



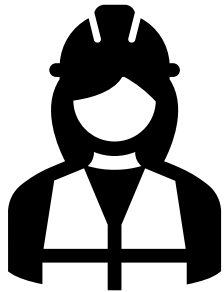
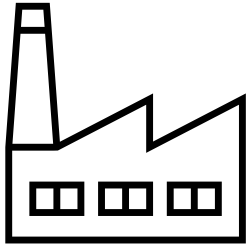
Department of the Environment

**Training Session for the General Permit For Discharges  
from Stormwater Associated with Industrial Activities  
Maryland General Permit No. 20-SW**

August 7, 2024  
Casey Leach and Joey Dickson



Department of  
the Environment



# Maryland's General Permit



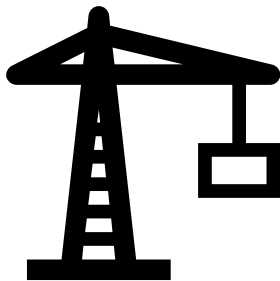
Maryland  
Department of  
the Environment

Larry Hogan, Governor  
Boyd K. Rutherford, Lt. Governor  
Horacio Tablada, Secretary  
Suzanne E. Dorsey, Deputy Secretary

**GENERAL PERMIT FOR DISCHARGES FROM  
STORMWATER ASSOCIATED WITH INDUSTRIAL ACTIVITIES**

**DISCHARGE PERMIT NO. 20-SW NPDES PERMIT NO. MDR0000**

**Effective Date: February 1, 2023 Expiration Date: January 31, 2028**





# General Permits

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- Re-issued every 5 years
- File a Notice of Intent (NOI)
- 12-SW registrants are required to register under the 20-SW re-issued General Permit ASAP



Maryland  
Department of  
the Environment

Larry Hogan, Governor  
Boyd K. Rutherford, Lt. Governor

Horacio Tablada, Secretary  
Suzanne E. Dorsey, Deputy Secretary



# 20SW Changes

The Department based modifications to the draft on several factors including:

- Recent changes made by EPA in their Industrial Stormwater Permit (MSGP)
- Discharge monitoring reports
- Compliance with restoration requirements
- Listening sessions



# Significant Changes

- Chesapeake Bay Restoration Requirements

## A. Chesapeake Bay Restoration Requirements

You must comply with the requirements in this section if you meet ALL of these criteria:

- your facility is located within the Chesapeake Bay Watershed;
- your facility is 5 acres or greater in size;
- any portion of your facility is located within a Phase I or Phase II municipal separate storm sewer system (MS4) jurisdiction<sup>1</sup>; and
- your facility is not owned by or leased from an entity that is permitted as an MS4.

All facilities not owned by or leased from an entity that is permitted as an MS4, including those (Refer to Appendix G).

- New operators or those in newly designated Phase II MS4s may be required to do restoration





# Significant Changes

- Offsite restoration or nutrient trading are allowed in cases

## Water Quality Trading Program Home

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**HOME  
PAGE**

**GENERATING  
CREDITS**

**PURCHASING  
CREDITS**

**REGISTRY  
& MARKET**

**TOOLS  
& RESOURCES**





# Significant Changes continued...

- NOI requires listing all outfalls
- Can have different benchmarks for each outfall

List all of outfalls from your facility. Each outfall must be identified by a unique 3-digit ID (e.g. 001, 002).		Benchmark Table(s)				
<b>Outfall ID</b>	<b>001</b>	<input type="checkbox"/> A-1	<input type="checkbox"/> C-2	<input type="checkbox"/> F-1	<input type="checkbox"/> L-1	<input type="checkbox"/> S-1
Latitude (decimal)		<input type="checkbox"/> A-2	<input type="checkbox"/> C-3	<input type="checkbox"/> F-2	<input type="checkbox"/> L-2	<input type="checkbox"/> U-1
Longitude (decimal)		<input type="checkbox"/> A-3	<input type="checkbox"/> C-4	<input type="checkbox"/> F-3	<input type="checkbox"/> M-1	<input type="checkbox"/> U-2
* Identical Outfalls		<input type="checkbox"/> A-4	<input type="checkbox"/> D-1	<input type="checkbox"/> F-4	<input type="checkbox"/> N-1	<input type="checkbox"/> Y-1
		<input type="checkbox"/> B-1	<input type="checkbox"/> E-1	<input type="checkbox"/> I-1	<input type="checkbox"/> Q-1	<input type="checkbox"/> AA-1
		<input type="checkbox"/> C-1	<input type="checkbox"/> E-2	<input type="checkbox"/> K-2	<input type="checkbox"/> R-1	<input type="checkbox"/> AD-A-1
						<input type="checkbox"/> AD-D-1



# Significant Changes continued...

## The draft expands benchmark requirements by adding monitoring for additional industrial categories.

General Sawmills and Planing Mills, Wood Preserving, Log Storage and Handling	Clay Product Manufacturers
Special Products Sawmills	Concrete and Gypsum Product Manufacturers
Wood Products Facilities not elsewhere classified	Steel Works, Blast Furnaces, and Rolling and Finishing Mills, Iron and Steel Foundries
Soaps, Detergents, Cosmetics and Perfumes	Rolling, Drawing, and Extruding of Nonferrous Metals
Plastics, Synthetics and Resins	Nonferrous Foundries
Asphalt Paving and Roofing Materials	Crude Petroleum and Natural Gas, Natural Gas Liquids
Paperboard Mills	Oil and Gas Field Services
Hazardous Waste “HZ” dischargers	Water Transportation Facilities
Ship and Boat Building or Repairing Yards	Airports using more than 100,000 gallons of deicing glycols based fluids







# Significant Changes continued...

**The draft introduces benchmarks derived from saltwater criteria for several pollutants for these Sectors.**

Agricultural Chemicals	Jewelry, Silverware, and Plated Ware
Automobile Salvage Yards	Scrap Recycling and Waste Recycling Facilities
Tires and Inner Tubes	Rubber and Plastics Footwear
Gaskets, Packing and Sealing Devices, and Rubber and Plastic Hoses and Belting	Fabricated Rubber Products
Fabricated Metal Products	Fabricated Metal Coating and Engraving, and Allied Services



# Significant Changes continued...

- Iron benchmark increased

**Table L-2 - Subsector L2 Benchmarks - Landfills and Land Application Sites, except Municipal Solid Waste Landfill (MSWLF) Areas Closed in Accordance with 40 CFR 258.60**

PARAMETER	Benchmark	Units	Frequency	Sample Type
Total Iron	3.0	mg/L	1/quarter	Grab

- composite sampling allowable; consistent with the EPA federal permit.





# Significant Changes continued...

- Sources of PFAS and PCBs are required to be included in the SWPPP.

Table III.C.3.b.ii - Activities with higher likelihood as sources of Polychlorinated Biphenyls (PCB)

Sector or Subsector or (specific SICs)	Sector Description
(SIC 7600)	Miscellaneous Repair Service
(SIC 9700)	National Security and International Affairs
AA	FABRICATED METAL PRODUCTS
AB (SIC 3711-3799)	Transportation Equipment
AC (SIC 3612)	Transformers
B	PAPER AND ALLIED PRODUCTS
C (SIC 2812-2899)	Chemicals & Allied Products
F	PRIMARY METALS
M	AUTOMOBILE SALVAGE YARDS
N1	Scrap Recycling and Waste Recycling Facilities except Source-Separated Recycling.
P (SIC 4212-4215, 4231)	Motor Freight Transportation
P (SIC 4011)	Railroads, Line Haul Ops

- Permit expiration & renewal



# Significant Changes continued...

## Sector AD:

- Subsector AD.a.1 (stormwater that has come into contact with street sweeping or storm drain inlet cleaning debris) the draft includes benchmarks for nitrate plus nitrite nitrogen, phosphorus, and TSS and
- Sector AD.d (salt terminals) benchmarks for flow, chloride, free amenable cyanide, and iron,
- Moved landfill subsector L3 (Inactive Landfills) to Sector AD.e.

Sub-Sector	Narrative Description
AD1	Other stormwater discharges designated by the Director as needing a permit (see 40 CFR 122.26(a)(9)(i)(C) & (D)) or any facility discharging stormwater associated with industrial activity not described by any of Sectors A-AC. NOTE: Facilities may not elect to be covered under Sector AD. Only the Director may assign a facility to Sector AD.



# Significant Changes continued...

## Additional Implementation Measures (AIM) level approach

- Basic framework includes actions to be taken during Year 1 through Year 4, including structural controls, requirements for hiring a professional to assist, and the development of plans.

### **B. Additional Implementation Measures (AIM)**

If any of the following events in Parts IV.B.1, IV.B.2, or IV.B.3 occur, you must follow the response procedures described in those parts, called “additional implementation measures” or “AIM.” There are multiple AIM levels: AIM Benchmark Action Level 1 through Benchmark Action Level 3. You are required to respond to different AIM levels which prescribe increasingly robust responses depending on the nature, duration, and magnitude of the benchmark exceedance. In the context of the following parts “year you are subject to benchmarks” means 4 quarters of monitoring. See Part IV.B.4 for AIM exceptions.

### AIM Level 1

- If during your first year any of the following occurring you are subject to Level 1 responses.
  - One annual average over the benchmark threshold or;
  - One single sampling event over 4x the benchmark threshold

### AIM Level 2

- If during your second year any of the following occurring you are subject to Level 2 responses.
  - The second annual average over the benchmark threshold or;
  - One single sampling event over 4x the benchmark threshold

### AIM Level 3

- If during your third or subsequent year any of the following occurring you are subject to Level 3 responses.
  - The third annual average over the benchmark threshold or;
  - One single sampling event over 4x the benchmark threshold



## Response Level 1

- i. Review stormwater control measures
- ii. Implement additional measures.
- iii. Continue Quarterly Benchmark Monitoring

## Response Level 2

- i. Install Permanent Controls
- ii. Continue Quarterly Benchmark Monitoring

## Response Level 3

- i. Consult a professional engineer, stormwater professional or geologist to prepare an action plan.
- ii. If the benchmark threshold for the same benchmark is repeatedly exceeded the Department will revoke the general permit and you must obtain an individual permit.
- iii. Continue Quarterly Benchmark Monitoring

# Significant Changes continued...

Emily's Marina is permitted for industrial stormwater discharges under EPA's Multi-Sector General Permit (MSGP)

NPDES ID: DCR051435

Contact: XXX-XXX-XXXX

SWPPP: [www.emilyswppp.com](http://www.emilyswppp.com)

To report observed indicators of stormwater pollution, contact EPA at: XXX-XXX-XXXX



- Post signage
- Climate adaptation addressed:
  - Performance of a site evaluation,
  - Considerations when significant changes to facilities are planned,
  - The potential for additional permit coverage to be required when operating within the floodplain.

# Significant Changes continued...

- Polymers and chemical additives

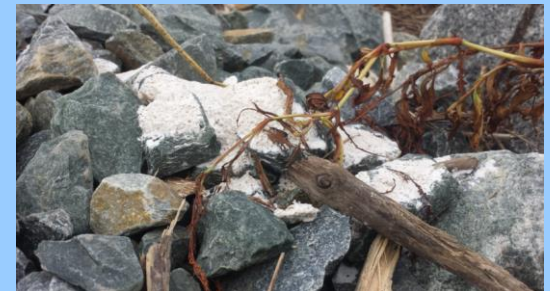
## MDE Flocculants

### Chemical Additive Forms and Guidance

- [Standards for Use of Treatment Chemicals for Sediment Control](#)
- [Request for Cationic Chemical Additives Form](#)
- [Procedures for Review of Chemical Additives for Sediment Control](#)
- [Video Guidance: Example of Polyacrylamide \(PAM\) Use with Wattles](#) - external link, courtesy of NCSU Crop and Soil Sciences Department

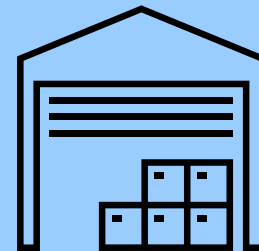
Authorization for use of chemical additives as part of an NPDES permit or NPDES general permit registration is required prior to use, including the use of additives on the approved list below.

Manufacturer/Distributor	Product-Name	Max-Concentration (ppm or mg/l)	Type-of-Polymer	Limitation
Ashland Hercules Water Tech (Solenis)	Ashland ChargePac 55	10	Cationic	Requires Monitoring
Aquamark, Inc	AQ 109	180 mg/L	Anionic	Land surface application
Aquamark, Inc	AQ 224	1	Cationic	Requires Monitoring



Polymer used at landfill for turbidity control.

- Warehouse permit coverage





# Benchmark Monitoring

Benchmarks are required for specific industries listed in Appendix D.

SIC Code or Activity Code	Activity Represented
<b>SECTOR A: TIMBER PRODUCTS</b>	
2421	(Subsector A1) General Sawmills and Planing Mills
2491	(Subsector A2) Wood Preserving
2411	(Subsector A3) Log Storage and Handling
2426	Hardwood Dimension and Flooring Mills
2429, 2499	(Subsector A4) Special Product Sawmills, Not Elsewhere Classified and Wood Products, Not Elsewhere Classified

**Table A-4 - Subsector A4 Benchmarks (Special Products Sawmills, not elsewhere classified and Wood Products Facilities not elsewhere classified for SIC 2426 and 2499)**

PARAMETER	Benchmark	Units	Frequency	Sample Type
Chemical Oxygen Demand (COD)	120.0	mg/L	1/quarter	Grab
Total Suspended Solids (TSS)	100.0	mg/L	1/quarter	Grab



# Benchmark Monitoring

Benchmarks are reported via the NetDMR system.

The screenshot shows the NetDMR registration and log-in page. At the top left is the EPA logo with the text "United States Environmental Protection Agency". To the right are navigation links: "Home", "Resources", and "Contact Us". Below the EPA logo is the NetDMR logo, which includes a smartphone icon and the text "NetDMR Network Discharge Monitoring Report powered by CDX". A central text box contains the following message: "Welcome to the NetDMR registration and log-in page. To sign in, please use your Central Data Exchange (CDX) User ID and Password. If you already have a CDX account but are new to NetDMR, you will need to add the appropriate NetDMR program service(s) to your account. If you are new to CDX and NetDMR, you will need to 'create a new account'. For additional help, click the Resources link above and click NetDMR Support Portal." Below this is a "Sign in" section with a blue header and the text "or create a new account". It includes a legend "\* = required", a "User ID" field with an asterisk, a "Password" field with an asterisk, and a "Sign in" button. At the bottom of the sign-in section are links for "Forgot username?" and "Forgot password?". Below these links is contact information: "NPDES eReporting Help Desk Email: NPDESereporting@epa.gov" and "NPDES eReporting Help Desk Phone: 877-227-8965 (9:00am - 8:00pm EST)".





- New users create a NetDMR account using EPA's CDX system
- Select role and organization
- Request to be associated with your permit
- After MDE approves your request, you can access DMRs
- MDE staff must enter permit information in EPA's ICIS system so that DMRs are available in NetDMR





- Go to NetDMR directly
  - url: <https://netdmr.epa.gov>
  
- Go to NetDMR ServiceNow website
  - [https://usepa.servicenowservices.com/oeca\\_icis?id=netdmr\\_homepage](https://usepa.servicenowservices.com/oeca_icis?id=netdmr_homepage)
  - Click “Launch NetDMR”
  - Includes User Guides and on-line training



# <https://netdmr.epa.gov>



United States  
Environmental Protection  
Agency

[Home](#)

[Resources](#) ▾



Welcome to the NetDMR 2017 Upgrade registration page. To sign in, please use your Central Data Exchange (CDX) User ID and Password. If you are already a registered NetDMR user with or without a current CDX account, check for an email from [netdmr-notification@epa.gov](mailto:netdmr-notification@epa.gov) with instructions on how to complete the CDX registration for NetDMR users. If you did not receive an email or could NOT complete the process using the link provided in the email, you will need to create a new CDX account unless you already have a CDX account. If you already have a CDX account, please add the appropriate NetDMR program service(s).

## 1. CDX

## login

## URL:

## <https://netdmr.epa.gov>

Sign in

[or create a new account](#)

\* = required

User ID \*

Password \*

Sign in

[Forgot username?](#)

[Forgot password?](#)





- Click on **create a new account**.

Sign in  
or [create a new account](#)

\* = required

**User ID \***

**Password \***

[Sign in](#)

---

[Forgot username?](#)

[Forgot password?](#)



<u>Term</u>	<u>Who</u>	<u>Available NetDMR Roles</u>	<u>Definition</u>
<b>Data Provider</b>	Lab, Contractor, or 3rd Party Affiliate	Edit, View	Allowed to view, enter and import DMRs into NetDMR and edit CORs but they <b><u>cannot</u></b> sign and submit forms.
<b>Permittee (signature)</b>	If you work for the company AND will Sign/Submit DMRs	Signatory, Permit Administrator, Edit, View	A person authorized to sign, view, edit and submit DMRs for a specific permit. Will also be able to approve roles for other users within NetDMR.
<b>Permittee (no signature)</b>	If you work for the company but will NOT Sign/Submit DMRs	Permit Administrator, Edit, View	Can view, enter and upload DMRs into NetDMR, edit CORs, and approve roles for other users within NetDMR.
<b>Internal User</b>	This is for State/EPA Agency personnel only	Internal Administrator	A Regulatory Authority staff member with a NetDMR account.



# NetDMR Contact Info.

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- Email: [mde.netdmr@maryland.gov](mailto:mde.netdmr@maryland.gov)
- Phone: 410-5373520



# Permit Requirements

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There are three separate reports that are required to maintain compliance with the 20SW.

- Visual monitoring report  
(1/quarter)
- Routine facility inspections  
(1/quarter)
- Comprehensive Site Evaluation  
(1/year)





# Permit Requirements

## Visual Monitoring

- Required once a quarter for *all permittees*.
  - Looks at 8 different parameters
    - Color
    - Clarity
    - Oil Sheen
    - Odor
    - Floating Solids
    - Suspended Solids
    - Settled Solids
    - Foam





# Permit Requirements

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## Visual Monitoring

- We have a form you can use on our website, or you may use your own.
- <https://mde.maryland.gov/programs/permits/WaterManagementPermits/Documents/GDP%20Stormwater/20SW/20SW-Final-Permit.pdf>



# Permit Requirements

## Appendix B: Quarterly Visual Monitoring Form

Fill out a separate form for each outfall sampled.

Sample Location		
Quarter / Year:	Date / Time Collected:	Date / Time Examined:
Qualifying Storm Event?	Yes      No	Runoff Source:      Rainfall      Snowmelt
Collector's Name & Title		
Examiner's Name & Title		
Parameter	Parameter Description	Parameter Characteristics
1. Color	Does the stormwater appear to have any color? <b>Yes</b> <b>No (Clear)</b>	If Yes, describe: <i>Yellow Brown Red Gray</i> Other:
2. Clarity	Is the stormwater <u>not</u> clear? <b>Yes</b> <b>No</b>	If not clear, which of the following best describes the clarity of the stormwater? <i>Suspended Solids Milky/Cloudy Opaque</i> Other:
3. Oil Sheen	Can you see a rainbow effect or sheen on the water surface? <b>Yes</b> <b>No</b>	Which best describes the sheen? <i>Rainbow sheet Floating oil globules</i> Other:
4. Odor	Does the sample have an odor? <b>Yes</b> <b>No</b>	If Yes, describe: <i>Chemical Musty Rotten Eggs Sewage Sour Milk Oil/Petroleum</i> Other:
5. Floating Solids	Is there anything on the surface of the sample? <b>Yes</b> <b>No</b>	If Yes, describe: <i>Suds Oily Film Garbage Sewage Water Fowl Excrement</i> Other:
6. Suspended Solids	Is there anything suspended in the sample? <b>Yes</b> <b>No</b>	Describe:
<b>***Leave sample undisturbed for 30 minutes.***</b>		
7. Settled Solids	Is there anything settled on the bottom of the sample? <b>Yes</b> <b>No</b>	Describe: <i>(note type, size and material after sample is not disturbed for 30 minutes)</i>
8. Foam	Does foam or material form on the top of the sample surface if you shake it? <b>Yes</b> <b>No</b>	Describe:
9. If there are any visible indicators of pollution identify (1) where the pollution may come from and (2) any corrective actions taken.		

Stormwater Collector's Signature and Date:

Stormwater Examiner's Signature and Date:

Note – Sample should be collected and analyzed in a colorless glass or plastic bottle.





# Permit Requirements

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## Routine facility inspections

### 1. Routine Facility Inspection

At least once per quarter, you must conduct a site assessment that will review the effectiveness of the SWPPP. At least once each calendar year, the routine facility inspection must be conducted during a period when a stormwater discharge is happening. The facility inspections must be documented with a checklist (refer to Part V.A.2.a.i - Part V.A.2.a.viii for a minimum list of what to include) or other summary signed in accordance with Part II.C.1 of this permit, by qualified personnel, with at least one member of your stormwater pollution prevention team participating. The checklist must include a certification that the site is in compliance with the SWPPP and this permit, or a record of the deficiencies and necessary follow up actions. Refer to Part IV.C Corrective Action and AIM Documentation and Part IV.A.2 Corrective Action Deadlines for appropriate time frames.



# Permit Requirements

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## Routine facility inspections

- Document with a checklist or other summary signed by qualified personnel
- Checklist must include a certification that the site is in compliance with the SWPPP and this permit, or a record of the deficiencies and necessary follow up actions.




# Permit Requirements

## Comprehensive Site Evaluation

### Guidance

- EPA Annual Reporting Template
- EPA Industrial SWPPP Guide
- EPA Monitoring Guide
- EPA Aluminum Criteria Calculator (*macro-enabled Excel file*)
- Erosion and Sediment Control Handbook

NPDES Permit Tracking No.:

		UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460	
<b>Annual Reporting Form</b>			
<b>A. GENERAL INFORMATION</b>			
1. Facility Name: <input type="text"/>			
2. NPDES Permit Tracking No.: <input type="text"/>			
3. Facility Physical Address:			
a. Street: <input type="text"/>			
b. City: <input type="text"/>		c. State: <input type="text"/>	d. Zip Code: <input type="text"/> - <input type="text"/>
4. Lead Inspectors Name: <input type="text"/>		Title: <input type="text"/>	
Additional Inspectors Name(s): <input type="text"/>		<input type="text"/>	
5. Contact Person: <input type="text"/>		Title: <input type="text"/>	
Phone: <input type="text"/> - <input type="text"/> - <input type="text"/> Ext. <input type="text"/> E-mail: <input type="text"/>			
6. Inspection Date: <input type="text"/> / <input type="text"/> / <input type="text"/>			
<b>B. GENERAL INSPECTION FINDINGS</b>			







# Permit Requirements

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## Comprehensive Site Evaluation

- At a minimum the report must contain evaluation of areas where:
  - Industrial materials, residue or trash that may have or could come into contact with stormwater.
  - Leaks or spills from industrial equipment, drums, barrels, tanks or other containers that have occurred within the past three years.
  - Offsite tracking of industrial or waste materials or sediment where vehicles enter or exit the site.
  - Tracking or blowing of raw, final, or waste materials from areas of no exposure to exposed areas.
  - Evidence of, or the potential for, pollutants entering the drainage system.
  - Evidence of pollutants discharging to surface waters at all facility outfalls.
  - The condition of and around any outfall, including flow dissipation measures to prevent scouring.
  - Inspection of BMPs/control measures.
  - Training performed, inspections completed, maintenance performed, quarterly visual examinations, and effective operation of BMPs (including those required for Chesapeake Bay Restoration).
  - Visual and analytical monitoring results from the past year.



# Permit Requirements

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## Restoration requirements

- Who is required to perform restoration?

### A. Chesapeake Bay Restoration Requirements

You must comply with the requirements in this section if you meet ALL of these criteria:

- your facility is located within the Chesapeake Bay Watershed;
- your facility is 5 acres or greater in size;
- any portion of your facility is located within a Phase I or Phase II municipal separate storm sewer system (MS4) jurisdiction<sup>1</sup>; and
- your facility is not owned by or leased from an entity that is permitted as an MS4.

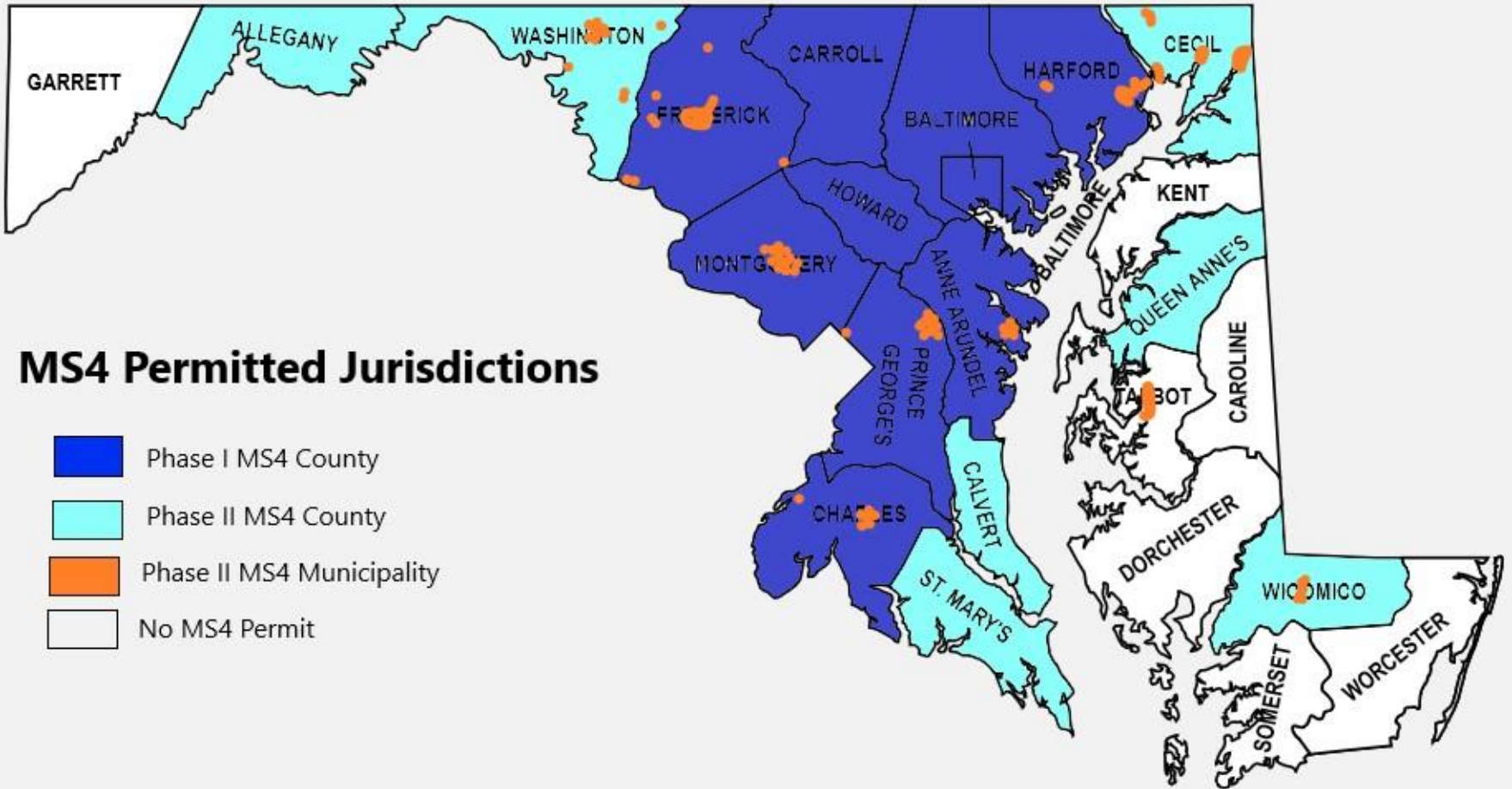
All facilities not owned by or leased from an entity that is permitted as an MS4, including those (Refer to Appendix G).



**Table A.1. Phase II MS4 General Permit Designation by County**

<b>Counties and Baltimore City</b>	<b>Jurisdictions Designated for Phase II MS4 Coverage</b>	<b>Justification</b>
Allegany	Allegany County*	County is located within an urbanized area
Anne Arundel	Annapolis	City is located in a Phase I MS4
Baltimore	N/A	Phase I permit covers entire county
Baltimore City	N/A	Phase I permit covers entire city
Calvert	Calvert County*	County is located within an urbanized area
Caroline	N/A	Does not meet the urbanized area criteria
Carroll	N/A	Phase I permit covers all municipalities
Cecil	Cecil County, Elkton, North East*, Perryville*, and Rising Sun*	County and municipalities are located within an urbanized area
Charles	Indian Head* and La Plata*	Municipalities are located in a Phase I MS4
Dorchester	N/A	Does not meet the urbanized area criteria
Frederick	Brunswick, Emmitsburg, Frederick, Middletown, Mount Airy, Myersville, Thurmont, and Walkersville	Municipalities are located in a Phase I MS4
Garrett	N/A	Does not meet the urbanized area criteria
Harford	Aberdeen, Bel Air, Havre de Grace	Municipalities are located in a Phase I MS4
Howard	N/A	Phase I permit covers entire county
Kent	N/A	Does not meet the urbanized area criteria
Montgomery	Gaithersburg, Rockville, and Takoma Park	Municipalities are located in a Phase I MS4; Phase I permit covers all other municipalities
Prince George's	Bowie	Bowie is located in a Phase I MS4; Phase I permit covers all other municipalities
Queen Anne's	Queen Anne's County*	County is located within an urbanized area
St. Mary's	St. Mary's County*	County is located within an urbanized area
Somerset	N/A	Does not meet the urbanized area criteria
Talbot	Easton*	Easton population is greater than 10,000 and density greater than 1,000 people per sq. mi.
Washington	Washington County, Boonsboro*, Hagerstown, Smithsburg, and Williamsport*	County and municipalities are located within an urbanized area
Wicomico	Wicomico County* and Salisbury	County and city are located within an urbanized area
Worcester	N/A	Does not meet the urbanized area criteria

\* Indicates a municipality newly designated for coverage as a Phase II small MS4





# Permit Requirements

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## Restoration requirements

- What are you required to do?

1. Control Measures for Nutrient Reduction

- a. You must select, design, install and implement restoration of 20% of the untreated impervious surface area at your facility or equivalent control measures for the reduction of nutrients.



# Permit Requirements

## How to meet the restoration requirements?



PREPARED BY:



ELLCOTT CITY, MARYLAND

AND THE



MARYLAND DEPARTMENT OF THE ENVIRONMENT  
WATER MANAGEMENT ADMINISTRATION  
1800 Washington Blvd., 4<sup>th</sup> Floor, STE 440 Baltimore, MD 21230-1708  
(410) 537-3550 1-800-633-6101 <http://www.mde.state.md.us>

### Accounting for Stormwater Wasteload Allocations and Impervious Acres Treated

Guidance for  
National Pollutant Discharge Elimination  
System Stormwater Permits

August 2014



1800 Washington Boulevard, Baltimore, MD 21230-1718 | [www.mde.maryland.gov](http://www.mde.maryland.gov)  
410-537-3000 | 800-633-6101 | TTY Users 800-735-2258  
Larry Hogan, Governor | Boyd Rutherford, Lt. Governor | Ben Grumbles, Secretary





# Environmental Justice

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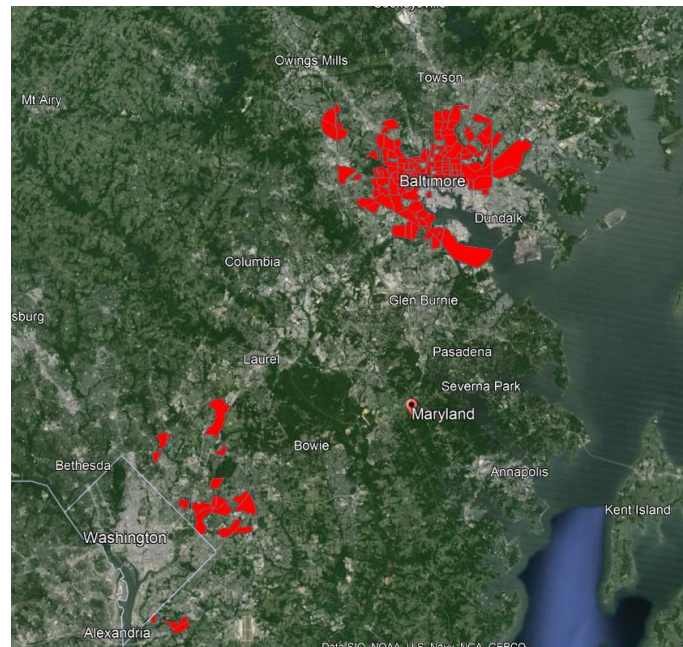
- The EJ score identifies underserved and overburdened communities
- MDE uses four indicators to screen locations and communities based on census and health data:
  - Pollution burden exposure
  - Pollution burden environmental effects
  - Sensitive populations
  - Socioeconomic/Demographic indicators





# Environmental Justice Score

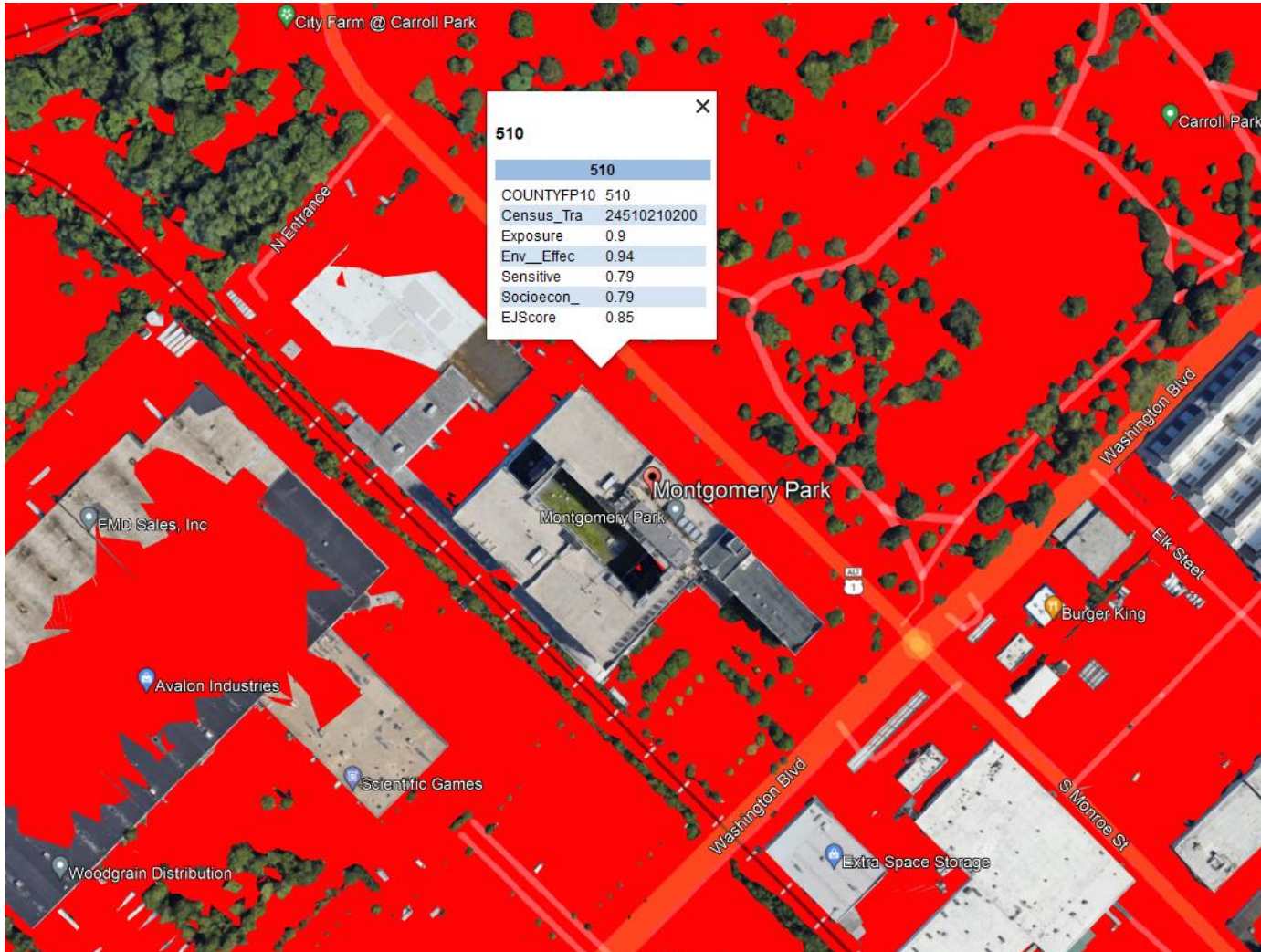
*The environmental justice score is obtained by locating your site on the [EJ Screening Tool](#) and obtaining the “Final EJ Score Percentile.” If any part of your site has a score that is 75 or greater you are considered to be in an elevated EJ concern area. This score shall be documented in your SWPPP and updated annually (as a part of your comprehensive site evaluation)*







# EJ Score Screening Tool





# EJ Score Screening Tool

510	
COUNTYFP10	510
Census_Tra	24510210200
Exposure	0.9
Env__Effec	0.94
Sensitive	0.79
Socioecon_	0.79
EJScore	0.85

- Input your address into the screening tool
- Click on the surrounding area & identify your site's "EJ Score"
- *If any part of your site has a score is 0.75 (75%) you are considered to be in a elevated EJ concern area.*



## PART V.A.2.b

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A report must be written summarizing the scope of the evaluation, name(s) of personnel performing the evaluation, the date of the evaluation, and all observations relating to the implementation of the SWPPP. Based on the results of the evaluation, the SWPPP must be modified as necessary. Include a summary of any incomplete actions remaining related to Corrective Actions triggered under Part IV, and include the AIM Documentation as required under Part IV.C. **If your EJ Score is  $\geq 0.75$ , and you are required to report Benchmarks, then you must submit your annual Comprehensive Site Compliance Evaluation via email to [SWPPP.PERMIT@maryland.gov](mailto:SWPPP.PERMIT@maryland.gov).**



# EJ Score and No Exposure

- If your facility is 5 acres or greater in size, your operations are within the Base Flood Elevation (BFE), or your operations are within a census tract with an EJ Score  $\geq 0.75$ , you shall also obtain written certification by either a Professional Engineer, a Certified Professional in Storm Water Quality (CPSWQ), a Registered Architect, a Landscape Architect or other professional as approved by the Department, that you meet the requirements of no exposure. EJ Score and Base Flood Elevation (BFE) are defined in Appendix E.



# No Exposure Certification

The No Exposure Certification (NEC ) is an exclusion from the 20SW permit



Maryland Department of the Environment  
**NO EXPOSURE CERTIFICATION** for Exclusion from  
NPDES Stormwater Permitting (20SW)

**Guidance Manual for Conditional Exclusion  
from MDE's Stormwater Permitting (20-SW)  
Based On "No Exposure" of Industrial  
Activities to Stormwater**

(updated 11/8/2022)



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Baltimore, MD 21230-1708  
410-537-3323





# Questions?



- Updates to NEC and requirements to resubmit
- If it has rained in the past 72 hours, but overnight, can the sample be collected on the next rain event, if at least 24 hours have been dry? With summertime overnight thunderstorm it make sampling complicated
- How does this impact the preparation of SWM & ESC plans and relevant/requisite permits?
- BMP sizing criteria?
- Where should we start with implementing Chesapeake Restoration requirements?