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Industrial stormwater: requirements, guidance and sampling exceedance suggestions for each sector

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Sector A

Sector A: Timber Products requirements, guidance and sampling exceedance suggestions:

MPCA Timber Industries Sector-Specific Permit Requirements (<https://www.pca.state.mn.us/sites/default/files/wq-strm3-67a1.pdf>)



Harvested trees in Minnesota

EPA Pollutants and Control Measures Fact Sheet	MPCA Guidance
EPA Timber Products Fact Sheet (http://www.epa.gov/npdes/pubs/sector_a_timber.pdf)	Sector A: Timber Products, Industrial Stormwater Pollution Prevention (https://www.pca.state.mn.us/sites/default/files/p-p2s8-01.pdf)

Pollutant-specific-exceedance	Guidance & Suggestions
Chemical Oxygen Demand	<ul style="list-style-type: none"> ▪ Address any decaying wood pallets, sawdust and other wood products/waste, look for other decaying materials. Watch this area to determine whether this is a one-time or longer-term problem ▪ Create buffers/berms before stormwater is discharged. Tarp/cover wood ash. Address any off-site tracking of ash/wood waste. Increase or start sweeping and other general good housekeeping practices.

Sector	# of Permittees	# of NE Certifiers	Total, as of 6-6-2018	Sector-Specific Trade Associations	Contact	General Industry Trade Associations	Contact
Sector A	63	32	95	<ul style="list-style-type: none"> ▪ MN Forest Industries (https://www.mnnesotaforests.com) ▪ MN Forest Resources Council (https://mn.gov/frc/forest-products-industry.html) ▪ Timber Producers Association (https://www.mntimberproducers.com/) 	<ul style="list-style-type: none"> ▪ MN Forests Industries contact (mailto:info@minnesotaforests.com) ▪ MN Forest Council contact (mailto:mfrc.info@state.mn.us) ▪ Timber Producers Association contact (mailto:rayhiggins@timberproducers.com) 	<ul style="list-style-type: none"> ▪ MN Waste Wise (http://www.mnwastewis.e.org/) ▪ MN Technical Assistance Program (http://www.mntap.u mn.edu/) ▪ Coalition of MN Businesses (https://mnbusiness.com/) ▪ MN Water Quality Association (http://www.mwqa.com/) ▪ MPCA Small Business (https://www.pca.state.mn.us/quick-links/small-business-environmental-assistance-program) 	<ul style="list-style-type: none"> ▪ MN Waste Wise contact (mailto:mwwf@mnchamber.com) ▪ MN Technical Assistance Program contact (mailto:mntap@umn.edu) ▪ Coalition of MN Businesses contact (mailto:emb@mnbusiness.com) ▪ MN Water Quality Association contact (mailto:info@mwqa.com)

Facility coverage cards, cover letters, sampling forms, contact information and more can be found through the Industrial Stormwater Permit Information Access (<http://cf.pca.state.mn.us/water/stormwater/isw/search.cfm>) tool.

Sector B

Sector B: Paper and Allied Products Manufacturing requirements, guidance, and sampling exceedance suggestions:

MPCA Paper and Allied Products Manufacturing Sector-Specific Permit Requirements (<https://www.pca.state.mn.us/sites/default/files/wq-strm3-67a2.pdf>)

EPA Pollutants and Control Measures Fact Sheet

EPA Paper and Allied Products Manufacturing fact sheet (http://www.epa.gov/npdes/pubs/sector_b_paper.pdf)



Manufacturing paper products at a Minnesota company.

Sector	# of Permittees	# of NE Certifiers	Total, as of 6-6-2018	Sector-Specific Trade Associations	Contact	General Industry Trade Associations	Contact
Sector B	29	36	65	<ul style="list-style-type: none"> ▪ American Forest and Paper Association (http://www.afandpa.org/) ▪ Composite Can & Tube Institute (https://www.cantube.org/) 	<ul style="list-style-type: none"> ▪ American Forest and Paper Association contact (https://www.cantube.org/) ▪ Composite Can & Tube Institute contact (https://www.cantube.org/contact/) 	<ul style="list-style-type: none"> ▪ MN Waste Wise (http://www.mnwastewise.org/) ▪ MN Technical Assistance Program (http://www.mntap.umn.edu/) ▪ Coalition of MN Businesses (https://mnbusiness.com/) ▪ MN Water Quality Association (http://www.mwqa.com/) ▪ MPCA Small Business (https://www.pca.state.mn.us/quick-links/small-business-environmental-assistance-program) 	<ul style="list-style-type: none"> ▪ MN Waste Wise contact (mailto:mwwf@mnchamber.com) ▪ MN Technical Assistance Program contact (mailto:mntap@umn.edu) ▪ Coalition of MN Businesses contact (mailto:cmb@mnbusiness.com) ▪ MN Water Quality Association contact (mailto:info@mwqa.com)

Facility coverage cards, cover letters, sampling forms, contact information and more can be found through the Industrial Stormwater Permit Information Access (<http://cf.pca.state.mn.us/water/stormwater/isw/search.cfm>) tool.

Sector C

Sector C: Chemical and Allied Products Manufacturing requirements, guidance, and sampling exceedance suggestions:

MPCA Chemical and Allied Products Manufacturing Sector-Specific Permit Requirements (<https://www.pca.state.mn.us/sites/default/files/wq-strm3-67a3.pdf>)

EPA Pollutants and Control Measures Fact Sheet	MPCA Guidance
EPA Chemical and Allied Products Manufacturing Fact Sheet (http://www.epa.gov/npdes/pubs/sector_c_chemical.pdf)	Sector C: Chemical and Allied Products Manufacturing, Industrial Stormwater Pollution Prevention (https://www.pca.state.mn.us/sites/default/files/p-p2s8-02.pdf)



Chemical manufacturing facility staff

Sector	# of Permittees	# of NE Certifiers	Total, as of 6-6-2018	Sector-Specific Trade Associations	Contact	General Industry Trade Associations	Contact
Sector C	51	109	160	<ul style="list-style-type: none"> Society of Chemical Manufacturers & Affiliates (http://www.socma.com/) American Chemistry Council (https://www.americanchemistry.com/default.aspx) MN Bio-Fuels Association (https://mnbiofuels.org/) 	<ul style="list-style-type: none"> Society of Chemical Manufacturers & Affiliates contact (mailto:helminiakr@socma.com) American Chemistry Council contact (mailto:Andrew_Fasoli@americanchemistry.com) MN Bio-Fuels Association (mailto:info@mnbiofuels.org) 	<ul style="list-style-type: none"> MN Waste Wise (http://www.mnwastewise.org/) MN Technical Assistance Program (http://www.mntap.umn.edu/) Coalition of MN Businesses (https://mnbusiness.com/) MN Water Quality Association (http://www.mwqa.com/) MPCA Small Business (https://www.pca.state.mn.us/quick-links/small-business-environmental-assistance-program) 	<ul style="list-style-type: none"> MN Waste Wise contact (mailto:mwwf@mnchamber.com) MN Technical Assistance Program contact (mailto:mntap@umn.edu) Coalition of MN Businesses contact (mailto:cmb@mnbusiness.com) MN Water Quality Association contact (mailto:info@mwqa.com)

Facility coverage cards, cover letters, sampling forms, contact information and more can be found through the Industrial Stormwater Permit Information Access (<http://cf.pca.state.mn.us/water/stormwater/isw/search.cfm>) tool.

Sector D

Sector D: Asphalt Paving and Roofing Materials and Lubricant Manufacturing requirements, guidance and sampling exceedance suggestions:

MPCA Asphalt Paving and Roofing Materials and Lubricant Manufacturing Sector-Specific Permit Requirements (<https://www.pca.state.mn.us/sites/default/files/wq-strm3-67a4.pdf>)

EPA Pollutants and Control Measures Fact Sheet
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EPA fact sheet - Asphalt paving and roofing materials manufacturers and lubricant manufacturers (http://www.epa.gov/npdes/pubs/sector_d_asphalt.pdf)



Recycled asphalt, to be used for future asphalt manufacturing.

Do you have multiple facility locations?

Consider getting the multi-site "Nonmetallic mining and associated activities" NPDES/SDS general permit (<https://www.pca.state.mn.us/sites/default/files/wq-wwprm7-33a.pdf>) instead. There are five basic steps for complying with these requirements:

1. Applicability: do you need a permit?
2. Apply for coverage: Permit information and forms
3. Comply with the General Permit requirements
4. Fill out the reporting forms
5. Comply with other (non-MPCA) requirements

For more information, visit the Nonmetallic mining and associated activities general permit website (<https://www.pca.state.mn.us/quick-links/nonmetallic-mining-and-associated-activities>).

Sector	# of Permittees	# of NE Certifiers	Total, as of 6-6-2018	Sector-Specific Trade Associations	Contact	General Industry Trade Associations	Contact
Sector D	19	3	22	<ul style="list-style-type: none"> ▪ MN Asphalt Paving Association (https://www.asphaltisbest.com/) ▪ Asphalt Institute (http://www.asphaltinstitute.org/) 	<ul style="list-style-type: none"> ▪ MN Asphalt Paving Association contact (mailto:info@mnapa.org) ▪ Asphalt Institute contact (mailto:info@mnapa.org) 	<ul style="list-style-type: none"> ▪ MN Waste Wise (http://www.mnwastewise.org/) ▪ MN Technical Assistance Program (http://www.mntap.umn.edu/) ▪ Coalition of MN Businesses (https://mnbusiness.com/) ▪ MN Water Quality Association (http://www.mwqa.com/) ▪ MPCA Small Business (https://www.pca.state.mn.us/quick-links/small-business-environmental-assistance-program) 	<ul style="list-style-type: none"> ▪ MN Waste Wise contact (mailto:mwwf@mnchamber.com) ▪ MN Technical Assistance Program contact (mailto:mntap@umn.edu) ▪ Coalition of MN Businesses contact (mailto:cmb@mnbusiness.com) ▪ MN Water Quality Association contact (mailto:info@mwqa.com)

Facility coverage cards, cover letters, sampling forms, contact information and more can be found through the **Industrial Stormwater Permit Information Access** (<http://cf.pca.state.mn.us/water/stormwater/isw/search.cfm>) tool.

Sector E

Sector E: Glass, Clay, Cement, Concrete, and Gypsum Products Manufacturing requirements, guidance and sampling exceedance suggestions:

MPCA Glass, Clay, Cement, Concrete, and Gypsum Products Manufacturing Sector-Specific Permit Requirements (<https://www.pca.state.mn.us/sites/default/files/wq-strm3-67a5.pdf>)

EPA Pollutants and Control Measures Fact Sheet
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EPA Glass, Clay, Cement, Concrete, and Gypsum Product Manufacturing Fact Sheet (http://www.epa.gov/npdes/pubs/sector_e_glass.pdf)
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Pollutant-specific-exceedance	Guidance & Suggestions
Iron	<p>Consider:</p> <ul style="list-style-type: none"> ▪ Dust suppression/management ▪ Product/cutting management ▪ Slurry management ▪ If you cut concrete, manage the spray wastewater appropriately. Contaminated wastewater cannot be discharged to surface or to the ground. <p>EPA offers sector-specific fact sheets with BMP options. Sector E's fact sheet (http://www.epa.gov/npdes/pubs/sector_e_glass.pdf) highlights:</p> <ul style="list-style-type: none"> ▪ In general, incorporate better housekeeping techniques - Truck wheel contribution to offsite loss? Dry pond characteristics – may be able to tweak operations by deepening or increasing outlet. Dry ponds generally don't treat particulates very well – easier to re-suspend. ▪ Sketch on aerial photos to help identify key site operations, truck traffic and bulk handling areas, covered piles, washout zones, etc. ▪ Move monitoring location, slope the land, or divert stormwater to an area where small structural BMPs can be installed. Monitor before stormwater moves into a culvert if the concern is that the culvert is leading to the higher TSS. Make pond/sedimentation system (2-celled system).



Recover and recycle concrete mixing wash water back into the truck.

Do you have multiple facility locations? Consider getting the multi-site "Nonmetallic mining and associated activities" NPDES/SDS general permit (<https://www.pca.state.mn.us/sites/default/files/wq-wwprm7-33a.pdf>) instead. There are five basic steps for complying with these requirements:

1. Applicability: do you need a permit?
2. Apply for coverage: Permit information and forms
3. Comply with the General Permit requirements
4. Fill out the reporting forms
5. Comply with other (non-MPCA) requirements

For more information, visit the Nonmetallic mining general permit website (<https://www.pca.state.mn.us/quick-links/nonmetallic-mining-and-associated-activities>).

Sector	# of Permittees	# of NE Certifiers	Total, as of 6-6-2018	Sector-Specific Trade Associations	Contact	General Industry Trade Associations	Contact
Sector E	78	26	108	<ul style="list-style-type: none"> ▪ MN Aggregate & Ready Mix Association (https://www.armofmn.com/) ▪ Concrete Paving Association of MN (http://www.concreteisbetter.com/) ▪ MN Concrete Council (http://www.mnconcretecouncil.com) ▪ MN Concrete Pipe Association (http://www.mnconpipe.org/index.shtm) 	<ul style="list-style-type: none"> ▪ MN Aggregate & Ready Mix Association contact (mailto:fcorrigan@armofmn.com) ▪ Concrete Paving Association of MN (http://www.concreteisbetter.com/about/contact-us/) ▪ MN Concrete Council contact (mailto:info@mnconcretecouncil.com) ▪ MN Concrete Pipe Association contact (mailto:producers@mnconpipe.org) 	<ul style="list-style-type: none"> ▪ MN Waste Wise (http://www.mnwastewisec.org/) ▪ MN Technical Assistance Program (http://www.mntap.umn.edu/) ▪ Coalition of MN Businesses (https://mnbusiness.com/) ▪ MN Water Quality Association (http://www.mwqa.com/) ▪ MPCA Small Business (https://www.pca.state.mn.us/quick-links/small-business-environmental-assistance-program) 	<ul style="list-style-type: none"> ▪ MN Waste Wise contact (mailto:mwwf@mnchamber.com) ▪ MN Technical Assistance Program contact (mailto:mntap@umn.edu) ▪ Coalition of MN Businesses contact (mailto:cmb@mnbusiness.com) ▪ MN Water Quality Association contact (mailto:info@mwqa.com)

Facility coverage cards, cover letters, sampling forms, contact information and more can be found through the Industrial Stormwater Permit Information Access (<http://cf.pca.state.mn.us/water/stormwater/isw/search.cfm>) tool.

Sector F

Sector F: Primary Metals requirements, guidance and sampling exceedance suggestions:

MPCA Primary Metals Sector-Specific Permit Requirements (<https://www.pca.state.mn.us/sites/default/files/wq-strm3-67a6.pdf>)

EPA Pollutants and Control Measures Fact Sheet
EPA Primary Metals Fact Sheet (http://www.epa.gov/npdes/pubs/sector_f_primarymetals.pdf)

Sector	# of Permittees	# of NE Certifiers	Total, as of 6-6-2018	Sector-Specific Trade Associations	Contact	General Industry Trade Associations	Contact
Sector F	38	37	75	<ul style="list-style-type: none"> American Foundry Society, Twin Cities (http://afstwinocities.org/) American Foundry Society (https://www.afsinc.org/) 	<ul style="list-style-type: none"> American Foundry Society, Twin Cities contact (http://afstwinocities.org/contact-us/) American Foundry Society contact (mailto:cusser.v@afsinc.org) 	<ul style="list-style-type: none"> MN Waste Wise (http://www.mnwastewise.org/) MN Technical Assistance Program (http://www.mntap.umn.edu/) Coalition of MN Businesses (https://mnbusiness.com/) MN Water Quality Association (http://www.mwqa.com/) MPCA Small Business (https://www.pca.state.mn.us/quick-links/small-business-environmental-assistance-program) 	<ul style="list-style-type: none"> MN Waste Wise contact (mailto:mwwf@mnchamber.com) MN Technical Assistance Program contact (mailto:mntap@umn.edu) Coalition of MN Businesses contact (mailto:emb@mnbusiness.com) MN Water Quality Association contact (mailto:info@mwqa.com)

Sector G

Sector G: Metal Mining (Ore Mining and Dressing) requirements, guidance and sampling exceedance suggestions:

MPCA Metal Mining (Ore Mining and Dressing) Sector-Specific Permit Requirements (<https://www.pca.state.mn.us/sites/default/files/wq-strm3-67a7.pdf>)



Minnesota metal mining facility

EPA Pollutants and Control Measures Fact Sheet
EPA Metal Mining (Ore Mining and Dressing) Fact Sheet (http://www.epa.gov/npdes/pubs/sector_g_metalmining.pdf)

Sector	# of Permittees	# of NE Certifiers	Total, as of 6-6-2018	Sector-Specific Trade Associations	Contact	General Industry Trade Associations	Contact
Sector G	2	3	5	<ul style="list-style-type: none"> ▪ Mining MN (http://www.miningmn.com/) ▪ Iron Mining Association of MN (http://www.taconite.org) 	<ul style="list-style-type: none"> ▪ Mining MN contact (mailto:fongaro@miningmn.com) ▪ Iron Mining Association of MN contact (mailto:info@taconite.org) 	<ul style="list-style-type: none"> ▪ MN Waste Wise (http://www.mnwastewise.org/) ▪ MN Technical Assistance Program (http://www.mntap.umn.edu/) ▪ Coalition of MN Businesses (https://mnbusiness.com/) ▪ MN Water Quality Association (http://www.mwqa.com/) ▪ MPCA Small Business (https://www.pca.state.mn.us/quick-links/small-business-environmental-assistance-program) 	<ul style="list-style-type: none"> ▪ MN Waste Wise contact (mailto:mwwf@mnchamber.com) ▪ MN Technical Assistance Program contact (mailto:mntap@umn.edu) ▪ Coalition of MN Businesses contact (mailto:cmb@mnbusiness.com) ▪ MN Water Quality Association contact (mailto:info@mwqa.com)

Facility coverage cards, cover letters, sampling forms, contact information and more can be found through the Industrial Stormwater Permit Information Access (<http://cf.pca.state.mn.us/water/stormwater/isw/search.cfm>) tool.

Sector H

Sector H

Sector I

Sector I: Oil and Gas Extraction and Refining requirements, guidance and sampling exceedance suggestions:

MPCA Oil and Gas Extraction and Refining Sector-Specific Permit Requirements (<https://www.pca.state.mn.us/sites/default/files/wq-strm3-67a9.pdf>)

EPA Pollutants and Control Measures Fact Sheet

EPA Oil and Gas Extraction and Refining Fact Sheet (http://www.epa.gov/npdes/pubs/sector_i_oilgas.pdf)
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Minnesota oil refinery in the winter time.

Sector	# of Permittees	# of NE Certifiers	Total, as of 6-6-2018	Sector-Specific Trade Associations	Contact	General Industry Trade Associations	Contact
Sector I	1	0	1	<ul style="list-style-type: none"> ▪ National Petrochemical and Refiners Assn (https://www.afpm.org/) ▪ American Petroleum Institute (http://www.api.org/) 	<ul style="list-style-type: none"> ▪ National Petrochemical and Refiners Assn contact (mailto:info@afpm.org) ▪ American Petroleum Institute contact (http://www.api.org/contact) 	<ul style="list-style-type: none"> ▪ MN Waste Wise (http://www.mnwastewise.org/) ▪ MN Technical Assistance Program (http://www.mntap.umn.edu/) ▪ Coalition of MN Businesses (https://mnbusiness.com/) ▪ MN Water Quality Association (http://www.mwqa.com/) ▪ MPCA Small Business (https://www.pca.state.mn.us/quick-links/small-business-environmental-assistance-program) 	<ul style="list-style-type: none"> ▪ MN Waste Wise contact (mailto:mwwf@mnchamber.com) ▪ MN Technical Assistance Program contact (mailto:mntap@umn.edu) ▪ Coalition of MN Businesses contact (mailto:cmb@mnbusiness.com) ▪ MN Water Quality Association contact (mailto:info@mwqa.com)

Facility coverage cards, cover letters, sampling forms, contact information and more can be found through the Industrial Stormwater Permit Information Access (<http://cf.pca.state.mn.us/water/stormwater/isw/search.cfm>) tool.

Sector J

Sector J: Mineral Mining and Dressing requirements, guidance and sampling exceedance suggestions:

MPCA Mineral Mining and Dressing Sector-Specific Permit Requirements (<https://www.pca.state.mn.us/sites/default/files/wq-strm3-67a10.pdf>)

EPA Pollutants and Control Measures Fact Sheet
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EPA Mineral Mining and Dressing Fact Sheet (http://www.epa.gov/npdes/pubs/sector_j_mineral_mining.pdf)
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Do you have multiple facility locations?

Consider getting the multi-site

"Nonmetallic mining and associated activities" NPDES/SDS general permit (<https://www.pca.state.mn.us/sites/default/files/wq-wwprm7-33a.pdf>) instead. There are five basic steps for complying with these requirements:

1. Applicability: do you need a permit?
2. Apply for coverage: Permit information and forms
3. Comply with the General Permit requirements
4. Fill out the reporting forms
5. Comply with other (non-MPCA) requirements

For more information, visit the Nonmetallic mining general permit website (<https://www.pca.state.mn.us/quick-links/nonmetallic-mining-and-associated-activities>).



Minnesota sand mining facility

Sector	# of Permittees	# of NE Certifiers	Total, as of 6-6-2018	Sector-Specific Trade Associations	Contact	General Industry Trade Associations	Contact
Sector J	46	2	48	<ul style="list-style-type: none"> ▪ MN Aggregate & Ready Mix Association (https://www.armofmn.com/) 	<ul style="list-style-type: none"> ▪ MN Aggregate & Ready Mix Association contact (mailto:fcorrigan@armofmn.com) 	<ul style="list-style-type: none"> ▪ MN Waste Wise (http://www.mnwastewis.org/) ▪ MN Technical Assistance Program (http://www.mntap.umn.edu/) ▪ Coalition of MN Businesses (https://mnbusiness.com/) ▪ MN Water Quality Association (http://www.mwqa.com/) ▪ MPCA Small Business (https://www.pca.state.mn.us/quick-links/small-business-environmental-assistance-program) 	<ul style="list-style-type: none"> ▪ MN Waste Wise contact (mailto:mwwf@mnchamber.com) ▪ MN Technical Assistance Program contact (mailto:mntap@umn.edu) ▪ Coalition of MN Businesses contact (mailto:emb@mnbusiness.com) ▪ MN Water Quality Association contact (mailto:info@mwqa.com)

Facility coverage cards, cover letters, sampling forms, contact information and more can be found through the Industrial Stormwater Permit Information Access (<http://cf.pca.state.mn.us/water/stormwater/isw/search.cfm>) tool.

Sector K

Sector K: Hazardous Waste Treatment, Storage, or Disposal Facilities requirements, guidance and sampling exceedance suggestions:

MPCA Hazardous Waste Treatment, Storage or Disposal Facility Sector-Specific Permit Requirements (<https://www.pca.state.mn.us/sites/default/files/wq-strm3-67a11.pdf>)

EPA Pollutants and Control Measures Fact Sheet	MPCA Guidance
EPA Hazardous Waste Treatment Storage or Disposal Facilities Fact Sheet (http://www.epa.gov/npdes/pubs/sector_k_hazwaste.pdf)	Solid Waste Facilities - A guide to Minnesota's Industrial Stormwater Permit (https://www.pca.state.mn.us/sites/default/files/wq-strm3-09.pdf)



Hazardous waste barrels at the University of Minnesota's hazardous waste disposal facility. Photo credit: U of M University Health and Safety



Hazardous waste containers at the University of Minnesota's hazardous waste disposal facility. Photo credit: U of M University Health and Safety

Sector	# of Permittees	# of NE Certifiers	Total, as of 6-6-2018	Sector-Specific Trade Associations	Contact	General Industry Trade Associations	Contact
Sector K	13	13	26	<ul style="list-style-type: none"> North American Hazardous Materials Management Association (http://nahmma.org/index.php) 	<ul style="list-style-type: none"> North American Hazardous Materials Management Association contact (http://nahmma.org/form.php?form_id=13) 	<ul style="list-style-type: none"> MN Waste Wise (http://www.mnwastewise.org/) MN Technical Assistance Program (http://www.mntap.umn.edu/) Coalition of MN Businesses (http://mnbusiness.com/) MN Water Quality Association (http://www.mwqa.com/) MPCA Small Business (https://www.pca.state.mn.us/quick-links/small-business-environmental-assistance-program) 	<ul style="list-style-type: none"> MN Waste Wise contact (mailto:mwwf@mnchamber.com) MN Technical Assistance Program contact (mailto:mntap@umn.edu) Coalition of MN Businesses contact (mailto:emb@mnbusiness.com) MN Water Quality Association contact (mailto:info@mwqa.com)

Facility coverage cards, cover letters, sampling forms, contact information and more can be found through the Industrial Stormwater Permit Information Access (<http://cf.pca.state.mn.us/water/stormwater/isw/search.cfm>) tool.

Sector L

Sector L: Landfills and Land Application Sites requirements, guidance and sampling exceedance suggestions:

MPCA Landfill and Land Application Sites Sector-Specific Permit Requirements (<https://www.pca.state.mn.us/sites/default/files/wq-strm3-67a12.pdf>)

EPA Pollutants and Control Measures Fact Sheet	MPCA Guidance
EPA Landfills and Land Application Sites Fact Sheet (http://www.epa.gov/npdes/pubs/sector_1_landfills.pdf)	Solid Waste Facilities - A guide to Minnesota's Industrial Stormwater Permit (https://www.pca.state.mn.us/sites/default/files/wq-strm3-09.pdf)



A Minnesota landfill

Sector	# of Permittees	# of NE Certifiers	Total, as of 6-6-2018	Sector-Specific Trade Associations	Contact	General Industry Trade Associations	Contact
Sector L	87	132	219	<ul style="list-style-type: none"> National Solid Waste Management Association, MN Chapter (http://www.swanmn.org/) 	<ul style="list-style-type: none"> National Solid Waste Management Association, MN Chapter contact (mailto:director@swanmn.org) 	<ul style="list-style-type: none"> MN Waste Wise (http://www.mnwastewise.org/) MN Technical Assistance Program (http://www.mntap.umn.edu/) Coalition of MN Businesses (http://mnbusiness.com/) MN Water Quality Association (http://www.mwqa.com/) MPCA Small Business (https://www.pca.state.mn.us/quick-links/small-business-environmental-assistance-program) 	<ul style="list-style-type: none"> MN Waste Wise contact (mailto:mwwf@mnchamber.com) MN Technical Assistance Program contact (mailto:mntap@umn.edu) Coalition of MN Businesses contact (mailto:cmb@mnbusiness.com) MN Water Quality Association contact (mailto:info@mwqa.com)

Facility coverage cards, cover letters, sampling forms, contact information and more can be found through the Industrial Stormwater Permit Information Access (<http://cf.pca.state.mn.us/water/stormwater/isw/search.cfm>) tool.

Sector M

Sector M: Automobile Salvage Yards requirements, guidance and sampling exceedance suggestions:

MPCA Automobile Salvage Yards Sector-Specific Permit Requirements (<https://www.pca.state.mn.us/sites/default/files/wq-strm3-67a13.pdf>)



A well-maintained auto salvage yard not only protects the environment, it saves a company time and money!



Indoor storage of waste and materials are one of the best stormwater practices



A clean yard helps facilities work more efficiently

EPA Pollutants and Control Measures Fact Sheet	MPCA Guidance	Other (non-MPCA) guidance
<p>EPA fact sheet - Automobile salvage yards (http://www.epa.gov/npdes/pubs/sector_m_autosalvage.pdf)</p>	<ul style="list-style-type: none"> ▪ Vehicle dismantling and salvage (https://www.pca.state.mn.us/sites/default/files/w-hw4-63.pdf) ▪ Solid Waste Facilities - A guide to Minnesota's Industrial Stormwater Permit (https://www.pca.state.mn.us/sites/default/files/wq-strm3-09.pdf) ▪ Sector M: Automotive Salvage Yards, Industrial Stormwater Pollution Prevention (https://www.pca.state.mn.us/sites/default/files/pp2s8-03.pdf) 	<p>Auto recycling industry compliance guide (http://www.ct.gov/deep/lib/deep/compliance_assistance/manuals_guidelines/autorecyclingguide.pdf)</p>

Pollutant-specific-exceedances	Guidance & Suggestions
<p>Aluminum/Iron</p>	<ul style="list-style-type: none"> ▪ EPA Auto Salvage (http://www.epa.gov/npdes/pubs/sector_m_autosalvage.pdf) (specifically the “heavy metals” references) ▪ Presuming the parking lots are paved, utilizing a street sweeper for the parking lot areas may help. Of the two generic types of street sweepers; one pushes debris away, and the other has some sort of filter (that can capture and filter out pollutants). ▪ The MPCA Vehicle dismantling and salvage (https://www.pca.state.mn.us/sites/default/files/w-hw4-63.pdf) ▪ The manual provides some BMP ideas to manage industrial activities related to failing parking lots, such as car hulls/parts storage, crushing and/or, sand-blasting activities, or other industry-specific reasons. ▪ The Wisconsin DNR guidance suggests that to control high levels of iron and aluminum, solutions might include proprietary filters, bioretention, and sand filters. A large BMP, such as a wet pond, might need the addition of a polymer to attain a high level of iron control. ▪ Washington state guidance includes a Metal/Vehicle Recyclers Manual (https://fortress.wa.gov/ecy/publications/documents/94146.pdf). See page 24 for general BMPs, pages 29-31 for BMPs for crushing areas, part storing areas, and page 32 offers information about contaminated soils. ▪ Other contacts include Dave Kendzierski with StormTech, 414-549-1578, or Peter Hughes with the USGS at 608-821-3833.

Sector	# of Permittees	# of NE Certifiers	Total, as of 6-6-2018	Sector-Specific Trade Associations	Contact	General Industry Trade Associations	Contact
Sector M	108	0	108	<ul style="list-style-type: none"> Automobile Recyclers of MN (http://www.automotorecyclers.mn.net/) 	<ul style="list-style-type: none"> Automobile Recyclers of MN contact (mailto:arm123@comcast.net) 	<ul style="list-style-type: none"> MN Waste Wise (http://www.mnwastewise.org/) MN Technical Assistance Program (http://www.mntap.umn.edu/) Coalition of MN Businesses (https://mnbusiness.com/) MN Water Quality Association (http://www.mwqa.com/) MPCA Small Business (https://www.pca.state.mn.us/quick-links/small-business-environmental-assistance-program) 	<ul style="list-style-type: none"> MN Waste Wise contact (mailto:mwwf@mnchamber.com) MN Technical Assistance Program contact (mailto:mntap@umn.edu) Coalition of MN Businesses contact (mailto:cmb@mnbusiness.com) MN Water Quality Association contact (mailto:info@mwqa.com)

Facility coverage cards, cover letters, sampling forms, contact information and more can be found through the Industrial Stormwater Permit Information Access (<http://cf.pca.state.mn.us/water/stormwater/isw/search.cfm>) tool.

Sector N

Sector N: Scrap Recycling and Waste Recycling Facilities guidance and sampling exceedance suggestions:

MPCA Scrap Recycling and Waste Recycling Facilities Sector-Specific Permit Requirements (<http://www.pca.state.mn.us/sites/default/files/wq-strm3-67a14.pdf>)

EPA Pollutants and Control Measures Fact Sheet	MPCA Guidance	Other (non-MPCA) guidance
EPA Scrap Recycling and Waste Recycling Facilities Fact Sheet (http://www.epa.gov/npdes/pubs/sector_n_scraprecycling.pdf)	<ul style="list-style-type: none"> Sector N: Scrap Recycling and Waste Recycling Facilities, Industrial Stormwater Pollution Prevention (https://www.pca.state.mn.us/sites/default/files/p-p2s8-04.pdf) Solid Waste Facilities - A guide to Minnesota's Industrial Stormwater Permit (https://www.pca.state.mn.us/sites/default/files/wq-strm3-09.pdf) 	<ul style="list-style-type: none"> Connecticut Auto recycling industry compliance guide (http://www.ct.gov/deep/lib/deep/compliance_assistance/manuals_guidelines/autorecyclingguide.pdf) Washington Vehicle and Metal Recyclers: A Guide for Implementing Permit Requirements (https://fortress.wa.gov/ecy/publications/documents/94146.pdf)

Pollutant-specific-exceedance	Guidance & Suggestions
Aluminum/Iron	<ul style="list-style-type: none"> ■ Presuming the parking lots are paved, utilizing a street sweeper for the parking lot areas may help. Of the two generic types of street sweepers; one pushes debris away, and the other has some sort of filter that can capture and filter out pollutants. ■ The Wisconsin DNR guidance suggests that to control high levels of iron and aluminum, solutions might include proprietary filters, bioretention, and sand filters. A large BMP, such as a wet pond, might need the addition of a polymer to attain a high level of iron control. ■ Washington state guidance includes a Metal/Vehicle Recyclers Manual (https://fortress.wa.gov/ecy/publications/documents/94146.pdf). See page 24 for general BMPs, pages 29-31 for BMPs for crushing areas, part storing areas, and page 32 offers information about contaminated soils.



Recycling keeps materials out of the landfill, saves money, and provides jobs for a growing industry.

Sector	# of Permittees	# of NE Certifiers	Total, as of 6-6-2018	Sector-Specific Trade Associations	Contact	General Industry Trade Associations	Contact
Sector N	203	70	273	<ul style="list-style-type: none"> ▪ Recycling Association of MN (http://recycleminnesota.org/) ▪ Coalition for American Electronics Recycling (http://www.americanrecycling.org/home.html) 	<ul style="list-style-type: none"> ▪ Recycling Association of MN contact (mailto:ram@recycleminnesota.org) ▪ Coalition for American Electronics Recycling contact (mailto:info@americanrecycling.org) 	<ul style="list-style-type: none"> ▪ MN Waste Wise (http://www.mnwastewise.org/) ▪ MN Technical Assistance Program (http://www.mntap.umn.edu/) ▪ Coalition of MN Businesses (https://mnbusiness.com/) ▪ MN Water Quality Association (http://www.mwqa.com/) ▪ MPCA Small Business (https://www.pca.state.mn.us/quick-links/small-business-environmental-assistance-program) 	<ul style="list-style-type: none"> ▪ MN Waste Wise contact (mailto:mwwf@mnchamber.com) ▪ MN Technical Assistance Program contact (mailto:mntap@umn.edu) ▪ Coalition of MN Businesses contact (mailto:emb@mnbusiness.com) ▪ MN Water Quality Association contact (mailto:info@mwqa.com)

Facility coverage cards, cover letters, sampling forms, contact information and more can be found through the Industrial Stormwater Permit Information Access (<http://cf.pca.state.mn.us/water/stormwater/isw/search.cfm>) tool.

Sector O

Sector O: Steam Electric Generating Facilities requirements, guidance and sampling exceedance suggestions:

MPCA Steam Electric Generating Facilities Sector-Specific Permit Requirements (<https://www.pca.state.mn.us/sites/default/files/wq-strm3-67a15.pdf>)

EPA Pollutants and Control Measures Fact Sheet	MPCA Guidance
EPA Steam Electric Generating Facilities Fact Sheet (http://www.epa.gov/npdes/pubs/sector_o_steamelectricpower.pdf)	Solid Waste Facilities - A guide to Minnesota's Industrial Stormwater Permit (https://www.pca.state.mn.us/sites/default/files/wq-strm3-09.pdf)



Minnesota energy company along the Mississippi River

Sector	# of Permittees	# of NE Certifiers	Total, as of 6-6-2018	Sector-Specific Trade Associations	General Industry Trade Associations	Contact
Sector O	11	18	29	This sector doesn't have any known trade associations	<ul style="list-style-type: none"> ▪ MN Waste Wise (http://www.mnwastewise.org/) ▪ MN Technical Assistance Program (http://www.mntap.umn.edu/) ▪ Coalition of MN Businesses (https://mnbusiness.com/) ▪ MN Water Quality Association (http://www.mwqa.com/) ▪ MPCA Small Business (https://www.pca.state.mn.us/quick-links/small-business-environmental-assistance-program) 	<ul style="list-style-type: none"> ▪ MN Waste Wise contact (mailto:mw wf@mnychamber.com) ▪ MN Technical Assistance Program contact (mailto:mntap@umn.edu) ▪ Coalition of MN Businesses contact (mailto:cmb@mnbusiness.com) ▪ MN Water Quality Association contact (mailto:info@mwqa.com)

Facility coverage cards, cover letters, sampling forms, contact information and more can be found through the Industrial Stormwater Permit Information Access (<http://cf.pca.state.mn.us/water/stormwater/isw/search.cfm>) tool.

Sector P

Sector P: Land Transportation and Warehousing requirements, guidance and sampling exceedance suggestions:

MPCA Land Transportation and Warehousing Sector-Specific Permit Requirements (<https://www.pca.state.mn.us/sites/default/files/wq-strm3-67a16.pdf>)

EPA Pollutants and Control Measures Fact Sheet	MPCA Guidance
<p>EPA Land Transportation and Warehousing Fact Sheet (http://www.epa.gov/npdes/publications/sector_p_transportationfacilities.pdf)</p>	<ul style="list-style-type: none"> ■ Sector P: Land Transportation and Warehousing, Industrial Stormwater Pollution Prevention (https://www.pca.state.mn.us/sites/default/files/p-p2s8-07.pdf) ■ Solid Waste Facilities - A guide to Minnesota's Industrial Stormwater Permit (https://www.pca.state.mn.us/sites/default/files/wq-strm3-09.pdf) ■ Guidance on the Industrial Stormwater Permit for Transportation Sectors (https://www.pca.state.mn.us/sites/default/files/wq-strm3-32.pdf)



Trucking company in Minnesota

Sector	# of Permittees	# of NE Certifiers	Total, as of 6-6-2018	Sector-Specific Trade Associations	Contact	General Industry Trade Associations	Contact
Sector P	209	225	534	<ul style="list-style-type: none"> ▪ MN Trucking Association (https://www.mntruck.org/) ▪ MN Transportation Alliance (https://www.transportationalliance.com/) 	<ul style="list-style-type: none"> ▪ MN Trucking Association contact (mailto:mta@mntruck.org) ▪ MN Transportation Alliance contact (mailto:margaret@transportationalliance.com) 	<ul style="list-style-type: none"> ▪ MN Waste Wise (http://www.mnwastewise.org/) ▪ MN Technical Assistance Program (http://www.mntap.umn.edu/) ▪ Coalition of MN Businesses (https://mnbusiness.com/) ▪ MN Water Quality Association (http://www.mwqa.com/) ▪ MPCA Small Business (https://www.pca.state.mn.us/quick-links/small-business-environmental-assistance-program) 	<ul style="list-style-type: none"> ▪ MN Waste Wise contact (mailto:mwwf@mnchamber.com) ▪ MN Technical Assistance Program contact (mailto:mntap@umn.edu) ▪ Coalition of MN Businesses contact (mailto:emb@mnbusiness.com) ▪ MN Water Quality Association contact (mailto:info@mwqa.com)

Facility coverage cards, cover letters, sampling forms, contact information and more can be found through the Industrial Stormwater Permit Information Access (<http://cf.pca.state.mn.us/water/stormwater/isw/search.cfm>) tool.

Sector Q

Sector Q: Water Transportation requirements, guidance and sampling exceedance suggestions:

MPCA Water Transportation Sector-Specific Permit Requirements (<https://www.pca.state.mn.us/sites/default/files/wq-strm3-67a17.pdf>)

EPA Pollutants and Control Measures Fact Sheet	Other (non-MPCA) guidance
EPA Water Transportation Fact Sheet (http://www.epa.gov/npdes/pubs/sector_q_watertransportation.pdf)	<ul style="list-style-type: none"> ▪ State of Michigan Compliance Assistance for Marina Operations (http://www.michigan.gov/documents/deq/wrd-stormwater-Marina-ComplianceAssistance_433498_7.pdf) ▪ Missouri's Preventing Pollution at Marinas (http://www.dnr.mo.gov/pubs/pub1188.pdf)

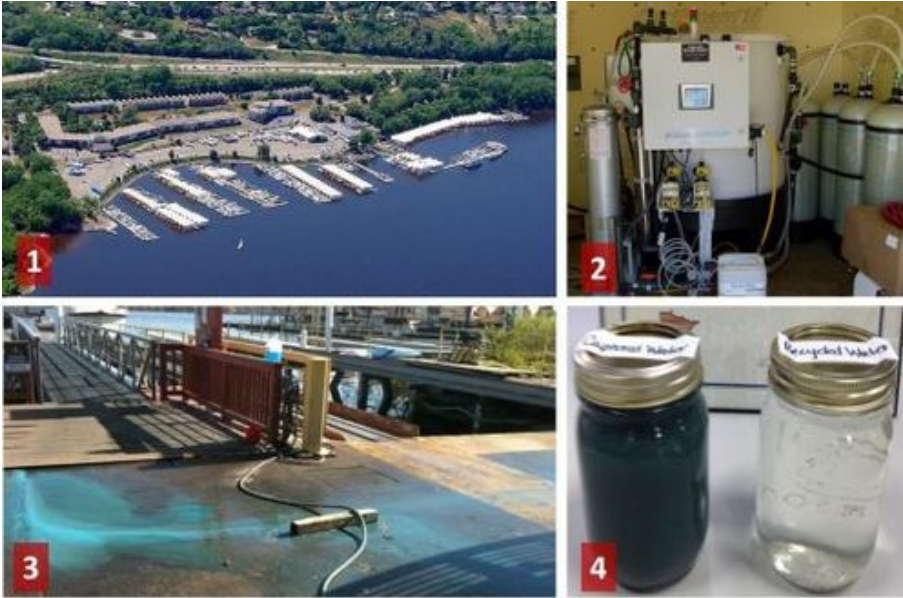


Minnesota marina on the Saint Croix River

Sector	# of Permittees	# of NE Certifiers	Total, as of 6-6-2018	Sector-Specific Trade Associations	Contact	General Industry Trade Associations	Contact
Sector Q	23	2	25	<ul style="list-style-type: none"> ▪ American Association of Port Authorities (http://www.aapa-ports.org/) ▪ US Marina Association (https://marinaassociation.org/) 	<ul style="list-style-type: none"> ▪ American Association of Port Authorities contact (mailto:info@aapa-ports.org) ▪ US Marina Association contact (mailto:info@marinaassociation.org) 	<ul style="list-style-type: none"> ▪ MN Waste Wise (http://www.mnwastewise.org/) ▪ MN Technical Assistance Program (http://www.mntap.umn.edu/) ▪ Coalition of MN Businesses (https://mnbusiness.com/) ▪ MN Water Quality Association (http://www.mwqa.com/) ▪ MPCA Small Business (https://www.pca.state.mn.us/quick-links/small-business-environmental-assistance-program) 	<ul style="list-style-type: none"> ▪ MN Waste Wise contact (mailto:mwwf@mnchamber.com) ▪ MN Technical Assistance Program contact (mailto:mntap@umn.edu) ▪ Coalition of MN Businesses contact (mailto:cmb@mnbusiness.com) ▪ MN Water Quality Association contact (mailto:info@mwqa.com)

Facility coverage cards, cover letters, sampling forms, contact information and more can be found through the Industrial Stormwater Permit Information Access (<http://cf.pca.state.mn.us/water/stormwater/isw/search.cfm>) tool.

Above and Beyond: Industrial Stormwater Reduce, reuse, recycle. That phrase has been used for decades. Sunnyside Marina, near Stillwater, has made great efforts to put that phrase to work. Learn more by reading the MPCA's "above and beyond" article about industrial stormwater (<https://www.pca.state.mn.us/featured/above-and-beyond-industrial-stormwater>).



1. Sunnyside Marina aerial photo 2. wash water recycling system 3. boat paint wash water 4. before and after of clean, recycled wash water.

Sector R

Sector R: Ship and Boat Building and Repair Yards requirements, guidance and sampling exceedance suggestions:

MPCA Ship and Boat Building Yards Sector-Specific Permit Requirements (<https://www.pca.state.mn.us/sites/default/files/wq-strm3-67a18.pdf>)

EPA Pollutants and Control Measures Fact Sheet
EPA Ship and Boat Building and Repair Yards Fact Sheet (http://www.epa.gov/npdes/pubs/sector_r_shipbuilding.pdf)



Boats awaiting repair at a Minnesota boat repair company

Sector	# of Permittees	# of NE Certifiers	Total, as of 6-6-2018	Sector-Specific Trade Associations	Contact	General Industry Trade Associations	Contact
Sector R	9	5	14	<ul style="list-style-type: none"> ▪ Marine Fabricators Association (https://marine.ifai.com/) <p>This national organization is located in Roseville, MN!</p>	<ul style="list-style-type: none"> ▪ Marine Fabricators Association contact (mailto:cmgerard@ifai.com) 	<ul style="list-style-type: none"> ▪ MN Waste Wise (http://www.mnwastewise.org/) ▪ MN Technical Assistance Program (http://www.mntap.umn.edu/) ▪ Coalition of MN Businesses (https://mnbusiness.com/) ▪ MN Water Quality Association (http://www.mwqa.com/) ▪ MPCA Small Business (https://www.pca.state.mn.us/quick-links/small-business-environmental-assistance-program) 	<ul style="list-style-type: none"> ▪ MN Waste Wise contact (mailto:mwwf@mnchamber.com) ▪ MN Technical Assistance Program contact (mailto:mntap@umn.edu) ▪ Coalition of MN Businesses contact (mailto:cmb@mnbusiness.com) ▪ MN Water Quality Association contact (mailto:info@mwqa.com)

Facility coverage cards, cover letters, sampling forms, contact information and more can be found through the Industrial Stormwater Permit Information Access (<http://cf.pca.state.mn.us/water/stormwater/isw/search.cfm>) tool.

Sector S

Sector S: Air Transportation requirements, guidance and sampling exceedance suggestions:

MPCA Air Transportation Sector-Specific Permit Requirements (<https://www.pca.state.mn.us/sites/default/files/wq-strm3-67a19.pdf>)

EPA Pollutants and Control Measures Fact Sheet	MPCA Guidance
EPA Air Transportation Fact Sheet (http://www.epa.gov/npdes/pubs/sector_s_airtransmaint.pdf)	<ul style="list-style-type: none"> ▪ Guidance on the Industrial Stormwater Permit for Transportation Sectors (https://www.pca.state.mn.us/sites/default/files/wq-strm3-32.pdf) ▪ Guidance on the Industrial Stormwater Permit for the Air Transportation Sector (https://www.pca.state.mn.us/sites/default/files/wq-strm3-31.pdf)



Municipal airport in Minnesota in the winter.

Sector	# of Permittees	# of NE Certifiers	Total, as of 6-6-2018	Sector-Specific Trade Associations	Contact	General Industry Trade Associations	Contact
Sector S	126	38	164	<ul style="list-style-type: none"> ▪ Metropolitan Airports Commission (http://metroairports.org/Airport-Authority.aspx) ▪ MN Council of Airports (http://mnairports.org/) ▪ MN Air Technical Assistance Program (http://www.airtap.umn.edu/) ▪ Airport Cooperative Research Program (https://www.nap.edu/author/ACRP/transportation-research-board/airport-cooperative-research-program) 	<ul style="list-style-type: none"> ▪ Metropolitan Airports Commission contact (http://metroairports.org/Utility/Contact-Us.aspx) ▪ MN Council of Airports contact (mailto:William.towle@ci.stcloud.mn.us) ▪ MN Air Technical Assistance Program contact (mailto:carlson@umn.edu) ▪ Airport Cooperative Research Program contact (http://www.trb.org/Contact/GeneralQuestions.aspx) 	<ul style="list-style-type: none"> ▪ MN Waste Wise (http://www.mnwastewise.org/) ▪ MN Technical Assistance Program (http://www.mntap.umn.edu/) ▪ Coalition of MN Businesses (https://mnbusiness.com/) ▪ MN Water Quality Association (http://www.mwqa.com/) ▪ MPCA Small Business (https://www.pca.state.mn.us/quick-links/small-business-environmental-assistance-program) 	<ul style="list-style-type: none"> ▪ MN Waste Wise contact (mailto:mwwf@mnchamber.com) ▪ MN Technical Assistance Program contact (mailto:mntap@umn.edu) ▪ Coalition of MN Businesses contact (mailto:cmb@mnbusiness.com) ▪ MN Water Quality Association contact (mailto:info@mwqa.com)

Facility coverage cards, cover letters, sampling forms, contact information and more can be found through the Industrial Stormwater Permit Information Access (<http://cf.pca.state.mn.us/water/stormwater/isw/search.cfm>) tool.

Sector T

Sector T: Treatment Works requirements, guidance and sampling exceedance suggestions:

MPCA Treatment Works Sector-Specific Permit Requirements (<http://www.pca.state.mn.us/sites/default/files/wq-strm3-67a20.pdf>)

EPA Pollutants and Control Measures Fact Sheet

EPA Treatment Works Fact Sheet (http://www.epa.gov/npdes/pubs/sector_t_treatmentworks.pdf)
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outside of a wastewater facility

Sector	# of Permittees	# of NE Certifiers	Total, as of 6-6-2018	Sector-Specific Trade Associations	Contact	General Industry Trade Associations	Contact
Sector T	12	40	52	<ul style="list-style-type: none"> ▪ MN Wastewater Operators Association (http://www.mwoa.net/) ▪ MN Rural Water Association (http://www.mrwa.com/) 	<ul style="list-style-type: none"> ▪ MN Wastewater Operators Association contact (http://www.mwoa.net/html/contact.html) ▪ MN Rural Water Association contact (mailto:mrwa@mrwa.com) 	<ul style="list-style-type: none"> ▪ MN Waste Wise (http://www.mnwastewise.org/) ▪ MN Technical Assistance Program (http://www.mntap.umn.edu/) ▪ Coalition of MN Businesses (https://mnbusiness.com/) ▪ MN Water Quality Association (http://www.mwqa.com/) ▪ MPCA Small Business (https://www.pca.state.mn.us/quick-links/small-business-environmental-assistance-program) 	<ul style="list-style-type: none"> ▪ MN Waste Wise contact (mailto:mwwf@mnchamber.com) ▪ MN Technical Assistance Program contact (mailto:mntap@umn.edu) ▪ Coalition of MN Businesses contact (mailto:emb@mnbusiness.com) ▪ MN Water Quality Association contact (mailto:info@mwqa.com)

Facility coverage cards, cover letters, sampling forms, contact information and more can be found through the Industrial Stormwater Permit Information Access (<http://cf.pca.state.mn.us/water/stormwater/isw/search.cfm>) tool.

Sector U

Sector U: Food and Kindred Products requirements, guidance and sampling exceedance suggestions:

MPCA Food and Kindred Products Sector-Specific Permit Requirements (<https://www.pca.state.mn.us/sites/default/files/wq-strm3-67a21.pdf>)

EPA Pollutants and Control Measures Fact Sheet
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EPA Food and Kindred Products Fact Sheet (http://www.epa.gov/npdes/pubs/sector_u_food.pdf)
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A small cheese factory

Sector	# of Permittees	# of NE Certifiers	Total, as of 6-6-2018	Sector-Specific Trade Associations	Contact	General Industry Trade Associations	Contact
Sector U	136	97	233	<ul style="list-style-type: none"> ▪ Midwest Food Processors Association (http://www.mwfpa.org/) ▪ MN Meat Processing (http://www.mamponline.com/) ▪ MN Beverage Association (http://www.mnbev.com/) 	<ul style="list-style-type: none"> ▪ Midwest Food Processors Association contact (mailto:mamp@frontiernet.net) ▪ MN Meat Processing contact (mailto:mamp@frontiernet.net) ▪ MN Beverage Association contact (mailto:info@mnbev.com) 	<ul style="list-style-type: none"> ▪ MN Waste Wise (http://www.mnwastewise.org/) ▪ MN Technical Assistance Program (http://www.mntap.umn.edu/) ▪ Coalition of MN Businesses (https://mnbusiness.com/) ▪ MN Water Quality Association (http://www.mwqa.com/) ▪ MPCA Small Business (https://www.pca.state.mn.us/quick-links/small-business-environmental-assistance-program) 	<ul style="list-style-type: none"> ▪ MN Waste Wise contact (mailto:mwwf@mnchamber.com) ▪ MN Technical Assistance Program contact (mailto:mntap@umn.edu) ▪ Coalition of MN Businesses contact (mailto:cmb@mnbusiness.com) ▪ MN Water Quality Association contact (mailto:info@mwqa.com)

Facility coverage cards, cover letters, sampling forms, contact information and more can be found through the Industrial Stormwater Permit Information Access (<http://cf.pca.state.mn.us/water/stormwater/isw/search.cfm>) tool.

Sector V

Sector V: Textile Mills, Apparel, and Other Fabric Products requirements, guidance and sampling exceedance suggestions:

MPCA Textile Mills, Apparel, and Other Fabric Products Sector-Specific Permit Requirements (<https://www.pca.state.mn.us/sites/default/files/wq-strm3-67a22.pdf>)



Clothing manufacturer making baby clothes

EPA Pollutants and Control Measures Fact Sheet
EPA Textile Mills, Apparel, and Other Fabric Products Manufacturing Fact Sheet (http://www.epa.gov/npdes/pubs/sector_v_textilemills.pdf)

Sector	# of Permittees	# of NE Certifiers	Total, as of 6-6-2018	Sector-Specific Trade Associations	Contact	General Industry Trade Associations	Contact
Sector V	3	20	23	<ul style="list-style-type: none"> American Fiber Manufacturers Association (http://www.fibersource.com/) National Council of Textile Organization (http://www.ncto.org/) Midwest Fabric Products Association (http://www.midwestfabricproducts.com/) US Industrial Fabrics Institute (https://usindustrialfabrics.ifai.com/) <p>National organization is located in Roseville, MN!</p>	<ul style="list-style-type: none"> American Fiber Manufacturers Association contact (http://www.fibersource.com/contact/) National Council of Textile Organization contact (mailto:tethington@ncto.org) Midwest Fabric Products Association contact (mailto:michael@kctentandawning.com) US Industrial Fabrics Institute contact (mailto:llwicklund@ifai.com) 	<ul style="list-style-type: none"> MN Waste Wise (http://www.mnwastewise.org/) MN Technical Assistance Program (http://www.mntap.umn.edu/) Coalition of MN Businesses (https://mnbusiness.com/) MN Water Quality Association (http://www.mwqa.com/) MPCA Small Business (https://www.pca.state.mn.us/quick-links/small-business-environmental-assistance-program) 	<ul style="list-style-type: none"> MN Waste Wise contact (mailto:mwwf@mnchamber.com) MN Technical Assistance Program contact (mailto:mntap@umn.edu) Coalition of MN Businesses contact (mailto:cmb@mnbusiness.com) MN Water Quality Association contact (mailto:info@mwqa.com)

Facility coverage cards, cover letters, sampling forms, contact information and more can be found through the Industrial Stormwater Permit Information Access (<http://cf.pca.state.mn.us/water/stormwater/isw/search.cfm>) tool.

Sector W

Sector W: Furniture and Fixtures requirements, guidance and sampling exceedance suggestions:

MPCA Furniture and Fixtures Sector-Specific Permit Requirements (<https://www.pca.state.mn.us/sites/default/files/wq-strm3-67a23.pdf>)

EPA Pollutants and Control Measures Fact Sheet	Other (non-MPCA) guidance
EPA Furniture and Fixtures Fact Sheet (http://www.epa.gov/npdes/pubs/sector_w_furniture.pdf)	Missouri Preventing Pollution in Wood Furniture Manufacturing (http://www.dnr.mo.gov/pubs/pub1183.pdf)

Sector	# of Permittees	# of NE Certifiers	Total, as of 6-6-2018	Sector-Specific Trade Associations	Contact	General Industry Trade Associations	Contact
Sector W	16	32	48	<ul style="list-style-type: none"> ▪ Upholsterers' Association of MN (https://www.upholsterymn.org/) ▪ Wood Component Manufacturers Association (https://www.wcma.com/) 	<ul style="list-style-type: none"> ▪ Upholsterers' Association of MN contact (mailto:dlsguenth@gmail.com) ▪ Wood Component Manufacturers Association contact (mailto:wcma@wcma.com) 	<ul style="list-style-type: none"> ▪ MN Waste Wise (http://www.mnwastewise.org/) ▪ MN Technical Assistance Program (http://www.mntap.umn.edu/) ▪ Coalition of MN Businesses (https://mnbusiness.com/) ▪ MN Water Quality Association (http://www.mwqa.com/) ▪ MPCA Small Business (https://www.pca.state.mn.us/quick-links/small-business-environmental-assistance-program) 	<ul style="list-style-type: none"> ▪ MN Waste Wise contact (mailto:mwwf@mnchamber.com) ▪ MN Technical Assistance Program contact (mailto:mntap@umn.edu) ▪ Coalition of MN Businesses contact (mailto:cmb@mnbusiness.com) ▪ MN Water Quality Association contact (mailto:info@mwqa.com)

Facility coverage cards, cover letters, sampling forms, contact information and more can be found through the Industrial Stormwater Permit Information Access (<http://cf.pca.state.mn.us/water/stormwater/isw/search.cfm>) tool.

Photo wanted! Please send email to Melissa Wenzel (<http://mailto:melissa.wenzel@state.mn.us>).

Sector X

Sector X: Printing and Publishing requirements, guidance and sampling exceedance suggestions:

MPCA Printing and Publishing Sector-Specific Permit Requirements (<https://www.pca.state.mn.us/sites/default/files/wq-strm3-67a24.pdf>)



The printing industry has changed more than any other industry; most facilities can qualify for the No Exposure exclusion.

EPA Pollutants and Control Measures Fact Sheet
EPA fact sheet - Printing and publishing facilities (http://www.epa.gov/npdes/pubs/sector_x_printingpublishing.pdf)

Sector	# of Permittees	# of NE Certifiers	Total, as of 6-6-2018	Sector-Specific Trade Associations	Contact	General Industry Trade Associations	Contact
Sector X	8	278	286	<ul style="list-style-type: none"> Printing Industry of Midwest (https://www.pimw.org/) Regional Association located in Minneapolis!	<ul style="list-style-type: none"> Printing Industry of Midwest contact (mailto:pim@pimw.org) 	<ul style="list-style-type: none"> MN Waste Wise (http://www.mnwastewise.org/) MN Technical Assistance Program (http://www.mntap.umn.edu/) Coalition of MN Businesses (https://mnbusiness.com/) MN Water Quality Association (http://www.mwqa.com/) MPCA Small Business (https://www.pca.state.mn.us/quick-links/small-business-environmental-assistance-program) 	<ul style="list-style-type: none"> MN Waste Wise contact (mailto:mwwf@mnchamber.com) MN Technical Assistance Program contact (mailto:mntap@umn.edu) Coalition of MN Businesses contact (mailto:cmb@mnbusiness.com) MN Water Quality Association contact (mailto:info@mwqa.com)

Facility coverage cards, cover letters, sampling forms, contact information and more can be found through the Industrial Stormwater Permit Information Access (<http://cf.pca.state.mn.us/water/stormwater/isw/search.cfm>) tool.

Sector Y

Sector Y: Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Industries requirements, guidance and sampling exceedance suggestions:



MPCA Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Sector-Specific Permit Requirements (<https://www.pca.state.mn.us/sites/default/files/wq-strm3-67a25.pdf>)

EPA Pollutants and Control Measures Fact Sheet	MPCA Guidance
EPA fact sheet - Rubber, miscellaneous plastic products, and miscellaneous manufacturing industries (http://www.epa.gov/npdes/pubs/sector_y_rubberplastic.pdf)	Sector Y: Rubber, misc. plastic products, and misc. manufacturing industries - Industrial Stormwater Pollution Prevention (https://www.pca.state.mn.us/sites/default/files/p-p2s8-05.pdf)

Sector	# of Permittees	# of NE Certifiers	Total, as of 6-6-2018	Sector-Specific Trade Associations	Contact	General Industry Trade Associations	Contact
Sector Y	56	138	194	<ul style="list-style-type: none"> MN Rubber and Plastics (https://www.mnrubber.com/) Association for Rubber Product Manufacturers (https://arpmi.nc.com/) 	<ul style="list-style-type: none"> MN Rubber and Plastics contact (mailto:webmaster@quadion.com) Association for Rubber Product Manufacturers contact (mailto:info@arpmi.nc.org) 	<ul style="list-style-type: none"> MN Waste Wise (http://www.mnwastewise.org/) MN Technical Assistance Program (http://www.mntap.umn.edu/) Coalition of MN Businesses (https://mnbusiness.com/) MN Water Quality Association (http://www.mwqa.com/) MPCA Small Business (https://www.pca.state.mn.us/quick-links/small-business-environmental-assistance-program) 	<ul style="list-style-type: none"> MN Waste Wise contact (mailto:mwwf@mnchamber.com) MN Technical Assistance Program contact (mailto:mntap@umn.edu) Coalition of MN Businesses contact (mailto:cmb@mnbusiness.com) MN Water Quality Association contact (mailto:info@mwqa.com)

Facility coverage cards, cover letters, sampling forms, contact information and more can be found through the Industrial Stormwater Permit Information Access (<http://cf.pca.state.mn.us/water/stormwater/isw/search.cfm>) tool.

Sector Z

Sector Z: Leather Tanning and Finishing requirements, guidance and sampling exceedance suggestions:

MPCA Leather Tanning and Finishing Sector-Specific Permit Requirements (<https://www.pca.state.mn.us/sites/default/files/wq-strm3-67a26.pdf>)



EPA Pollutants and Control Measures Fact Sheet
EPA Leather Tanning and Finishing Fact Sheet (http://www.epa.gov/npdes/pubs/sector_z_leather.pdf)

Sector	# of Permittees	# of NE Certifiers	Total, as of 6-6-2018	Sector-Specific Trade Associations	Contact	General Industry Trade Associations	Contact
Sector Z	0	3	3	<ul style="list-style-type: none"> ▪ American Leather Chemists Association (http://leatherchemists.org/) ▪ Leather Industries of America (https://www.leatherusa.com) 	<ul style="list-style-type: none"> ▪ American Leather Chemists Association contact (mailto:carol.adcock@ttu.edu) ▪ Leather Industries of America contact (mailto:info@leatherusa.com) 	<ul style="list-style-type: none"> ▪ MN Waste Wise (http://www.mnwastewise.org/) ▪ MN Technical Assistance Program (http://www.mntap.umn.edu/) ▪ Coalition of MN Businesses (https://mnbusiness.com/) ▪ MN Water Quality Association (http://www.mwqa.com/) ▪ MPCA Small Business (https://www.pca.state.mn.us/quick-links/small-business-environmental-assistance-program) 	<ul style="list-style-type: none"> ▪ MN Waste Wise contact (mailto:mwwf@mnchamber.com) ▪ MN Technical Assistance Program contact (mailto:mntap@umn.edu) ▪ Coalition of MN Businesses contact (mailto:cmb@mnbusiness.com) ▪ MN Water Quality Association contact (mailto:info@mwqa.com)

Facility coverage cards, cover letters, sampling forms, contact information and more can be found through the Industrial Stormwater Permit Information Access (<http://cf.pca.state.mn.us/water/stormwater/isw/search.cfm>) tool.

Sector AA

Sector AA: Fabricated Metal Products requirements, guidance and sampling exceedance suggestions:

MPCA Fabricated Metal Products Sector-Specific Permit Requirements (<https://www.pca.state.mn.us/sites/default/files/wq-strm3-67a27.pdf>)



EPA Pollutants and Control Measures Fact Sheet	MPCA Guidance
EPA Fabricated Metal Products Fact Sheet (http://www.epa.gov/npdes/pubs/sector_aa_fabmetal.pdf)	Sector AA: Fabricated Metal Products, Industrial Stormwater Pollution Prevention (https://www.pca.state.mn.us/sites/default/files/p-p2s8-06.pdf)

Pollutant-specific exceedances	Guidance & Suggestions
Aluminum/Iron	Look at the suggestions for the Sector M: Auto Salvage Yard sector.

Sector	# of Permittees	# of NE Certifiers	Total, as of 6-6-2018	Sector-Specific Trade Associations	Contact	General Industry Trade Associations	Contact
Sector AA	141	301	442	<ul style="list-style-type: none"> ▪ Tri-State Manufacturer's Association (https://www.tsm.a.org/) ▪ Arrowhead Mfg. & Fabricators Association (https://amfa-mn-wi.org/) ▪ NE Minn, Central MN Mfg Association (https://cmmaworks.org/) ▪ MN Association of Metal Finishers (no website) 	<ul style="list-style-type: none"> ▪ Tri-State Manufacturer's Association contact (mailto:midwest@rustonstone.net) ▪ Arrowhead Mfg. & Fabricators Association contact (mailto:midwest@rustonstone.net) ▪ NE Minn, Central MN Mfg Association contact (mailto:info@CMMAworks.org) ▪ MN Association of Metal Finishers contact (mailto:roger@twincityplating.com) 	<ul style="list-style-type: none"> ▪ MN Waste Wise (http://www.mnwastewise.org/) ▪ MN Technical Assistance Program (http://www.mntap.umn.edu/) ▪ Coalition of MN Businesses (http://mnbusiness.com/) ▪ MN Water Quality Association (http://www.mwqa.com/) ▪ MPCA Small Business (https://www.pca.state.mn.us/quick-links/small-business-environmental-assistance-program) 	<ul style="list-style-type: none"> ▪ MN Waste Wise contact (mailto:mwwf@mnchamber.com) ▪ MN Technical Assistance Program contact (mailto:mntap@umn.edu) ▪ Coalition of MN Businesses contact (mailto:cmb@mnbusiness.com) ▪ MN Water Quality Association contact (mailto:info@mwqa.com)

Facility coverage cards, cover letters, sampling forms, contact information and more can be found through the Industrial Stormwater Permit Information Access (<http://cf.pca.state.mn.us/water/stormwater/isw/search.cfm>) tool.

Sector AB

Sector AB: Transportation Equipment and Industrial or Commercial Machinery Manufacturing requirements, guidance and sampling exceedance suggestions:

MPCA Transportation Equipment and Industrial or Commercial Machinery Manufacturing Sector-Specific



Automobile manufacturing in the mid-1900's.

Permit Requirements (<https://www.pca.state.mn.us/sites/default/files/wq-strm3-67a28.pdf>)

EPA Pollutants and Control Measures Fact Sheet

EPA Transportation Equipment, Industrial and Commercial Machinery Fact Sheet (http://www.epa.gov/npdes/pubs/sector_ab_transport.pdf)

Sector	# of Permittees	# of NE Certifiers	Total, as of 6-6-2018	Sector-Specific Trade Associations	Contact	General Industry Trade Associations	Contact
Sector AB	140	330	470	<ul style="list-style-type: none"> ▪ Motor and Equipment Manuf. Assn (https://www.mema.org/) ▪ Farm Equipment Manufacturers Association (https://www.farmequip.org/) 	<ul style="list-style-type: none"> ▪ Motor and Equipment Manuf. Assn contact (mailto:advocacy@mema.org) ▪ Farm Equipment Manufacturers Association contact (mailto:Vernon@FarmEquip.org) 	<ul style="list-style-type: none"> ▪ MN Waste Wise (http://www.mnwastewise.org/) ▪ MN Technical Assistance Program (http://www.mntap.umn.edu/) ▪ Coalition of MN Businesses (https://mnbusiness.com/) ▪ MN Water Quality Association (http://www.mwqa.com/) ▪ MPCA Small Business (https://www.pca.state.mn.us/quick-links/small-business-environmental-assistance-program) 	<ul style="list-style-type: none"> ▪ MN Waste Wise contact (mailto:mwwf@mnchamber.com) ▪ MN Technical Assistance Program contact (mailto:mntap@umn.edu) ▪ Coalition of MN Businesses contact (mailto:cmb@mnbusiness.com) ▪ MN Water Quality Association contact (mailto:info@mwqa.com)

Facility coverage cards, cover letters, sampling forms, contact information and more can be found through the Industrial Stormwater Permit Information Access (<http://cf.pca.state.mn.us/water/stormwater/isw/search.cfm>) tool.

Sector AC

Sector AC: Electronic and Electrical Equipment and Components, Photographic and Optical Goods requirements, guidance and sampling exceedance suggestions:

MPCA Electronic and Electrical Equipment and Components, Photographic and Optical Goods Sector-Specific Permit Requirements (<https://www.pca.state.mn.us/sites/default/files/wq-strm3-67a29.pdf>)

EPA Electronic and Electrical Equipment and Components, Photographic and Optical Goods Fact Sheet (http://www.epa.gov/npdes/pubs/sector_ac_elect_photo_op.pdf)



Sector	# of Permittees	# of NE Certifiers	Total, as of 6-6-2018	Sector-Specific Trade Associations	Contact	General Industry Trade Associations	Contact
Sector AC	23	279	302	<ul style="list-style-type: none"> Electronics Representatives Association (http://era.org/) 	<ul style="list-style-type: none"> Electronics Representatives Association contact (mailto:ecollins@era.org) 	<ul style="list-style-type: none"> MN Waste Wise (http://www.mn.wastewise.org/) MN Technical Assistance Program (http://www.mntap.umn.edu/) Coalition of MN Businesses (http://mnbusiness.com/) MN Water Quality Association (http://www.mwqa.com/) MPCA Small Business (https://www.pca.state.mn.us/quick-links/small-business-environmental-assistance-program) 	<ul style="list-style-type: none"> MN Waste Wise contact (mailto:mwwf@mnchamber.com) MN Technical Assistance Program contact (mailto:mntap@umn.edu) Coalition of MN Businesses contact (mailto:cmb@mnbusiness.com) MN Water Quality Association contact (mailto:info@mwqa.com)

Facility coverage cards, cover letters, sampling forms, contact information and more can be found through the Industrial Stormwater Permit Information Access (<http://cf.pca.state.mn.us/water/stormwater/isw/search.cfm>) tool.

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