



**Division of Surface Water**  
**NPDES Small MS4 General Permit**  
**(OHQ000003) Annual Reporting Form**

**Instructions for completing this form**

- OHQ000003 requires that this form be used when submitting annual reports. You may request approval to use your own reporting format.
- Annual Reports are due annually on or before April 1st.
- Complete the form and sign and date the certification statement below
- If more space is needed than is provided, identify within the provided space that Attachment A, B, C, etc. has been attached.
- If an item of the form is not applicable for your program (such as street sweeping), fill in N/A in the space provided.
- Do not include attachments such as brochures, newspaper clips, sign-in sheets, etc. related to your program with this form.  
 You only need to summarize these within this report. These records must be filed and will be needed during program audits.
- When complete, submit this Annual Report form to the following address:  
 Ohio Environmental Protection Agency  
 Division of Surface Water  
 Storm Water Program-Small MS4  
 P.O. Box 1049  
 Columbus, Ohio 43216-1049

**General Information**

<b>Small MS4 Annual Report for Year:</b> 2020		<b>Ohio EPA Facility Permit Number:</b> 3GQ00012*CG	
<b>Name of MS4:</b> CITY OF CLEVELAND			
<b>Mailing Address:</b> 12302 KIRBY AVE			
<b>City:</b> CLEVELAND		<b>State:</b> OH	<b>Zip Code:</b> 44108
<b>Country:</b> USA		<b>County:</b> Cuyahoga	
<b>Primary Contact:</b> RAMONA LOWERY		<b>Title:</b> COMMISSIONER	
<b>Email Address:</b> rlowery@clevelandwpc.com		<b>Phone:</b> (216) 664-2750	<b>Fax:</b>

Include or attach a Table of Organization. Indicate who (name and contact information) is responsible for overall management and implementation of your program, and if different, each minimum control measure of your program. Identify how development and implementation across multiple positions, agencies and departments occur. Also, identify any Memorandum of Understandings (MOUs) or other such agreements that exist.

**Upload File Name for Table of Organization:** Visio-2020 Stormwater Management Organization.pdf

**Certification**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including possibility of fine and imprisonment for knowing violations.

<b>Applicant Name:</b> Jennifer Heard	<b>Title:</b> Chief Civil Engineer
<b>Signature:</b> Electronically submitted by Waterpollutioncontrol	<b>Date:</b> Electronically submitted on 04/01/2021

**PUBLIC EDUCATION AND OUTREACH**

**Estimate Your Permit Area of Total Population:** 396830

BMP (mechanism)	Responsible Party	Measurable Goal	Theme or Message	Target Audience	% Target Audience	Effective
Neighborhood Clean-Up	City of Cleveland	Collect and remove approximately 25 tons of waste/debris from blighted areas throughout Cleveland.	N/A	High school students	3	Yes
Summary of Results: Twelve area high school students worked with City of Cleveland employees over the course of four weeks to remove 40 tons of waste and debris from the Central, Kinsman, Slavic Village and Opportunity Corridor neighborhoods in Cleveland.						
Comments:						
Workshops and Presentations	CSWCD	Reach at least 10% of the community's population.	We all live in a watershed and our action on the land directly affect the quality of our water.	General public; teachers/students; and stormwater professionals	10	Yes

Summary of Results: Cuyahoga SWCD ¿ Who We Are, What We Do virtual presentation on Cuyahoga SWCD website

One resident of Cleveland watched this webinar

Let the Flare See the Air

virtual presentation on Cuyahoga SWCD website

One resident of Cleveland watched this webinar

Master Rain Gardener certification webinars on Cuyahoga SWCD website

Three residents of Cleveland watched these webinars

Sustainable Cleveland; Engaging Communities Through Climate Action webinar

Two residents of Cleveland watched this webinar

Virtual Green Yards and Healthy Homes Workshop on Cuyahoga SWCD website

Eight residents of Cleveland watched this webinar

May 29, 2020

Smart Gardening for Clean Water virtual presentation

50 residents of Cleveland watched this webinar

June 22, 2020

What is that native plant and how do I get it?

webinar

Seven residents from the City of Cleveland watched this webinar

July 10, 2020

Tree Presentation CWRU Youth Group

Held in Cleveland, this event had 13 attendees

August 6, 2020

Neo Nu Hydromatic Aquathon 2020

Eight residents of the City of Cleveland attended this event.

Comments:

Doan Brook Watershed Partnership Website	DBWP	Increase visibility by 7%.	We all live in a watershed and our actions on the land directly affect the quality of our water.	Watershed residents	9	Yes
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Summary of Results: 5,800 unique website users; 8,400 individual sessions, and 21,450 page views in 2020.

Comments:

<p>Distribution of conservation messages via CSWCD blog.</p>	<p>CSWCD</p>	<p>Distribute theme-based educational materials and placed theme-based posters in community centers and on CSWCD website to 10% of the community's population,</p>	<p>Road salt directly impacts aquatic life when it runs off into local streams. By adopting alternative deicing techniques and sensible salting strategies, the amount of road salt reaching local waterways will be reduced.</p> <p>Small changes in lawn care, landscaping and soil health management practices can lead to local water quality improvements. Converting lawn areas to native trees, shrubs, rain gardens, wildflowers or prairie grasses improves soil health, increases rain water infiltration and reduces pollution from lawn runoff. Rain Barrels improve water quality by reducing stormwater runoff and therefore the delivery of pollutants to the storm sewer system.</p> <p>Waste materials that are improperly managed or disposed of negatively impact water quality and aquatic ecosystems.</p> <p>Trees intercept and infiltrate rainwater before it can be converted to runoff. Properly planting and maintaining native trees reduces runoff and improves water quality.</p> <p>We all live in a watershed and our actions on the land directly affect the quality of our water.</p>	<p>Residents/Homeowners</p>	<p>10</p>	<p>Yes</p>
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Summary of Results: Cuyahoga SWCD staff writes and posts a weekly blog on their website. The community is encouraged to link to the blog on their website and repost the messages on their facebook pages and also to their residents via e-blast, etc.

In 2020, there were 51 blogs written on the Cuyahoga SWCD website.

Topics are on soil and water conservation particularly stormwater and watershed tips. Here is a sample of some of the topics. A full list can be found on [www.cuyahogawcd.org/blog](http://www.cuyahogawcd.org/blog)

1. Go Native! But how?
2. Your Backyard Stream ¿ An Owner¿s Manual
3. Spring Into Ohio¿s First Native Plant Month
4. Conservation in the time of Covid-19
5. Forest City Tree Care Tools
6. Do you know your watershed address?
7. SWCD now offers workshops online
8. Recycle Your Leaves
9. The Need for Trees to be Planted Correctly
10. Salting Sensibly

Comments:						
Targeted mailings	Cuyahoga Soil and Water Conservation District (CSWCD)	At least 10% of households will receive a message about proper tree planting and maintenance.  At least 10% of the community¿s residents will be reached with a message about Backyard Conservation.	Trees intercept and infiltrate rainwater before it can be converted to runoff. Properly planting and maintaining native trees reduces runoff and improves water quality.  We all live in a watershed and our actions on the land directly affect the quality of our water.	Residents/Homeowners	10	Yes

Summary of Results: Brochure ¿Proper Planting and Care of a New Tree¿ mailed out to 17,614 households in community.

95 residents of Cleveland received a fact sheet titled ¿Don¿t Dump.¿

Comments:						
What Do Trees Do For You Brochures	CSWCD & Community	Distribute theme-based educational materials to 10% of the community's population and placed theme-based poster in community centers.	Trees intercept and infiltrate rainwater before it can be converted to runoff. Properly planting and maintaining native trees reduces runoff and improves water quality.	Residents/Homeowners	10	Yes

Summary of Results: "What Do Trees Do For You?" poster placed in community hall

Comments: Educational Materials Distributed by Cuyahoga SWCD to Stormwater Manager:

Spring distribution

There was no spring distribution to the community due to covid-19

-Instead of Cuyahoga SWCD newsletters being delivered to community, they were mailed out to a percentage of underserved households in each community.

Summer distribution

1. Cuyahoga SWCD Summer newsletter ζ 25
2. Only Rain Down the Drain rack card ζ 25
3. This Winter Use the Right S.A.L.T. rack card ζ 25
4. Let Them Up Their Sticks, You Pick Up Their Waste rack card ζ 25
5. Proper Planting and Care of a New Tree - 15

Fall distribution

1. Cuyahoga SWCD Winter newsletter ζ 25
2. ζWhat Do Trees Do For Youζ poster - 1

Information also sent to the community thru Dropbox to be distributed to residents via email, community newsletter and posted on community's website.

E-blasts

130 residents of Cleveland received an e-blast titled ζDon't Dump In Euclid Creekζ and the Friends of Euclid Creek Newsletter

Distribution of CSWCD and Euclid Creek Newsletters	CSWCD	Distribute theme-based educational materials and placed theme-based posters in community centers and on CSWCD website to 10% of the community's population.	We all live in a watershed and our actions on the land directly affect the quality of our water.	Residents/Homeowners	10	Yes
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Summary of Results: Cuyahoga SWCD newsletters are filled with articles about stormwater and announcements of public events pertaining to conservation.

2,365 households received the Cuyahoga SWCD Newsletter three times a year.

25 copies of the Cuyahoga SWCD newsletter were distributed three times a year to all the branches of the Cleveland Public Library.

98 Cleveland residents received the Euclid Creek newsletter.

Comments:

Doan Brook Watershed Partnership (BDWP) Newsletter	Doan Brook Watershed Partnership	Increase the number of residents indicating knowledge of stormwater issues and solution by 10%.	We all live in a watershed and our actions on the land directly affect the quality of our water.	Watershed residents	9.88	Yes
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Summary of Results: 18 email newsletters were sent reaching 6,319 individuals; 4,084 residents received the annual newsletter by mail.

Comments:

Virtual Stormwater Awareness Week	Water Pollution Control	N/A	Stronger Together	High school students and teachers	1	Yes
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Summary of Results: Capitalized on the "Stronger Together" theme from NPWW. Focused on how working together can positively impact local water quality.

Comments:						
Stream Cleanup	Water Pollution Control	Increase awareness of stormwater best management practices by 10%.	Lake Erie Starts Here	Residents and property owners in Cleveland	1	Yes
Summary of Results: River Sweep - 23 registered volunteers worked together to clean up a dump site and unblock two (2) abandoned catch basins.						
Comments:						
Virtual National Public Works & Safety Week Openhouse	Water Pollution Control	Increase awareness of stormwater best management practices by 10%	Stronger Together	Residents and property owners in Cleveland	1	Yes
Summary of Results: The theme applied to the public works industry, but will be used by WPC to emphasize how everyone working together can positively impact local water quality.						
Comments:						
Rain Garden Clean Up	Mayor's Office of Sustainability	Clean approximately 6500 sq. ft. of rain gardens throughout the City of Cleveland.	N/A	Cleveland residents and property owners	1	Yes
Summary of Results: Twenty-two volunteers cleaned/maintained eleven rain gardens, totaling 7,600 sq. ft. throughout the City of Cleveland.						
Comments:						

Stormwater Education Website	CSWCD	Distribute theme-based educational materials and placed theme-based posters in community centers and on CSWCD website to 10% of the community's population.	<p>Road salt directly impacts aquatic life when it runs off into local streams. By adopting alternative deicing techniques and sensible salting strategies, the amount of road salt reaching local waterways will be reduced.</p> <p>Small changes in lawn care, landscaping and soil health management practices can lead to local water quality improvements. Converting lawn areas to native trees, shrubs, rain gardens, wildflowers or prairie grasses improves soil health, increases rain water infiltration and reduces pollution from lawn runoff. Rain Barrels improve water quality by reducing stormwater runoff and therefore the delivery of pollutants to the storm sewer system.</p> <p>Waste materials that are improperly managed or disposed of negatively impact water quality and aquatic ecosystems.</p> <p>Trees intercept and infiltrate rainwater before it can be converted to runoff. Properly planting and maintaining native trees reduces runoff and improves water quality.</p> <p>We all live in a watershed and our actions on the land directly affect the quality of our water.</p>	Residents/Homeowners	10	Yes
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Summary of Results: Cuyahoga SWCD hosts a stormwater education webpage on their website. All materials are listed on this site. Community is encouraged to link to this page on their website and share it with residents.

[www.cuyahogawcd.org/programs/stormwater-education](http://www.cuyahogawcd.org/programs/stormwater-education)

Comments:



Distribution of Monthly Conservation Tips	CSWCD and community	Distribute theme-based educational materials to 10% of the community's population and placed theme-based poster in community centers.	<p>Road salt directly impacts aquatic life when it runs off into local streams. By adopting alternative deicing techniques and sensible salting strategies, the amount of road salt reaching local waterways will be reduced.</p> <p>Small changes in lawn care, landscaping and soil health management practices can lead to local water quality improvements. Converting lawn areas to native trees, shrubs, rain gardens, wildflowers or prairie grasses improves soil health, increases rain water infiltration and reduces pollution from lawn runoff. Rain Barrels improve water quality by reducing stormwater runoff and therefore the delivery of pollutants to the storm sewer system.</p> <p>Waste materials that are improperly managed or disposed of negatively impact water quality and aquatic ecosystems.</p> <p>Trees intercept and infiltrate rainwater before it can be converted to runoff. Properly planting and maintaining native trees reduces runoff and improves water quality.</p> <p>We all live in a watershed and our actions on the land directly affect the quality of our water.</p>	Residents/Homeowners	10	Yes
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Summary of Results: Cuyahoga SWCD provided the community with two sets of monthly conservation tips via Dropbox to be distributed to residents via email, social media, community newsletter and posted on the community website.

1. January - New Year, New Lawn Attitude
2. February - Fall In Love With Your Lawn
3. March - Mowing March Madness
4. April - Hop To It, Get Outside
5. May - Mother Earth & Treat Mom Right
6. June - Give Dad a Break
7. July - Independence from Chemicals
8. August - Dog Days of Summer
9. September - Don't Labor Over the Lawn
10. October - Mulching the Leaves Isn't a Trick. It's a Treat for your Lawn
11. November - Be Thankful for a Healthy Lawn
12. December - Give Your Lawn the Gift of Good Health

1. January & Reduce Your Runoff
2. February & Respect Your Wetlands
3. March & Love Your Water
4. April & Plant A Tree
5. May & Buffers Give Us An Edge
6. June & Trade Non-Native Plants for Native Ones
7. July & Put Your Water To Work
8. August & Keep Your Soil Covered
9. September & Install a Rain Garden
10. October & Leave the Leaves
11. November & Keep It Fresh
12. December & Work All Winter

Comments:

**PUBLIC EDUCATION & OUTREACH**

*Summarize activities you plan to undertake during the next reporting cycle.*

BMP (mechanism)	Responsible Party	Measurable Goal	Theme or Message	Target Audience	% Target Audience	Proposed Schedule
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Poster and Education Materials	CSWCD and community	Distribute theme-based educational materials and placed theme-based posters in community centers and on CSWCD website to 10% of the community's population.	<p>Road salt directly impacts aquatic life when it runs off into local streams. By adopting alternative deicing techniques and sensible salting strategies, the amount of road salt reaching local waterways will be reduced.</p> <p>Small changes in lawn care, landscaping and soil health management practices can lead to local water quality improvements. Converting lawn areas to native trees, shrubs, rain gardens, wildflowers or prairie grasses improves soil health, increases rain water infiltration and reduces pollution from lawn runoff. Rain Barrels improve water quality by reducing stormwater runoff and therefore the delivery of pollutants to the storm sewer system.</p> <p>Waste materials that are improperly managed or disposed of negatively impact water quality and aquatic ecosystems.</p> <p>Trees intercept and infiltrate rainwater before it can be converted to runoff. Properly planting and maintaining native trees reduces runoff and improves water quality.</p> <p>We all live in a watershed and our actions on the land directly affect the quality of our water.</p>	General public	10	2021
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Summary of Planned Activities: Placement of theme-based poster and distribution of printed educational materials at the community hall or other appropriate facility, placement of articles in community newsletters and Cuyahoga SWCD newsletter, and on community and Cuyahoga SWCD websites. All materials, as well as additional information and guidance will be housed on the Cuyahoga SWCD Stormwater Education web page. All outreach materials will direct readers to this page for additional information.

Comments: N/A

Annual County-wide Teacher Workshop	CSWCD	Hold at least 10 workshop during the school year	We all live in a watershed and our actions on the land directly affect the quality of our water.	Teachers/students	10	2021
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Summary of Planned Activities: Annual county-wide teacher workshop will be offered to school districts serving the community.						
Comments: N/A						
Multi-Media Education	Water Pollution Control	Generate 2000 impressions	Various	WPC visitors	50	Daily
Summary of Planned Activities: Expand the use of monitors displaying content about WPC and stormwater best management practices and green infrastructure.						
Comments: None						
Education Mobile Trailer	Water Pollution Control	TBD	Various	Residents and property owners in Cleveland	5	TBD
Summary of Planned Activities: Design and create content for a mobile trailer to educate the public about WPC and stormwater management.						
Comments: None						
Website Updates	DBWP	Increase number of hits, page visits and Facebook likes by 5%.	To educate people about the Doan Brook Watershed and its issues.  Every storm drain and small tributary flows to Lake Erie via Doan Brook and other streams.	Watershed residents	1	Monthly throughout 2021
Summary of Planned Activities: Visitors will access information, scientific data and education materials at doanbrookpartnership.org. They will register for DBWP events and like our Facebook page.						
Comments: None						
DBWP Newsletter	DBWP	Increase the number of residents indicating knowledge of storm water issues and solutions by 10% by the end of the 5- year permit term.	We all live in a watershed and our actions on the land directly affect the quality of our water. Every storm drain and small tributary flows to Lake Erie via Doan Brook and other local streams.	Watershed residents	1	At least bi-monthly throughout 2021 for email newsletters. One mailed newsletter in the fall.
Summary of Planned Activities: Email newsletters will be distributed to residents on email contact list at least 12 times during the course of the year. Mailed newsletter will be distributed once per year to residents on physical mailing contact list.						
Comments: None						
Workshops and Presentations	CSWCD	Conduct at least 3 workshops/presentations	We all live in a watershed and our actions on the land directly affect the quality of our water.	General public; teachers/students; and/or stormwater professionals	10	2021
Summary of Planned Activities: Presentation will be given to one civic, scout or student group in the community.						
Comments: None						
CSWCD Newsletter	CSWCD	At least 5% of those reached by the message will seek additional information	We all live in a watershed and our actions on the land directly affect the quality of our water.	General public	10	2021

Summary of Planned Activities: Cuyahoga SWCD Newsletter will be mailed to residents on our mailing list 3 times during the course of the year, and distributed at community hall and in the local library/nature center.						
Comments: None						
School-based presentations and annual poster contest	CSWCD	Recruit at least 10 participants.	We all live in a watershed and our actions on the land directly affect the quality of our water.	Teachers/students	10	2021
Summary of Planned Activities: School-based and/or civic group presentations and/or an annual poster contest will be made available to school districts serving the community.						
Comments: None						
WPC Demonstration Project Tours	Water Pollution Control	TBD	TBD	Watershed groups/partners	25	TBD
Summary of Planned Activities: Conduct tour of WPC's Stormwater Management Demonstration Project, which now includes pervious pavers.						
Comments: None						
Watershed Brochures	Water Pollution Control	TBD	Watershed education	Various	5	2021 - Q3
Summary of Planned Activities: Complete educational brochures about the five watersheds within the City of Cleveland.						
Comments: None						
Educational Literature/Power Point Presentations	DBWP	Calculate actual number of people educated from literature and PowerPoint presentations.	We all live in a watershed and our actions on the land directly affect the quality of our water. Every storm drain and small tributary flows to Lake Erie via Doan Brook and other local streams.	Watershed residents.	1	As requested by community groups.
Summary of Planned Activities: Presentations will include information on rain barrels, rain gardens, green infrastructure, sustainable landscaping and the history and hydrology of the Doan Brook Watershed.						
Comments: None						
Doan Brook Watershed Partners Website	DBWP	Number of hits, page visits and Facebook likes.	To educate people about the Doan Brook Watershed and its issues. Provide data, volunteer opportunities and educational and recreational event opportunities. Every storm drain and small tributary flows to Lake Erie via Doan Brook and other local streams.	Watershed residents	1	Monthly throughout 2021.
Summary of Planned Activities: Visitors will access information, scientific data and educational materials at <a href="http://www.doanbrookpartnership.org">www.doanbrookpartnership.org</a> . They will register for DBWP events and like our Facebook page.						
Comments: None						
Target Mailings	CSWCD	At least 10% of the community's residents will be reached with a "Waste - There is No Away" message, about proper leaf disposal.	Waste materials that are improperly managed or disposed of negatively impact water quality and aquatic ecosystems.	Residents/Homeowners	10	2021
Summary of Planned Activities: Printed materials will be mailed to 10% of households in the community about proper leaf disposal.						
Comments: None						

**PUBLIC INVOLVEMENT AND PARTICIPATION**

BMP (mechanism)	Responsible Party	Measurable Goal	Theme or Message	Target Audience	Estimate Of People Participated	Effective
Stromwater Pledges and Dog Photo Contest	CSWCD	Distribute at least 5 car/boat letter bags to participants that take the pledge; Distribute at least 5 dog bandanas to participants that take the pledge.	Stow it, Don't Throw It Pledge/Do Your Doody, Pick Up Poopy  Waste materials that are improperly managed or disposed of negatively impact water quality and aquatic ecosystems.  We all live in a watershed and our actions on the land directly affect the quality of our water.	General public	5	Yes

Summary of Results: Stow It, Don't Throw It pledge

1 - Cleveland resident took this pledge

Do Your Doody, Pick Up Poopy

4 - Cleveland residents took this pledge.

Comments:

Citizen Participation in Watershed Planning and Management	CSWCD	At least one citizen participates in water quality monitoring, and/or at least 5 citizens provide input on a watershed or stormwater management plan for the community/watershed.	We all live in a watershed and our actions on the land directly affect the quality of our water.	Residents	1	Yes
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Summary of Results: March 3, 2020 - One Cleveland resident participated in the Euclid Creek PIPE committee meeting.

Comments:

Tree ID Hike in the Doan Brook & Dugway Brook Parklands	DBWP	Educate at least 5% of participants on how pollution enters local waterways and the important role trees play in stormwater management.	Native plants and trees filter non-point source pollutants, decrease soil erosion, assist soil microbial life and promote biodiversity. Habitats other than lawn are preferable for healthy water quality.	Watershed citizens	48	Yes
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Summary of Results: Hike #1 - 2/2/2020: Participants learned how trees impact water quality in a multitude of ways while hiking around Lower Shaker Lake.

Hike #2 - 7/9/2020: Participants learned how invasive trees impact their environment and water quality while hiking around Lower Shaker Lake.

Comments:

Doan Brook & Dugway Brook Stream Clean-Ups	DBWP, Nature Center at Shaker Lakes, Larchmere Community Association, East Cleveland Parks Association, Case Western Reserve University and the Litterbugz	Sweep/clean 10-30% of Doan Brook main stem; Sweep/clean 10% of Dugway Brook in Forest Hill Park.	We all live in a watershed and our actions on the land directly affect the quality of our water.	Watershed citizens	94	Yes
Summary of Results: April 1-30: 18 individuals collected trash and recyclables from the Doan Brook in Rockefeller Park and from the Doan Brook gorge.						
May 16: Volunteers collected trash and recyclables from the Dugway Brook in Forest Hill Park.						
Comments:						
DIY Rain Barrel Workshop	DBWP	100% of all participants will learn how to build rain barrels for collecting rain water	We all live in a watershed and our actions on the land directly affect the quality of water.	Homeowners	13	Yes
Summary of Results: June 30: To adhere to COVID guidelines, no more than 10 homeowners per workshop were taught how to build a rain barrel with materials provided by the DBWP.						
July 7: Homeowners were taught how to build a rain barrel with materials provided by the DBWP.						
Comments: None						
Rain Barrel Art & Installation Workshop	CSWCD	At least one Rain Barrel Workshop will be conducted in the community.	Small changes in lawn care, landscaping and soil health management practices can lead to local water quality improvements. Converting lawn areas to native trees, shrubs, rain gardens, wildflowers or prairie grasses improves soil health, increases rain water infiltration and reduces pollution from lawn runoff. Rain Barrels improve water quality by reducing stormwater runoff and therefore the delivery of pollutants to the storm sewer system.	Homeowners	29	Yes

Summary of Results: August 4, 2020

Rain Barrel workshop

Held in Independence, 6 residents of Cleveland participated and built a rain barrel.

August 5, 2020

Rain Barrel workshop

Held in University Heights, 7 residents of Cleveland participated and built a rain barrel.

August 12, 2020

Rain Barrel workshop

Held in Newburgh Heights, 5 residents of Cleveland participated and built a rain barrel.

August 19, 2020

Rain Barrel workshop

Held in Seven Hills, 3 residents of Cleveland participated and built a rain barrel

September 23, 2020

Rain Barrel workshop

Held in Gates Mills, 3 residents from Cleveland participated and built a rain barrel.

September 23, 2020

Rain Barrel Workshop

Held in Garfield Heights, 4 residents from Cleveland participated and built a rain barrel.

October 8, 2020

Rain Barrel workshop

Held in Oakwood, 1 resident of Cleveland participated and built a rain barrel

Comments:

Storm Drain Stenciling	DBWP	Reduce pollution entering local waterways via catch basins by 5% over the permit term.	We all live in a watershed and our actions on the land directly affect the quality of our water.	Watershed volunteers	64	Yes
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Summary of Results: June 20; August 15; September 26: Volunteers were invited to stencil storm drains in the Larchmere neighborhood of Cleveland, in Cleveland Heights, Shaker Heights and in Lakewood. The message "Lake Erie Starts Here" is now painted through the community for walkers and drivers to learn how catch basins are connected to local waterways and Lake Erie.

Comments:

Storm Drain Stenciling & Storm Drain Art	CSWCD	Conduct at least one stenciling event in the community.	Waste materials that are improperly managed or disposed of negatively impact water quality and aquatic ecosystems.  We all live in a watershed and our actions on the land directly affect the quality of our water.	Students; youth clubs; service clubs	40	Yes
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Summary of Results: October 17, 2020

Storm Drain Art and Stenciling: Forty people helped to paint the storm drains at the intersection of Perkins Ave and E. 26th with messages about Lake Erie Starts Here and Dump No Waste.

Comments:

<p>Watershed-friendly Landscaping: Rain Garden Installation and/or Sustainable Lawnscape Installation</p>	<p>CSWCD</p>	<p>At least 1 commercial or institutional property owner or 2 community residents will install rain gardens or other sustainable landscapes.</p>	<p>Small changes in lawn care, landscaping and soil health management practices can lead to local water quality improvements. Converting lawn areas to native trees, shrubs, rain gardens, wildflowers or prairie grasses improves soil health, increases rain water infiltration and reduces pollution from lawn runoff. Rain Barrels improve water quality by reducing stormwater runoff and therefore the delivery of pollutants to the storm sewer system.</p>	<p>Commercial/Institutional properties; Homeowners</p>	<p>33</p>	<p>Yes</p>
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Summary of Results: Native Seed Sale

Cuyahoga SWCD sold native seed packets. In 2020, 8 residents of Cleveland bought native seed packets.

Native Plant Kit Sale

Cuyahoga SWCD sold native plant kits. In 2020, 24 residents bought native plant kits.

Master Rain Gardener graduate

One resident of Cleveland graduated from the Master Rain Gardener certification course and installed a rain garden.

Comments:

<p>Green Yards and Healthy Homes Workshop</p>	<p>CSWCD</p>	<p>Conduct at least on workshop, reaching at least 10 residents.</p>	<p>Small changes in lawn care, landscaping and soil health management practices can lead to local water quality improvements. Converting lawn areas to native trees, shrubs, rain gardens, wildflowers or prairie grasses improves soil health, increases rain water infiltration and reduces pollution from lawn runoff. Rain Barrels improve water quality by reducing stormwater runoff and therefore the delivery of pollutants to the storm sewer system.</p> <p>We all live in a watershed and our actions on the land directly affect the quality of our water.</p>	<p>Residents, Parent Organizations, Garden Clubs</p>	<p>17</p>	<p>Yes</p>
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Summary of Results: March 3, 2020  
 Green Yards and Healthy Homes Workshop  
 Held in Cleveland, 17 people attended this workshop.

Comments:

Riparian Habitat Maintenance	DBWP, Case Western Reserve University, and Nature Center at Shaker Lakes	Remove 90-100% of invasive plants	Native plants and trees filter non-point source pollutants, decrease soil erosion, assist soil microbial life and promote biodiversity.  We all live in a watershed and our actions on the land directly affect the quality of our water.	Students and volunteers	573	Yes
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Summary of Results: In a socially distant capacity, students and volunteers removed invasive plants and planted native plants at historic site on Lower Shaker Lake: January 20 & 26; March 23, 28 & 29; April 2, 9, 10, 19 & 20; May 3, 10, 17, 24 & 31; June 6, 14, 21 and 28; July 5, 12, 19 & 26; August 2, 9, 16, 23, & 30; September 6, 20 & 27; October 4, 11, 18 & 25; November 6, 8 & 15; and December 1.

September 26: In a socially distant capacity, volunteers removed invasive plants from multiple sites around Lower Lake in celebration of National Public Lands Day.

Comments:

Educational Watershed Hikes	DBWP, Cuyahoga Arts and Culture, Bluestone Heights and the Nature Center at Shaker Lakes	Teach at least 100 people about the interconnectedness of geology, topography, soil and water and how various land-use activities affect local watersheds and Lake Erie.	We all live in a watershed and our actions on the land directly affect the quality of our water.	Watershed citizens	973	Yes
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Summary of Results: DBWP hosted hiking through the Doan Brook Gorge and around Lower Shaker Lake. Because we held some hikes via Facebook live, we had hundreds of people attend virtually: June 21 & 25; October 10 & 24.

Comments:

DIY Rain Barrel Workshop	DBWP and Nature Center at Shaker Lake	Teach 10 people how to build rain barrels.	We all live in a watershed and our actions on the land directly affect the quality of our water.	Homeowners	13	Yes
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Summary of Results: June 30: To adhere to COVID guidelines, no more than 10 homeowners per workshop were taught how to build a rain barrel with materials provided by the DBWP.

July 7: Homeowners were taught how to build a rain barrel with materials provided by the DBWP.

Comments:

Stream Cleanup	CSWCD	At least one stream cleanup per year, with at least 10 participants.	We all live in a watershed and our actions on the land directly affect the quality of our water.	General public and users of the river/watershed resources ∫ fishing clubs, canoeists/kayakers, hikers, scouts and birders.	12	Yes
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Summary of Results: March 8, 2020

Acacia Stream Cleanup

Three residents from Cleveland participated in this event.

June 27, 2020

Greenwood Farm Work Day at the Park

One resident from Cleveland participated in this event.

October 24, 2020

Euclid Creek South Euclid Fall Cleanup

Three residents from Cleveland participated in this event.

Individual Acts of Conservation online challenge

Five residents from Cleveland participated by cleaning up trash around their house and neighborhood.

Comments:

**PUBLIC INVOLVEMENT AND PARTICIPATION**

*Summarize activities you plan to undertake during the next reporting cycle.*

BMP (mechanism)	Responsible Party	Measurable Goal	Theme or Message	Target Audience	Estimate of People to Participate	Proposed Schedule
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2021 Watershed Awareness Series	DBWP	Educated at least 0.5% of watershed residents on urban stormwater runoff and how it impacts local watersheds.	<p>We all live in a watershed and our actions on the land directly affect the quality of our water.</p> <p>Native plants and trees filter non-point source pollutants, decrease soil erosion, assist soil microbial life and promote biodiversity.</p> <p>Habitats other than lawn are preferable for healthy water quality.</p> <p>Every storm drain and small tributary flows to Lake Erie via Doan Brook and other local streams.</p> <p>Native plants and trees filter non-point source pollutants, decrease soil erosion, assist soil microbial life and promote biodiversity.</p> <p>Habitats other than lawn are preferable for healthy water quality.</p> <p>Every storm drain and small tributary flows to Lake Erie via Doan Brook and other local streams.</p>	Watershed residents	300	April 3 and April 17 - (Doan Brook Stream Sweeps); April 18 - (Dugway Brook Stream Sweep); May 20; January 30, February 20, March 20 and October 23; and June 5 and September 4.
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Summary of Planned Activities: Annual Stream Sweeps & Weed Pulls - Participants will help clean up winter's accumulation of plastic bags, bottles, cans and other trash in the Doan Brook's watershed corridor as it winds through Rockefeller Park and the Cultural Gardens on its way to Lake Erie and in the Dugway Brook watershed in Forest Hill Park.

DIY Rain Barrel Workshops - Participants will make their own rain barrel. The barrel, parts and tools will be supplied and construction methods will be taught.

Educational Hikes - Participants will hike in local watersheds learning about hydrology, history, geology and how surrounding urban landscapes impact water quality.

Storm Drain Stenciling Saturdays - Participants will learn how nutrients create algal blooms in our local waterways, how they cause dead-zones, and how they can be prevented.

Comments:

Stream Cleanup	CSWCD	At least on stream cleanup per year, with at least 10 participants.	Waste materials that are improperly managed or disposed of negatively impact water quality and aquatic ecosystems.  We all live in a watershed and our actions on the land directly affect the quality of our water.	General public and users of the river/watershed resources ∫ fishing clubs, canoeists/kayakers, hikers, scouts and birders.	10	2021.
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Summary of Planned Activities: At least one stream cleanup per year; with at least 10 participants.

Comments:

Rain Barrel Installation & Rain Barrel Art	CSWCD	At least one rain barrel workshop will be conducted in the community.	Small changes in lawn care, landscaping and soil health management practices can lead to local water quality improvements. Converting lawn areas to native trees, shrubs, rain gardens, wildflowers or prairie grasses improves soil health, increases rain water infiltration and reduces pollution from lawn runoff. Rain Barrels improve water quality by reducing stormwater runoff and therefore the delivery of pollutants to the storm sewer system.  We all live in a watershed and our actions on the land directly affect the quality of our water.	Homeowners	10	2021
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Summary of Planned Activities: At least one Rain Barrel Workshop will be conducted in the community, with at least 10 participants. Each participant will construct a rain barrel to install at his/her residence.

Comments:

Watershed-friendly Landscaping and Sustainable Land Management	CSWCD	At least 1 commercial or institutional property owner or 2 community residents will install rain gardens or other sustainable landscapes.	<p>Small changes in lawn care, landscaping and soil health management practices can lead to local water quality improvements. Converting lawn areas to native trees, shrubs, rain gardens, wildflowers or prairie grasses improves soil health, increases rain water infiltration and reduces pollution from lawn runoff. Rain Barrels improve water quality by reducing stormwater runoff and therefore the delivery of pollutants to the storm sewer system.</p> <p>We all live in a watershed and our actions on the land directly affect the quality of our water.</p>	Commercial/institutional properties; Homeowners	2	2021
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Summary of Planned Activities: At least 1 commercial or institutional property owner or 2 community residents will install rain gardens or other sustainable landscapes, including reduction of turfed areas.

Comments:

Tree Planting, Maintenance, Propagation, Pledges and Giveaways	CSWCD	Conduct at least one tree planting event	<p>Trees intercept and infiltrate rainwater before it can be converted to runoff. Properly planting and maintaining native trees reduces runoff and improves water quality.</p> <p>We all live in a watershed and our actions on the land directly affect the quality of our water.</p>	Residents, businesses, community organizations, churches, synagogues and other religious institutions. Especially those in riparian areas.	10	2021
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Summary of Planned Activities: Conduct at least one tree planting event, with at least 10 participants.

Comments:

Green Yards & Healthy Homes Workshop	CSWCD	Conduct at least one workshop, reaching at least 10 residents	<p>Small changes in lawn care, landscaping and soil health management practices can lead to local water quality improvements. Converting lawn areas to native trees, shrubs, rain gardens, wildflowers or prairie grasses improves soil health, increases rain water infiltration and reduces pollution from lawn runoff. Rain Barrels improve water quality by reducing stormwater runoff and therefore the delivery of pollutants to the storm sewer system.</p> <p>We all live in a watershed and our actions on the land directly affect the quality of our water.</p>	Residents; Parent Organizations, Garden Clubs	10	2021
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Summary of Planned Activities: Conduct at least one workshop, reaching at least 10 residents.

Comments:

Storm Drain Stenciling & Storm Drain Art	CSWCD	Conduct at least one stenciling event in the community.	<p>Waste materials that are improperly managed or disposed of negatively impact water quality and aquatic ecosystems.</p> <p>We all live in a watershed and our actions on the land directly affect the quality of our water.</p>	Students; Youth Clubs; Service Clubs	10	2021
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Summary of Planned Activities: Conduct at least one stenciling event in the community, reaching at least 10 residents.

Comments:

Stormwater Pledges	CSWCD	At least 10 citizens participate in a stormwater-related pledge to perform activities that benefit water quality.	Pledge themes include: Litter, Sensible Salting, Tree Planting and Maintenance, Pick up Dog Waste, Watershed Champion (sustainable landscaping).	Residents	10	2021
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Summary of Planned Activities: At least 10 citizens participate in a stormwater-related Pledge to perform activities that benefit water quality.

Comments:

Citizen Participation in Watershed Planning & Management	CSWCD	At least one citizen participates in water quality monitoring, and/or at least 5 citizens provide input on a watershed or stormwater management plan for the community/watershed, or serve on the board of a community-based watershed organization.	We all live in a watershed and our actions on the land directly affect the quality of our water.	Residents	5	2021
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Summary of Planned Activities: At least one citizen participates in water quality monitoring, and/or at least 5 citizens provide input on a watershed or stormwater management plan for the community/watershed.

Comments:

**ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDDE)**

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Cite Local Code(s) Being Used (If available, web link for code(s))	Effective
Ordinance or Other Regulatory Mechanism	Division of Water Pollution Control	Comply with local ordinance CCO Section 541	Yes	Codified Ordinance 541 <a href="http://caselaw.lp.findlaw.com/clevelandcodes/cco_part5_541.html">http://caselaw.lp.findlaw.com/clevelandcodes/cco_part5_541.html</a>	Yes

Summary of Results or Activities: Prohibits illicit discharges to stormwater infrastructure or to the environment and implements enforcement procedures as necessary.

Comments:

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Summary of Activities or Updates	Effective
Storm Sewer System Map	Division of Water Pollution Control	Map continuously being updated	Yes	Received GIS data points from Northeast Ohio Regional Sewer District (NEORS) identifying outfalls located downstream of a regulator on combined sewer overflows. These data points were then incorporated into WPC's comprehensive storm sewer system map. Also received GIS data points from Cuyahoga Soil and Water Conservation District identifying stormwater control measures located in the City of Cleveland. These data points were also incorporated into WPC's comprehensive storm sewer system map.	Yes

Comments:

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Summary of Activities or Updates	Effective
HSTS Mapping and List	Division of Water Pollution Control	Maps currently available	Yes	There are nine known septic tanks in the City of Cleveland of which one is located in a MS4.	Yes

Comments:



BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Summary of Activities or Updates	Effective
IDDE Plan	Division of Water Pollution Control	Complete investigation of suspected illicit discharges within 2 weeks of notification.	Yes	Due to the Coronavirus pandemic, dye tests to identify illicit discharges (2) were placed on hold and will resume Q1-2021.	Yes

Comments:

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Total # of Outfalls	# of Outfalls Screened	# of Dry-Weather Flows Identified	# of Identified Illicit Discharges	# of Eliminated Illicit Discharges	Effective
Dry-Weather Screening of Outfalls	Division of Water Pollution Control and Cuyahoga County Board of Health	Inspect all outfalls at least once during the permit period	No	34	0	0	0	13	Yes

Comments: Several of the illicit connections that were eliminated in 2019 were identified in previous years. All illicit discharges identified in 2019 were resolved in 2019.

Upload File Name for the Illicit Discharges: 2020 Illicit Discharge Investigations Log Not Investigated (COVID).pdf

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Summary of Planned Activities	Comments	Effective
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No records found

### ILLICIT DISCHARGE DETECTION & ELIMINATION (IDDE)

*Summarize activities you plan to undertake for the next reporting cycle.*

BMP (mechanism)	Responsible Party	Measurable Goal	Summary of Planned Activities	Proposed Schedule
Stormwater Management Program Manual	Division of Water Pollution Control	N/A	Revise Stormwater Management Program manual to reflect changes in new NDPES MS4 general permit.	Before end of year 2021.

Comments:

### CONSTRUCTION SITE RUNOFF CONTROL

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Cite Local Code(s) Being Used (If available, web link for code(s))	Effective
Ordinance or Other Regulatory Mechanism	City of Cleveland Department of Building & Housing (B & H)	Comply with local ordinance CCO Section 3116 (City Record, 7/15/09, p. 1391)	Yes	CC0 Sec. 3116 (City Record, 7/15/09, p. 1391.)	Yes

Summary of Results or Activities: City continues to use the existing ordinance.

Comments:

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Standards Being Used	Effective
Sediment and Erosion Control Requirements	City of Cleveland - Department of Building & Housing	Comply with OHC000005 permit requirements on all MS4 and CSO properties with > 1 acre of earth disturbance	Yes	OEPA Standards	Yes

Summary of Results or Activities: City continues to use the existing ordinance. (Effective since 7/8/2009)

Comments:						
BMP (mechanism)	Responsible Party	Measurable Goal	Completed	# of Applicable Sites Requiring Plans	# of Plans Reviewed	Effective
Complaint Process	City of Cleveland - Department of Building & Housing	Comply with local ordinance CCO Section 3116 (City Record, 7/15/09, p. 1391)	Yes	0	0	Yes

Summary of Results or Activities: No known complaints received related to erosion and sediment control implementation.

Comments:						
BMP (mechanism)	Responsible Party	Measurable Goal	Completed	# of Sites Requiring Plans	# of Plans Reviewed	Effective
Site Plan Review Procedures	B & H	Review all site plans with an > 1 Acre earth disturbed area for compliance with CCO Ch. 3116 & OHC000005	Yes	41	88	Yes

Summary of Results or Activities: Continued contract with Cuyahoga SWCD to perform SWP3 reviews on all public and private building construction sites for MS4 and CSO areas that disturb more than one acre in the City.

Comments:							
BMP (mechanism)	Responsible Party	Measurable Goal	Completed	# of Applicable Sites	# of Sites Inspected	Average Frequency	Effective
Site Inspection Procedures	B & H	Monthly inspections to ensure compliance with SWP3 on all site > 1 acre earth disturbance in accordance with CCO Ch. 3116 & OHC000005	Yes	130	768	5.9	Yes

Summary of Results or Activities: Continued contract with Cuyahoga SWCD to perform inspections on all public and private building construction sites for MS4 and CSO areas that disturb more than one acre in the City.

Comments:						
Upload File Name(s) for Applicable Sites: 2020 Active Construction Inspections.pdf						
BMP (mechanism)	Responsible Party	Measurable Goal	Completed	# of Violation Letters	# of Enforcement Actions	Effective
Enforcement Procedures	B & H	Ensure sites not in compliance with CCO Ch. 3116 & OHC000005 are brought up to code within specified timeline.	Yes	42	1	Yes

Summary of Results or Activities: Violation letters sent to permittee and follow-up inspections conducted. Sites in violation were brought up to code without having to resort to Housing Court

Comments: Broadway Storage (3GC10749\*AG)

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Measurements	Effective
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No records found

## CONSTRUCTION SITE RUNOFF CONTROL

Summarize activities you plan to undertake during the next reporting cycle.

BMP (mechanism)	Responsible Party	Measurable Goal	Summary of Planned Activities	Proposed Schedule
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Ordinance of Other Regulatory Mechanism	City of Cleveland - Department of Building & Housing	Continue to comply with local ordinance CCO Section 3116 (City Record, 7/15/09, p. 1391)	City will continue to use the existing ordinance for post-construction.	Through 2021
Comments: Through 2020				
Complaint Process	B & H	Provide system for public to report issues with stormwater related complaints.	Continue to utilize the Building & Housing Departments complaint intake procedures.	Through 2021
Comments:				
Sediment and Erosion Control Requirments	B & H	Continue to comply with local ordinance CCO Section 3116 (City Record, 7/15/09, p. 1391)	City will continue to use the existing ordinance.	Through 2021
Comments:				
Site Plan Review Procedures	B & H	Continue to review all site plans for public and private sites within MS4 and CSO areas that disturb more than one acre in the City.	Continue to contract with Cuyahoga SWCD to perform SWP3 reviews on all public and private building construction sites for MS4 and CSO areas that disturb more than one acre in the City.	Through 2021
Comments:				
Site Inspection Procedures	B & H	Continue to conduct monthly site inspections for public and private sites within MS4 and CSO areas that disturb more than one acre in the City.	Continue to contract with Cuyahoga SWCD to perform SWP3 inspections on all public and private building construction sites for MS4 and CSO areas that disturb more than one acre in the City.	Through 2021
Comments:				
Enforcement Procedures	B & H	Continue to comply with local ordinance CCO Section 3116 (City Record, 7/15/09, p. 1391)	City will continue to use the existing ordinance.	Through 2021
Comments:				

**POST-CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT**

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Cite Local Code(s) Being Used (If available, web link for code(s))	Effective
Ordinance or Other Regulatory Mechanism	City of Cleveland - Department of Building & Housing (B & H)	Comply with local ordinance CCO Section 3116 (City Record, 7/15/09, p. 1391)	Yes	CC0 Sec. 3116 (City Record, 7/15/09, p. 1391.); Ordinance No. 155-13	Yes

Summary of Results or Activities: City continues to use the existing ordinance for post-construction.

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Structural and/or Non-Structural Standards Being Used	Effective

Post-Construction Requirements	B & H	Comply with OHC000004 permit requirements on all MS4 and CSO properties that disturb more than 1 acre in the City.	Yes	OEPA Standards	Yes		
Summary of Results or Activities: City continues to use the existing ordinance for post-construction. (Effective since 7/8/2009)							
Comments:							
BMP (mechanism)	Responsible Party	Measurable Goal	Completed	# of Applicable Sites Requiring Plans	# of Plans Reviewed	Effective	
Site Plan Review Procedures	B & H	Review all site plans with Post Construction Requirements for MS4 and CSO areas that disturb more than one acre in the City.	Yes	25	67	Yes	
Summary of Results or Activities: Continued contract with Cuyahoga SWCD to perform SWPPP reviews on all public and private building construction sites for MS4 and CSO areas that disturb more than one acre in the City.							
Comments:							
BMP (mechanism)	Responsible Party	Measurable Goal	Completed	# of Applicable Sites	# of Inspections Performed	Average Frequency	Effective
Site Inspection Procedures	B & H	Inspect all sites after final stabilization for compliance with post construction requirements for the City.	Yes	178	178	1	Yes
Summary of Results or Activities: Continued contract with Cuyahoga SWCD to perform inspections of all post-construction stormwater control measures on all public and private building construction sites for MS4 and CSO areas that disturb more than one acre in the City.							
Comments:							
BMP (mechanism)	Responsible Party	Measurable Goal	Completed	# of Violation Letters	# of Enforcement Actions	Effective	
Enforcement Procedures	B & H	Track follow-up assistance and resulting maintenance to achieve compliance.	Yes	33	4	Yes	
Summary of Results or Activities: The City continued its contract with Cuyahoga SWCD to inspect stormwater control measures and provide follow-up assistance to landowners to achieve maintenance. Letters describing needed maintenance were sent to all landowners. Additionally, letters were sent to facility owners indicating that maintenance is unsatisfactory.							
Comments: Based on previous year metrics; facilities labeled as unsatisfactory demonstrated maintenance compliance							
BMP (mechanism)	Responsible Party	Measurable Goal	Completed	# of Sites Requiring Plans/Agreements	# of Plans Developed/Agreements in Place	Effective	
Long-Term O&M Plans/Agreements	B & H	Require long-term operation and maintenance plans to be submitted along with the SWPPP for MS4 and CSO areas that disturb more than one acre in the City.	Yes	25	25	Yes	
Summary of Results or Activities: While LTOM plans are required for all sites with post-construction stormwater controls, there is no formal maintenance agreement. The agreement is implied by the post-construction CCO Sec. 3116.10.							
Comments:							
BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Measurement 1	Measurement 2	Effective	
No records found							

**POST-CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT**

*Summarize activities you plan to undertake for the next reporting cycle.*

BMP (mechanism)	Responsible Party	Measurable Goal	Summary of Planned Activities	Proposed Schedule
Ordinance or Other Regulatory Mechanism	B & H	Continue to comply with local ordinance CCO Section 3116 (City Record, 7/15/09, p. 1391)	City will continue to use the existing ordinance for post-construction. Update ordinances and changes; get administrative approval; start legislative process.	Through 2021

Comments:

Site Inspection Procedures	B & H	Continue to inspect all sites after final stabilization for compliance with post construction requirements for the City.	Continue to contract with Cuyahoga SWCD to perform inspections of all post-construction stormwater control measures on all public and private building construction sites for MS4 and CSO areas that disturb more than one acre in the City.	Through 2021
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Comments:

Long-Term O & M Plans/Agreements	B & H	Amend CCO Sec 3116 to expressly require O&M Agreements.	Provide maintenance agreement to be signed with submittal of LTOM Plan/Manual.	By Q4: 2021
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Comments:

Enforcement Procedures	B & H	Continue to track follow-up assistance and resulting maintenance to achieve compliance. Issue cover letters with needed maintenance details and timelines on City letterhead.	Provide follow-up assistance and 2nd inspection to sites that are not functioning properly.	Through 2021
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Comments:

Post-Construction Requirements	B & H	Continue to comply with OHC000005 permit requirements on all MS4 and CSO properties that disturb more than 1 acre in the City.	Continue to use the existing ordinance for post-construction that references OEPA Permit OHC000003. (Effective since 7/8/2009)	Through 2021
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Comments:

Site Plan Review Procedures	B & H	Continue to review all site plans with Post Construction Requirements for MS4 and CSO areas that disturb more than one acre in the City.	Continue to contract with Cuyahoga SWCD to perform SWPPP reviews on all public and private building construction sites for MS4 and CSO areas that disturb more than one acre in the City.	Through 2021
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Comments:

**POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS**

BMP (mechanism)	Responsible Party	Measurable Goal	Completed	Topic(s)	Targeted Audience	# of Employees Attended	Effective
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Employee Training Program 1	City of Cleveland - Department of Public Works (PW) and Cleveland Fire	Conduct at least one training session per year to combined audience of municipal personnel who work at facilities in MS4 areas.	Yes	Best Management Practices ( BMPs), SWP3s, and Good housekeeping/spill prevention.	PW and Cleveland Division of Fire supervisory staff	30	Yes
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Summary of Activity: December 8, 2020 - Training course. Topics discussed: stormwater/NPDES permit/illicit discharges; effects of stormwater pollution, illicit discharge detection & elimination (IDDE) for municipal employees; potential pollution sources in municipal operations/best management practices.

Comments:

BMP (mechanism)	List of Municipal Facilities Subject to Program		O&M Procedures Developed?	# of Inspections Performed	Frequency of Inspections
Municipal Facilities	See attached list		Yes	1	Quarterly
BMP (mechanism)	Summarize Maintenance Activities and Schedules		Summarize Activities Performed		
MS4 Maintenance	Implement SWP3 program to reduce and/or prevent pollutant runoff from municipal operations (parks, open spaces, streets/roads, vehicle and equipment yards, waste transfer stations, etc.).		Each division performs annual trainings regarding the use of road salt, pesticides/herbicides, fertilizer, and waste management		
BMP (mechanism)	Procedures Developed?	Document Amounts of Wastes Properly Disposed			
Disposal of Wastes	Yes	266,793 tons			
BMP (mechanism)	Covered?	Tons Used	Summarize Measures Taken to Minimize Usage		
Road Salt	Yes	13752 Tons	Sensible salting measures were enacted during snow and ice events.		
BMP (mechanism)	Procedures Developed?	Gallons Used	Summarize Measures Taken to Minimize Usage		
Pesticide & Herbicide Usage	No	0 Gallons	N/A		
BMP (mechanism)	Procedures Developed?	Pounds Used	Summarize Measures Taken to Minimize Usage		
Fertilizer Usage	Yes	0 Pounds	None used		
BMP (mechanism)	Procedures Developed?	Document Amount of Material Collected and Properly Disposed			
Street Sweeping	Yes	3,476 tons			
BMP (mechanism)	Summarize Any New or Existing Flood Management Projects that were Assessed for Impacts on Water Quality				
Flood Management Projects	N/A				
BMP (mechanism)	Summary				

No records found

### POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

Summarize activities you plan to undertake for the next reporting cycle.

BMP (mechanism)	Responsible Party	Measurable Goal	Summary of Planned Activities	Proposed Schedule
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Road Salt	Division of Streets	Reduce the amount of road salt used by 8%.	Maintain and repair all salt domes. Implement smart salting practices during snow and ice events	Through Q4 2021
Comments:				
Street Sweeping	Division of Streets	All city streets swept a minimum of 3 times/year.	Perform street sweeping activities on a weekly basis.	Residential street sweeping program begin in April - December
Comments:				
Employee Training Program	City of Cleveland - Department of Public Works	Conduct at least one good housekeeping training for all supervisors in municipally owned/operated facilities located in MS4 areas.	Provide detailed training course on stormwater best management practices and pollution prevention/good housekeeping	At least one training session in 2021
Comments:				
SWP3 Development and Implementation	Water Pollution Control & Public Works	100% implementation by end of 2021.	Complete development and implementation of SWP3s at municipally owned/operated facilities in MS4 areas.	By Q4 2021
Comments:				
<b>PROPOSED CHANGES TO YOUR SWMP (IF ANY)</b>				
<i>Summarize any proposed changes to your SWMP, including changes to any BMPs or any identified measurable goals that apply to the program elements. If you fail to satisfy measurable goals for the reporting year, please explain why.</i>				
The SWMP will be modified to reflect changes in the new general permit once it has been adopted.				
<b>VARIANCES GRANTED (IF ANY)</b>				
<i>Identify and summarize any variances granted under your storm water program.</i>				
<b>ADDITIONAL INFORMATION</b>				
<i>Please add any additional comments or attachments below.</i>				
Additional Information attachment(s): <a href="#">2020 Notice of Deficiency.pdf</a> , <a href="#">2020 Summary - Cleveland.pdf</a> , <a href="#">Pollution Prevention &amp; Good Housekeeping Training.pdf</a> , <a href="#">2020 SWP3 Plan Reviews.pdf</a> , <a href="#">2020 Post-Construction LTOM Inspections.pdf</a>				