



# NPDES Small MS4 General Permit (OHQ000002) Annual Reporting Form

**Instructions for completing this form:**

- OHQ000002 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 1<sup>st</sup>.
- 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.
- Don't 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

Small MS4 Annual Report for Year: 2009		
Ohio EPA Facility Permit Number: 3GQ00088*BG		
Name of MS4: Geauga County and Others		
Primary Contact: Robert L. Phillips, PE, PS		Title: Geauga County Engineer
Mailing Address: 470 Center Street, Bldg. 4		
City: Chardon	Zip Code: 44024	County: Geauga
Telephone Number: 440-279-1800	Email Address: rphillips@co.geauga.oh.us	

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.

See Attached

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.

Print Name: \_\_\_\_\_

Print Title: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_



**PUBLIC EDUCATION & OUTREACH**

Estimate Your Permit Area's Total Population: 15,249

BMP (mechanism) & Responsible Party	Measurable Goal	Theme or Message	Target Audience	% of Target Audience Reached	Summary of Results	Effective (Yes or No)
Geographer - Newsletter Geauga SWCD	All residents in Phase 2 receive information	"NPDES Phase 2 and You" Corner Article <i>Greenscaping Your Lawn</i>	Residents	100%	Distributed to all households in Geauga County (>40,000) via the "Geauga Magazine"	Yes
News Releases Geauga SWCD	One article published in a local newspaper	Stormwater, Erosion and Sediment Control Requirements when building in Geauga County	Residents planning to build	<1%	News article on stormwater, erosion and sediment control plans printed in Maple Leaf and possibly other newspapers we did not see. Article sent to all newspapers in area.	Yes
Adult Education Programs Geauga SWCD, Geauga County Health District	Provide at least one General Education Program to the Phase 2 Communities	<i>Greenscaping Your Lawn</i> <i>Are you Water Well and septic Saavy?</i>	Residents	<1%	2 programs held Greenscaping – 38 Attendees Water Well/Septics – 61 Attendees	Yes
Educational Brochures Geauga SWD	10 Brochures on new topic distributed	BMP's for Septic Installation	Residents installing replacement septic systems	<1%	Brochure completed late 2009 – distributed by Health Dept to all residents installing replacement septic systems	Yes
Website Geauga SWCD	Minimum 500 hits total on webpage pertaining to Storm water, Non-point source pollution, Low Impact Development, Rain Barrels, Erosion and sediment Control etc.	What is Storm water and non-point source pollution and alternative storm water management practices, Best Management Practices?	Residents	10%	LID – 259 Hits Rain Barrels – 2558 Hits Education Prgms -2187 Hits Construction BMPs – 1072 hits NPDES – 130 Hits Publications – 573 Hits Rain Gardens – 77 Hits Riparian Setbacks – 49 Hits Stormwater – 463 Hits Watersheds – 71 Hits	Yes
Fair Display Geauga SWCD	Minimum 1000 people come through and view booth Present to Students within the NPDES Phase 2 Area	Greenscaping Riparian Area benefits	Residents 6 <sup>th</sup> Grade Students from Phase 2 Area	2-3% >80%	Over 12,000 people came through booth unsure of their residency location though. Presented program on riparian areas to over 400 students in the NPDES Phase 2 Area	Yes Yes
School Programs Geauga SWCD	Minimum of 25 programs to schools within the Phase 2 Area	Non-point source pollution prevention and protection of our environment	School children	20%	Over 100 programs reaching over 2300 children in just NPDES Phase 2 Communities	Yes



# SMALL MS4 ANNUAL REPORT FORM

State of Ohio Environmental Protection Agency

BMP (mechanism) & Responsible Party	Measurable Goal	Theme or Message	Target Audience	% of Target Audience Reached	Summary of Results	Effective (Yes or No)
Welcome Wagon Packets Geauga SWCD, Chester and Russell Township	Provide information packet about proper management of your septic, well and ways homeowners can prevent non-point source pollution	New resident outreach on nonpoint source pollution and prevention	New Homeowners	<1%	Packets given to all new homeowners in Russell and Chester Townships	Yes
Publications Geauga SWCD	Provide numerous publications on non-point source pollution and prevention, proper construction BMPs, and riparian setbacks	non-point source pollution and prevention, proper construction BMPs, and riparian setbacks	Residents	<1%	All township halls, SWCD office display and other miscellaneous displays stocked with current brochures and publications	Yes
Static Displays Chester and Bainbridge Township	Stormwater Displays Chester Town Hall: 7 steps to clean water Bainbridge Town Hall: Construction BMPs	7 Steps to Clean water Proper Construction BMPs	Residents	<1%	Displayed for all residents to see all year round	Yes

## 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	% of Target Audience to be Reached	Summary of Planned Activities	Proposed Schedule
Geographer - Newsletter	All residents in Phase 2 receive information	"NPDES Phase 2 and You" Corner Article	Residents	<5%	Due to budget cuts no longer can print and send so we will develop an e-mail list to forward the information	Complete in 2010
Geauga SWCD		"Geauga County's consolidated Stormwater Management Plan"				
News Releases	One article published in a local newspaper	"Geauga County's consolidated Stormwater Management Plan"	Residents	<1%	Work with newspaper to feature story twice a year from Newsletter	Complete in 2010
Geauga SWCD		"Streams their function and how to protect them"				
Adult Education Programs	Provide at least one General Education Program to the Phase 2 Communities	"Streams their function and how to protect them"	Residents	<1%	Educational Event featuring: <ul style="list-style-type: none"> <li>Stream monitoring</li> <li>Vernal Pools</li> <li>Fishing</li> <li>Watershed Health and NPS pollution Solutions</li> </ul>	Complete in 2010
Geauga SWCD						
School Programs	Minimum of 25 programs to schools within the Phase 2 Area	Non-point source pollution prevention and protection of our environment	School children	20%	Over 100 programs reaching over 2300 children in just NPDES Phase 2 Communities	Ongoing throughout reporting cycle
Geauga SWCD						
Fair Display	Minimum 1000 people come through and view booth	Stream functions and their protection	Residents	2-3%	Fair booth display showing stream functions and the benefits they provide and how to protect them	Complete in 2010
Geauga SWCD	Present to Students within the NPDES Phase 2 Area	Riparian Area benefits	Students from Phase 2 Area	>80%	Presented program on riparian areas to students from the NPDES Phase 2 Area	
Website	Minimum 500 hits total on webpage pertaining to Storm water, Non-point source pollution, Low Impact Development, Rain Barrels, Erosion and sediment Control etc.	What is Storm water and non-point source pollution and alternative storm water management practices, Best Management Practices?	Residents	<1%	Continue to update website with current information for the public	Ongoing throughout reporting cycle
Geauga SWCD						



BMP (mechanism) & Responsible Party	Measurable Goal	Theme or Message	Target Audience	% of Target Audience to be Reached	Summary of Planned Activities	Proposed Schedule
Welcome Wagon Packets	Provide information packet about proper management of your septic, well and ways homeowners can prevent non-point source pollution	New resident outreach on nonpoint source pollution and prevention	New Homeowners	Russell – 40 Packets Chester – 106 Packets	Packets given to all new homeowners in Russell and Chester Townships	Ongoing throughout reporting cycle
Geauga SWCD, Chester Township and Russell Township						
Publications	Provide numerous publications on non-point source pollution and prevention, proper construction BMPs, and riparian setbacks	Non-point source pollution and prevention, proper construction BMPs, and riparian setbacks	Residents	<1%	Continue to stock township halls, SWCD office display and other miscellaneous displays with current brochures and publications	Ongoing throughout reporting cycle
Geauga SWCD						
Static Displays	Storm Water Displays	From the Upper Reaches to lake Erie's Beaches: A Banner Year for Nonpoint Source Pollution Solutions	Residents	<1%	6 different topic displays	Ongoing throughout reporting cycle
Geauga SWCD						

**PUBLIC INVOLVEMENT/PARTICIPATION**

BMP (Activity) & Responsible Party	Measurable Goal	Theme or Message	Target Audience	Estimate of People Participated	Summary of Results	Effective (Yes or No)
Rain Barrel Yard Art Campaign Geauga SWCD	Rain Barrels decorated, advertised in local papers and purchased	Alternative Storm water management around your home using rain barrels	Residents	100%	Newspaper advertised all 12 barrels Bids received on all barrels All barrels sold	Yes
Stream Quality Monitoring Geauga SWCD	Involve at least 10 residents	Assessing the quality of our streams	Residents	15	Monitored 13 streams throughout the county with over 10 residents.	Yes
Household Hazardous Waste Collection Days Geauga County Engineer & Geauga-Trumbull Solid Waste District	Hold at least one Household Hazardous Waste Collection and Appliance Collection per year	Proper disposal of household hazardous wastes and appliances	Residents	100% reached unknown how many from each area	Two events held @ County Engineers Yard  <ul style="list-style-type: none"> <li>• Tire Collection &gt; 7600 Tires</li> <li>• Household Hazardous waste – 62 Tons – 87% recycled</li> <li>• Appliances – 5 tons</li> </ul>	Yes
Public Meetings Geauga County Engineer (Geauga County Stormwater Taskforce)	Meet at least 1 time per year to discuss current activities and next reporting cycle goals	Collaboration of various activities to meet Minimum Control Measures	Local Government Officials	15	2 meetings held throughout year	Yes
Storm water Survey follow-up Geauga SWCD	Residents read, fill-out and return survey	Assessing residents knowledge of storm water issues	Residents	100% Reached - <1% actually responded	Distributed to all households in Geauga County (>40,000) via the "Geauga Magazine" and follow-up press release to local newspapers 49 responses received	Yes – publication reached everyone
Rain Garden Installation Geauga SWCD	Install 11 rain gardens in by the end of 2010	Rain gardens as alternative storm water quality practices	Residents of Chagrin Watershed	<1% (3 of the 7 rain gardens installed were in the Phase 2 Urbanized Area)	7 rain gardens installed	Yes

**PUBLIC INVOLVEMENT/PARTICIPATION**

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

BMP (Activity) & Responsible Party	Measurable Goal	Theme or Message	Target Audience	Estimate of People to Participate	Summary of Planned Activities	Proposed Schedule
Adult Education Programs Geauga SWCD	Provide at least one Hands on Program to the Phase 2 Communities	<i>"Streams their function and how to protect them"</i>	Residents	<1%	Educational Event featuring: <ul style="list-style-type: none"> <li>Stream monitoring</li> <li>Vernal Pools</li> <li>Fishing</li> <li>Watershed Health and NPS pollution Solutions</li> </ul>	Complete in 2010
Teacher Education Programs Geauga SWCD	Host two education workshops showcasing the natural resources of the Lake Erie Basin and how to protect them	Promotion of storm water management, watershed health and NPS pollution solutions to area teachers and educators	Northeast Ohio Teachers	<1% Phase 2 Area - 25 teachers	Field trips, presentations and activities that will provide an in-depth look at the natural wonders and resources of the Lake Erie Watershed and how to protect it for long term sustainability	Complete in 2010
Rain Garden Installations Geauga SWCD	Install 4 rain gardens in 2010 (Final of a total of 15)	Rain gardens as alternative storm water quality practices	Residents of Chagrin Watershed	<1%	Rain gardens locations selected, planned, prepared and installed	Complete in 2010
Stream Quality Monitoring Geauga SWCD	To actively engage families located in the Phase 2 Urbanized Area in Stream Quality Monitoring	Assessing the quality of our streams	Residents	<1%	Monitor 12 different streams with MYC (Millennium Youth Conservationists) group	Ongoing throughout reporting cycle
Storm water Survey follow-up Geauga SWCD	Compile results	Residents knowledge of storm water issues	Residents	100% Reached - <1% actually responded	Report results of survey on website and in newspapers	Complete in 2010
Rain Barrel Yard Art Campaign Geauga SWCD	8 Rain Barrels decorated, advertised in local papers and purchased	Alternative Storm water management around your home using rain barrels	Residents	100%	Advertise barrels in newspaper Bids received on all All barrels sold	Complete in 2010
Gone Green Garden Tour Geauga SWCD	Hold a drive-it-yourself tour featuring rain gardens and environmentally friendly garden practices	Alternative storm water management around your home using unique landscaping and gardening practices	Residents	<1%	Four sites on tour featuring "green" gardening practices	Complete in 2010
Household Hazardous Waste Collection Days Geauga County Engineer & Geauga-Trumbull Solid Waste District	Hold at least one Household Hazardous Waste & Appliance Collection per year	Proper disposal of household hazardous wastes and appliances	Residents	100% Reached – those that need to attend	2 events held in the spring 4/17/2010 & 4/24/2010	Complete in 2010



**ILLCIT DISCHARGE DETECTION & ELIMINATION (IDDE)**

<b>BMP &amp; Responsible Party</b>	<b>Measurable Goal</b>	<b>Completed (Yes or No)</b>	<b>Cite Local Code(s) Being Used (If available, web link for code(s))</b>		<b>Summary of Results or Activities</b>		<b>Effective (Yes or No)</b>
Ordinance or Other Regulatory Mechanism	Utilize existing sewage regulations and procedures implemented by the Geauga County Health District	Yes	<a href="http://www.geaugacountyhealth.org/pdfs/GaugaCountySewageRegulations.pdf">http://www.geaugacountyhealth.org/pdfs/GaugaCountySewageRegulations.pdf</a>		All properties follow these regulations		Yes
Point of Sale/Nuisance complaints			ORC 3707.01				
<b>BMP &amp; Responsible Party</b>	<b>Measurable Goal</b>	<b>Completed (Yes or No)</b>	<b>Summary of Activities or Updates</b>				<b>Effective (Yes or No)</b>
Storm Sewer System Map	All Outfalls in MS4 area mapped and updated as necessary.	Yes	Nothing added this year				Yes
Geauga SWCD							
<b>BMP &amp; Responsible Party</b>	<b>Measurable Goal</b>	<b>Completed (Yes or No)</b>	<b>Summary of Activities or Updates</b>				<b>Effective (Yes or No)</b>
HSTS Mapping and List	Create a list and map of locations of all off-lot discharging systems currently on file	Yes	Database and map created of all off-lot discharging septic systems where paper files currently exist.				Yes
Geauga County Health District							
<b>BMP &amp; Responsible Party</b>	<b>Measurable Goal</b>	<b>Completed (Yes or No)</b>	<b>Summary of Activities or Updates</b>				<b>Effective (Yes or No)</b>
IDDE Plan	Identify agency to test dry weather outfalls	Partially	Health Department through its sewage rules and "Point of Sale" Inspection program ensure that all septs are evaluated and meet current standards before transfer or sale of home # of point of sale inspections = 34 Chester, 19 Russell, 35 Bainbridge # of homes installing a replacement HSTS system = 44 Chester, 29 Russell, 25 Bainbridge				Yes
Geauga County Health District	Determine process to implement plan						
<b>BMP &amp; Responsible Party</b>	<b>Measurable Goal</b>	<b>Completed (Yes or No)</b>	<b># of Outfalls Screened</b>	<b># of Dry-Weather Flows Identified</b>	<b># Of Illicit Discharges:</b>		<b>Effective (Yes or No)</b>
					<b>Identified*</b>	<b>Eliminated</b>	
Dry-Weather Screening of Outfalls <b>Total # of Outfalls 798</b>							
Bainbridge Township	Complete dry weather screening of outfalls	Yes	324	14	Unknown at this time	N/A at this time	Yes
Chester Township		Yes	319	44			
Russell Township		Yes	155	19			
Geauga County Engineer		Yes	Totals included in respective twp	Totals included in respective twp			

\*Include an attachment which provides schedules for elimination of illicit connections that have been identified but have yet to be eliminated.



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

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

BMP & Responsible Party	Measurable Goal	Summary of Planned Activities	Proposed Schedule
Ordinance or Other Regulatory Mechanism Geauga County Health Department	Utilize existing sewage regulations and procedures implemented by the Geauga County Health District including Point of Sale and Nuisance complaints	Continue to implement current Geauga County Household Sewage Regulations & Nuisance complaint procedure in ORC 3707.01	Ongoing throughout reporting cycle.
Storm Sewer System Map Geauga SWCD	Incorporate all Post Construction BMP's and storm sewer system (ditches) on map and continue to add new outfalls as necessary.	Begin mapping of Post-Construction BMPs and actual storm sewer system (Ditches) on map.	Completed by December 2013.
HSTS Mapping and List Geauga County Health District	Field check remaining off-lot systems within Phase 2 Urbanized Area	If illicit discharge is found through dry-weather screening or through a nuisance complaint process. Field work will be done to add the off-lot system to existing database and map.  Complete field work to map all off-lot HSTS within urbanized area where no information is available in paper files.	Complete by December 2013.  Complete by December 2018.
IDDE Plan Geauga County Health District and Geauga County Department of Water Resources	Test all reconfirmed dry-weather outfalls against OEPA standards, if standards not met turn over to Geauga County Health Department where investigation will follow the Nuisance Complaint Procedures.  Any other nuisance complaints that are received will be compared to dry-weather outfalls to assist in isolate problem areas.  Commit procedures to written document	Test all reconfirmed dry-weather outfalls against OEPA standards, if standards not met turn over to Geauga County Health Department where investigation will follow the Nuisance Complaint Procedures – ORC 3707.01  Track septic complaints and compare to dry weather flow outfalls to isolate problem areas and come up with solution to resolve.	Complete by December 2013.  Ongoing throughout reporting cycle.
Dry-Weather Screening of Outfalls Bainbridge Township Chester Township Russell Township Geauga County Engineer	Confirmation of all dry-weather outfalls that were found.	Reevaluate all dry-weather outfalls that were found to confirm they are dry-weather outfalls  Each township and County Engineer conduct dry-weather screening of outfalls where flows were identified and try to locate source.	Complete by December 2010  Complete by December 2013

**CONSTRUCTION SITE RUNOFF CONTROL**

BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Cite Local Code(s) Being Used (If available, web link for code(s))		Summary of Results or Activities	Effective (Yes or No)	
Ordinance or Other Regulatory Mechanism	Update existing "Geauga County Water Management and Sediment Control (WMSC) Regulations" as necessary	Yes	Geauga County Water Management and Sediment Control Regulation		Update completed and adopted in 2009 – incorporated new 2008 Ohio EPA Construction General Permit requirements	Yes	
Geauga SWCD			<a href="http://www.geaugaswcd.com/pdfs/2009%20Regulations.pdf">http://www.geaugaswcd.com/pdfs/2009%20Regulations.pdf</a>				
BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Standards Being Used		Summary of Results or Activities	Effective (Yes or No)	
Sediment and Erosion Control Requirements	County WMSC Regulations meet standards of the Ohio EPA Construction General Permit	Yes	Geauga County Water Management and Sediment Control Regulations – based on Ohio EPA General Construction Permit		Updated and adopted in 2009	Yes	
Geauga SWCD							
BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Complaints		Summary of Results or Activities	Effective (Yes or No)	
			Received	Followed-Up On			
Complaint Process	Method to Track Complaints	Yes	2 – Same Site	2	Created a process in USP database to track complaints and followed up on all complaints USP module completed in December 2009 so not used until 2010.	Yes	
Geauga SWCD							
BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	# of Applicable Sites Requiring Plans	# of Plans Reviewed	Summary of Results or Activities	Effective (Yes or No)	
Site Plan Review Procedures	All sites disturbing >1 acres or <1 acre and part of a larger common plan of development have approved WMSC Plan	Yes	76 sites within Phase 2 communities of Bainbridge, Russell, and Chester Twp  6 of the 76 sites are actually within the Phase 2 Urbanized Area (UA)	88 – plan reviews (some sites required multiple reviews)  8 plan reviews on the 6 sites within the Phase 2 UA	All required sites received a plan review prior to construction within the Phase 2 UA.	Yes	
Geauga SWCD							
BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Site Inspections Performed			Summary of Results or Activities	Effective (Yes or No)
			# of Applicable Sites	# Performed	Avg. Frequency		
Site Inspection Procedures	All sites inspected at least once a month	Yes	41 sites within Phase 2 Communities of Bainbridge Russell and Chester Twp  11 of those 41 sites are actually within the Phase 2 UA	329 inspections in Phase 2 communities of Bainbridge Russell and Chester Twp  83 of the 329 inspection were on the 11 sites within the Phase 2 UA	1x every 2 weeks	Sites are regularly inspected at least once every two weeks.	Yes
Geauga SWCD							



BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Violations		Summary of Results or Activities	Effective (Yes or No)
			# of Violation Letters	# of Enforcement Actions		
Enforcement Procedures	Utilize enforcement available within the WMSC Regulations	Yes	14 Violation instances within Phase 2 communities of Bainbridge, Russell and Chester Twp	No sites required legal action	Sites came into compliance with NOV letter or in some cases letters from the Prosecutor.	Yes
Geauga SWCD			5 of these 14 violations were actually within the Phase 2 UA			

\*Include an attachment which identifies applicable sites within your jurisdiction for this reporting period.



**CONSTRUCTION SITE RUNOFF CONTROL**

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

BMP & Responsible Party	Measurable Goal	Summary of Planned Activities	Proposed Schedule
Ordinance or Other Regulatory Mechanism	Continue to utilize "Geauga County Water Management and Sediment Control (WMSC) Regulations" and update as necessary to ensure minimum standards of Ohio EPA NPDES Permit OHC00003 are being met.	Continue to implement regulations for all proposed construction projects and review regulation for effectiveness	On-going throughout the reporting cycle
Geauga SWCD			
Sediment and Erosion Control Requirements	Continue to utilize "Geauga County Water Management and Sediment Control (WMSC) Regulations" and ensure standards meet Ohio EPA recommendations	Continue to implement regulations for all proposed construction projects and review regulation for effectiveness	On-going throughout the reporting cycle
Geauga SWCD			
Complaint Process	Record all complaints through new module in "Urban Site Tracking (USP) tracking program. Follow-up on all complaints within 5 working days.	Utilize tracking system to address all complaints	On-going throughout the reporting cycle
Geauga SWCD			
Site Plan Review Procedures	Review and approve 100% of all applicable sites through WMSC Regulations.	Review and approve 100% of all applicable sites through WMSC Regulations.	On-going throughout the reporting cycle
Geauga SWCD			
Site Inspection Procedures	All active sites inspected at least once a month during the construction phase.	All active sites inspected at least once a month during the construction phase.	On-going throughout the reporting cycle
Geauga SWCD			
Enforcement Procedures	Utilize enforcement procedures as outlined in WMSC Regulations to secure compliance as necessary.	Review procedures with Prosecutor and utilize as necessary to gain compliance where sites are in non-compliance.	On-going throughout the reporting cycle
Geauga SWCD			



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

BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Cite Local Code(s) Being Used (If available, web link for code(s))		Summary of Results or Activities	Effective (Yes or No)
Ordinance or Other Regulatory Mechanism	Update as necessary	Yes	<a href="http://www.geaugaswcd.com/pdfs/2009%20Regulations.pdf">Geauga County Water Management and Sediment Control Regulations, Amended 2009</a> <a href="http://www.geaugaswcd.com/pdfs/2009%20Regulations.pdf">http://www.geaugaswcd.com/pdfs/2009%20Regulations.pdf</a>		Update completed and adopted in 2009 – incorporated new Construction General Permit requirements	Yes
Geauga SWCD						
BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Structural and/or Non-Structural Standards Being Used		Summary of Results or Activities	Effective (Yes or No)
Post-Construction Requirements	Geauga SWCD - All sites disturbing 1 acre or more incorporate Post-Construction BMPs  All new subdivisions enter into Drainage Maintenance District with the County  Bainbridge and Russell Township – Riparian Setback Zoning Resolution	Yes	All options available in the Ohio EPA Construction General Permit are being utilized. Any alternatives must get prior approval from the Ohio EPA per WMSC Regulations.		All proposed construction sites incorporating structural and/or non-structural standards as required	Yes
Geauga SWCD			Geauga County Subdivision Regulations and Geauga County Subdivision Construction Regulations			
Geauga County Engineer & Geauga County Planning Commission			Non-Structural -- Riparian setbacks required on all new construction projects in these townships through their zoning codes.			
Bainbridge and Russell Township						
BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	# of Applicable Sites Requiring Post-Const. BMPs	# of Plans Reviewed	Summary of Results or Activities	Effective (Yes or No)
Site Plan Review Procedures	Geauga SWCD - All sites disturbing 1 acre or more incorporate Post-Construction BMPs	Yes	2	2	Only two proposed construction sites were located within the Phase 2 Urbanized Areas both were Commercial Development	Yes
Geauga SWCD						
BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Site Inspections Performed		Summary of Results or Activities	Effective (Yes or No)
			# Performed	Avg. Frequency		
Site Inspection Procedures	Upon completion of construction final site inspection conducted with requirement of submittal of "as-built"-  Long-term inspection conducted once every 3 years	Yes	2 site – 3 BMPs	Once – upon completion of construction	Final Inspection and As-built for construction received for 2 sites in Phase 2 Urbanized Area.	Yes
Geauga SWCD						



# SMALL MS4 ANNUAL REPORT FORM

State of Ohio Environmental Protection Agency

BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Violations		Summary of Results or Activities	Effective (Yes or No)
			# of Violation Letters	# of Enforcement Actions		
Enforcement Procedures	Utilize enforcement procedures within "Geauga County Water Management and Sediment Control Regulations"	Yes	0	0	Maintenance notices were sent out at the end of 2009. These were not actual violations at this time. If inspections show non-compliance in the spring an official Violation letter and possible enforcement action would take place.	Yes
Geauga SWCD						
BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	# of Sites Requiring Plans/Agreements	# of Plans Developed/Agreements in Place	Summary of Results or Activities	Effective (Yes or No)
Long-Term O&M Plans/Agreements	Inspection & Maintenance Agreements filed in Recorders office and copy in Geauga SWCD for all applicable sites	Yes	10 sites - 11 BMPs	10	All sites within the Phase 2 Urbanized Areas where construction is completed have agreements signed, notarized and recorded in the Geauga County recorders office.	Yes
Geauga SWCD						
Geauga County Engineer	Drainage Maintenance District required for all subdivisions	Yes	0	0	No subdivision have been proposed within the NPDES Phase 2 Urbanized Areas	

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

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

BMP & Responsible Party	Measurable Goal	Summary of Planned Activities	Proposed Schedule
Ordinance or Other Regulatory Mechanism	Current adopted "Geauga County Water Management and Sediment Control Regulations" will be annually reviewed and updates made as necessary to keep compliant with Ohio EPA NPDES Permit OHC00003.	As projects are proposed and submitted to the County the "Regulations" will continue to be utilized.	On-going throughout the reporting cycle.
Geauga SWCD			
Post-Construction Requirements	Current adopted "Geauga County Water Management and Sediment Control Regulations" will be annually reviewed and updates made as necessary to keep compliant with Ohio EPA NPDES Permit OHC00003. Incorporate current Drainage Maintenance District Requirements and pursue ability to bring old subdivisions in and incorporating its mandatory use for non-subdivision projects  Alternative non-structural post-construction requirements will be pursued at township zoning level.	As projects are proposed and submitted to the County the "Regulations" will continue to be utilized.  Review parking codes and research alternative parking codes that can be enforceable on the long-term through township zoning.	On-going throughout the reporting cycle.  Completed by December 2013.
Geauga SWCD, Geauga County Engineer, Geauga County Planning Commission			
Bainbridge, Chester and Russell Townships			
Site Plan Review Procedures	Review all proposed construction sites that meet applicability within the "Geauga County Water Management and Sediment Control Regulations"	Review and determine compliance for all applicable proposed construction projects.	On-going throughout the reporting cycle.
Geauga SWCD			
Site Inspection Procedures	Perform final inspection and obtain "as-built" on all construction sites with applicable post-construction storm water management.  Inspect all Post-Construction Storm water management BMPs at least once per year that were built after April 2003 within the Urbanized Phase 2 Areas	All "as-builts" obtained before issuing final inspection approval and recorded and scanned in USP database.  Inspect all applicable sites once per year. Record within USP database.	On-going throughout the reporting cycle.
Geauga SWCD			
Enforcement Procedures	Utilize enforcement procedures as stated in "Geauga County Water Management and Sediment Control Regulations"	Implement enforcement procedures if voluntary compliance cannot be achieved.	On-going throughout the reporting cycle.
Geauga SWCD			



Long-Term O&M Plans/Agreements			
Geauga SWCD	Obtain recorded copy of maintenance agreements for completed projects and scan and enter into USP database.	Obtain recorded copy of maintenance agreements for completed projects and scan and enter into USP database.	On-going throughout the reporting cycle.
Geauga SWCD and Geauga County Engineer	Look into Drainage Maintenance District requirement for private projects rather than private Inspection & Maintenance Agreements with private owners.	Have either a process in place to require all private projects to enter into a Drainage Maintenance District either with Geauga SWCD or County or a reason why it cannot be done.	Complete by December 2013.
Geauga County Engineer	Continue to Utilize existing Drainage Maintenance District for Subdivisions	As Subdivisions are proposed require Drainage Maintenance District as outlined Subdivision Regulations	On-going throughout the reporting cycle.





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

BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Topic(s)	Targeted Audience	# of Employees Attended	Summary of Activity	Effective (Yes or No)
Employee Training Program	Gea Cty – none	Gea Cty – N/A	Gea Cty – N/A	Gea Cty – N/A	Gea Cty – N/A	Gea Cty – N/A	Gea Cty – N/A
Road Superintendent for Geauga County, Bainbridge Twp, Chester Twp and Russell Twp	Bainbridge Twp – none	Bainbridge Twp – N/A	Bainbridge Twp – N/A	Bainbridge Twp – N/A	Bainbridge Twp – N/A	Bainbridge Twp – N/A	Bainbridge Twp – N/A
	Chester Twp – refresher training for road dept.	Chester Twp – Yes	Spill response, BMPs, good housekeeping street sweeping, etc.	Chester Twp – Road Dept Employees	Chester Twp – 9	Chester Twp – Reviewed CD from Cuyahoga SWCD	Chester Twp – Yes
	Russell Twp – none	Russell Twp – N/A	Russell Twp – N/A	Russell Twp – N/A	Russell Twp – N/A	Russell Twp – N/A	Russell Twp – N/A
<b>List of Municipal Facilities Subject to Program</b>					<b>O&amp;M Procedures Developed for Facilities (Yes or No)</b>	<b># of Facility Inspections Performed</b>	<b>Frequencies of Such Inspections</b>
Geauga County – None					Gea Cty – N/A	Gea Cty – N/A	Gea Cty – N/A
Bainbridge Twp – Road Department					Bainbridge Twp – No	Bainbridge Twp – 0	Bainbridge Twp – No
Chester Twp – Road Department, Town Hall, Police Station, Fire Station					Chester Twp – No	Chester Twp – 1 (Road Dept)	Chester Twp – Annually
Russell Twp – Road Department, Fire Station, Police Department, and Maintenance Department					Russell Twp – No	Russell Twp – 1 (Road Dept)	Russell Twp – Monthly
<b>MS4 Maintenance</b>	<b>Summarize Maintenance Activities and Schedules</b>			<b>Summarize Activities Performed</b>			
	Gea Cty – Regular ditching as needed to remove sediments followed by seed/mulch and matting as needed			Geauga County - ditches as needed and reseed bare areas			
	Bainbridge Twp – Regular ditching as needed to remove sediments followed by seed/mulch and matting as needed			Bainbridge Twp - clean ditches as needed and reseed bare areas			
	Chester Twp – Regular ditching as needed to remove sediments followed by seed/mulch and matting as needed			Chester Twp – reditch 100 miles of roadside ditches, reseeded bare ditches, swept 40% of all twp roadways, reshape 4 miles of roadside shoulders, inspected all road pipes and catch basins and document.			
	Russell Twp – Regular ditching as needed to remove sediments followed by seed/mulch and matting as needed			Russell Twp – clean ditches as needed and reseed bare areas			
<b>Disposal of Wastes</b>	<b>Procedures Developed (Yes or No)</b>		<b>Document Amounts of Wastes Properly Disposed</b>				
	Gea Cty – No		Geauga County – N/A for facilities, unknown for MS4 Maintenance				
	Bainbridge Twp – No		Bainbridge Twp – 8 cy dumpster which handles non-hazardous household waste.				
	Chester Twp – No		Chester Twp – 250 gallons of used oil removed by Advanced Auto Clinic, 100 gallons of used parts cleaner and brake parts cleaner removed by Kwik Kleen				
	Russell Twp – No		Russell Twp – Monthly report of water/oil separator trap				
<b>Road Salt</b>	<b>Covered (Yes or No)</b>		<b>Tons Used</b>	<b>Summarize Measures Taken to Minimize Usage</b>			



	<p>Geauga County – N/A</p> <p>Bainbridge Twp – Yes</p> <p>Chester Twp – Yes</p> <p>Russell Twp – Yes</p>	<p>Geauga Cty - 550</p> <p>Bainbridge Twp - 4000</p> <p>Chester Twp – 1200</p> <p>Russell Twp – 450</p>	<p>Geauga County – 1:2 salt and cinder mix.</p> <p>Bainbridge Twp – 50/50 salt and cinder mix</p> <p>Chester Twp – Mix salt with 50% ice grit and a liquid called Ice Bite that decreases the need for reapplications</p> <p>Russell Twp – 50/50 salt and cinder mix</p>
	<b>Procedures Developed (Yes or No)</b>	<b>Gallons Used</b>	<b>Summarize Measures Taken to Minimize Usage</b>
<b>Pesticide &amp; Herbicide Usage</b>	<p>Geauga County – Yes</p> <p>Bainbridge Twp – Yes</p> <p>Chester Twp – No</p> <p>Russell Twp – Yes</p>	<p>Geauga Cty – unknown</p> <p>Bainbridge Twp – 0</p> <p>Chester Twp – 252</p> <p>Russell Twp – On file with maintenance dept</p>	<p>Geauga County – Licensed applicators only apply. Only when absolutely necessary (under guardrails and to retard woody vegetation regrowth)</p> <p>Bainbridge Twp – None used in 2009</p> <p>Chester Twp - Contracted with TruGreen Companies to spray township owned ornamental gardens and flower beds.</p> <p>Russell Twp – twp contracts to landscape firms and requires must be licensed to bid on grounds maintenance.</p>
	<b>Procedures Developed (Yes or No)</b>	<b>Pounds Used</b>	<b>Summarize Measures Taken to Minimize Usage</b>
<b>Fertilizer Usage</b>	<p>Geauga County – only major construction projects</p> <p>Bainbridge Twp – No</p> <p>Chester Twp – No</p> <p>Russell Twp – No</p>	<p>Geauga Cty - none</p> <p>Bainbridge Twp - none</p> <p>Chester Twp - none</p> <p>Russell Twp – Available on invoices</p>	<p>Geauga County - Follow standard specifications in Rainwater and Land Development Manual as needed for construction projects</p> <p>Bainbridge Twp – No fertilizer usage</p> <p>Chester Twp – No fertilizer usage</p> <p>Russell Twp – Review usage by Maintenance Superintendent and Trustees</p>
	<b>Procedures Developed (Yes or No)</b>	<b>Document Amount of Material Collected and Properly Disposed</b>	
<b>Street Sweeping</b>	<p>Geauga County – CB cleaning</p> <p>Bainbridge Twp – No</p> <p>Chester Twp – No</p> <p>Russell Twp – No</p>	<p>Geauga County – unknown amount – brought to County materials yard.</p> <p>Bainbridge Twp – no sweeping</p> <p>Chester Twp – 40% roads swept (40 tons of debris), mostly small stone and cinders from snow &amp; ice removal operations. Material dumped in salt dome and reintroduced into existing salt mixture for future use.</p> <p>Russell Twp – Uses a broom hog to sweep</p>	
<b>Flood Management Projects</b>	<b>Summarize any New or Existing Flood Management Projects that were Assessed for Impacts on Water Quality</b>		
	None		



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

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

BMP & Responsible Party	Measurable Goal	Summary of Planned Activities	Proposed Schedule
Employee Training Program Road Superintendants for Geauga County, Bainbridge, Chester and Russell Townships	All employees of government facilities subject to program trained on good housekeeping measures	Utilize CD Training Program	CD Training completed 12/31/2010
List of Facilities Subject to Program Gauga County Engineer and Gauga SWCD will coordinate to assist ,Bainbridge Twp, Chester Twp & Russell Twp Road Superintendents	SWP3 and O & M plan completed for all facilities subject to program	Develop universal SWP3 and O&M plan template for all communities to utilize	Complete plans by 12/31/2010
MS4 Maintenance Gauga County Engineer, Bainbridge Twp, Chester Twp & Russell Twp Road Superintendents	Uniform policy across all entities for proper ditching, restabilization methods and ditch waste disposal	Policy developed and all personnel trained and utilizing	Complete by 12/31/2010
Disposal of Wastes Gauga County Engineer, Bainbridge Twp, Chester Twp & Russell Twp Road Superintendents	Uniform policy across all entities for proper ditch waste disposal, and facilities hazardous waste maintenance and disposal	Policy developed and all personnel trained and utilizing	Complete by 12/31/ 2010
Road Salt Gauga County Engineer, Bainbridge Twp, Chester Twp & Russell Twp Road Superintendents	Uniform policy across all entities for proper salt usage, tracking and minimization	Policy developed and all personnel trained and utilizing	Complete by 12/31/ 2010
Pesticide & Herbicide Usage Gauga County Engineer, Bainbridge Twp, Chester Twp & Russell Twp Road Superintendents	Uniform policy across all entities for proper pesticide & herbicide usage and its minimization. Also requirements for 3 <sup>rd</sup> party to be attached to contracts.	Policy developed and all personnel trained and utilizing	Complete by 12/31/ 2010
Fertilizer Usage Gauga County Engineer, Bainbridge Twp, Chester Twp & Russell Twp Road Superintendents	Uniform policy across all entities for proper fertilizer usage and its minimization. Also requirements for 3 <sup>rd</sup> party to be attached to contracts.	Policy developed and all personnel trained and utilizing	Complete by 12/31/ 2010
Street Sweeping Gauga County Engineer, Bainbridge Twp, Chester Twp & Russell Twp Road Superintendents	Uniform policy across all entities for street sweeping procedures including proper disposal policies and reporting.	Policy developed and all personnel trained and utilizing	Complete by 12/31/ 2010



# SMALL MS4 ANNUAL REPORT FORM

State of Ohio Environmental Protection Agency

Flood Management Projects	If any projects proposed ensure they meet Ohio EPA Water quality standards.	Evaluate to ensure standards are met.	Ongoing
Geauga County Engineer and Geauga SWCD			

### PROPOSED CHANGES TO YOUR SWMP (IF ANY)

- 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.

The individual permits and plans for the Phase 2 townships have been consolidated with the new Geauga County permit. Activities listed in next reporting cycle in this annual report will be utilized by the entire County in lieu of the individual plans that were created.

### VARIANCES GRANTED (IF ANY)

- Identify and summarize any variances granted under your storm water program.