol
A4	2451, 2452	Wood Buildings and Mobile Homes	COD = 120 mg/l, TSS = 100 mg/l	pH = 6.5-9, Spray Down Logs - Nothing > 1-inch	Facilities treating wood with Chlorophenolic, Creosote, or Chromium-Arsenic Formulations - Oil & Grease, COD, TSS, pH, Copper, Arsenic, Chromium, Pentachlorophenol
A5	2441	Nailed and Lock Corner Wood Boxes and Shook		pH = 6.5-9, Spray Down Logs - Nothing > 1-inch	Facilities treating wood with Chlorophenolic, Creosote, or Chromium-Arsenic Formulations - Oil & Grease, COD, TSS, pH, Copper, Arsenic, Chromium, Pentachlorophenol
B1	2631	Paperboard Mills	COD = 120 mg/l		
B2	2611	Pulp Mills			
B2	2621	Paper Mills			
B2	2652-2657	Paperboard Containers and Boxes			
B2	2671-2679	Converted Paper and Paperboard Products, Except Containers and Boxes			
C1	2873-2879 (except 2874)	Agricultural Chemicals	Lead & Zinc = Hardness Dependent, Phosphorus = 2 mg/l, Nitrate + Nitrite Nitrogen = 0.68 mg/l		Facilities with Outdoor Raw Material Piles - Oil & Grease, COD, TSS, pH
C2	2812-2819	Industrial Inorganic Chemicals	Aluminum = 0.75 mg/l, Nitrate + Nitrite Nitrogen = 0.68 mg/l		Facilities with Outdoor Raw Material Piles - Oil & Grease, COD, TSS, pH
C3	2841-2844	Soaps, Detergents, and Cleaning Preparations; Perfumes, Cosmetics, and Other Toilet Preparations	Zinc = Hardness Dependent, Nitrate + Nitrite Nitrogen = 0.68 mg/l		Facilities with Outdoor Raw Material Piles - Oil & Grease, COD, TSS, pH
C4	2821-2824	Plastics Materials and Synthetic Resins, Synthetic Rubber, Cellulosic and Other Manmade Fibers Except Glass	Zinc = Hardness Dependent		Facilities with Outdoor Raw Material Piles - Oil & Grease, COD, TSS, pH
C5	2851	Paints, Varnishes, Lacquers, Enamels, and Allied Products			Facilities with Outdoor Raw Material Piles - Oil & Grease, COD, TSS, pH
C5	2911	Petroleum Refining			
C5	3952	Inks and Paints, Including China Painting Enamels, India Ink, Drawing Ink, Platinum Paints for Burnt Wood or Leather Work, Paints for China Painting, Artist's Paints and Artist's Waterc			
C5	2833-2836	Medicinal Chemicals and Botanical Products; Pharmaceutical Preparations; in vitro and in vivo Diagnostic Substances; and Biological Products, Except Diagnostic Substances			Facilities with Outdoor Raw Material Piles - Oil & Grease, COD, TSS, pH
C5	2861-2869	Industrial Organic Chemicals			Facilities with Outdoor Raw Material Piles - Oil & Grease, COD, TSS, pH
C5	2891-2899	Miscellaneous Chemical Products			Facilities with Outdoor Raw Material Piles - Oil & Grease, COD, TSS, pH
D1	2951, 2952	Asphalt Paving and Roofing Materials	TSS = 100 mg/l	Asphalt Emulsion Facilities Only - TSS = 15 mg/l 30d avg, 23 mg/l daily max, pH = 6.5-9, Oil & Grease = 10 mg/l 30d avg, 15 mg/l daily max	
D2	2992, 2999	Miscellaneous Products of Petroleum and Coal			
E1	3251-3259	Structural Clay Products	Aluminum = 0.75 mg/l		
E1	3261-3269	Pottery and Related Products	Aluminum = 0.75 mg/l		
E2	3271-3275	Concrete, Gypsum, and Plaster Products	TSS = 100 mg/l	Material Storage Piles at Cement Mfg Facility - TSS = 50 mg/l daily max, pH = 6.5-9	Lime Mfg, Cement Mfg, & Ready Mix Concrete - Oil & Grease, COD, TSS, pH (SIC 3273 & 3274)
E3	3211	Flat Glass			
E3	3231	Glass Products Made of Purchased Glass			
E3	3241	Hydraulic Cement			
E3	3281	Cut Stone and Stone Products			
E3	3221, 3229	Glass and Glassware, Pressed or Blown			
E3	3291-3299	Abrasive, Asbestos, and Miscellaneous Nonmetallic Mineral Products			
F1	3312-3317	Steel Works, Blast Furnaces, and Rolling and Finishing Mills	Aluminum = 0.75 mg/l, Zinc = Hardness Dependent		Oil & Grease, BOD, COD, TSS, pH, Pb, Cd, Cu, As, Cr
F2	3321-3325	Iron and Steel Foundries	Aluminum = 0.75 mg/l, TSS = 100 mg/l, Copper & Zinc = Hardness Dependent		Oil & Grease, BOD, COD, TSS, pH, Pb, Cd, Cu, As, Cr
F3	3351-3357	Rolling, Drawing, and Extruding of Nonferrous Metals	Copper & Zinc = Hardness Dependent		Oil & Grease, BOD, COD, TSS, pH, Pb, Cd, Cu, As, Cr
F4	3363-3369	Nonferrous Foundries (Castings)	Copper & Zinc = Hardness Dependent		Oil & Grease, BOD, COD, TSS, pH, Pb, Cd, Cu, As, Cr
F5	3341	Secondary Smelting and Refining of Nonferrous Metals			Oil & Grease, BOD, COD, TSS, pH, Pb, Cd, Cu, As, Cr
F5	3331-3339	Primary Smelting and Refining of Nonferrous Metals			Oil & Grease, BOD, COD, TSS, pH, Pb, Cd, Cu, As, Cr
F5	3398, 3399	Miscellaneous Primary Metal Products			Oil & Grease, BOD, COD, TSS, pH, Pb, Cd, Cu, As, Cr
I1	1311	Crude Petroleum and Natural Gas			
I1	1321	Natural Gas Liquids			

Analytical Monitoring Requirements - OHR000005 vs. OHR000004

Industrial Subsector	Regulated SIC Codes	Type of Industry	OHR000005 Analytical Monitoring Requirements		OHR000004 Analytical Monitoring Requirements
			Benchmark Sampling	Effluent Sampling	
I1	1381-1389	Oil and Gas Field Services			
J1	1442	Construction Sand and Gravel	TSS = 100 mg/l	pH = 6.5-9, TSS = 25 mg/l avg, 45mg/l max	Not Eligible for General Permit Coverage
J1	1446	Industrial Sand	TSS = 100 mg/l	pH = 6.5-9, TSS = 25 mg/l avg, 45mg/l max	Not Eligible for General Permit Coverage
J2	1411	Dimension Stone	TSS = 100 mg/l		Not Eligible for General Permit Coverage
J2	1481	Nonmetallic Minerals Services, Except Fuels	TSS = 100 mg/l		Not Eligible for General Permit Coverage
J2	1499	Miscellaneous Nonmetallic Minerals, Except Fuels	TSS = 100 mg/l		Not Eligible for General Permit Coverage
J2	1422-1429	Crushed and Broken Stone, Including Rip Rap	TSS = 100 mg/l	pH = 6.5-9	Not Eligible for General Permit Coverage
J3	1455, 1459	Clay, Ceramic, and Refractory Materials			Not Eligible for General Permit Coverage
J3	1474-1479	Chemical and Fertilizer Mineral Mining			Not Eligible for General Permit Coverage
K1		Hazardous Waste Treatment, Storage, or Disposal Facilities, including those that are operating under interim status or a permit under subtitle C of RCRA	Ammonium = 3.1 mg/l, COD = 120 mg/l, Mn = 0.064 mg/l, As = 0.34 mg/l, Hg = 0.0017 mg/l, Se = 0.005 mg/l, Cd, Cr, Pb, & Ag = Hardness Dependent		Haz. Waste Incinerators - Oil & Grease, COD, Total N, pH, Pb, Cd, As, Cr, Total & Diss Mg, TDS, TOC, Ba, Cr, Hg, Se, Ag
L1		Closed Landfills	TSS = 100 mg/l		Not Eligible for General Permit Coverage
M1	5015	Automobile Salvage Yards	TSS = 100 mg/l, Aluminum = 0.75 mg/l, Lead = Hardness Dependent		Facilities with 250 Drivelines, 500 Autodies, or 100 Dismantled Units - Oil & Grease, COD, TSS, pH
N1	5093	Scrap Recycling and Waste Recycling Facilities except Source-Separated Recycling	COD = 120 mg/l, TSS = 100 mg/l, Al = 0.75 mg/l, Cu, Pb, & Zn = Hardness Dependent		Facilities with 250 Drivelines, 500 Autodies, or 100 Dismantled Units - Oil & Grease, COD, TSS, pH
N2	5093	Source-separated Recycling Facility			
O1		Steam Electric Plants		Outdoor Coal Storage Piles - TSS = 50 mg/l, pH = 6.5-9	Outdoor Coal Storage Piles - Oil & Grease, TSS, pH, Cu, Ni, Zn
O1		Oil-Fired Steam Electric Power Generating Facilities			Oil & Grease, COD, TSS, pH
P1	4311	United States Postal Service			
P1	4011, 4013	Railroad Transportation			
P1	4111-4173	Local and Highway Passenger Transportation			
P1	4212-4231	Motor Freight Transportation and Warehousing			
Q1	4412-4492, 4499	Water Transportation Facilities (except Marinas SIC 4493)	Aluminum = 0.75 mg/l, Lead & Zinc = Hardness Dependent		
R1	3731, 3732	Ship and Boat Building or Repairing Yards			Oil & Grease, COD, TSS, pH
S1	4512-4581	Air Transportation Facilities	Airports using > 100,000 gal glycol or 100 tons urea/yr - BOD = 30 mg/l, COD = 120 mg/l, Ammonia = 3.1 mg/l, pH = 6.5-9		Airports with 50,000 Flights OR Any Deicing - Oil & Grease, BOD, COD, TSS, pH,
T1	WWTPs > 1 MGD	Treatment Works treating domestic sewage or any other sewage sludge or wastewater treatment device or system			
U1	2041-2048	Grain Mill Products	TSS = 100 mg/l		
U2	2074-2079	Fats and Oils Products	BOD = 30 mg/l, COD = 120 mg/l, TSS = 100 mg/l, Nitrate +Nitrite Nitrogen = 0.68 mg/l		Outdoor Meat Handling - Oil & Grease, BOD, TSS, Total Nitrogen, Phosphorus, pH, Fecal Coliform
U3	2011-2015	Meat Products			Outdoor Meat Handling - Oil & Grease, BOD, TSS, Total Nitrogen, Phosphorus, pH, Fecal Coliform
U3	2021-2026	Dairy Products			
U3	2032-2038	Canned, Frozen, and Preserved Fruits, Vegetables, and Food Specialties			
U3	2051-2053	Bakery Products			
U3	2061-2068	Sugar and Confectionery Products			
U3	2082-2087	Beverages			
U3	2091-2099	Miscellaneous Food Preparations and Kindred Products			
U3	2111-2141	Tobacco Products			
V1	2211-2299	Textile Mill Products			
V1	2311-2399	Apparel and Other Finished Products Made from Fabrics and Similar Materials			
V1	3131-3199	Leather and Leather Products (note: see Sector Z1 for Leather Tanning and Finishing)			
W1	2434	Wood Kitchen Cabinets			Facilities treating wood with Chlorophenolic, Creosote, or Chromium-Arsenic Formulations
W1	2511-2599	Furniture and Fixtures			
X1	2711-2796	Printing, Publishing, and Allied Industries			
Y1	3011	Tires and Inner Tubes	Zinc = Hardness Dependent		Facilities with Outdoor Raw Material Piles - Oil & Grease, COD, TSS, pH
Y1	3021	Rubber and Plastics Footwear	Zinc = Hardness Dependent		Facilities with Outdoor Raw Material Piles - Oil & Grease, COD, TSS, pH
Y1	3052, 3053	Gaskets, Packing and Sealing Devices, and Rubber and Plastic Hoses and Belting	Zinc = Hardness Dependent		Facilities with Outdoor Raw Material Piles - Oil & Grease, COD, TSS, pH
Y1	3061, 3069	Fabricated Rubber Products, Not Elsewhere Classified	Zinc = Hardness Dependent		Facilities with Outdoor Raw Material Piles - Oil & Grease, COD, TSS, pH
Y2	3931	Musical Instruments			
Y2	3081-3089	Miscellaneous Plastics Products			Facilities with Outdoor Raw Material Piles - Oil & Grease, COD, TSS, pH
Y2	3942-3949	Dolls, Toys, Games, and Sporting and Athletic Goods			
Y2	3951, 3953, 3955	Pens, Pencils, and Other Artists' Materials			
Y2	3961, 3965	Costume Jewelry, Costume Novelties, Buttons, and Miscellaneous Notions, Except Precious Metal			
Y2	3991-3999	Miscellaneous Manufacturing Industries			
Z1	3111	Leather Tanning and Finishing			
AA1	3411-3499 (except 3479)	Fabricated Metal Products, Except Machinery and Transportation Equipment, and Coating, Engraving, and Allied Services	Aluminum = 0.75 mg/l, Zinc = Hardness Dependent, Nitrate + Nitrite Nitrogen = 0.68 mg/l		
AA1	3911-3915	Jewelry, Silverware, and Plated Ware			
AA2	3479	Fabricated Metal Coating and Engraving	Zinc = Hardness Dependent, Nitrate + Nitrite Nitrogen = 0.68 mg/l		
AB1	3511-3599 (except 3571-3579)	Industrial and Commercial Machinery, Except Computer and Office Equipment (see Sector AC)			
AB1	3711-3799 (except 3731,3732)	Transportation Equipment Except Ship and Boat Building and Repairing (see Sector R)			
AC1	3571-3579	Computer and Office Equipment			
AC1	3612-3699	Electronic and Electrical Equipment and Components, Except Computer Equipment			SIC 3691 Lead Acid Battery Storage - Oil & Grease, COD, TSS, pH, Lead, Copper
AC1	3812-3873	Measuring, Analyzing, and Controlling Instruments; Photographic and Optical Goods, Watches, and Clocks			