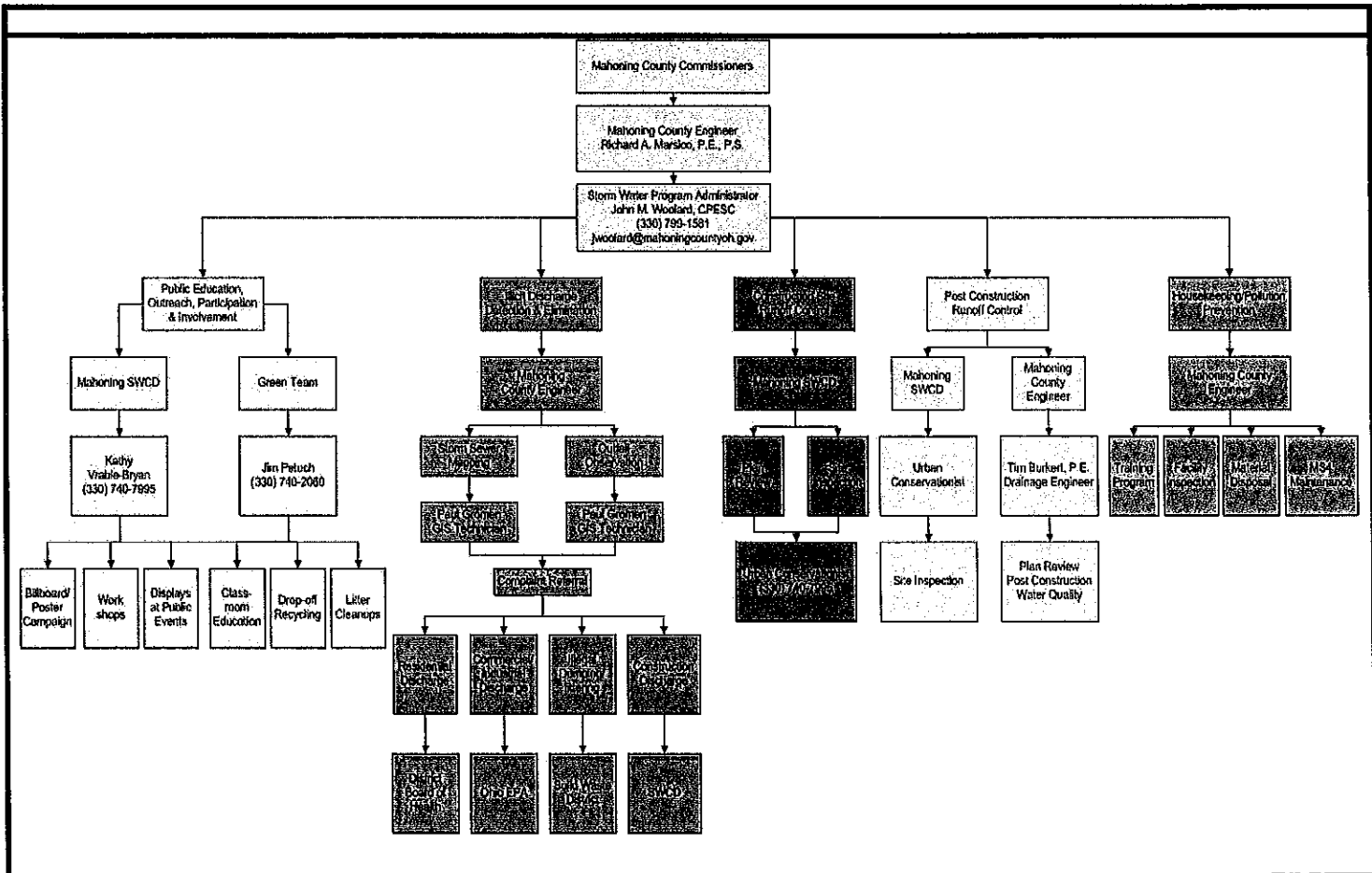




State of Ohio Environmental Protection Agency

NPDES Small MS4 General Permit (OHQ000002) Annual Reporting Form

Small MS4 Annual Report for Year: 2008		
Ohio EPA Facility Permit Number: 3GQ00093*AG		
Name of MS4: Mahoning County and Others		
Primary Contact: John M. Woolard		Title: Environmental Administrator
Mailing Address: 940 Bears Den Rd.		
City: Youngstown	Zip Code: 44511	County: Mahoning
Telephone Number: (330) 799-1581	Email Address: jwoolard@mahoningcountyoh.gov	



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: JOHN WOOLARD
 Print Title: ENVIRONMENTAL ADMINISTRATOR
 Signature: John Woolard

Date: 4/2/09

ANNUAL REPORT FORM

State of Ohio Environmental Protection Agency

This report details the efforts of Mahoning County in cooperation with eight (8) co-permitted MS4's. In March of 2003 the Mahoning County Commissioners with Mahoning County Engineers (MCE) as their administrative agent with regard to Phase II of the Ohio EPA Storm Water Program, submitted a Storm Water Management Plan addressing the six minimum control measures as outlined in the Ohio EPA NPDES Permit No. OHQ000001 for Storm Water Discharge from small MS4's.

The Mahoning County Storm Water Management Program (MCSWMP) has been drafted as a regional approach to storm water management. The implementation of the (MCSWMP) is based on interagency cooperation to provide County compliance and leadership assistance to co-permittees who rely on other government agencies for the majority of the BMP's involved.

In August of 2006, the Mahoning County Engineer's Office, in an effort to improve compliance, regional communication and provide more consistent focus to the implementation of the MCSWMP, hired a full-time staff member to oversee the program. This effort has centralized the initiatives of the program and led to increased regional participation. The participation is largely a function of exercising interagency Memorandums of Understanding (MOU's) established between the Board of Mahoning County Commissioners and co-permittees at the start of the permit term and each year thereafter. The MOU's outline the exchange of services between units of County government for implementation of the Storm Water Management Program as cooperators and service providers. To maximize the agreements, representatives from each agency have been selected to participate on more focused subcommittees. Subcommittees have been established to oversee each of the six control measures.

On February 2, 2007, the Board of Mahoning County Commissioners, by recommendation of the Mahoning County Engineers Office, adopted legislation to abate soil erosion and sediment from earth disturbing construction projects of one (1) acre or more. The legislation referred to as the "Mahoning County Erosion and Sediment Control Rules" is effective as of March 3, 2007 and will be an addition to the Mahoning County Drainage and Erosion and Sedimentation Control Manual. The Rules meet the requirements of minimum control measure # 4 and include a riparian setback from 25'-125' dependant upon the contributing drainage area for all regulated sites. The Mahoning County Engineers Office, by subsequent resolution of the Board of County Commissioners, has been named administrator of the Rules. In addition, the Mahoning County Engineers Office has prepared model zoning legislation requiring an erosion and sediment control plan for 1 acre disturbances, approved by the Mahoning County Soil and Water Conservation District, prior to the issuance of a zoning certificate. Also, the Mahoning County Building Department has added SWP3 requirements to the application checklist for a building permit.

The storm sewer outfall inventory protocol was finalized and outfall mapping has been completed as detailed in the 2007 annual report. The county-owned outfalls were completed first followed by metro-park and township outfalls. A Microsoft Access database was created allowing for download of field-collected G.P.S. data. The data has been added to the Mahoning County GIS system for easy access to all potential users. All county-owned outfalls have been monitored for dry-weather flows. A total of six (6) dry-weather flows have been detected and screened. The suspect outfalls were referred to the Board of Health via nuisance complaints and results of those investigations recorded.

The Mahoning County District Board of Health has initiated G.P.S. mapping of all on-lot and off-lot septic systems within the Urbanized Area of the County. The data is maintained and continually updated in a Microsoft Access database maintained by the District Board of Health and captured data is currently accessible on the Mahoning County G.I.S. system. The data was compiled for the 2007 annual report and presented in a single map and list of addresses of all known off-lot.

In addition to the riparian setback requirements of the Mahoning County Erosion and Sediment Control Rules, stand-alone Riparian Setback Ordinances have been adopted in Austintown Township, Beaver Township, Boardman Township, Coitsville Township, Poland Township and Canfield Township.

ANNUAL REPORT FORM

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A Pollution Prevention/Good Housekeeping Workshop was held in February of 2007 for the County and all Co-permitted road and street department and maintenance personnel. Program information was presented and several protocols were discussed including, material storage and inventory, facilities inspection, spill response, proper disposal and outfall observation. In addition, a pollution prevention/good housekeeping guidance document or SWPPP has been created for all regional members in the MCSWMP. The document is to serve as a module for current employees to guide their municipal operations and as a training and review document for new employees. Included in the SWPPP is a self-inspection form for use by each MS4 performing annual site inspections of their facilities. A facility inspection was performed at each MS4 road department maintenance facility and grounds in March of 2009. Findings and recommendations of those inspections were presented to each MS4. An individual training session was held as part of the inspection process.

The table below shows the number of square miles encompassed by each of the co-permittees MS4 regulated areas and associated watershed location. This table continues to be included for payment of the Annual Discharge Fee. While rural portions of the County are not served by sewers, the majority of the regulated area is sewered.

SWMP Co-Permitted Entities	Area (miles ²)	Major Watersheds
Austintown Township	19.7	Mahoning River
Beaver Township	1.1	Mahoning River
Boardman Township	22.5	Mahoning River
Canfield Township	7.36	Mahoning River
Coitsville Township	0.12	Mahoning River
Poland Township	1.3	Mahoning River, Little Beaver Creek
Springfield Township	6.8	Mahoning River, Little Beaver Creek
Mill Creek Metro Park	4.06	Mahoning River
Total Estimated Regulated Area	62.94	

The storm water drainage system for Mahoning County and the Townships is a combination of ditches that run parallel to County and Township roads, and a limited number of closed pipe systems. The majority of the closed pipe systems are located in subdivisions. Mahoning County and the regulated portions of the Townships are assessing options regarding the inventory public/private detention or retention basins. All facilities that have post construction BMP's installed will be included in the inventory and annual inspections of those facilities will be documented.

Mahoning County's Storm Water Management Plan and Drainage Manual continue to form the foundation of the County's storm water drainage and water quality programs. The SWMP acts to unify a wide variety of County programs, such as training, operations and maintenance and construction, under a common focus on water quality issues. The water quality benefits of our BMPs are supported by research or common sense approaches to reducing storm water pollution within the framework of the County's organization and mission.



State of Ohio Environmental Protection Agency

SMALL MS4 ANNUAL REPORT FORM

PUBLIC INVOLVEMENT / PUBLIC EDUCATION (PIPE)

Estimated Permit Area Population: 97,450

BMP (mechanism) & Responsible Party	Measurable Goal	Theme or Message	Target Audience	% of Target Audience Reached	Summary of Results	Effective (Yes or No)
Storm Water Committee (County and MS4 Specific)	Meet annually to review Storm Water Program Progress.	Program status report and update on new MS4 Permit and webcast opportunities.	All County agencies relevant to the SWMP, Township Trustees and road department staff	100%	Attended by Board of Health, SWCD, Sanitary Engineer's, Green Team, County Engineer's, Planning Commission and Building Department. *County agency meeting held on 2/22/08 *Township meetings held annually in January	Yes
County Commissioners via County Engineer's Office as Program Administrator. Township and Park Designee and Staff.	Updates provided at annual township meetings held at County Engineer's Office					
Public Involvement	Public Hearings for Draft SWMP and County ESC Regulations held on behalf of the County Commissioners. Commissioner Resolutions Adopting the SWMP and ESC Regulations.	Open, Public Meetings with a Message Relevant to the Agenda Item or Public Hearing. Presentations were Given and Public Comment Solicited.	General public, business community, public and elected officials.	100%	Public Hearings held adopting SWMP (3/03) and ESC Rules (2/07). Annual township trustee and Metropark meetings for MOU renewal.	Yes
Storm Water Committee	Trustee MOU Resolutions of Participation in the SWMP, MOU's for Interagency Cooperation for Program implementation	Resolution as required for MOU's at trustee, commissioner and agency meetings.			Open meetings for updates and MOU renewal in county agencies with Boards (Commissioners, BOH and SWCD).	
Newsletters	3 SWCD- Educational Newsletter	Proper Household Hazardous Waste (HHW) Disposal	Homeowners/business	-SWCD/Green Team Newsletter reached 100% of all households w/in Phase II communities	Website	Yes
Soil and Water Green Team Sanitary Engineer's Office	1 Engineers- Annual Road Review (New) 4 Green Team- Education Newsletter 2 Sanitary Engineers- Pipeline	Erosion and Sediment Control (E&SC)	3 SWCD/Green Team Newsletters to 94,400 residences each mailing 1 Engineer's Office "Annual Road Review" to Commissioners with a Phase II Program update 2 Sanitary Engineer's Pipeline publication			



SMALL MS4 ANNUAL REPORT FORM

BMP (mechanism) & Responsible Party	Measurable Goal	Theme or Message	Target Audience	Summary of Results	Summary of Planned Activities	Proposed Schedule
Stormwater Education Programs, Envirothons, Workshops, Billboard Campaign	SWCD-# of events held, Billboards (traffic counts) Board of Health- Workshops and HSTS pumping reminders Green Team- # of education opportunities held	Household Hazardous Waste, Recycling, Automobile Maintenance, HSTS and adults as to the potential for point source and non-point source pollution carried through storm water. Board of Health continuing education workshops for installers, pumpers, designers and authorized representatives. Pumping reminders to HSTS owner/operators (687).	Homeowners, students, businesses	SWCD-698 Students 78 Adults; GW Model-165 Adults & 170 students Posters-55 posters in township and public locations (10,000+) www.mahoningwcd.org Billboards-4 locations, 1,000,000+ general public based on traffic counts and display duration. Water Cycle Book Cvr- 113 given out Rain garden Wksp-3/09 104 letters mailed out to schools informing schools of the SWCD education program 18 KSU college students ESC workshop 641-Green Team Presentations with 21,841 participants	Continue SWCD classroom education and workshops Continue Board of Health workshops and pumping reminders Continue Green Team classroom education and workshops	Annual
Education Subcommittee SWCD Green Team Board of Health						
Website	Mahoning County Communicator Website-Stormwater management centralized on County Engineer's website with links to other agency sites for specific information	Construction Program, Household Hazardous Waste, Recycling Centers and Collection Dates. HSTS Maintenance and nuisance complaint forms. Watershed meetings and public involvement opportunities.	Homeowners, Businesses, Construction Community, Political Leaders.	SWCD Website-6000 hits Green Team-2,480 hits Mahoning County Communicator-unable to track hits www.mahoningcountyoh.gov (links provided from Engineer's)	Continued updates on County websites for HHW Disposal opportunities, recycling centers (Green Team), Construction E&SC & Rainwater Manual (SWCD), HSTS & nuisance complaints (Board of Health) and watershed meetings (AWARE).	Ongoing
Education Subcommittee SWCD Website County Engineer's Website Green Team Website Board of Health Website AWARE Website						
Community Activities	County Fair Displays, Annual Litter Cleanup Day, AWARE Meetings and Volunteer opportunities, Community Recycling and Household Hazardous Waste Collection Events	-E&SC Program (SWCD) -Watershed Ed. (AWARE) -HHW & Recycling (Green Team) -Outfall Mapping (Engineer's) -Community Recycling (Green Team) -Riparian Setbacks (Engineer's)	Community leaders, contractors, developers, and land owners	County Fair Displays-350,000 people Radio talk shows -200,000 people (SWCD) Green Team Television ads-638 AWARE Mtgs. -8 Public Area Clean-ups (Green Team)-39 Earth Day Clean-up (Mill Ck)-4/19 Drop off recycling is available to 100% of the target audience	Continued annual fair displays, litter cleanups, AWARE Meetings, recycling and HHW collection events	Annual
Education Subcommittee AWARE YSU Green Team Mill Creek Metroparks SWCD						



State of Ohio Environmental Protection Agency

SMALL MS4 ANNUAL REPORT FORM

BMP (mechanism) & Responsible Party	Measurable Goal	Theme or Message	Target Audience	Summary of Results	Summary of Results	Effective (Yes or No)
Brochures, Flyers, Factsheets and Handouts	# of media distributed	-E&SC -HSTS -Watershed Education -HHW	-Contractors and developers -HSTS owners/operators -General public	-E&SC (500) -HSTS (667) -Watershed Education (>500) -HHW (>500)	Continued distribution of media at public events	Ongoing
Education Subcommittee SWCD Board of Health						

ILLICIT DISCHARGE DETECTION & ELIMINATION (IDDE)

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 Illicit Discharge Subcommittee	Due to a lack of statutory authority, adoption of an ordinance or regulatory mechanism has been replaced by the development of protocol and procedure based on existing authority in the O.A.C. and O.R.C.	Yes	Construction discharges-ORC 307.79 and ORC 6111 Residential discharges-ORC 3745, 3701.352 and OAC 3701.29 Commercial discharges-ORC 4104.41, 4104.43 and OPC Chap. 6 Industrial discharges-ORC 3745, 6111 Littering discharges-ORC 3757 Open dumping/ Solid waste-ORC 3734 and OAC 3745 Spills-ORC 3745, 6111	Developed the Mahoning County SWMP Illicit Discharge Detection and Elimination Protocol which is a flow chart detailing the legal authority for responding to a variety of discharges. Board of Health Nuisance Complaints: Austintown~17 Beaver~4 Boardman~5 Canfield~2 Coitsville~0 Poland~8 Springfield~1	Yes
BMP & Responsible Party Storm Sewer Outfall Map Illicit Discharge Subcommittee	Completion of map detailing the location of all publicly owned MS4 discharge outfalls. Posting of the information on the County GIS System.	Yes		Mapping of all publicly-owned outfalls was completed in the fall of 2007. The County Engineers office purchased the equipment required to complete the mapping and the service was offered to all co-permittees. A Microsoft Access database based on the format created by the Cuyahoga County Health Department and Northeastern Ohio Regional Sewer District outfall database was used for the records of outfalls in Mahoning County. A total of 1,358 outfalls were mapped in the UA. The distribution is as follows: Austintown 240, Beaver 16, Boardman 306, Canfield 85, Coitsville 5, Mill Creek 240, Poland 102, Springfield 9 and Mahoning County 355. All data is posted on the County GIS website at: http://gis.mahoningcountyoh.gov/	Yes



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SMALL MS4 ANNUAL REPORT FORM

BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Summary of Activities or Updates	Effective (Yes or No)									
HSTS Mapping and List Illicit Discharge Subcommittee	Completion of map and list by address of all HSTS connected to the MS4. Posting of this information on the County GIS System.	Yes	An active participant in the Illicit Discharge Subcommittee, the District Board of Health has field located nearly 700 discharging HSTS and over 100 on-lot HSTS by GPS. The office maintains a Microsoft Access database of all mapped HSTS's and has incorporated the information into the Mahoning County GIS System. The District Board of Health has continued mapping beyond the designated Urbanized Area with a goal of completing the entire County over time. The Illicit Discharge Subcommittee has finalized a map and list of discharging systems within the UA. At this time, there are parcels containing unknown systems. The many of the 33,535 parcels in the UA are currently sewered. The Mahoning County GIS was utilized to eliminate all parcels with a sanitary sewer permit, vacant lot, improvement value less than \$10,000, monuments, cemeteries and other parcels. The result is an Urbanized Area containing 285 on-lot systems, 137 known discharging, offlot HSTS's (10 with NPDES Permits) and 2,950 unknown's. The data will be continually updated over the next permit term until it is finalized.	Yes									
BMP & Responsible Party IDDE Plan Illicit Discharge Subcommittee	Development of protocols and procedures for the identification and subsequent elimination of illicit discharges to the MS4	Yes	Summary of Activities or Updates Each MS4 has received a packet of information containing a map of their MS4 outfalls, data sheets to utilize when performing visual observations, an illicit discharge detection an elimination guidance manual published by the New England Interstate Pollution Control Commission, Board of Health Nuisance Complaint Forms, training regarding dry-weather screening and the use of the Mahoning County IDDE Protocol.	Yes									
BMP & Responsible Party Dry-Weather Screening of Outfalls Total # of Outfalls 1,358 Austintown-240 Beaver-16 Boardman-306 Canfield-85 Coitsville-5 Mill Creek-240 Poland-102 Springfield-9 County-355	Visual observation of all MS4 outfalls. Screening performed following a minimum dry-weather period of 72 hours. Written records of those observations.	Yes/No Not done in Boardman or Poland Township.	<table border="1"> <thead> <tr> <th># of Outfalls Screened</th> <th># of Dry-Weather Flows Identified</th> <th># Of Illicit Discharges:</th> </tr> <tr> <td></td> <td></td> <td>Identified* Eliminated</td> </tr> </thead> <tbody> <tr> <td>County-355 Austintown-240 Beaver-16 Boardman-0 Canfield-85 Poland-0 Springfield-9 Mill Creek-240</td> <td>County-6</td> <td>0</td> </tr> </tbody> </table>	# of Outfalls Screened	# of Dry-Weather Flows Identified	# Of Illicit Discharges:			Identified* Eliminated	County-355 Austintown-240 Beaver-16 Boardman-0 Canfield-85 Poland-0 Springfield-9 Mill Creek-240	County-6	0	Yes
# of Outfalls Screened	# of Dry-Weather Flows Identified	# Of Illicit Discharges:											
		Identified* Eliminated											
County-355 Austintown-240 Beaver-16 Boardman-0 Canfield-85 Poland-0 Springfield-9 Mill Creek-240	County-6	0											

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



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SMALL MS4 ANNUAL REPORT FORM

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	Adoption of additional regulations as the statutory authority becomes available for county and township governments.	Support the creation of statutory authority for county and township governments related to this MCM.	By the end of the next five year permit term if the statutory authority exists.
Illicit Discharge Subcommittee	Mapping of the entire storm sewer system including catch basins, ditches, pipes, and public and private storm water facilities over the next five year permit term.	Mapping of the entire county owned MS4 as a preliminary step followed by a proposal to each co-permitted MS4 for fee-based mapping of each of their respective systems by county staff.	Complete task by the end of the next five year permit term.
Storm Sewer System Map	Completion of map and list by address of all HSTS connected to the MS4. Posting of this information on the County GIS System.	Continue updating the Board of Health records of the 2,950 unknown parcels within the 2000 Census designated Urbanized Area until they are finalized. Continued GPS locating of discharging Systems by the Board of Health.	Annually as data becomes available with a goal of completing the HSTS map and list by the end of the next permit term.
Illicit Discharge Subcommittee and Individual MS4	Continuation of protocols and procedures for the identification and subsequent elimination of illicit discharges to the MS4. Require NPDES Permit Coverage for replacement discharging systems.	Ensure that all replacement discharging systems obtain NPDES general permit coverage.	On-going Throughout the Permit Term.
HSTS Mapping and List	Dry-weather screening of all MS4 outfalls at least once throughout the next 5 year permit term. Written records of those observations.	Ensure that all MS4 Outfalls are observed in the next permit term. Consider prioritizing the monitoring of suspect outfalls (those with evidence of staining, color, odor) on a more recurring basis.	Throughout the next permit term. To be completed by the end of the term.
Illicit Discharge Subcommittee	All Individual MS4's		



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SMALL MS4 ANNUAL REPORT FORM

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 Engineer's Office	Adoption of County Erosion and Sediment Control Regulations	Yes	O.R.C 307.79	Regulations Adopted February of 2007 by Board of Commissioners. County Engineer's Office named administrator of the Regulations by resolution. MOU with between Engineer's Office and SWCD for plan review and inspection program.	Yes
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 Engineer's Office Local MS4 Zoning Code	Regulations must be as stringent or more stringent than the OEPA Construction General Permit	Yes	Ohio EPA Construction General Permit Requirements	Mahoning County ESC Regulation Meet or exceed the requirements of original Construction General Permit OHC000002	Yes
BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Complaints	Summary of Results or Activities	Effective (Yes or No)
Complaint Process SWCD Engineer's Office	Respond To public complaints regarding construction site E&SC	Yes	Received 2 Followed-Up On 2	On-site Meetings were held and corrective action was taken.	Yes
BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	# of Applicable Sites Requiring Plans	Summary of Results or Activities	Effective (Yes or No)
Site Plan Review Procedures SWCD Engineer's Office	Review of proposed construction activities for compliance with the County ESC Regulations, OEPA CGP, 401 and 404 Requirements.	Yes	27	All Applicable Plans disturbing over one acre or less than one acre but part of a larger common plan of development are reviewed for compliance with the OEPA Construction General Permit and Mahoning County ESC Rules. In addition, two (2) plans less than one (1) acre were reviewed.	Yes
BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Site Inspections Performed	Summary of Results or Activities	Effective (Yes or No)
Site Inspection Procedures SWCD Engineer's Office	Inspection of active sites for compliance with the county ESC Regulations. Inspection performed a minimum of one time per month and more frequently as needed.	Yes	# of Applicable Sites 51 # Performed 506 Avg. Frequency At Least Monthly	All active construction projects with NPDES permit coverage or regulated under the Mahoning County ESC Rules are inspected at least monthly. Detailed reports of those inspections are filed by the SWCD.	Yes



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SMALL MS4 ANNUAL REPORT FORM

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 SWCD Engineer's Office	Follow the enforcement procedure outlined by O.R.C 307.79 and the "Mahoning County ESC SWPPP Review Procedure and Enforcement Escalation Plan"	Yes	3	None	Problem sites receiving NOV's rectified site deficiencies before further enforcement actions were taken.	Yes

*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	Consider proposed amendments to the Mahoning County ESC Rules for compliance with the OEPA CGP OHC000003 in the next two years.	Review potential amendments with Construction Subcommittee. Amendments include increasing the sediment settling pond size and drain time, post-construction, concentrated discharges to wetlands and maintenance agreements prior to termination of coverage.	Within two years
Commissioners Engineer's Office Construction Subcommittee			
Sediment and Erosion Control Requirements	Regulations must be as stringent or More stringent than the current OEPA Construction General Permit	Review potential amendments with Construction Subcommittee. Amendments include increasing the sediment settling pond size and drain time, Post-construction, concentrated discharges to wetlands and maintenance agreements prior to termination of coverage.	Within two years
Engineer's Office SWCD Construction Subcommittee			
Complaint Process	Respond to public complaints regarding Construction Site E&SC	Continue complaint response and document corrective actions taken.	Ongoing
SWCD Engineer's Office			
Site Plan Review Procedures	Review of proposed construction activities for compliance with the County ESC Regulations, OEPA CGP, 401 and 404 requirements	All applicable plans disturbing over one acre or less than one acre but part of a larger common plan of development will continue to be reviewed for compliance with the OEPA Construction General Permit and Mahoning County ESC Rules.	Ongoing
SWCD Engineer's Office			



Site Inspection Procedures	Inspection of active sites for compliance with the County ESC Regulations. Inspection performed a minimum of one time per month and more frequently as needed.	All Active construction projects requiring NPDES Permit Coverage or regulated under the Mahoning County ESC Rules will be inspected at least monthly. More frequent inspection will be performed on sites involved in enforcement escalation activity. Detailed reports of those inspections will continue to be filed by the SWCD.	Ongoing
SWCD Engineer's Office			
Enforcement Procedures	Follow the enforcement procedure outlined by O.R.C 307.79 and the "Mahoning County ESC SWPPP Review Procedure and Enforcement Escalation Plan" for sites that do not comply with federal, state and local requirements.	Continue following the "Mahoning County ESC SWPPP Review Procedure and Enforcement Escalation Plan" and O.R.C 307.79 for the issuances of NOV's on noncompliant construction projects.	Ongoing
SWCD Engineer's Office			

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 Engineer's Office	Drainage Criteria Manual Adopted by the Board of County Commissioners	Yes	Drainage Criteria Manual referenced in local zoning codes. Review for compliance with the County Drainage Criteria is part of the local zoning codes. Drainage Manual also references ESC Regulations and compliance with the OEPA CGP.	Reviewed all applicable construction projects in the county for compliance with the County Drainage Criteria Manual, County ESC Regulations and OEPA CGP.	Yes
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 Engineer's Office	Detail post-construction BMP's and OEPA Construction General Permit as requirements in County Drainage Criteria Manual and ESC Regulations	Yes	Bioretention, water quality basins (extended wet & dry detention basins), vegetated swales, filter strips, infiltration trenches, constructed wetlands. Riparian setbacks, wetland setbacks.	Post-construction BMP's are being reviewed and implemented on all relevant construction projects. Zoned Phase II communities have adopted riparian setbacks. The County ESC Regulations contain a riparian and wetland setback.	Yes
BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	# of Applicable Sites Requiring Post-Const. BMPs	# of Plans Reviewed	Effective (Yes or No)
Site Plan Review Procedures Engineer's Office SWCD	Review of construction plans for compliance with the County Drainage Criteria and OEPA Construction General Permit post-construction requirements. ensure long-term maintenance plans are included.	Yes	27	34 total, 15 water quality ponds 1 bioretention 11 other	All relevant Sites requiring post-construction BMP's were reviewed. Yes



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SMALL MS4 ANNUAL REPORT FORM

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 SWCD	On-site inspection of all active sites for post-construction BMP compliance.	Yes	506	Minimum of monthly	Post-construction BMP's are inspected by the SWCD as part of the overall site inspection program. The inspection ensures that the BMP is installed properly as detailed in the SWPPP.	Yes
BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Violations		Summary of Results or Activities	Effective (Yes or No)
Enforcement Procedures Engineer's Office SWCD	Issue written notices and request on-site meetings for site owner/developer on sites with deficient post-construction BMP's.	Yes	# of Violation Letters	# of Enforcement Actions	One (1) on-site meeting was held for a poorly maintained post-construction BMP. One (1) written notice was provided for a post-construction BMP installed in conflict with the site plan specification.	Yes
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 SWCD Engineer's Office	Ensure that all SWPPP's requiring a post-construction BMP have included a long-term O&M Plan	Yes	15	15	All site plans requiring long-term O&M plans have provided language in the plan detailing the responsible party and maintenance schedule	Yes

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 Engineer's Office	Drainage Criteria Manual Referenced in Local Zoning Codes. Review for Compliance with the County Drainage Criteria is Part of the Local Zoning Codes. Drainage Manual Also References ESC Regulations and Compliance with the OEPA CGP.	Update the County Drainage Criteria Manual and local MS4 zoning code as necessary.	Review annually



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SMALL MS4 ANNUAL REPORT FORM

<p>Post-Construction Requirements</p>	<p>Detail Post-Construction BMP's and OEPA Construction General Permit in Requirements in County Drainage Criteria Manual and ESC Regulations.</p>	<p>Continue to refer engineers and site plan developers to the specifications provided in the Mahoning County Drainage Criteria Manual, Ohio Rainwater and Land Development Manual and OEPA post-construction Q & A Document.</p>	<p>Ongoing</p>
<p>Engineer's Office</p>			
<p>Site Plan Review Procedures</p>	<p>Review of Construction Plans for Compliance with the County Drainage Criteria and OEPA Construction General Permit Post Construction Requirements. Ensure Long-Term Maintenance Plans are Included as part of the SWPPP.</p>	<p>Continued review of construction plans for compliance with the County Drainage Criteria and OEPA Construction General Permit post-construction requirements. Ensure long-term maintenance plans are included as part of the SWPPP.</p>	<p>Ongoing</p>
<p>SWCD Engineer's Office</p>			
<p>Site Inspection Procedures</p>	<p>On-site inspection of all inventoried sites (as required by the new MS4 Permit) that were required to provide post-construction BMP's.</p>	<p>Continued inspection of all active sites for post-construction BMP compliance. In addition, annual inspections of all post-construction BMP's will be performed as those facilities are mapped as required by the new MS4 permit. Those inspections must ensure that the post-construction BMP long term maintenance plan is being followed. Detailed reports of those inspections will be provided by the inspector to the site owner.</p>	<p>Inspection will be conducted on all active sites. In addition, as those facilities are mapped as required by the new MS4 permit, they will be included in an annual inspection program.</p>
<p>SWCD</p>			
<p>Enforcement Procedures</p>	<p>Issue written notices and request on-site meetings for site owner/developer on sites with deficient post-construction BMP's.</p>	<p>Conduct on-site meetings and provide written notices of deficiencies.</p>	<p>Ongoing</p>
<p>Engineer's Office SWCD</p>			
<p>Long-Term O&M Plans/Agreements</p>	<p>Ensure that all SWPPP's requiring a post-construction BMP have included a long-term O&M Plan</p>	<p>Ensure that all site plans requiring long-term O&M plans have provided language in the plan detailing the responsible party and maintenance schedule</p>	<p>Ongoing</p>
<p>SWCD Engineer's Office</p>			



State of Ohio Environmental Protection Agency

SMALL MS4 ANNUAL REPORT FORM

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	Annual Training and update provided by the good housekeeping subcommittee as a "train the trainer" program.	Yes	-Street Sweeping Disposal -Catch Basin Disposal -Fluid Disposal -Outfall Monitoring & IDDE -Spill Response -Facility Inspections -Material Storage	Road and Street Department Personnel.	Approximately 18	On-site inspections were conducted at each MS4 maintenance facility. The inspection included a pollution prevention discussion targeting facility road and street department staff.	Yes
Good Housekeeping Subcommittee and Individual MS4	Individual MS4 required to train individual employees						
List of Municipal Facilities Subject to Program							
Mahoning County Engineer's and Sanitary Engineer's Maintenance Facility Austintown Township Road Department Facility Beaver Township Road Department Facility Boardman Township Road Department Facility Canfield Township Road Department Facility Coitsville Township Road Department Facility Poland Township Road Department Facility Springfield Township Road Department Facility Mill Creek Metroparks Maintenance Facility							
Summarize Maintenance Activities and Schedules							
Maintenance activities include fleet maintenance, street sweeping, catch basin cleaning, ditch maintenance, salt storage and application. Maintenance activities are performed annually or ongoing.							
Summarize Activities Performed							
Fleet Maintenance-Mahoning County, Mill Creek, Austintown, Boardman, Canfield and Poland Street Sweeping-Mahoning County, Mill Creek, Austintown, Beaver, Boardman, Canfield, Poland and Springfield Catch Basin Cleaning/Inspection-Mahoning County, Austintown, Boardman, Poland Ditch Maintenance-All MS4's perform annual inspection/maintenance Salt Storage-All MS4's have storage under roof except Beaver (currently tarped, storage shed to be completed in 2009)							
Procedures Developed (Yes or No)							
Mahoning County-Yes Austintown-Yes Beaver-Yes Boardman-Yes Canfield-Yes Coitsville-Yes Poland-Yes Springfield-Yes Mill Creek-Yes							
Document Amounts of Wastes Properly Disposed							
Documented amounts are available upon request. All MS4's have received training in proper disposal practices primarily those associated with fleet maintenance, street sweeping, catch basin cleaning and ditch maintenance.							
Disposal of Wastes							
Not all MS4's perform their own maintenance. Beaver, Coitsville and Springfield outsource fleet maintenance. Austintown utilizes used oil and other auto fluids in an onsite oil burner and have a pick-up service for used filters. Mahoning County, Boardman Poland and Mill Creek contract a commercial pick-up service for used fluids and filters.							
All MS4's have covered dumpsters onsite for general solid waste disposal and recycling facilities are available at township and metropark facilities. In addition, the County furnishes a tire dumpster in cooperation with the Green Team available for all MS4's.							
O&M Procedures Developed for Facilities (Yes or No)							
Yes SWPPP's (Pollution Prevention/Good Housekeeping Program Document) have been developed for each listed MS4 facility							
# of Facility Inspections Performed							
9							
Frequencies of Such Inspections							
Annual							



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	Covered (Yes or No)	Tons Used	Summarize Measures Taken to Minimize Usage
Road Salt	Mahoning County-Yes Austintown-Yes Beaver-Yes Boardman-Yes Canfield-Yes Coitsville-Yes Poland-Yes Springfield-Yes Mill Creek-Yes	County-4,990 Other amounts available upon request	Salt minimization is practiced to the maximum extent practical without jeopardizing public safety. Typically salt minimization is achieved by mixing salt with grits at a minimum 80/20 to 50/50 ratio.
Street Sweeping	Procedures Developed (Yes or No) Mahoning County-Yes Austintown-Yes Beaver-NA (contracted) Boardman-Yes Canfield-NA (contracted) Coitsville-NA Poland-Yes Springfield-NA (contracted) Mill Creek-Yes	Amounts are available upon request. Not all MS4's perform their own street sweeping. Those that contract the service include Beaver, Canfield, Springfield and Mill Creek. The material is required to be tested and screened for use as fill. Beaver and Springfield require disposal as part of the commercial contract. Mahoning County, Austintown, Boardman and Poland operated their own street sweeping program and landfill the waste. Coitsville has no curbed streets and does not street sweep.	Document Amount of Material Collected and Properly Disposed Those that contract the service include Beaver, Canfield, Springfield and Mill Creek. The material is required to be tested and screened for use as fill. Beaver and Springfield require disposal as part of the commercial contract. Mahoning County, Austintown, Boardman and Poland operated their own street sweeping program and landfill the waste. Coitsville has no curbed streets and does not street sweep.

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	Development of a pollution prevention/good housekeeping guidance document outlining pollution reduction/elimination methods at maintenance facilities.	Continue the "train the trainer" program. Individual MS4 required to train individual employees	Annual
Good Housekeeping Subcommittee and Individual MS4	Annual training and update for pollution prevention/good housekeeping.		
List of Facilities Subject to Program Mahoning County Engineers and Sanitary Engineer's Maintenance Facility Austintown Township Road Department Facility Beaver Township Road Department Facility Boardman Township Road Department Facility Canfield Township Road Department Facility Coitsville Township Road Department Facility Poland Township Road Department Facility Springfield Township Road Department Facility Mill Creek Metroparks Maintenance Facility	Development of a SWPPP (good housekeeping/pollution prevention guidance document) for facilities subject to the MS4 permit	Continue to improve O&M at each facility	Ongoing



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MS4 Maintenance	Amount of material generated from street sweeping, catch basin cleaning	Fleet maintenance, street sweeping, catch basin cleaning, ditch maintenance, salt storage and application.	Annual or ongoing
Individual MS4 Operator	Salt storage under roof		
Disposal of Wastes	Quantified ditch maintenance amounts		
Individual MS4 Operator	Documentation of disposal practices	Continue documentation efforts for fluid disposal, street sweeping, etc.	Ongoing
Road Salt	Amount of specific waste material disposed of		
Individual MS4 Operator	Salt minimization to the maximum extent practical	Continue practicing salt minimization to the maximum extent practical by mixing material	Ongoing
Street Sweeping	Document amount of salt applied annually		
Individual MS4 Operator	Disposal as solid waste or material tested and screened for use as fill	Continued street sweeping and tracking of material disposal amounts	Ongoing
	Amount disposed		