State of Ohio Environmental Protection Agency

NPDES Small MS4 General Permit (OHQ000002) Annual Reporting Form

Small MS4 Annual Report for Year: **2014**		
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**	

See Attached Figures:

Figure 1: Mahoning County Table of Organization
Figure 2: Township and MetroPark Table of Organization
Figure 3: Active Construction Site List 2014
Figure 4: Illicit Discharge Detection and Elimination Table
Figure 5: IDDE Protocol
Figure 6: Community Recycling and Education

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: ENV. ADMIN.

Signature: [signature]

Date: 3/31/15

Overview

This report details the Phase II compliance efforts of Mahoning County in cooperation with eight (8) co-permitted MS4's. In March of 2003, the Mahoning County Commissioners with the Mahoning County Engineers Office (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. OHQ000002 for Storm Water Discharge from small MS4's. The 2003 Mahoning County Storm Water Management Program (MCSWMP) was drafted as a regional approach to storm water management. The implementation (of the MCSWMP) is based on interagency cooperation providing County compliance and leadership assistance to co-permittees who rely on other government agencies for the majority of the BMP's involved. The plan has evolved over the course of the first and now second permit term. Changes to the plan have been detailed in past annual reports provided to Ohio EPA.

Memorandums of Understanding

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) and inter-governmental MOU's established between the Board of Mahoning County Commissioners and co-permittees for the duration of the permit term. 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 service agency have been selected to participate on more focused subcommittees. Subcommittees have been established to oversee each of the six control measures. AWARE (Alliance for Watershed Action and Resource Education), the local ad-hoc watershed group has been instrumental in establishing educational initiatives. The AWARE education and outreach committee meets regularly to discuss activities, grants and public involvement opportunities to further storm water awareness in the county.

MCM #1 & #2 Public Education and Public Involvement

The 2010 Stormwater Program theme promoted watershed education. In 2010, the Mahoning County Engineer's Office in cooperation with AWARE, Mill Creek MetroParks and Mahoning SWCD obtained a OEEF grant for a "Sign-our-Streams" (SOS) Program. The grant provided funding for stream and watershed signage at 44 stream crossings within the Mill Creek Watershed. In addition, a watershed brochure was developed and a survey conducted to gauge the knowledge of watershed residents. The program was later adopted by Meander Water who funded 37 additional stream crossings within the Meander watershed. The signage program was coupled with coverage in area news media. The theme continued at the Canfield fair which offers the greatest exposure to Mahoning County residents. Both AWARE and Mahoning SWCD promoted stream signage, watershed information, raingardens and rainbarrels at their respective Canfield fair displays. The AWARE booth included a watershed survey in which participants registered to win a free rainbarrel. Over 100 individuals participated and a resident was randomly awarded the gift courtesy of AWARE. The watershed theme coincided with several public meetings soliciting input for the draft Yellow Creek and Meander Creek Watershed Action Plan's. 2011 built on the existing watershed momentum and included the development of both the Meander Creek and Yellow Creek Watershed Action Plans. The development of theses plans included soliciting of information from stakeholders in the respective watersheds at several public meetings. In addition, AWARE spearheaded an annual Watershed Festival for Mahoning County residents in beginning in October of 2011. The Festivals include numerous displays and activities for the general public including amongst other topics; the Phase II Illicit Discharge Program by the Mahoning County

Engineer's Office, rainbarrel construction by the Soil and Water Conservation District, source water protection by the Mahoning Valley Sanitary District, septic system maintenance by the Board of Health and recycling/ household hazardous waste disposal by the Mahoning County Green Team. Finally, Mill Creek MetroParks continued their annual Earth Day Cleanup each April at the Metropolitan Park District.

MCM #3 Illicit Discharge Detection and Elimination

The storm sewer outfall inventory protocol was finalized and outfall mapping was completed as required by the first generation MS4 permit and 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 eight (9) 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 Engineer's office has completed G.I.S. mapping of the entire county MS4 conveyance system as required by the current NPDES Permit #OHQ000002. The mapping includes digitization of all catch basins, ditches, pipes and public and private storm water facilities. A mapping proposal was offered to all co-permittees at annual township meetings. Working agreements were secured with all of the co-permitted townships the project completed. The mapping totals include: 2,299 outfalls, 16,518 catch basins, 19,846 storm sewer pipes, 2,716 ditches and 370 stormwater basins or post-construction water quality features. This data will be updated and maintained by the Mahoning County Engineers Office. The data can be viewed at: http://gis.mahoningcountyoh.gov/mahoningpublicviewer/ by opening the stormwater data layer.

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.

MCM #4 Construction Site Runoff Control

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 are being modified to 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. 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, Canfield Township, Coitsville Township and Poland Township. 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.

In 2014, there were a total of 48 active sites in the urbanized area of the County resulting in 580 inspections. As per the permit requirements, sites are inspected at least monthly but vary depending on the sensitivity of the

project. A total of 14 pre-construction meetings were held and three (3) public complaints were responded to for erosion and sediment control concerns.

MCM #5 Post Construction Runoff Control

During the 2011 annual reporting period the Mahoning County Engineer's Office and SWCD held several meetings with local zoning officials to discuss long-term maintenance and as-built requirements for post construction and storm water management facilities. In cooperation with local zoning, the Mahoning SWCD has created model enabling zoning legislation for townships that wish to require as-built certifications for all post construction facilities when deemed necessary by the County Engineer's Office or SWCD. The Mahoning County Engineer's Office continues to review submittals for compliance with post-construction requirements as detailed in the Construction General Permit. In 2014, the office reviewed 27 total sets of plans, 16 of which were less than 1 acre, 7 water quality ponds, 1 manufactured system and 3 were additions with existing WQv.

MCM #6 Pollution Prevention/ Good Housekeeping

A Pollution Prevention/Good Housekeeping Workshop was held in March of 2013 for the County and all Co-permitted road and street department and maintenance personnel. Program information was presented using the Excal Visual Stormwater Training Modules which were purchased by the County Engineer's Office. Several protocols were discussed including, material storage and inventory, facilities inspection, spill response, proper disposal, IDDE 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 is required at each MS4 road department maintenance facility and grounds each spring. Findings and recommendations of those inspections are kept on file by the MS4.

Regulated Area Table

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 of 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 and Erosion and Sedimentation Control 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. The Drainage and Erosion and Sedimentation Control Manual will be updated to incorporate current Ohio EPA CGP standards including enhancements in post-construction stormwater management and updated floodplain regulations.

AWARE display at the Canfield Fair

Stream Signage at Mill Creek, Shields Rd.

Water quality monitoring by Mahoning SWCD

Figure 1-County Table of Organization

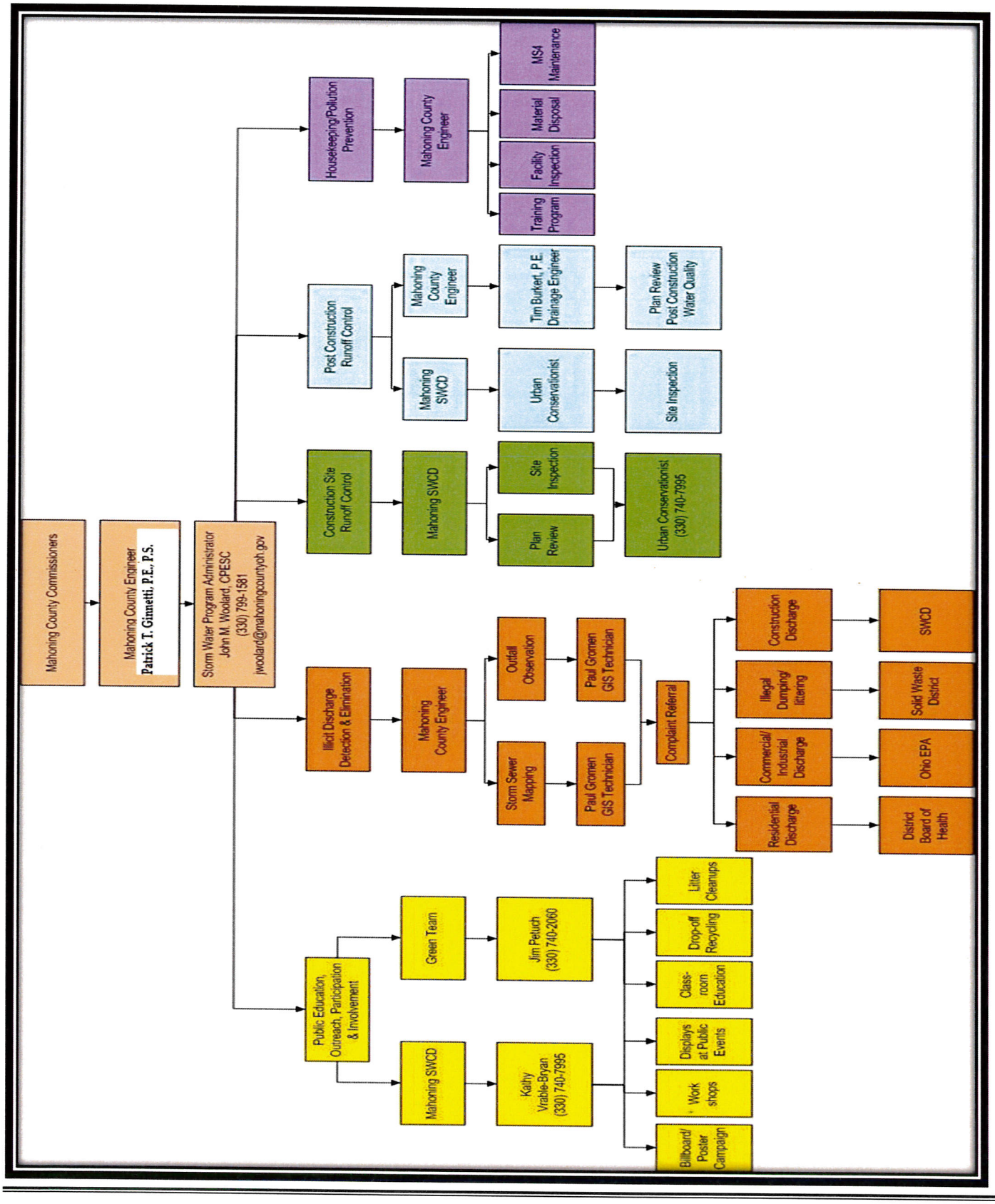

Figure 2-Township and MetroPark Table of Organization

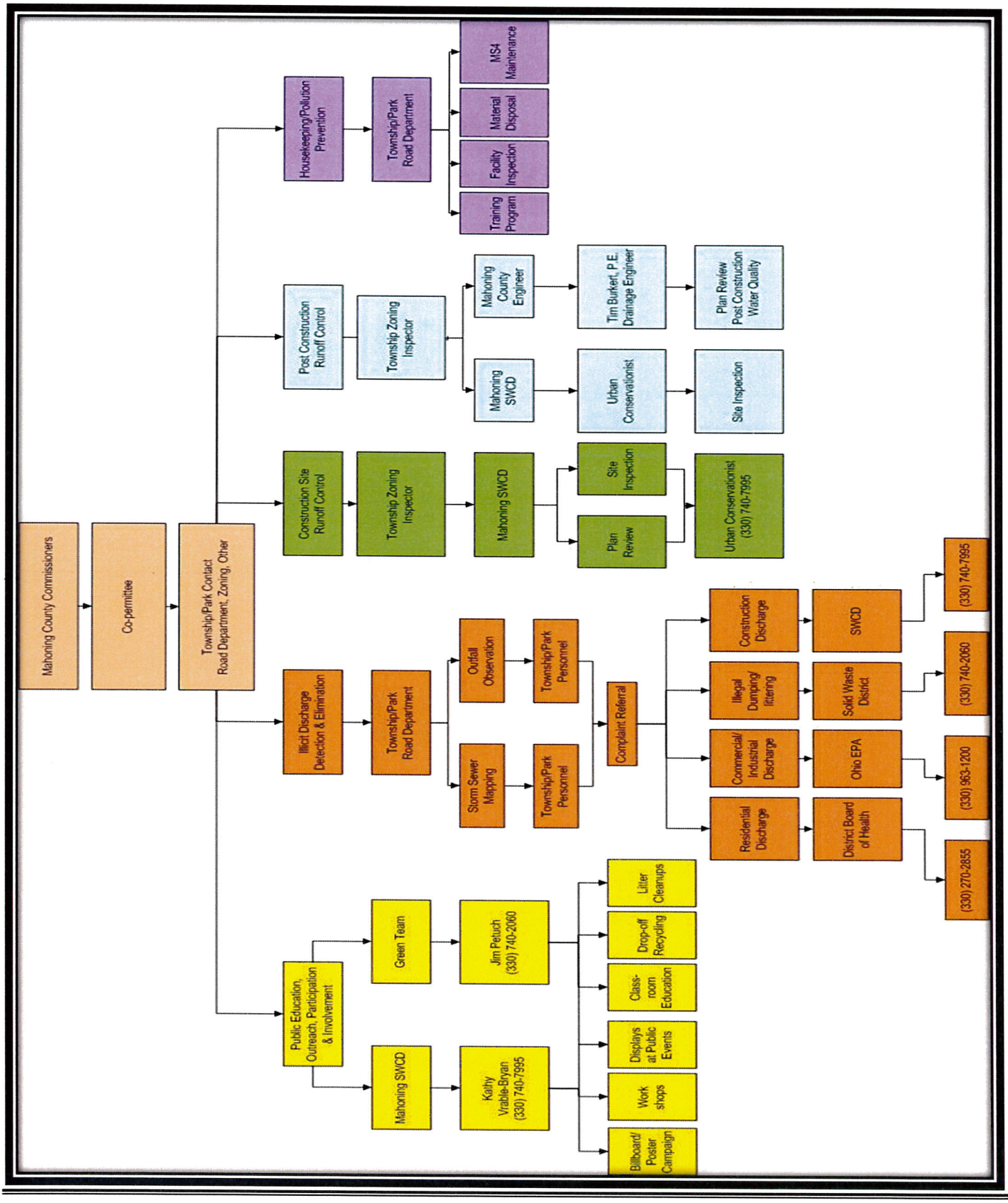

Figure 3-Active Construction Site List 2013

Active Sites Log 2014

Phase II Township	Site Name	Status
Austintown	Meander Glen	Open
	Victory Hills	Open
	Austintown Schools	Open
	Hollywood Slots	Open
	Candelwood Suites	Open
	Dollar General	Open
	Family Dollar	Open
	East Ohio (PIR624 Mahoning Ave & S Wickliffe Circle)	Construction Pending
	Homes 2 Suites by Hilton	Construction Pending

Phase II Township	Site Name	Status
Beaver	Stone Gate	Open
	Avellino	Open
	Lake Reserve	Open
	Dollar General	Open
	Prima Health Care LLC	Open
	Bolt	Open
	Hunter Lift	Open
	Lake Reserve Phase 2	Construction Pending

Phase II Township	Site Name	Status
Boardman	Bristol Park (AKA) Bieber Farms	Open
	First Energy (69kv Boardman Lowellville-Transmission Line)	Open
	Summer Garden Expansion	Open
	Dollar General (Western)	Open
	Boardman Baptist	Open
	NTB	Open
	Tod Avenue St. Elizabeth	Open
	Dollar General (Homestead)	Open
	Best Western Plus	Open
	O'Reilly's	Open
	Dearing Compressor	Open
	Chick Fil A	Construction Pending Since 2013

Phase II Township	Site Name	Status
Canfield	Summer Wind Phase 3/4	Open
	Vilas at Fox Den	Open
	Abbey Road	Open
	Fox Den Phase 8	Open
	First Energy-Berlin Lake Ph2	Open

Phase II Township	Site Name	Status
Coitsville	None	

Phase II Township	Site Name	Status
Poland	Ridgley Park	Open
	Preserve at Yellow Creek	Open
	Rose Lynn	Open
	Poland Fire Station 92	Open
	South - First Energy-Cedar St - Lowellville S 69 kV	Construction Pending
	North - First Energy-Cedar St - Lowellville S 69 kV	Construction Pending
	Ridgely Park - Phase 2A	Construction Pending
	Avalon Trails	Construction Pending Since 2013

Phase II Township	Site Name	
Springfield	Spring Field Woods	Open
	Hampton Ridge	Open
	Heron Bay Village	Open
	Shores	Open
	Springfield School K-4	Open

Figure 4-Illicit Discharge Detection and Elimination Table

DATE	OUTFALL or LOCATION	TOWNSHIP	OBSERVATION	RESULT
3/27/2008	BO004-TIPPECANOE RD.	BOARDMAN	SEPTIC/GREY WATER	INVESTIGATED ON 4/1/08
3/27/2008	AU140-NEW RD.	AUSTINTOWN	SEPTIC/GREY WATER	REFERRED TO BOH
3/27/2008	AU191-NEW RD.	AUSTINTOWN	SEPTIC GREY WATER	REFERRED TO BOH
3/27/2008	AU192-NEW RD.	AUSTINTOWN	SEPTIC GREY WATER	REFERRED TO BOH
2008	LIPKEY RD.	JACKSON	SEPTIC/GREY WATER	INVESTIGATED ON 5/7/08
10/7/2008	MAHONING AVENUE	AUSTINTOWN	SEPTIC DISCHARGE	REFERRED TO BOH
3/27/2008	LANTERMAN RD.	AUSTINTOWN	SEPTIC/GREY WATER	REFERRED TO BOH
4/15/2008	RT. 46 PILOT STATION	AUSTINTOWN	ILLEGAL DUMPING	INVESTIGATED ON 5/6/08
10/15/2013	ROTH BROTHERS	AUSTINTOWN	INDUSTRIAL DISCHARGE	ILLICIT PLUMBING CONNECTION
11/12/2014	FRED MARTIN FORD	AUSTINTOWN	IND. DISCHARGE/CAR WASH	PLUMBING CORRECTION

Figure 5-IDDE Protocol

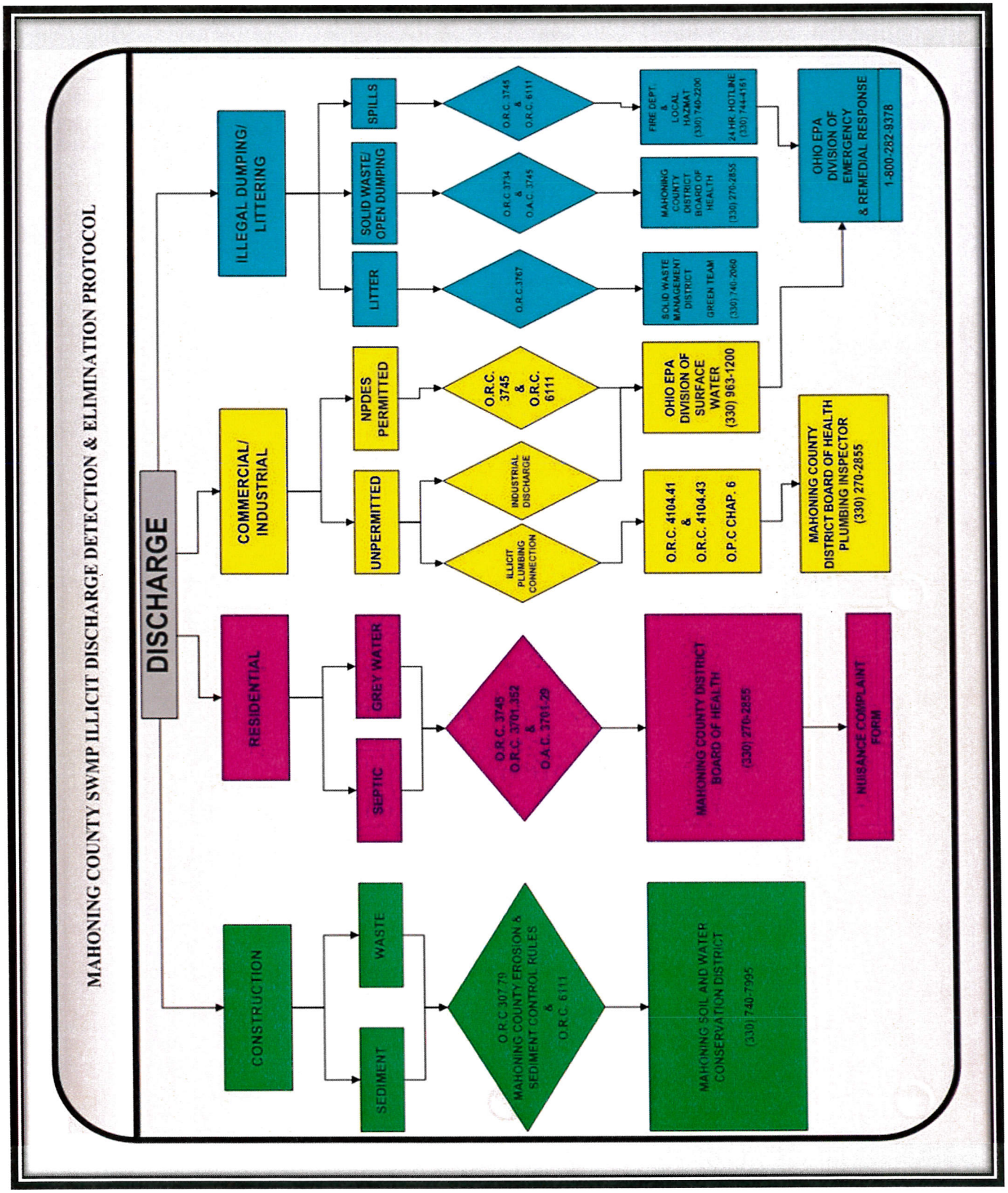

Figure 6- Community Recycling and Education

Community Recycling Report Card

2014

Community	Drop-Off	Curbside	Overflow	Special Events	Total	Education General	Attendance General	Education Child	Attendance Child
Austintown	1,447,830	1,121,641	0	0	2,569,471	4	72	121	3,584
Beaver	219,560	0	12,500	0	232,060	15	546	40	1,096
Beloit*	264,740	0	4,705	0	269,445	15	2,043	77	3,178
Berlin	156,260	0	1,919	15,540	173,719	0	0	0	0
Boardman*	1,618,320	1,476,984	0	315,054	3,410,358	5	140	113	3,191
Campbell	99,660	243,750	0	0	343,410	0	0	19	534
Canfield City**	0	466,560	0	1,232,000	1,698,560	12	2,078	49	1,661
Canfield Township	740,960	468,809	0	55,054	1,264,823	0	0	0	0
Coitsville	65,400	0	0	2,840	68,240	0	0	0	0
Craig Beach	148,920	0	0	0	148,920	0	0	0	0
Ellsworth	181,360	0	0	0	181,360	0	0	10	337
Goshen	290,920	0	3,873	18,041	312,834	0	0	0	0
Green	165,980	0	0	10,865	176,845	0	0	0	0
Jackson	163,780	0	0	0	163,780	5	77	42	1,228
Lowellville	42,600	59,695	150	130,000	232,445	0	0	1	22
Milton	190,600	0	0	0	190,600	0	0	0	0
New Middletown	0	110,171	0	18,000	128,171	0	0	0	0
Poland Township	810,020	634,844	0	0	1,444,864	0	0	0	0
Poland Village	0	268,729	0	0	268,729	1	70	48	1,418
Sebring	0	0	0	0	0	5	106	50	981
Smith	109,060	0	84,387	0	193,447	0	0	0	0
Springfield	294,280	0	0	0	294,280	5	66	54	1,463
Struthers	189,780	435,269	0	773,716	1,398,765	0	0	21	837
Youngstown**	524,850	1,449,954	824,828	469,431	3,269,063	1	1,250	0	0
Mahoning County++	32,160		0	22,000		39	2,554	2	52
Totals	**7,757,040**	**6,736,406**	**932,362**	**3,062,541**	**18,434,189**	**107**	**9,002**	**647**	**19,582**

Notes:
++ General attendance not attributed to any municipality listed here.
* Beloit/Goshen combined for education
** Canfield City/Township combined for education
*** Poland Village/Township combined for education
**** Springfield / New Middletown combined for education

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) County Commissioners via County Engineer's Office as Program Administrator. Township Trustees, Road Departments and Park Designee and Staff.	Meet annually to review Storm Water Program Progress. Updates provided at annual township meetings held at County Engineer's Office	Program status report and update on new MS4 Permit requirements, mapping and webcast opportunities.	All County agencies relevant to the SWMP, Township Trustees and road department staff	100%	Attended by Board of Health, SWCD, Green Team, and County Engineer's. *Township meetings held annually in January. Phase II update provided, annual reports distributed and discussed, storm sewer system mapping program update, annual discharge fee invoiced	Yes
Public Involvement Storm Water Committee	Public Hearings for Draft SWMP and County ESC Regulations held on behalf of the County Commissioners. Commissioner Resolutions Adopting the SWMP and ESC Regulations. Trustee MOU Resolutions of Participation in the SWMP, MOU's for Interagency Cooperation for Program implementation	Open, Public Meetings with a Message Relevant to the Agenda Item or Public Hearing. Presentations were Given and Public Comment Solicited. Resolution as required for MOU's at trustee, commissioner and agency meetings in spring of 2009.	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 changed to 5 year MOU in spring of 2009.Being renewed in 2015 Open meetings for updates and MOU renewal in county agencies with Boards (Commissioners, BOH and SWCD) in spring of 2010.	Yes
Newsletters & Media Soil and Water Green Team Sanitary Engineer's Office	SWCD-news articles, press releases Engineers- SOS Program Newsletter Articles **4** Green Team- Education Newsletter (was Mahoning Matters-changed to "Green Scene" e-newsletter **1** Sanitary Engineers-Pipeline in spring	Watershed Education Proper Household Hazardous Waste (HHW) Disposal Erosion and Sediment Control (E&SC)	Homeowners/Business/Government SOS Program~Mill Ck. & Meander Ck. Watershed Residents	100% of all households w/in Phase II communities	**Green Team** e-newsletter-(4) 2,236 **Green Team** TV ads-60 **Green Team** Radio ads-223 **Green Team** print ads-3 **SWCD** newsletter articles~**4** (440 printed, 5000 e-newsletter) **SWCD** radio ads~2 **Sanitary Engineer's** Pipeline~**1** Circulation-40,000 **Engineer's Office~5** Newsletter Articles for NPDES	Yes

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 AWARE E&O Committee SWCD Green Team Board of Health	**SWCD**-# of events held **Board of Health-** Workshops **Green Team**- # of education opportunities held **AWARE** Activities (Eastgate)	Watersheds, Raingardens, Household Hazardous Waste, Recycling, Automobile Maintenance, HSTS maintenance. Educate students and adults as to the potential for point source and non-point source pollution carried through storm water. Board of Health continuing 2 annual education workshops for installers, pumpers, designers and authorized representatives.	Homeowners, students, businesses	**Eastgate-Green Infrastructure Wkshp**~45 attendees **SWCD Enviroscape (4)**~370 students and adults **SWCD Raingarden Wkshp (1)**~48 **SWCD Rainbarrel Wkshp (1)**~200 **SWCD Jr Envirothon (1)**~ Phase II schools represented regionally, 65 attendees **Posters**~55 on-going posters in township and public locations @ Mill Creek MetroPark (10,000+) www.mahoningswcd.org **Green Team Composting Wksp (4)**~130 **AWARE mtgs**~5 mtgs. (Ed. & Outreach Plan developed) **BOH**- 2 workshops, 2 seminars, 170 attendees **Green Team- 467** Educational Events with 15,412 participants as follows: **Austintown-125 events, 3,656** **Beaver-55 events, 1,642** **Boardman-118 events, 3,358** **Canfield-61 events, 3,739** **Poland-49 events, 1,488** **Springfield-59, 1,529**	Continue SWCD classroom education, presentations and workshops Continue Board of Health workshops Continue Green Team classroom education and workshops	Annual
Website Education Subcommittee SWCD Website County Engineer's Website Green Team Website Board of Health Website AWARE Website	Mahoning County Communicator Website-Stormwater management centralized on County Engineer's website with links to other agency sites for specific information	Construction Program, Poster Campaign, Raingarden Information, 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**~ unable to track hits, currently under construction **AWARE**~ new website & e-mail system **Green Team**~401 hits (2014) **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), Raingardens and Poster Campaign (SWCD), HSTS & nuisance complaints (Board of Health) and watershed meetings (AWARE).	Ongoing
Community Activities	County Fair Displays, Annual Litter Cleanup Day, AWARE	-Stream Monitoring (SWCD) -Raingarden/ Rainbarrel Display	Community leaders, contractors,	**County Fair Displays (all entities)** ~250,000 attendees **SWCD Jr Envirothon** ~65	Continue annual fair displays, litter cleanups, AWARE Meetings,	Annual

Education Subcommittee AWARE YSU Green Team Mill Creek MetroParks SWCD	Meetings, Watershed Festival/Riverfest, Volunteer opportunities, Community Recycling and Household Hazardous Waste Collection Events, Stream Monitoring, Riverfest (new)	-Watershed Ed. (AWARE) -HHW & Recycling (Green Team) -Outfall Mapping (Engineer's) -Community Recycling (Green Team) -Riparian Setbacks (Engineer's) -Watershed Festival	developers, and residents	**Green Team Curbside Recycling**~ >80,000 residents, **30 community drop-off sites as follows for 2014 Phase II:** Austintown-724 tons Beaver-110 tons Boardman-809 tons Canfield-370 tons Coitsville-33 tons Poland-405 tons Springfield-147 tons **AWARE Mtgs.**~5 **Earth Day Clean-up 4//14 (Mill Ck)**-380 participants, 79 large trash bags, 48 large trash bags of recyclables, 28 sites, 1140 volunteer hours **Riverfest/Watershed Festival**~ 6/7/14~ approx. 850 attendees **Drop off recycling** is available to 100% of the target audience	recycling and HHW collection events, stream monitoring, Watershed Festival/Riverfest	
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 Education Subcommittee Green Team SWCD Board of Health	# of media distributed	-E&SC -Watershed Education -HHW -Pesticides/Herbicides	-Watershed Residents -Contractors and developers -HSTS owners/operators -General public	**SWCD**-E&SC Preconstruction (10) and onsite mtgs-(156) SWCD-1,975 brochures printed and distributed **AWARE-** Watershed Education brochures (>500) **Green Team**-3,500 Educational flyers, HHW and Recycling	Continued distribution of media at public events	Ongoing

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.	Yes

				Board of Health 2014 **1)Sewage Complaints~21** **2)Solid Waste/Open Dumping Complaints~19** **Sewage**: Austintown-4, Beaver-1, Boardman-3, Canfield-5, Coitsville-1, Poland-3, Springfield-4 **Solid Waste**: Austintown-6, Beaver-1, Boardman-6, Canfield-1, Coitsville-1, Poland-3, Springfield-1	
BMP & Responsible Party	**Measurable Goal**	**Completed (Yes or No)**	**Summary of Activities or Updates**		**Effective (Yes or No)**
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
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. 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	Measurable Goal	Completed (Yes or No)	Summary of Activities or Updates	Effective (Yes or No)
IDDE Plan Illicit Discharge Subcommittee	Development of protocols and procedures for the identification and subsequent elimination of illicit discharges to the MS4	Yes	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. IDDE training was conducted in March of 2013 using the Excal Visual training program. The training was attended by all Phase II community Road and Street Staff.	Yes

BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	# of Outfalls Screened	# of Dry-Weather Flows Identified	# Of Illicit Discharges:		Effective (Yes or No)
					Identified*	Eliminated	
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 .	County-355 Austintown-240 Beaver-16 Boardman-306 Canfield-85 Poland-102 Springfield-9 Mill Creek-240	County-6	6	1	Yes

*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 Illicit Discharge Subcommittee	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.

Storm Sewer System Map	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 is nearly completed. Proposals were made to each co-permitted MS4 for fee-based mapping of each of their respective systems by county staff. Agreements were secured with co-permittees for second generation permit mapping. All Phase II storm sewer system maps have been completed. The data is available on the County GIS System at http://gis.mahoningcountyoh.gov/ **Outfalls-2,225** **Catch Basins-15,938** **Storm pipes-19,035** **Ditches-2,532** **Storm Ponds-363**	Complete task by the end of the next five year permit term.
Illicit Discharge Subcommittee and Individual MS4			
HSTS Mapping and List	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			
IDDE Plan	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.
Illicit Discharge Subcommittee			
Dry-Weather Screening of Outfalls	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)	Complete and on-going
All Individual MS4's			

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 Commissioners 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 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 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 the current Construction General Permit	Yes

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 SWCD Engineer's Office	Respond To public complaints regarding construction site E&SC	Yes	3	3	On-site Meetings/ conversations were held and corrective action was taken.	Yes

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 SWCD Engineer's Office	Review of proposed construction activities for compliance with the County ESC Regulations, OEPA CGP, 401 and 404 Requirements.	Yes	20	22	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, several 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)
			# of Applicable Sites	# Performed	Avg. Frequency		
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	48	580	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

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	0	None	Sites receiving NOV's rectified site deficiencies before further enforcement actions were taken. No immediate stop work orders were issued by Mahoning County for failure to submit drawings or permit violations.	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 Commissioners Engineer's Office Construction Subcommittee	Consider proposed amendments to the Mahoning County ESC Rules for compliance with the OEPA CGP OHC000003 in the next year.	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.	Ongoing
Sediment and Erosion Control Requirements Engineer's Office SWCD Construction Subcommittee	Regulations must be as stringent or more stringent than the current OEPA Construction General Permit OHC000004.	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.	Ongoing
Complaint Process SWCD Engineer's Office	Respond to public complaints regarding Construction Site E&SC	Continue complaint response and document corrective actions taken.	Ongoing
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	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

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.	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
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" 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

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	Summary of Results or Activities	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.	Yes	10	**27 total**, 16 < 1 ACRE (met drainage criteria) 7 water quality ponds (WQv) 1 manufactured system 3 additions w/existing WQv	All relevant Sites requiring post-construction BMP's were reviewed.	Yes

	ensure long-term maintenance plans are included.					
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	44	Upon installation at minimum	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)**
			# of Violation Letters	**# of Enforcement Actions**		
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	none	none	Two (2) on-site meeting were held for poorly maintained post-construction BMP's.	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	12	12	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 to incorporate revised ESC Rules and Floodplain Regulations	As necessary
Post-Construction Requirements	Detail Post-Construction BMP's and OEPA Construction General Permit in Requirements in County Drainage Criteria Manual and ESC	Continue to refer engineers and site plan developers to the specifications provided in the Mahoning County Drainage Criteria Manual,	Ongoing

Engineer's Office	Regulations.	Ohio Rainwater and Land Development Manual and OEPA post-construction Q & A Document.	
Site Plan Review Procedures SWCD Engineer's Office	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.	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.	Ongoing
Site Inspection Procedures SWCD	On-site inspection of all inventoried sites (as required by the new MS4 Permit) that were required to provide post-construction BMP's.	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.	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.
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.	Conduct on-site meetings and provide written notices of deficiencies.	Ongoing
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	Ensure that all site plans requiring long-term O&M plans have provided language in the plan detailing the responsible party and maintenance schedule	Ongoing

OhioEPA

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 Good Housekeeping Subcommittee and Individual MS4	Annual Training and update provided by the good housekeeping subcommittee utilizing "Excal Visual" training program. Individual MS4 required to train individual employees	Yes	-Street Sweeping Disposal -Catch Basin Disposal -Fluid Disposal -Outfall Monitoring & IDDE -Spill Response -Facility Inspections -Material Storage	Road and Street Department Personnel.	Approximately 14	Annual on-site inspections are required at each MS4 maintenance facility. The inspection is conducted facility road and street department staff.	Yes

List of Municipal Facilities Subject to Program	O&M Procedures Developed for Facilities (Yes or No)	# of Facility Inspections Performed	Frequencies of Such Inspections
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	Yes SWPPP's (Pollution Prevention/Good Housekeeping Program Document) have been developed for each listed MS4 facility	9	Annual

	Summarize Maintenance Activities and Schedules	Summarize Activities Performed
MS4 Maintenance	Maintenance activities include fleet maintenance, street sweeping, catch basin cleaning, ditch maintenance, salt storage and application. Maintenance activities are performed annually or ongoing.	**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

	Procedures Developed (Yes or No)	Document Amounts of Wastes Properly Disposed
Disposal of Wastes	Mahoning County-Yes Austintown-Yes Beaver-Yes Boardman-Yes Canfield-Yes Coitsville-Yes Poland-Yes Springfield-Yes Mill Creek-Yes	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. 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.

	Covered (Yes or No)	Tons Used	Summarize Measures Taken to Minimize Usage
Road Salt	Mahoning County-Yes Austintown-Yes	County-8,900 tons	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

	Beaver-Yes Boardman-Yes Canfield-Yes Coitsville-Yes Poland-Yes Springfield-Yes Mill Creek-Yes	Other amounts available upon request	ratio.
Street Sweeping	**Procedures Developed (Yes or No)**	**Document Amount of Material Collected and Properly Disposed**	
	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 or screen it for reuse as backfill. 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. Annual training and update for pollution prevention/good housekeeping.	Continue the "train the trainer" program. Individual MS4 required to train individual employees	Annual
Good Housekeeping Subcommittee and Individual MS4			
List of Facilities Subject to Program	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
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			
MS4 Maintenance	Amount of material generated from street sweeping, catch basin cleaning	Fleet maintenance, street sweeping, catch basin cleaning, ditch maintenance, salt storage and	Annual or ongoing

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