



# Industrial Stormwater Permitting

ESI Conference

October 6, 2021

*Department of Environmental Quality*



# *Stormwater Programs*

- NPDES Industrial
- NPDES MS4
- Construction
- Post-Construction Stormwater
- Water Supply Watershed

# *Industrial Stormwater Permits Overview*

- Components of an NPDES Industrial Stormwater Permit
- Types of Industrial Stormwater Permits
  - Revisions to permits in current renewal cycle
- Laserfiche
- eDMR
- CROMERR compliance

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# *Stormwater Pollution Prevention Plan (SWPPP)*



- Site map (outfall[s])
- Description of industrial processes and stormwater treatment
- Spill prevention and response
- Secondary containment
- Employee training

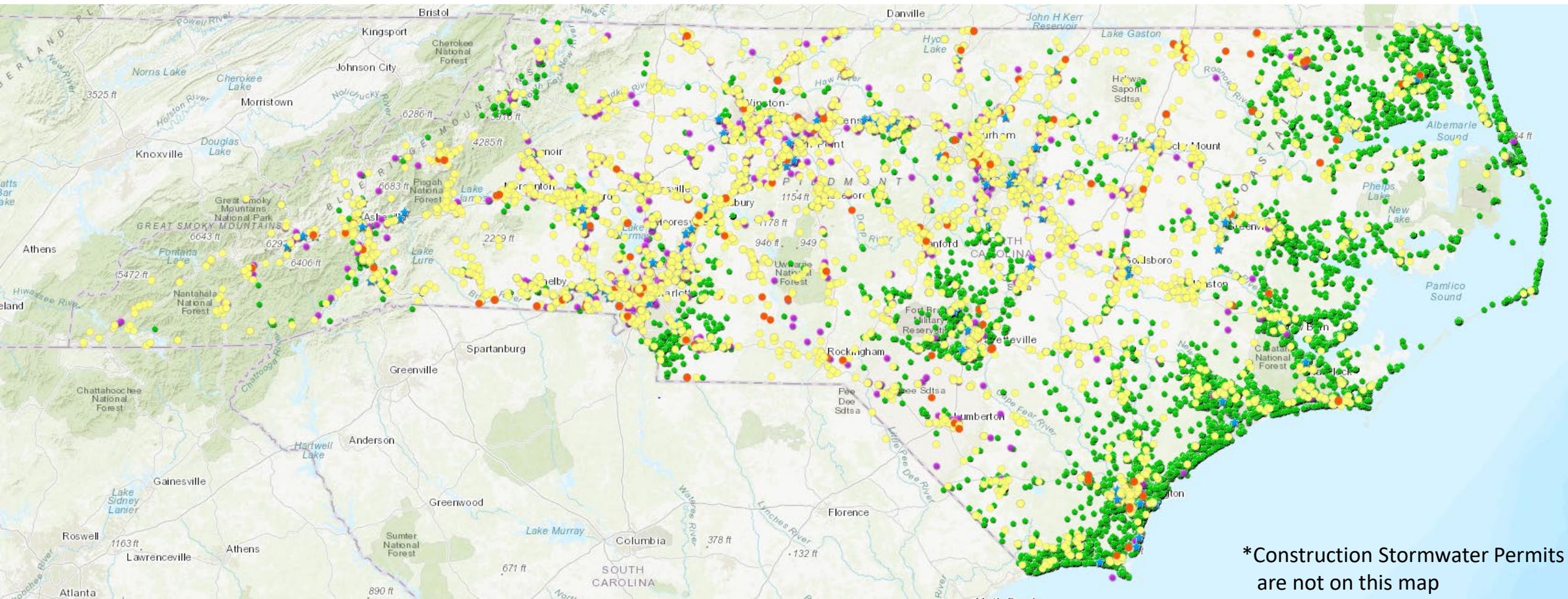
# Sampling at Stormwater Outfalls



- Quantitative: Benchmarks for TSS, pH, oil and grease, and other parameters depending on the type of permit and/or facility
- Qualitative: Color, odor, clarity, solids, foam, etc.
- Tier response if benchmarks are exceeded

# *Types of Industrial Stormwater Permits*

- General
- Individual
- No Exposure Certification
- Construction



> 3,200 Industrial General Permits  
 ~160 Industrial Individual Permits  
 860 Industrial No-Exposure Certifications

Yellow = NPDES Industrial General Permits  
 Orange = NPDES Industrial Individual Permits  
 Purple = NPDES No Exposure Certifications  
 Green = Post-Construction Permits  
 Blue = NPDES MS4 Permits

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# *Industrial General Stormwater Permits*

- Covers a category (or set of categories) of industry
  - Over 20 industrial categories have a general permit
- Public noticed for 30 days
  - Stakeholder meetings may be held
- Five-year term
- Facilities get a Certificate of Coverage (COC) under a general permit for their industrial category
  - As long as annual fees are up to date, COC automatically renewed

# Revisions to General Permits

- NCG020000, NCG030000, NCG060000, NCG080000, NCG090000, NCG100000, NCG120000, and NCG190000 updated in 2021
- Primary changes include:
  - Clarifications on Tiered Response, eDMR directions/timelines, “No Discharge” in eDMR
  - Quarterly monitoring (increased from semi-annual monitoring)
  - Action plan
  - Organizational improvements
- Future general permit renewals:
  - Renewed on normal schedule
  - Until all general permits contain the updated language, the Stormwater Program will be providing guidance to address Tiered Response

# *Industrial Individual Stormwater Permits*

- For facilities that do not qualify or fit into a general permit
- Public noticed for 30 days
- Five-year term
  - As long as annual fees are up to date and a renewal application was received at least 180 days prior to permit expiration, the permittee may continue discharging under an expired permit

# *Revisions to Individual Permits*

- Boilerplate language has been moved into the body of the permit
  - Language placed near relevant sections
  - Boilerplate no longer a permit attachment
- Monitoring increased from semi-annual to quarterly for quantitative and qualitative monitoring
- eDMR requirement
- “No Discharge” clarifications

# *No Exposure Certifications*



- Facilities that do not expose materials or operations to stormwater
- Annual self-certification

# Construction General Permit



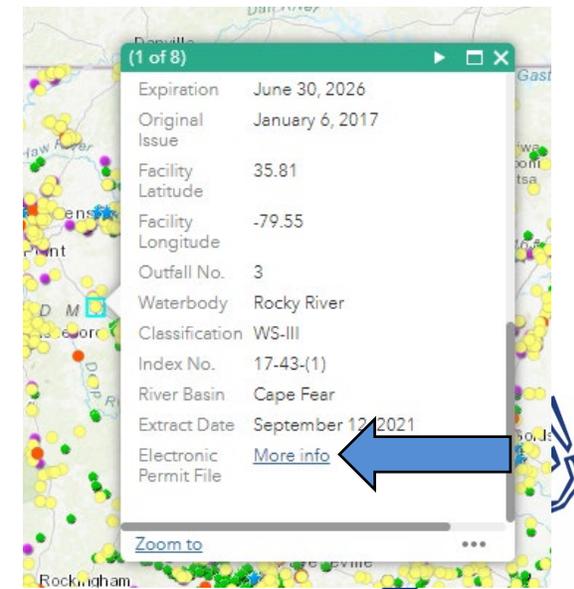
- Activities that disturb  $\geq 1$  acre or are part of a common plan of development  $\geq 1$  acre
- Second step after obtaining approval of the Erosion and Sediment Control (E&SC) plan
- Must be terminated upon completion
- Electronic NOI process

# Laserfiche

- Stormwater Program Laserfiche Repository
- Digital files now available for: Industrial Stormwater, MS4, and Construction Stormwater
- Post-Construction permit files are currently being scanned and will be added as they become available
- Permit files are grouped according to permit type and then sorted by permit number
  - If you do not wish to sort through a list of permit numbers, you may enter the facility address in the Active Stormwater Permits Map, click on the dot corresponding with the permit, and click "more info" at the end of the dialog box to open the permit file.

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<input type="checkbox"/>	Name	Current Status	ID #
<input type="checkbox"/>	Compliance & Enforcement		
<input type="checkbox"/>	Construction Stormwater COCs		
<input type="checkbox"/>	General Permits		
<input type="checkbox"/>	Individual Permits		
<input type="checkbox"/>	MS4 Program		
<input type="checkbox"/>	No Exposures		
<input type="checkbox"/>	SW Permits		
<input type="checkbox"/>	Water Supply Watershed Protection		



# eDMR and the 6 Step Process

Group	Industrial Permits in this Group	Register in eDMR (Steps 1-2)	Report in eDMR (Steps 3-5)
A	NCS Individual	January 1, 2021	July 1, 2021
B	NCG16 Asphalt Paving NCG17 Textile Mills NCG18 Furniture Manufacturing NCG20 Scrap Metal	April 1, 2021	July 1, 2021
C	NCG06 Food & Kindred NCG08 Transit & Transportation NCG09 Paints and Varnishes NCG10 Used Motor Vehicles NCG12 Landfills	July 1, 2021	January 1, 2022
D	NCG03 Metal Fabrication	August 1, 2021	January 1, 2022
E	NCG05 Apparel, Printing, Rubber NCG07 Stone, Clay, Glass	September 1, 2021	January 1, 2022
F	NCG11 Treatment Works >1MGD NCG13 Non-metal Waste/Scrap NCG21 Timber Products	October 1, 2021	July 1, 2022
G	NCG02 Mining Activities NCG19 Marinas	January 1, 2022	July 1, 2022
H	NCG14 Ready-Mix Concrete NCG24 Compost Operations	March 1, 2022	July 1, 2022

- EPA's NPDES Electronic Reporting Rule requires all NPDES-permitted facilities to submit reports (data monitoring reports, annual reports, etc.) electronically
  - Rule only changes the method by which information is provided, not the content of the information that must be provided
- Once a verified eDMR account is set up, no longer need to submit paper DMRs
- [eDMR website](#)



# *Cross-Media Electronic Reporting Rule (CROMERR)*

- CROMERR provides the legal framework for electronic reporting under all of EPA's environmental regulations
- Establishes technology-neutral, performance-based standards for information systems that receive reports and other documents electronically
- Provides electronic submittals with the same level of legal dependability as paper submittals
- Under CROMERR, subject e-reporting systems require EPA approval
  - EPA approval is based primarily on an assessment of how an authorized program's electronic reporting system meets the performance-based criteria outlined in CROMERR

- Pay your annual fees online!
  - Not set up for application fees or penalties
- Set up for industrial individual permits and industrial general permits
- Website: [deq.nc.gov/SW-epayments](http://deq.nc.gov/SW-epayments)

## Stormwater ePayments

Online Payments for Stormwater Industrial NPDES permits and Stormwater Construction NPDES permits

This page accepts permit fee payments for permit numbers beginning with "NCGO", "NCG1", "NCG2" or "NCS" (Stormwater Industrial NPDES permits), and "NCC" or "NCZ" (Stormwater Construction NPDES permits).

This page does not accept permit fee payments for:

- Permits issued by other DEQ programs. To pay permit fees for another program, please visit the [DEQ ePayments web page](#) and select the applicable permitting program.

Permit Number:	NCS000202
Facility Name:	KT Mica
Owner Name:	The Quartz Corp USA

There were no unpaid permit annual fee invoices found for the above permit number.

Try Again

### Stormwater Program

[Contacts](#)

[Maps & Permit Data](#)

[Flooding Guidance](#)

[Stormwater Design Manual](#)

[Rules & Regulations](#)

[Post-Construction Program](#)

[NPDES Construction Program](#)

[NPDES Industrial Program](#)

[NPDES MS4 Program](#)

[Water Supply Watershed Protection Program](#)

[Stormwater Public Notices](#)

[Training & Outreach](#)

[Stormwater ePayments](#)

# *Additional Resources*

- Stormwater Overview: [deq.nc.gov/SW](http://deq.nc.gov/SW)
- Stormwater ePayments: [deq.nc.gov/SW-epayments](http://deq.nc.gov/SW-epayments)
- Construction Stormwater: [deq.nc.gov/NCG01](http://deq.nc.gov/NCG01)
- NPDES Industrial Stormwater: [deq.nc.gov/SW-industrial](http://deq.nc.gov/SW-industrial)
- Stormwater eDMR: [deq.nc.gov/SW-eDMR](http://deq.nc.gov/SW-eDMR)
- Active Stormwater Permits Map: [deq.nc.gov/SW-maps](http://deq.nc.gov/SW-maps)
- Flooding: [deq.nc.gov/SW-flooding](http://deq.nc.gov/SW-flooding)
- Stormwater Design Manual: [deq.nc.gov/SW-manual](http://deq.nc.gov/SW-manual)

# Questions?



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Stormwater Program, NC DEQ DEMLR  
[deq.nc.gov/SW](http://deq.nc.gov/SW)

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