

STORM WATER MANAGEMENT PLAN

PERMIT# OHQ000003

JACKSON TOWNSHIP BOARD OF TRUSTEES

STARK COUNTY, OHIO

Jackson Township Board of Trustees
5735 Wales Avenue NW
Massillon, OH 44646
330-832-7416 – Phone
330-832-5936 – Fax
www.jacksontwp.com
mvaccaro@jacksontwp.com

UPDATED: 12-13-16

4-1-17 - MS4 Report – 2016
4-1-18 – MS4 Report – 2017
4-1-19 – MS4 Report - 2018
4-1-20 – MS4 Report - 2019

Table of Contents

Executive Summary3

Legal Authorities to Implement the Stormwater Management Program3

Financial Authorities to Implement the Stormwater Management Program.....3

Overview of Community Stormwater System and TMDLs.....3

Description of Program Development and Decision Process.....5

Stormwater Management Program7

 MCM 1: Public Education and Outreach7

 MCM 2: Public Involvement and Participation10

 MCM 3: Illicit Discharge Detection and Elimination.....13

 MCM 4: Construction Site Stormwater Runoff Control17

 MCM 5: Post-Construction Stormwater Management in New Development and Redevelopment20

 MCM 6: Pollution Prevention/Good Housekeeping for Municipal Operations23

Review and Update of the Stormwater Management Program33

Evaluating, Record Keeping and Reporting.....33

Appendices35

 Township Urbanized Area Map

 Jackson Township Organization Chart

 NPDES Phase 2 Storm Water Program Table of Organization

 MCM#1 & MCM#2 Table of Organization

 MCM#3 Table of Organization

 MCM#4 Table of Organization

 MCM#5 Table of Organization

 MCM#6 Table of Organization

 Zoning Resolution - Chapter 413 - Riparian Areas

Executive Summary

The previous NPDES Small MS4 general permit (#OHQ000002) required the development and implementation of a Stormwater Management Program that satisfied the appropriate water quality requirements of Ohio Revised Code (ORC) 6111 and the Clean Water Act. This document must identify and describe the best management practices (BMPs) the MS4 has selected to address the six MCMs in the permit, why those particular BMPs were selected by the MS4 in light of local water quality issues, and performance standards for BMP implementation. The six MCMs are:

1. Public Education and Outreach
2. Public Participation and Involvement
3. Illicit Discharge Detection and Elimination
4. Construction Site Runoff Control
5. Post-Construction Runoff Control
6. Pollution Prevention/Good Housekeeping for Municipal Operations

The NPDES Small MS4 permit was reissued on September 11, 2014 (#OHQ000003), and requires MS4 communities which are renewing coverage under this permit to update their SWMP to be consistent with #OHQ000003 and submit to Ohio EPA for review. #OHQ000003 requires that where applicable, BMPs shall be selected to address U.S. EPA approved TMDL recommendations for identified water quality problems associated with MS4 discharges within Jackson Township, Stark County, Nimishillen and Tuscarawas Watersheds (s).

Legal Authorities to Implement the Stormwater Management Program

In the State of Ohio, a township functions as a statutory local government exercising only those powers specifically delegated to them by the General Assembly. Jackson Township adopted a Limited Home Rule government which expands legislative authority and provides a more powerful means of enforcing township resolutions.

Financial Authorities to Implement the Stormwater Management Program

Currently, Jackson Township has used the following sources of funding jointly and in various combinations as necessary. Periodically, Jackson Township, will evaluate the SWMP and, if necessary, suggest alternative funding arrangements.

- Road Levy Fund
- General Fund
- Capital Projects Fund
- Ohio Public Works Commission
- Issue II - Public Works
- County, State, and Federal funding assistance

Overview of Community Stormwater System and TMDLs

Jackson Township is a member of the consortium that was formed to prepare permit applications for NPDES Phase II in Stark County. This SWMP represents the *individual*

component of Jackson Township's SWMP. It details specific information pertaining only to Jackson Township, the BMPs currently being implemented and proposed to be implemented by and for the Township, the associated measurable goals, and other crucial information.

The subsequent watersheds in Jackson Township have had U.S. EPA-approved TMDL reports prepared for the following water quality problems and pollutants:

- Nimishillen
 - Phosphorus, Habitat, Bacteria
- Tuscarawas
 - Phosphorus, Habitat, Bacteria, TSS

In order to maintain compliance with #OHQ000003, Jackson Township, Stark County, will use the recommendations made in the TMDLs for the above watersheds to better tailor our BMP selection to address noted water quality problems attributed to MS4 discharges.

Overview of Jackson Township:

2019 Population (Entire Township): 40,588

2019 Population (in Urbanized Area): 24,627

Approximate Size of Township: 36 square miles

Approximate Portion of Township in UA: 22 square miles

Percent of Township in UA: 61% in Jackson Township Urbanized Area

Approximate Roadway Maintenance Mileage: 202 miles

Community Information:

- Jackson Township, Stark County, is located in northeastern Ohio, south of Akron. Jackson is a progressive, large urban township which provides full-time administrative and legal services, fire and police protection, highway maintenance, zoning, and eight parks for recreation.
- According to the 2010 census bureau there are more than 16,771 occupied households in Jackson Township.
- In 2019, there were 106 zoning permits issued for new single family homes. Jackson Township has a good balance of residential and commercial areas.

Structure of Government: Jackson Township was partitioned from Plain Township in 1815. Townships were the first form of local government in Ohio. Townships are governed by three elected trustees serving four-year terms who have legislative authority. A fourth elected official, township fiscal officer, is independent of the trustees, and is responsible for keeping the records of township proceedings and financial accounts.

An organizational chart is included in Appendix.

Description of Program Development and Decision Process

To develop its SWMP, Jackson Township, Stark County, followed the steps outlined below:

1. Throughout the planning stages of preparing for NPDES Phase II, representatives from Jackson Township have had meetings with the Stark County Regional Planning Commission and regularly scheduled public meetings at the Township Hall. Various articles in local newsletters and newspapers have provided information about NPDES Phase II and how activities such as a local stream cleanup are encouraged for compliance. In effect, the general public was introduced to the basics of Phase II and how it affects the communities they live in.
2. The Township is benefited by many of the county-wide or regional BMPs being implemented by other entities. However, the Township has chosen to implement the following practices individually to specifically benefit itself locally. Some of the listed BMPs may not be focused solely on storm water quality, but the cumulative effects of the BMPs ultimately help to contribute to the reduction or elimination of pollutants in storm water runoff. Where necessary, some changes will be made to incorporate certain BMPs into the general operations of Jackson Township.
3. Measurable goals will mostly be of a format that tracks implementation over time, or that tracks the number of BMPs implemented, since most of the BMPs are of an "ongoing" nature. Throughout the year, there will be documentation of how often, how much, where the BMPs are implemented, etc. These figures will be included in the required annual reports. Other formats of measurable goals will coincide with the nature of the respective BMP.
4. Unless specifically stated, the Township has the legal authority to implement the BMPs described within this plan and is responsible for the overall management and implementation of its storm water management program. The success of Jackson Township's SWMP will hopefully result in OEPA-documented reductions in the identified impairments, increased public interest and demonstrated awareness, and an overall increase in local environmental health.
5. All new development must be designed by the developer and reviewed by the Stark County Subdivision Engineer. The complete Storm Water Management Guidelines and Requirements are on file at the office of the Stark County Subdivision Engineer.
6. The above construction is reviewed by the Stark County Subdivision Engineer in a timely manner and the Stark Soil and Water Conservation District. A representative from Stark Soil and Water Conservation District (SSWCD) inspects each site monthly and files a report with the Subdivision Engineer, the developer, and the Ohio Environmental Protection Agency (OEPA).

7. All curb inlets in new construction or on any newly replaced inlets are marked with the "No Dumping – Flow to Waterway" fish-back casting.
8. All post construction maintenance on the pipe is typically the Township's responsibility if on Township right-of-way and accepted and built to our standards. However, the Township only maintains retention/detention basins that are on public right-of-way or publicly-owned land. The remaining basins are maintained by the respective homeowner associations or developers.
9. The present method of storm water management is supervised by the Township Public Works Director's office and performed by the Township Public Works Department.
10. As this work is being performed, the Director's office is to keep records of them for use at a later date. If said maintenance requires replacement or destructive rehab, and if the expense is suitable and the workforce is available, the Public Works Department will perform the work. If not, the Township Engineer will estimate the project cost and if said estimate is over \$45,000.00, then said project will be publicly bid per the O.R.C. If said estimate is below \$45,000.00, the Public Works Department will bid by invitation and supervise the work.
11. The SWMP is on our website <http://www.jacksonwp.com/StormWater.aspx> for the public to view.

Stormwater Management Program

MCM 1: Public Education and Outreach

To comply with the requirements of the Public Education & Outreach measure, Jackson Township will rely on many of the regional BMPs. In addition, the Township will utilize various forms of communication, such as its local newsletter, "Jackson Township Newsletter", township website, and Facebook page to educate its residents about the steps they can take to reduce storm water pollution, the pollutant parameters concerning TMDL's of Phosphorus, Habitat, Bacteria, and TSS in the Nimishillen and Tuscarawas Watersheds, as well as how to get involved in local storm water related activities. These activities will be both regional and local. Target audiences include residents and commercial, industrial, and institutional entities.

The education will focus on the known surface water impairments, the pollutant parameters concerning TMDL's of Phosphorus, Habitat, Bacteria, and TSS in the Nimishillen and Tuscarawas Watersheds, since these are what OEPA has determined to be most crucial to the local surface water environment, and practical things that can be done to promote better runoff quality as well. Many of the BMPs chosen are a reflection of what the Township is already doing to address some of the storm water pollution problems. It is our intent to reach 50% of the Township's population by the end of the permit cycle.

Table 1: Public Education and Outreach Program Summary

MCM 1: Public Education and Outreach			
<u>Performance Standards:</u> Must use more than one mechanism of delivery to residents. Must use at least 5 different themes, one of which must be for the development community. Must reach at least 50% of the population by the end of the permit cycle.			
Theme and TMDL Applicability	Mechanisms for Delivery (minimum of 2)	Schedule and Measurable Goal	Responsible Party
Theme 1: Riparian Corridor Protection in the Nimishillen and Tuscarawas Watersheds! Will address TMDLs of nutrients by creating riparian corridors buffers along natural bodies of water.	Use of the Jackson Township Newsletter for educational articles. Creation of an educational brochure/flyer for the availability to the public at township hall and community locations, have a workshop tailored to specifically address nutrient TMDLs.	Reach 15% of community through education of message. Goal is 50% reached by end of permit cycle.	Jackson Township Employees
Theme 2: Why do we have riparian and wetland setbacks? Having setbacks help control natural habitats TMDLs going into streams, rivers, and creeks.	Use of the Jackson Township Newsletter for educational articles. Creation of an educational brochure/flyer for the development community, highlight Chapter 413 Riparian Areas in the Jackson Township Zoning Resolution.	To educate residents on the value of riparian setbacks. Reach 15% of community through education of message. Goal is 50% reached by end of permit cycle.	Jackson Township Zoning Department

<p>Theme 3: Grasscycling and using yard waste disposal sites! Keeping grass and yard waste out of watersheds will address TMDLs of Total Suspended Solids –TSS.</p>	<p>Yard waste drop-off site available for residents of the township. Use of the Jackson Township Newsletter for educational articles, use of social media notification for hours of drop-off site and messages on grass clippings.</p>	<p>Reach 55% of community through yard waste drop-off site. Goal is 65% reached by end of permit cycle.</p>	<p>Jackson Township Public Works Department</p>
<p>Theme 4: What To Do With All of the POO? Reducing manure and pet wastes from infiltrating into surface water will help in preventing TMDLs of Bacteria pollution in our watersheds.</p>	<p>Pet waste disposal bags in are available at four locations in our park system. Use of the Jackson Township Newsletter for educational articles, use of social media to remind residents of the need to reduce bacteria pollution.</p>	<p>Reach 45% of community through pet waste disposal bags in our park system. Goal is 60% reached by end of permit cycle.</p>	<p>Jackson Township Public Works Department – Parks Division</p>
<p>Theme 5: CLAWD the Crayfish. The use of CLAWD the Crayfish is an educational tool to reach school aged children to teach them about Storm Water Quality and Pollution.</p>	<p>A yearly theme is developed by the PIPE Committee to promote the slogan “Join the team! We’re all downstream”. A themed pamphlet is developed and made available for the public The theme is used in radio commercials and on eight bill boards throughout Stark County, Ohio.</p>	<p>Difficult to assess the number of population that is reached. The goal of 85% being reached by the end of the five year permit cycle.</p>	<p>Stark County Public Involvement/Public Education Committee and Jackson Township</p>

Other Individual Best Management Practices that will be used:

Newsletter

Description/Rationale: Jackson Township will utilize its quarterly newsletter, “Jackson Township Newsletter”, to educate its residents and other recipients with articles on storm water quality and pollution, and pollutant parameters of TDMLs of nutrients, habitat, bacteria, and TSS in the Nimishillen and Tuscarawas Watersheds. CLAWD the Crayfish will be featured in educational way. The title/position of the person responsible for coordinating and ensuring that articles will be published is the township administrator.

Measurable Goal(s)/Schedule: “Jackson Township Newsletter” reaches approximately 23,129 households and businesses in the township and will feature articles on storm water topics, and the pollutant parameters concerning TMDL’s of Nutrients, Habitat, Bacteria, and TSS in the Nimishillen and Tuscarawas Watersheds.

Website and Social Media

Description/Rationale: Jackson Township's website: www.jacksontp.com, provides information, links, and contacts for many township events, meetings, and general purposes. For example, the Jackson Township Newsletter can be viewed, notices of various activities, such as cleanups and special educational seminars are posted. There is a section dedicated to Storm Water <http://www.jacksontp.com/StormWater.aspx> that has the SWMP, NPDES Permit and Stark County, Ohio Phase II Stormwater Program Illicit Discharge Detection and Elimination Plan. The Human Resource Coordinator updates the Facebook page periodically with educational stormwater information and links to upcoming events, <https://www.facebook.com/pages/Jackson-Township-Board-of-Trustees-Stark-County-Ohio>.

Measurable Goal(s)/Schedule: This is an ongoing activity that will inform the public of our efforts to address TMDL's pollutants.

PIPE Committee

Description/Rationale: Jackson Township is a part of the Stark County Public Involvement and Public Education PIPE Committee. This committee holds quarterly meetings to review other agencies BMP's and coordinate programming. The Committee coordinates the yearly theme that is used for public education of storm water management through educational programs for residents and school age children. The yearly theme will address concerns involving TMDLs.

Measurable Goal(s)/Schedule: To provide public education on storm water management along with ways to prevent pollutant parameters concerning TMDL's of Phosphorus, Habitat, Bacteria, and TSS in the Nimishillen and Tuscarawas Watersheds,

MCM 2: Public Involvement and Participation

Jackson will rely mostly on regional BMPs for the implementation of a public involvement/participation program. Planned local activities will be advertised and encouraged in the Township's newsletter and through social media. Since there are many activities already in existence, a continuation of them is determined to be the most economical way to comply with this measure. Through regional BMPs and individual BMPs, public involvement from all ethnic and economic groups should take place in various forms. The involvement/participation will focus on the known surface water impairments, the pollutant parameters concerning TMDL's of Nutrients, Habitat, Bacteria, and TSS in the Nimishillen and Tuscarawas Watersheds.

Table 2: Public Involvement and Participation Program

MCM 2: Public Involvement and Participation			
<u>Performance Standards:</u> Must hold a minimum of 5 public involvement and participation activities over the permit term.			
Activity	TMDL Applicability	Schedule and Measurable Goal	Responsible Party
Stream Cleanup Event	Stream Cleanup Event will address the Nimishillen and Tuscarawas Watersheds TMDL recommendations for habitat degradation through direct improvement of in-stream habitat	At least 1 stream cleanup annually and the number of participants will be tracked.	Jackson Township and the Stark County PIPE Committee
Build Your Own Rain Barrel Workshop	A rain barrel workshop will educate on the Nimishillen and Tuscarawas Watersheds TMDL recommendations for habitat degradation, flow alteration, organic enrichment, and nutrients through attenuation and reduction of stormwater flows to the MS4 and treatment of nitrogen pollution	At least 1 rain barrel workshop conducted in the County, where residents will build a barrel to install at their residence. The number of participants will be tracked.	Stark County SWCD
Watershed-friendly lawn care and household cleaners workshop	Addresses the Nimishillen and Tuscarawas Watersheds TMDL recommendations for habitat degradation and nutrients through reduction of fertilizers/pesticides and other chemicals entering the MS4 through residential activities.	Conduct at least one hands-on workshop, where participants will create their own environmentally-friendly lawn care and household cleaning products for use; number of participants will be tracked.	Jackson Township
Yard Waste Drop- Off Site Program	Yard waste drop-off site is available for residents of the township to keep TMDLs of Total Suspended Solids – TSS out of the watersheds.	Yard Waste Drop-Off Site is open daily for the residents of the township to use.	Jackson Township Public Works Department

PIPE Committee Attendance at the Stark County Home and Garden Show	Educational booth at the Home & Garden Show to promote the "Join the team we're all downstream" committees main theme.	Attendance at this event varies each year.	Jackson Township and Stark County PIPE Committee
---	---	---	--

Other Individual Best Management Practices that will be used:

Reforestation Program

Description/Rationale: Jackson Township Parks & Recreation Division currently has a tree donation program. In the past, hundreds of trees have been planted in the park system. The North Park consists of 70 acres in which most of the trees planted there have been through the donation program. The Park & Recreation Division of the Public Works Department coordinates this program.

Measurable Goal(s)/Schedule: The number of donated trees will be tracked.

Volunteer Monitoring

Description/Rationale: Residents who live along streams and water bodies perform monitoring. They look out for abnormal conditions or changes in the water and habitat. During the Spring Cleanup, students are assigned to canal and stream pickup. The Public Works Department properly disposes of debris at licensed landfills. The Park & Recreation and Highway Divisions of the Public Works Departments coordinates this program.

Measurable Goal(s)/Schedule: The number of volunteering for monitoring will be tracked.

Community Hotline

Description/Rationale: For many types of concerns, including drainage, residents can call Township offices and speak to staff. The staff member in turn fills out a service request or directs residents to the proper authority/entity, depending on the nature of the concern and the appropriate legal authority to resolve the concern.

Measurable Goal(s)/Schedule: This is an ongoing activity. Service requests are kept on record and those related to storm water quality will be counted annually to be submitted in annual reports.

PIPE Committee

Description/Rationale: Jackson Township is a part of the Stark County Public Involvement and Public Education PIPE Committee. This committee holds quarterly meetings to review other agencies BMP's and coordinate programming. The Committee coordinates the yearly theme that is used for public involvement/participation of storm water management through educational programs for residents and school age children. The Township Administrative Assistant and Zoning Inspector are members of the PIPE Committee and are supervised by the Township Administrator.

Measureable Goal(s)/Schedule: To provide public involvement/participation on storm water management. PIPE Committee information is distributed at many park related events and at the Jackson Community Celebration.

MCM 3: Illicit Discharge Detection and Elimination

Jackson Township relies on in-house observation and public reporting for investigation and abatement of illicit discharges. The Jackson Township Public Works Department is charged with the visual inspection and documentation of 100% of the outfalls for illicit discharges in a five-year period. Follow Jackson Township's MS4 Outfall Inspection Program. Concerns, complaints, and observations by citizens and Public Works Department staff are usually the means to detect and report illicit discharges to the Stark County Health Department. Septic systems are monitored by the Stark County Health Department.

All applications for zoning permits for new residential, commercial, or industrial development require a copy of the sanitary sewer connection permit issued by the Stark Metropolitan Sewer District or a septic system permit issued by the Stark County Health Department prior to issuance of the permit. Documentation evidencing sewer or septic permits will be maintained for all new construction.

The Jackson Township Zoning Department has established a system to coordinate with the Stark County Health Department in connection with the construction of residential alterations, including accessory buildings, home additions, pools, decks, and porches for those properties with septic systems. The system involves notification to the property owner to contact the Health Department that a permit has been issued. A registered sanitarian from the Health Department subsequently follows up with an evaluation of the existing septic system prior to construction to ensure that the proposed structure or addition will not interfere with the location of the septic system, future replacement area, or water well. In this manner, the existing septic system is evaluated to ensure that it is functioning properly. This procedure provides a means of detecting and eliminating existing illicit discharges and to avoid future problems.

The general public, including public employees and businesses, should be informed of the hazards associated with illicit discharges and the improper disposal of waste. Proper education on illicit discharges will help cut down on the pollutant parameters concerning TMDL's of Nutrients, Habitat, Bacteria, and TSS in the Nimishillen and Tuscarawas Watersheds.

MCM 3: Illicit Discharge Detection and Elimination program		
Required BMP	Schedule and Measurable Goal	Responsible Party
Illicit Discharge and Illegal Connection Controls Policy and the Long Term Maintenance of Water Quality Practices Policy.	Resolution No. 13-018 Effective April 26, 2013.	Jackson Township, Stark County
Continue to maintain and update the MS4 map on an annual basis. This map was prepared by the Stark County Regional Planning Commission with GIS data and mapping.	Schedule an annual review of map to ensure all necessary	Jackson Township's Stormwater Committee

		updates are made.	
		Annual review and coordination with the health district to determine that any updates to map are made.	Public Works Director and the Stark County Health District
		Inspect a minimum of 20% of outfalls per year. Have 100% inspected by end of permit term. Follow MS4 Outfall Inspection Program.	Public Works Director – Highway Division Employees
		Assign & control visual inspection of Township areas for illicit discharge through IDDE Resolution No. 13-018.	Public Works Director and the Stark County Health District
		Annual training in conjunction with MCM 6 for Public Works staff	Public Works Director
Enhanced BMP	TMDL Applicability	Schedule and Measurable Goal	Responsible Party
All dry-weather outfalls screened during the permit term.	Addresses Nimishillen and Tuscarawas Watersheds TMDL recommendations for bacteria and nutrients.	100% of dry weather outfalls screened within each 5-year permit term.	Public Works Director

Other Individual Best Management Practices that will be used:

Storm System Outfall Map

Description/Rationale: The required storm sewer map showing the location of all outfalls from the Township's MS4s and the names and location of all surface waters of the State of Ohio that receive discharges from those outfalls has been completed. The Public Works Department has information regarding the location of the Township's outfalls.

Measurable Goal(s)/Schedule: Jackson Township had a contract with Stark County Regional Planning Commission for a 5-year completion of the storm sewer mapping. This map has been completed and will be regularly updated. Jackson Township will be responsible for the updates. Jackson Township entered into an agreement on December 12, 2017 with Stark County RPC to complete Storm Water Easement Mapping Project and will assist and monitor the progress of Stark County RPC in preparing an inventory of storm water easements for Jackson Township.

HSTS List and Map

Description/Rationale: The required list and mapping of all on-site sewage disposal systems connected to discharge to the Township's MS4s has been completed within five years. Coordination with the Stark County Health Department will take place, since it is the Health Department that has records of HSTS and oversees the installation and proper functioning of them. By utilizing sanitary sewer maps, certain portions of the Township can be eliminated from determining the inventory of HSTS locations.

Measurable Goal(s)/Schedule: Progress on completing the list and map has been completed.

Correcting Failing Septic Systems

Description/Rationale: When failing septic systems are found, either by visual inspection and reported by a citizen or Township employee, the Township contacts the Stark County Health Department who works with the owner of the septic system to correct the problem so that illicit discharges do not flow into MS4s.

Measurable Goal(s)/Schedule: The number of failing septic systems and the procedures taken to correct them will be documented as part of the annual reports.

Identifying Illicit Connections

Description/Rationale: Visual inspections are continuously performed as part of the Public Works Department's daily operations, especially during drainage inspections or through service requests called in by residents. The Stark County Sanitary Engineer's Office has a camera available for use to view storm sewer systems, especially those that are too small or unclear as to where they drain. Occasionally, when dry weather flows are encountered, the camera is utilized. It records the findings for proof of illegal/illicit connections.

Regardless of the nature of the illicit connection, the Stark County Health Department is called in. Various means of testing is performed to identify the source and the illicit discharge itself. Similar to the "Correcting failing septic systems" BMP, the Health Department – and/or sometimes OEPA - ensures that the problem is corrected. When necessary, appropriate enforcement actions are taken by working through the Stark County Prosecutor's Office. Records of illicit discharges encountered are kept with the Stark County Health Department.

All homeowners with an Aerobic Treatment Unit (A.T.U.) are required to have a current service contract and maintain a contract for the life of the system. In addition to the required service, samples shall be collected by the registered service provider and tested by an accredited laboratory to determine compliance with any applicable NPDES standards. Copies of test results shall be submitted to the Stark County Health Department along with a report demonstrating that the system is functioning properly.

Measurable Goal(s)/Schedule: The number of illicit connections found and corrected will be tracked.

Recreational Sewage Control

Description/Rationale: Restrooms in North Park and South Park are cleaned on a daily basis and are on the Stark County sanitary sewer system. Stark County controls the discharge. The Old South Park restroom is on a septic system consisting of two 1,000 gallon tanks and approximately 600 feet of leach lines. The Stark County Health Department issues an annual semi-public sewage operation permit for the septic.

In addition, 12 to 15 porta-jons are used throughout the park system. The porta-jons are provided by a septic company that cleans and monitors each unit and removes waste in accordance with the Stark County Health Department regulations.

Measurable Goal(s)/Schedule: The park maintenance and grounds foreman will monitor the septic operation and have the system pumped as needed. A septic cleaning contractor is used to remove the waste and to document the cleaning and removal.

MCM 4: Construction Site Stormwater Runoff Control

Construction of commercial sites and subdivisions in Jackson Township fall under the County's Subdivision Regulations and Storm Water Quality Regulations, and the township's zoning regulations. Site plans are reviewed by the Regional Planning Commission and are required to address erosion control and storm water management issues. The township zoning regulations dictate the types of development that can occur within certain portions of the township, and contain specific provisions such as open space requirements. Jackson Township has an MOU in effect with Stark County Soil & Water Conservation District. Stark County Storm Water QUALITY Regulations and MOU between Jackson Township and Stark County SWCD attached.

The township Public Works Department assists in this measure by providing dust control when necessary with water controls in street sweepers, cleaning out sediment traps in catch basins, general inspections and alertness, good housekeeping, etc. Proper education on construction site runoff control will help cut down on the pollutant parameters concerning TMDL's of Nutrients, Habitat, Bacteria, and TSS in the Nimishillen and Tuscarawas Watersheds.

MCM 4: Construction Site Stormwater Runoff Control		
Required BMP	Schedule and Measurable Goal	Responsible Party
Ordinance or Other Regulatory Mechanism – Stark County Soil and Water Conservation District will continue to review and revise and/or update the existing Stark County Storm Water Quality Regulations to ensure compliance with MCM 4 of the permit.	Implement the Stark County Storm Water Quality Regulations. Annual or more often as needed.	Stark County Soil & Water Conservation District (MOU)
Sediment and Erosion Control Requirements – Stark County Soil and Water Conservation District will continue to review SWPPP's to ensure compliance with the Stark County Storm Water Quality Regulations.	Review all SWPPP's for any site that will disturb 1-acre of soil or less or if it is part of a larger common plan of development or sale. As required.	Stark County Soil & Water Conservation District (MOU)
Complaint Process – Stark County Soil and Water Conservation District will address all complaints received pertaining to erosion and sediment control of regulated projects.	Respond to each complaint received pertaining to erosion/sediment control in accordance with the established complaint procedure. On-	Stark County Soil & Water Conservation District (MOU)

		going.	
Site Plan Review Procedures – Stark County Soil and Water Conservation District will review site plans/construction plans, Storm Water Pollution Prevention Plans, and post construction Long Term Maintenance Plans for compliance with SCSWQ.		Preview preliminary site plans and SWPPPs to ensure compliance with the Stark County Storm Water Quality regulations. On-going.	Stark County Soil & Water Conservation District (MOU)
Site Inspection Procedures – Stark County Soil and Water Conservation District will inspect active construction sites utilizing the established inspection check list.		Inspect sites that disturb 1-acre of soil or less if it is part of a larger common plan of development. On-going.	Stark County Soil & Water Conservation District (MOU)
Enforcement Procedures – Stark County Soil and Water Conservation District will send violation letters for each non-compliant site detailing the deficiencies.		Enforce non-compliant sites in accordance with the Stark County Storm Water Quality Regulations. If deficiencies are not addressed by the developer, follow the procedures in the Stark Regulations. As needed.	Stark County Soil & Water Conservation District, Jackson Township, and Stark County Prosecutor (MOU)
Enhanced BMP	TMDL Applicability	Schedule and Measurable Goal	Responsible Party
Require on-site protected areas to be physically marked in the field prior to commencement of earth disturbing activities.	Addresses Nimishillen and Tuscarawas Watersheds TMDL recommendations for TSS/sediment, nutrients, bacteria, habitat.	MOU with Stark County Soil and Water Conservation District for Technical Assistance. On-going.	Stark County Soil & Water Conservation District (MOU)

<p>Inspection of active construction sites utilizing the SWCD established inspection check list. Active construction sites are inspected bi-monthly. Monthly inspections are the minimum. Idle sites are inspected monthly until notified. Non-compliant sites are inspected weekly.</p>	<p>Addresses Nimishillen and Tuscarawas Watersheds TMDL recommendations for TSS/sediment, nutrients, bacteria, habitat.</p>	<p>MOU with Stark County Soil and Water Conservation District for Technical Assistance. On-going.</p>	<p>Stark County Soil & Water Conservation District (MOU)</p>
<p>Control of soil material, both mineral and organic, during soil disturbing activity to prevent it transport out of the disturbed area by means of wind, water, ice or gravity.</p>	<p>Addresses Nimishillen and Tuscarawas Watersheds TMDL recommendations for TSS/sediment, nutrients, habitat.</p>	<p>Follow the regulated activities in the Stark County Storm Water Quality Regulations Section III, F.</p>	<p>Stark County Soil & Water Conservation District (MOU)</p>

MCM 5: Post-Construction Stormwater Management in New Development and Redevelopment

As with “Construction Site Storm Water Runoff Control”, this measure also falls under the Stark County Subdivision Regulations and Storm Water Quality Regulations, and the township’s zoning regulations. Certain long-term and permanent BMPs, such as detention/retention basins, are required through county regulations to prevent or minimize water quality impacts from new development and redevelopment projects.

The township ensures that drainage plans for proposed developments under county authority have been approved pursuant to the subdivision regulations prior to zoning permits being issued. The Jackson Township Zoning Department retains copies of the Stark County Regional Planning Commission (SCRPC) approval letter in the appropriate project file. This letter is a prerequisite for obtaining a zoning permit for all activities under the purview of the SCRPC. Jackson Township has an MOU in effect with Stark County Soil & Water Conservation District.

Jackson Township adopted a Riparian Areas ordinance in the Jackson Township Zoning Resolutions on 6-21-12. A copy is included in the SWMP Appendix. It directly addresses TMDL’s of Nutrients, Habitat, Bacteria, and TSS in the Nimishillen and Tuscarawas Watersheds,

Proper education on post-construction storm water management in new developments and redevelopments will help cut down on the pollutant parameters concerning TMDL’s in the Nimishillen and Tuscarawas Watersheds,

MCM 5: Post-Construction Stormwater Management in New Development and Redevelopment		
Required BMP	Schedule and Measurable Goal	Responsible Party
Ordinance or Other Regulatory Mechanism – Stark County Soil and Water Conservation District will review the Stark County Storm Water Quality Regulations yearly and update as required or needed.	Implement the Stark County Storm Water Quality Regulations. Annual or more often as needed.	Stark County Soil & Water Conservation District (MOU)
Sediment and Erosion Control Requirements – Stark County Soil and Water Conservation District will review SWPPs to ensure compliance with the Stark County Storm Water Quality Regulations.	Review all SWPPs for any site that will disturb 1-acre of soil or less or if it is part of a larger common plan of development or sale. As required.	Stark County Soil & Water Conservation District (MOU)

<p>Complaint Process – Stark County Soil and Water Conservation District will respond to each complaint received that pertains to erosion and sediment control matters by phone call, site visit, letter, or combination thereof.</p>	<p>Respond to each complaint received pertaining to erosion/sediment control in accordance with the established complaint procedure. As needed/on-going.</p>	<p>Stark County Soil & Water Conservation District (MOU)</p>	
<p>Site Plan Review Procedures – Stark County Soil and Water Conservation District will review plans and send comments or approvals to the involved developer/designer.</p>	<p>Review preliminary site plans and SWPPPs to ensure compliance with the Stark County Storm Water Quality regulations. On-going.</p>	<p>Stark County Soil & Water Conservation District (MOU)</p>	
<p>Site Inspection Procedures – Stark County Soil and Water Conservation District will inspect active construction sites utilizing the established inspection check list.</p>	<p>Inspect sites that disturb 1-acre of soil or less if it is part of a larger common plan of development. On-going</p>	<p>Stark County Soil & Water Conservation District (MOU)</p>	
<p>Enforcement Procedures – Stark County Soil and Water Conservation District will send violation letters for each non-compliant site detailing the deficiencies. When deficiencies are not addressed by the developer, follow the procedures in the regulations.</p>	<p>Enforce non-compliant sites in accordance with the Stark County Storm Water Quality Regulations. Follow the enforcement procedures in the Stark County Storm Water Quality Regulations. As needed</p>	<p>Stark County Soil & Water Conservation District (MOU), Jackson Township, and Stark County Prosecutor</p>	
<p>Enhanced BMP</p>	<p>TMDL Applicability</p>	<p>Schedule and Measurable Goal</p>	<p>Responsible Party</p>

<p>Enforce our riparian area legislation.</p>	<p>Addresses Nimishillen and Tuscarawas Watersheds TMDL recommendations for TSS/sediment, nutrients, bacteria, habitat.</p>	<p>Continue to enforce Jackson Township's riparian area legislation passed on 6-21-12.</p>	<p>Stark County Soil & Water Conservation District (MOU) and Jackson Township.</p>
<p>Require soil preservation and post-construction soil restoration. Section III, I. – Performance Standards.</p>	<p>Addresses <i>Nimishillen and Tuscarawas</i> TMDL recommendations for flow and habitat.</p>	<p>Follow procedures in Section III, I. – Performance Standards in the Stark County Storm Water Quality Regulations.</p>	<p>Stark County Soil & Water Conservation District (MOU)</p>
<p>Require stormwater management for all commercial and industrial site development.</p>	<p>Addresses <i>Nimishillen and Tuscarawas</i> TMDL recommendations for TSS/sediment, nutrients, habitat.</p>	<p>Follow procedures in the Stark County Storm Water Quality Regulations.</p>	<p>Stark County Soil & Water Conservation District (MOU)</p>

MCM 6: Pollution Prevention/Good Housekeeping for Municipal Operations

This measure affects the township's Public Works Department more than any other department in the Township. The Public Works Department maintains all of Jackson Township's streets and therefore its MS4s. Many BMPs are already being implemented for this measure. The Public Works Director is in charge of the Public Works Department and is generally in charge of coordinating and managing the BMPs that satisfy this measure, unless otherwise specifically stated.

Floor drains in the Township Garage empty into an oil/water separator that is monitored and pumped as needed.

Jackson Township has developed and put in place a Highway Maintenance Facility Municipal Operations Pollution Prevention and Good Housekeeping Manual, Park Maintenance Building Municipal Operations Pollution Prevention and Good Housekeeping Manual, Highway/Maintenance Facility Spill Prevention and Emergency Response Plan, and Park Maintenance Building Spill Prevention and Emergency Response Plan. These plans are reviewed yearly. These plans are kept on file at each facility and in the offices of the Public Works Director, Assistant Public Works Director, Central Maintenance Foreman, Park Mtce & Grounds Foreman.

MCM 6: Pollution Prevention/Good Housekeeping for Municipal Operations Program		
Required BMP	Schedule and Measurable Goal	Responsible Party
<p>Road Salt Application and Storage. Continue to use salt sensibly to achieve a safe and acceptable road conditions. Educate and monitor drivers to salt sensibly and value the potential harm to the roadside and drainage.</p> <p>Salt is stored under roof year-round at the Public Works Department Maintenance Facility.</p>	<p>The quantity of salt applied to roadways will be tracked and will follow recommended application rates. Continue to equip trucks with latest salt & material distribution electronic control equipment and train divers in this usage. Winter season</p>	<p>Public Works Director</p> <p>Central Maintenance Foreman</p> <p>Park Mtce & Grounds Foreman</p>
<p>Pollution prevention and good housekeeping manuals have been implemented at the park maintenance building, and highway/maintenance facility.</p>	<p>Annual training to employees on good housekeeping,</p>	<p>Public Works Director</p> <p>Central</p>

Municipal Storm Water Program Best Management Practices	identification of problems and clean-up of spills. Annual review of manuals for updates.	Maintenance Foreman Park Mtce & Grounds Foreman	
Employee training is provided by the EPA, Joint Solid Waste District, Stark County Soil & Water, Stark County Health Department, and other sources that appear necessary for daily operations.	To provide technical guidance and resources on all BMP's necessary for daily work requirements. Annual training	Public Works Director Central Maintenance Foreman Park Mtce & Grounds Foreman	
Enhanced BMP	TMDL Applicability	Schedule and Measurable Goal	Responsible Party
Street sweeping practices and program on municipal streets and assign proper storage and disposal methods for wastes.	Addresses Nimishillen and Tuscarawas TMDL recommendations for TSS/sediment, nutrients, and bacteria.	The percent of streets swept per year will be tracked. Sweepings are covered and hauled to a landfill as necessary. On-going.	Public Works Director
Control and monitor fertilizer, pesticide, and herbicide usage on township owned properties.	Addresses Nimishillen and Tuscarawas TMDL recommendations for nutrients.	Continue education and the use of organic materials on Township owned properties. Soil samples will be monitored and deficiencies in the soil will be corrected. Guidelines from the Department of Agriculture will be followed. Growing season	Public Works Director Park Mtce & Grounds Foreman

Public Works Department Road Kill Program	Addresses Nimishillen and Tuscarawas TMDL recommendations for bacteria.	Road kill is properly disposed of at the landfill that is licensed at accept. As needed /ongoing activity.	Public Works Director
---	---	---	--------------------------

Other Individual Best Management Practices that will be used:

Automobile Maintenance

Description/Rationale: The Central Maintenance Department manages the maintenance of all township vehicles and equipment. Many fluids are recycled and reused.

Measurable Goal(s)/Schedule: The amount of recycled fluids will be tracked.

Vehicle Washing

Description/Rationale: Wash water from township vehicles drains into oil/water separator and pumped by licensed haulers. The waste is then taken to a designated facility for proper disposal that is tracked

Measurable Goal(s)/Schedule: The number of times holding tanks are pumped will be tracked. Documentation is kept on file by the Public Works Department and Central Maintenance Foreman.

Parking Lot and Street Cleaning

Description/Rationale: To prevent buildup on streets and parking lots, the Township operates one Elgin street sweepers with water for dust control. Materials picked up are emptied into a compost pile, aerated, under shelter, and disposed of as needed.

Measurable Goal(s)/Schedule: The percent of streets swept per year will be tracked. One Elgin sweeps all streets. Sweepings are currently covered and hauled to a landfill as necessary. We are waiting on the EPA documents on reuse of sweeping material. A new shelter was built in 2012 to cover topsoil and gondolas and other materials. Our street sweeping practices address our *Nimishillen and Tuscarawas* TMDLs for TSS/sediment, nutrients, and bacteria.

Road and Bridge Maintenance

Description/Rationale: Bridge maintenance is the responsibility of the Stark County Engineer. Road maintenance is a continuous obligation of the Township's Public Works Department. This consists of signage, drainage maintenance, road surface repair and maintenance, and resurfacing. Public Works Department employees are trained in practices such as street sweeping, storm system cleaning, erosion control techniques, and proper application of road salt.

Measurable Goal(s)/Schedule: This is an ongoing practice.

Storm Drain System Cleaning

Description/Rationale: Storm sewer systems and catch basins are cleaned on an as-needed basis. Materials removed are stored under shelter until used as fill or, if contaminated, taken to a landfill. Catch basins are checked twice a year (spring and late fall) to ensure that grates are open. Periodic inspections are done during storms. Maintenance is performed by hand or with a vacuum truck.

Measurable Goal(s)/Schedule: The footage of storm sewers cleaned and the number of catch basins cleaned will be tracked. Our catch basin cleaning program address our *Nimishillen and Tuscarawas* TMDLs for TSS/sediment, nutrients, and bacteria.

Hazardous Materials Storage

Description/Rationale: The Township provides safety rated steel storage lockers for hazardous materials that are safety rated. Also, Material Safety Data Sheets (MSDS) are kept on products and provided for the Fire Department for review.

Measurable Goal(s)/Schedule: This is an ongoing practice.

Road Salt Application and Storage

Description/Rationale: Depending on temperature, snowfall, and roadway conditions, salt application is controlled by spinner spreaders, as regulated by the operators. This is done as-needed. Salt is stored under roof year-round at the Public Works Department Maintenance Facility.

Measurable Goal(s)/Schedule: The quantity of salt applied to roadways will be tracked. All trucks are equipped with storm guard electronic spreader controls.

Spill Response and Prevention

Description/Rationale: The Jackson Township Fire Department responds to hazardous spills and uses spill containment equipment when necessary. If required, the Stark County HazMat Team is called. All gas dispensers used by the Public Works Department are safety-type with spring handles.

Measurable Goal(s)/Schedule: The number of spills reported will be tracked.

Used Oil Recycling

Description/Rationale: Used oil from township vehicles is removed from 500-gallon storage tanks about two times per year. The Parks & Recreation Division has one 55-gallon recycling drum for oil.

Measurable Goal(s)/Schedule: The quantity of recycled used oil will be tracked.

Materials Management

Description/Rationale: Only the minimum required amounts of materials needed are kept on hand. These materials are kept either under cover or in designated areas pertaining to their use. Some materials are kept in OSHA-approved fire safety lockers. Cleaning fluids are recycled by Safety Clean Company every six weeks. Used oil filters are removed by Akron/Canton Waste two times per year.

Measurable Goal(s)/Schedule: This is an ongoing practice

Employee Training

Description/Rationale: Public Works Department employees attend monthly safety meetings and one-day seminars put on by OTEC, training provided by fire departments, various sessions by product manufacturers and engineers, and other types of training. The Township also provides employee training in preventative maintenance, internal reporting, and other day-to-day operations. Park employees are also trained in areas such as proper fertilization techniques, disposition of fluids, etc.

Measurable Goal(s)/Schedule: Jackson Township will require newly hired employees to attend an annual training seminar conducted by the SWCD and others to educate township employees on the NPDES Phase II Program and steps that can be taken to address storm water runoff pollution from township operations. The number of new employees attending seminars will be documented.

Best Management Practices Manuals were completed in 2011.

Record Keeping/Material Inventory

Description/Rationale: Daily work orders and telephone logs are dated and kept on file. Annual reports show the number of hours spent by employees on drainage and other roadway maintenance. It also documents amounts of materials used such as asphalt and salt. The Township keeps all service call reports once the work is completed. Maintenance records and salt-use records are kept in the Public Works Department.

The Central Maintenance Division maintains records of testing and disposal of wastes from the holding tank in the garage.

Measurable Goal(s)/Schedule: All applicable information from records will be reported in Phase II annual reports.

Visual Inspections

Description/Rationale: Visual inspections of the Township's roadways and drainage systems are an ongoing process by residents, staff, public works department, the police department, and the fire department. The Public Works Director inspects all roads twice a year (early winter and spring) for the upcoming year's paving program. Daily park inspections are performed and reviewed on a weekly basis by the Park Maintenance and Grounds Foreman. Work orders are given to correct any problems that arise. Inspection sheets are kept on file in the park maintenance and grounds foreman's office. Quarterly and annual inspections of the Highway Maintenance Facility and Park Maintenance Buildings are performed and are on file in the Central Maintenance Department.

Measurable Goal(s)/Schedule: This is an ongoing process.

Landscaping and Lawn Care

Description/Rationale: Two park employees are licensed to apply lawn maintenance chemicals. Mostly organic material is used for top dressing. All chemicals that are applied are recorded in the Pesticide Application Book and kept on file.

Measurable Goal(s)/Schedule: The types and amounts of chemicals applied will be documented.

Septic System Controls

Description/Rationale: There is currently one township building with a septic system. The system is monitored by on-site employees as well as the Township Building Maintenance and Supplies Coordinator. Problems are reported to the Central Maintenance Foreman and licensed contractors take appropriate actions.

Measurable Goal(s)/Schedule: Any actions taken throughout the year addressing the septic system will be documented.

Trash Management – Public Works Department

Measure(s): Public Involvement/Participation, Illicit Discharge Detection and Elimination, Pollution Prevention/Good Housekeeping for Municipal Operations

Description/Rationale: The Township Public Works Department continuously monitors and picks up trash along roadways. It is stored under shelter until disposed of by transporting it to a landfill.

Measurable Goal(s)/Schedule: The number of participants picking up trash along roadways varies.

Trash Management – Parks & Recreation Division

Measure(s): Public Involvement/Participation, Illicit Discharge Detection and Elimination, Pollution Prevention/Good Housekeeping for Municipal Operations

Description/Rationale: Jackson Township Parks & Recreation Division currently has 105 trash cans in the parks system that are strategically placed and emptied as needed. Section 101.09 in the parks' rules and regulations states that no person shall dump rubbish, garbage, litter, refuse, or debris of any kind within any area of the park except in such places and within such receptacles as are provided therefore. Litter in water bodies is removed as needed.

Measurable Goal(s)/Schedule: This is an ongoing activity.

Catch Basin Messages

Measure(s): Public Education and Outreach on Storm Water Impacts, Pollution Prevention/Good Housekeeping for Municipal Operations

Description/Rationale: Catch basins/storm inlets that the Public Works Department will install or work on will contain messages on them saying “Do Not Dump – Drains to Stream”, or something similar. The messages will remind people that what drains into catch basins does not get treated and also prevent them from dumping illicit discharges into the catch basins. Placard/decals “No Dumping Drains to Waterways” are being installed on catch basins by allotments and right-of-ways with these locations being tracked.

Measurable Goal(s)/Schedule: The number of catch basins containing the message will be tracked.

Yard Waste Disposal

Measure(s): Public Involvement/Participation, Pollution Prevention/Good Housekeeping for Municipal Operations

Description/Rationale: The Township provides a drop-off location for yard waste debris. The Township also provides curbside pickup of fall leaves in November. Allowable disposals must use recyclable paper bags (no plastic). Debris is trucked on a regular bases, and hauled away.

Measurable Goal(s)/Schedule: The amount of debris collected will be tracked.

Annual Cleanup Day

Measure(s): Public Involvement/Participation, Pollution Prevention/Good Housekeeping for Municipal Operations

Description/Rationale: The Township participates in a yearly cleanup day in the spring. Students provide labor for cleanup of areas such as the canal and for litter collection along roadways and in retail areas.

Measurable Goal(s)/Schedule: The amount of debris collected will be tracked.

Recycling Program

Measure(s): Public Education and Outreach on Storm Water Impacts, Public Involvement/Participation

Description/Rationale: Recycling helps to cut down on trash that otherwise could end up in local water bodies as pollutants. The Jackson Recycling Board continues to research and apply for grant money from the Stark-Tuscarawas-Wayne Joint Solid Waste Management District to operate the Township’s recycling station. This station is open to the public Monday through Saturday. Residents can bring aluminum cans, plastics, cardboard, paper, and certain types of glass. Information on the program and education about recyclables is provided through the

“Jackson Township Newsletter” and regional means of communication. Local school students, through various clubs, athletic leagues, and school organizations volunteer to work at the recycling station.

Measurable Goal(s)/Schedule: The amount of recycled materials will be tracked.

Illegal Dumping Control

Measure(s): Public Education and Outreach on Storm Water Impacts, Illicit Discharge Detection and Elimination, Pollution Prevention/Good Housekeeping for Municipal Operations.

Description/Rationale: The illegal dumping of garbage and other unwanted materials can have detrimental effects on local water bodies. “No Dumping” signs are installed in high risk dumping areas throughout the Township. Cleanup is usually provided through the Public Works Department which disposes the material in a gondola. The gondola is emptied as necessary in landfills.

Measurable Goal(s)/Schedule: This is an ongoing practice.

Assistance in Overall Program Management

Measure(s): Construction Site Storm Water Runoff Control, Post Construction Storm Water Management in New Development and Redevelopment

Description/Rationale: Assistance in the overall management of these measures is provided by the township in ways such as: general alertness and inspection of the temporary and permanent BMPs and their effectiveness, and communicating and coordinating with residents and proper authorities regarding plan review and approval, complaints, concerns, and future needs.

Measurable Goal(s)/Schedule: This is an ongoing activity.

Zoning Regulations

Measure(s): Construction Site Storm Water Runoff Control, Post-Construction Storm Water Management in New Development & Redevelopment

Description/Rationale: The Jackson Township Zoning Resolution requires all construction to be carried out in compliance with other applicable Federal, State, or local regulations. As part of the township zoning permit process, commercial, industrial, and residential developments are required to comply with the Stark County Water Quality Control Regulations, as administered by the Stark Soil and Water Conservation District (SWCD). Compliance is monitored by the SWCD. The township receives a copy of the monitoring report and is notified of any non-compliance.

Jackson Township will consider other procedures to enhance coordination with the SWCD and promote compliance with county compliance. Such measures may include providing additional information regarding county soil erosion regulations to property owners, developers, and contractors regarding soil disturbing activities. In addition, the zoning permit and/or application were revised to include a statement concerning compliance with applicable Stark County Water Quality Control Regulations as required.

Road Kill Disposal

Measure(s): Illicit Discharge Detection and Elimination, Pollution Prevention/Good Housekeeping for Municipal Operations

Description/Rationale: The Public Works Department picks up road kills and properly disposes of them at a landfill. "Clean up after your pets" signs are posted in parks. Cleanup gloves are also available near the signs.

Measurable Goal(s)/Schedule: This is an as needed/ongoing activity

Review and Update of the Stormwater Management Program

Jackson Township performs an annual review of our SWMP in conjunction with preparation of the annual report to Ohio EPA. Any proposed additions to the SWMP during the life of the permit are made upon written notification to Ohio EPA. Changes replacing an ineffective or infeasible BMP specifically identified in the SWMP with an alternate BMP are requested of Ohio EPA according to the procedure outlined in accordance with Part V.G of the MS4 Permit #OHQ000003 and include the following information:

1. An analysis of why the BMP is ineffective or infeasible (including cost prohibitive),
2. Expectations on the effectiveness of the replacement BMP, and
3. An analysis of why the replacement BMP is expected to achieve the goals of the BMP to be replaced.

Unless specifically denied by Ohio EPA, the requested changes proposed in accordance with the criteria above shall be deemed approved and may be implemented 60 days from submittal of the request.

Evaluating, Record Keeping and Reporting

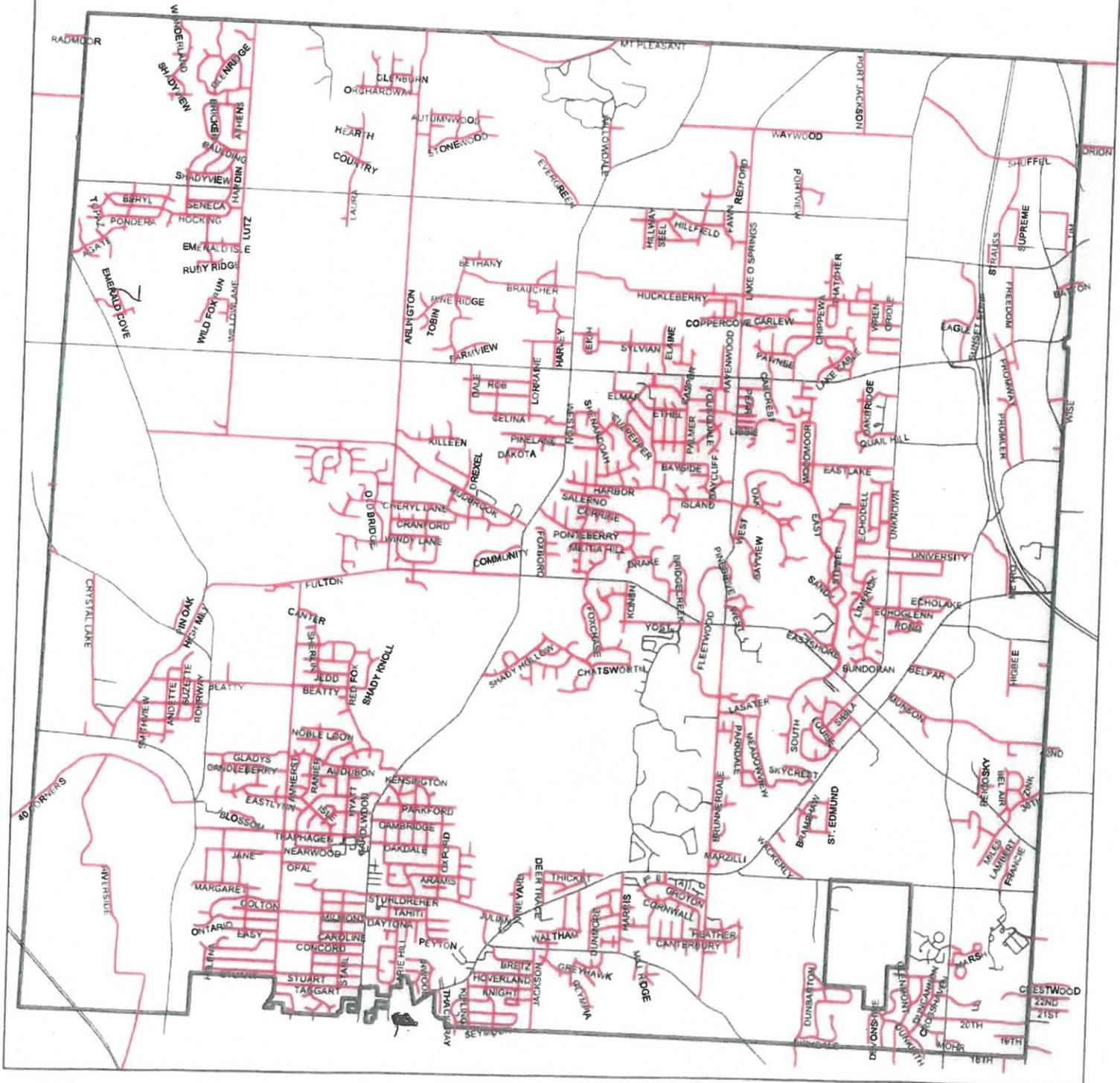
Through the procedures established in each MCM rationale, we evaluate our program compliance, the appropriateness of identified BMPs, and progress toward achieving identified measurable goals and satisfying the performance standards. We retain copies of all reports and documentation required by Part IV.B.1 of the MS4 Permit #OHQ000003 and will retain and make our required documentation accessible to the public if requested to do so in writing according to Part IV.B.2 of the MS4 Permit OHQ000003. For the 5-year term of the permit, yearly reports are prepared detailing the progress of our community in meeting the measurable goals of the program using the reporting forms provided by Ohio EPA. Reports are filed annually in accordance with the requirements of Part IV.C of the MS4 Permit #OHQ000003.

Appendices

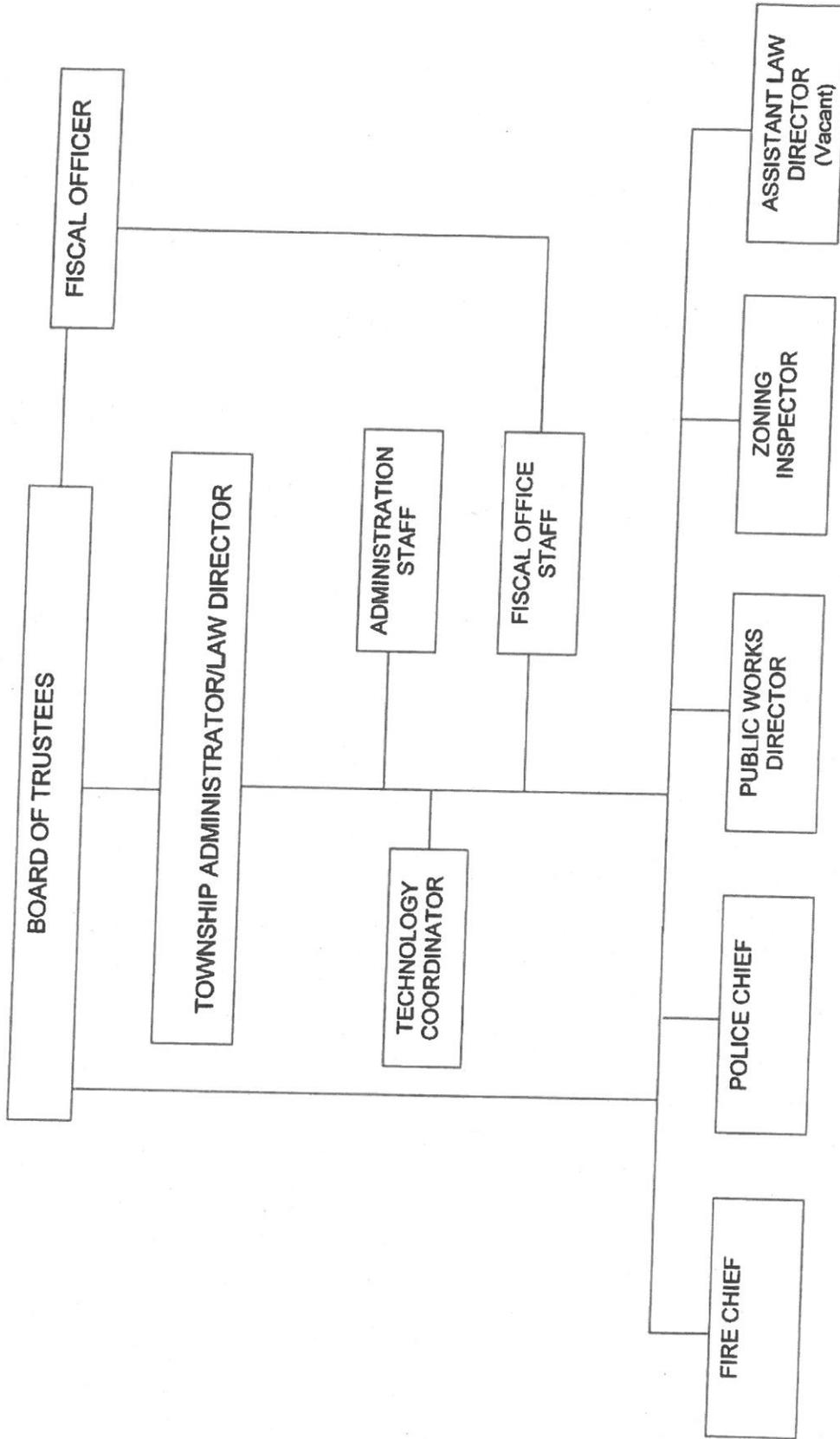
JACKSON TOWNSHIP URBANIZED AREA MAP



- jackson roads twp
- all jackson roads
- jackson
- Akron_Canton_Urban_Area



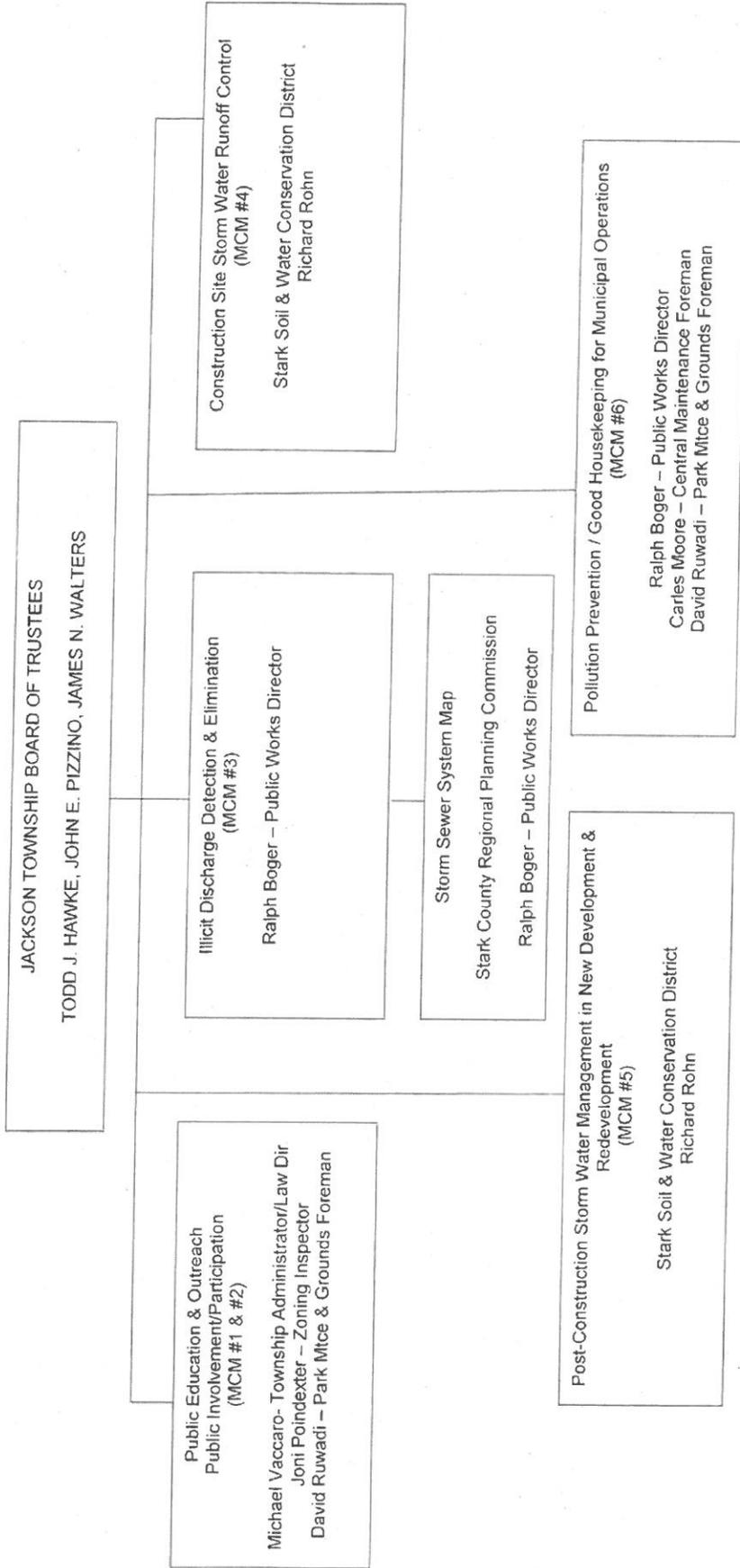
JACKSON TOWNSHIP ORGANIZATIONAL CHART



Approved: 2/23/16

JACKSON TOWNSHIP
NPDES Phase 2 Storm Water Program

Table of Organization



NAMES AND CONTACT INFORMATION

Jackson Township Board of Trustees

Todd J. Hawke, President
John E. Pizzino, Vice-President
James N. Walters, Trustee
5735 Wales Avenue NW
Massillon, OH 44646
330-832-7416

Jackson Township

Michael Vaccaro, Township Administrator/Law Director
Joni Poindexter, Zoning Inspector
Ralph Boger, Public Works Director
Charles Moore, Central Maintenance Foreman
David Ruwadi, Park Mtce & Grounds Foreman
5735 Wales Avenue NW
Massillon, OH 44646
330-832-7416

Stark Soil & Water Conservation District

Richard Rohn, Urban Program Specialist
2650 Richville Drive SW, #103
Massillon, OH 44646
330-830-7700

Public Education & Outreach (MCM #1)
Public Involvement / Participation (MCM #2)

JACKSON TOWNSHIP BOARD OF TRUSTEES

TODD J. HAWKE, JOHN E. PIZZINO, JAMES N. WALTERS

Michael Vaccaro
Township Administrator/Law Director

Jackson Township Newsletter

Jackson Township Website/Facebook

P.I.P.E. Committee

Rain Barrel Education

SWCD – Educational Programs

Community Hotline

Ralph Boger
Public Works Director

Storm Water Quality Management

Intergovernmental Coordination

Comprehensive Plan

Construction Site

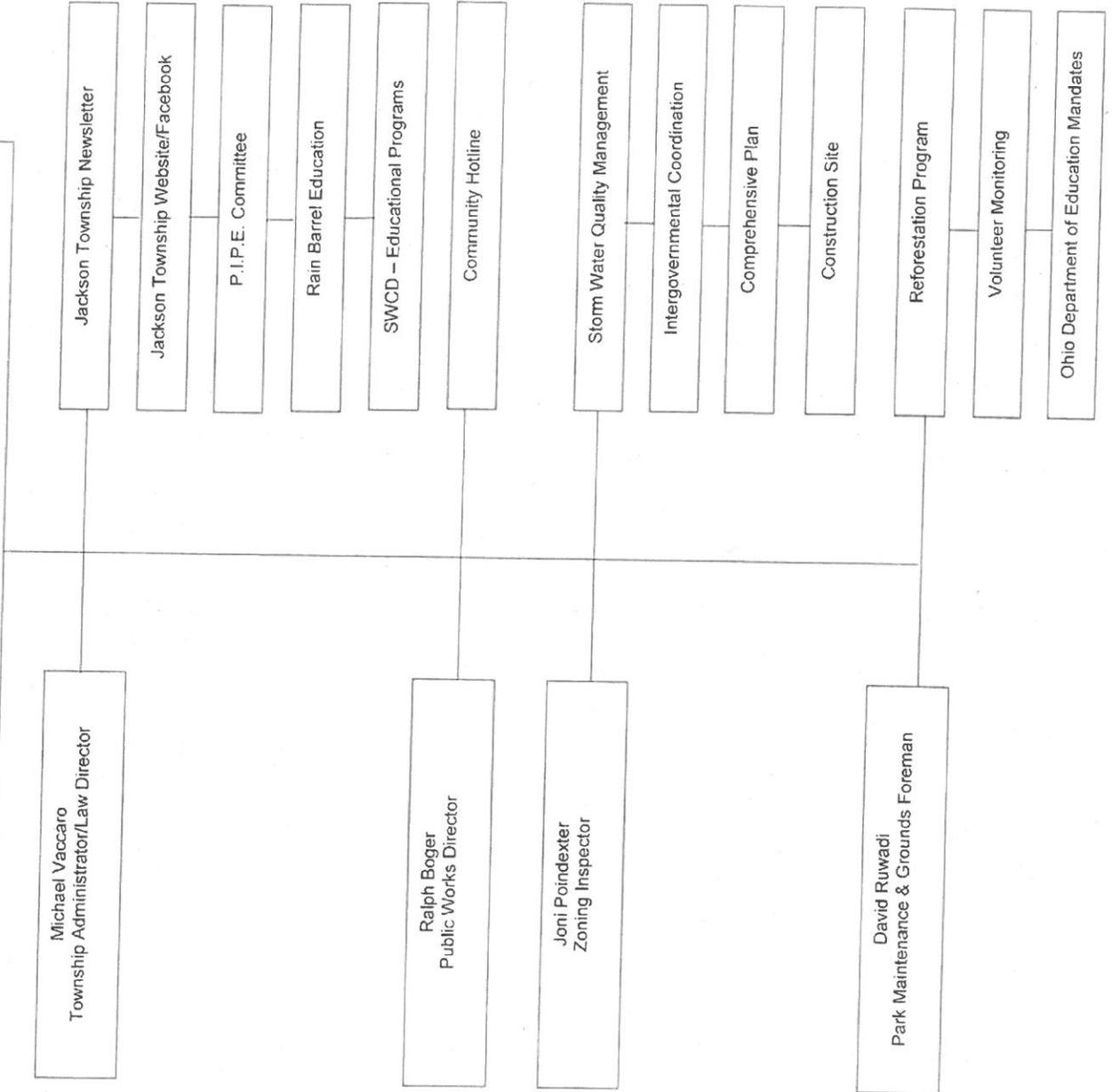
Joni Poindexter
Zoning Inspector

Reforestation Program

Volunteer Monitoring

Ohio Department of Education Mandates

David Ruwadi
Park Maintenance & Grounds Foreman



Illicit Discharge Detection & Elimination (MCM #3)

JACKSON TOWNSHIP BOARD OF TRUSTEES
TODD J. HAWKE, JOHN E. PIZZINO, JAMES N. WALTERS

Ralph Boger
Public Works Director

Ordinance or Other Regulatory Mechanism
(Jackson Township Illicit Discharge Detection and
Elimination Resolution)

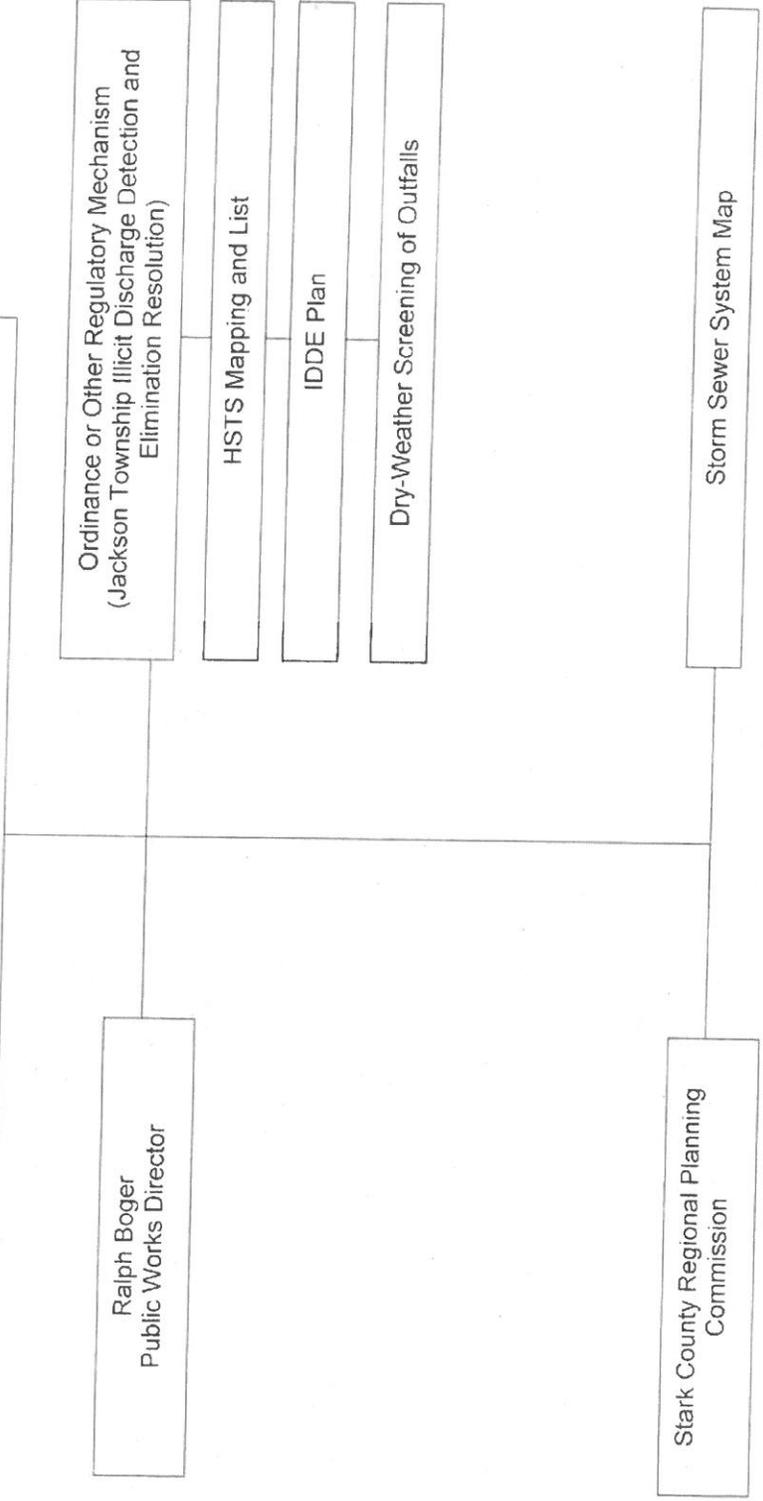
HSTS Mapping and List

IDDE Plan

Dry-Weather Screening of Outfalls

Stark County Regional Planning
Commission

Storm Sewer System Map



Construction Site Storm Water Runoff Control (MCM #4)

JACKSON TOWNSHIP BOARD OF TRUSTEES
TODD J. HAWKE, JOHN E. PIZZINO, JAMES N. WALTERS

Stark County Soil & Water
Conservation District

Ordinance or Other Regulatory Mechanism

Sediment and Erosion Control Requirements

Complaint Process

Site Plan Review Procedures

Site Inspection Procedures

Enforcement Procedures

Post - Construction Storm Water Management in New Development and Redevelopment (MCM #5)

JACKSON TOWNSHIP BOARD OF TRUSTEES
TODD J. HAWKE, JOHN E. PIZZINO, JAMES N. WALTERS

Stark County Soil & Water
Conservation District

Ordinance or Other Regulatory Mechanism

Post-Construction Requirements

Site Plan Review Procedures

Site Inspection Procedures

Enforcement Procedures

Long-Term O&M Plans/Agreements

Pollution Prevention/Good Housekeeping for Municipal Operations (MCM #6)

JACKSON TOWNSHIP BOARD OF TRUSTEES
TODD J. HAWKE, JOHN E. PIZZINO, JAMES N. WALTERS

Ralph Boger – Public Works Director
Carles Moore - Central Maintenance Foreman
David Ruwadi - Park Mtce & Grounds Foreman

Ralph Boger - Public Works Director
David Ruwadi - Park Mtce & Grounds Foreman.

David Ruwadi - Park Mtce & Grounds Foreman

Ralph Boger – Public Works Director

David Ruwadi - Park Mtce & Grounds Foreman

Employee Training Program

MS4 Maintenance

Disposal of Wastes

Road Salt

Pesticide & Herbicide Usage

Fertilizer Usage

Street Sweeping

Flood Management Projects

CHAPTER 413
RIPARIAN AREAS

413.1	Definitions, as used in this section	413.5	Permitted Uses within Riparian Setbacks
413.2	Purpose	413.6	Prohibited Uses within Riparian Setbacks
413.3	General Requirements	413.7	Non-Conforming Structures or uses in Riparian Setbacks
413.4	Establishment of Riparian Setbacks		

SECTION 413.1 DEFINITIONS, AS USED IN THIS SECTION

1. **DAMAGED OR DISEASED TREES:** Trees that have split trunks, broken tops, heart rot, insect or fungus problems that will lead to imminent death, undercut root system that puts the tree in imminent danger of falling, leaning as a result of root failure that puts the tree in imminent danger of falling, or any other condition that puts the tree in imminent danger of being uprooted or falling.
2. **DESIGNATE WATERCOURSE:** Ohio Erie Canal, Tuscarawas River, Mudbrook Creek, and the Nimisila Creek.
3. **DEVELOPMENT AREA:** Any tract, lot, or parcel of land, or combination of tracts, lots or parcels of land, which are in one ownership, or are contiguous and in diverse ownership, where earth disturbing activity is being performed.
4. **DUMPING:** The grading, pushing, piling, throwing, unloading or placing of soil or other material.
5. **ORDINARY HIGH WATER MARK:** The point of the bank or shore to which the presence and action of surface water is so continuous as to leave a district marked by erosion, destruction or prevention of woody terrestrial vegetation, predominance of aquatic vegetation, or other easily recognized characteristics.
6. **RIPARIAN SETBACK:** This shall mean land adjacent to designated watercourses that if naturally vegetated and/or appropriately vegetated and appropriately sized, limits erosion, reduces flood flows, and/or filters and settles out runoff pollutants, or which performs other functions consistent with the purpose of these regulations.
7. **RIPARIAN SETBACK:** A naturally vegetated area located adjacent to streams and rivers that are intended to stabilize banks and limit erosion.
8. **STREAM BANK OR RIVER BANK:** The ordinary high water mark of the stream or river, otherwise known as the bankfull stage of the stream or river channel. Indicators used in determining the bankfull stage may include changes in vegetation, slope or bank materials, evidence of scouring, and stain lines.
9. **WETLAND:** Those areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances, do support a prevalence of vegetation typically adapted for life in saturated soil conditions, including swamps, marshes, bogs, and similar areas.
10. **WETLAND SETBACK:** An area of undisturbed natural vegetation located adjacent to the perimeter of the wetlands.

Jackson Township Zoning Resolution

SECTION 413.2 PURPOSE

Riparian setbacks control land use activities and new development within certain distances of streams, rivers and creeks. Setting development back maintains the ability of riparian areas to control flooding, limit stream bank erosion, protect habitat, purify ground water, and reduce water pollution.

Riparian setbacks protect structures and reduce property damage and threats to watershed residents while contributing to the scenic beauty and semi-rural character of Jackson Township.

SECTION 413.3 GENERAL REQUIREMENTS

- A. These regulations shall apply to all zoning districts.
- B. The regulations set forth herein shall apply to all buildings, structures, uses, and related soil disturbing activities on a lot containing a designated water course, except as otherwise provided herein.
- C. A designate water course shall be considered as the Tuscarawas River, Ohio Erie Canal, Mudbrook Creek and Nimisila Creek.
- D. No zoning certificate or conditional zoning certificate shall be issued for any building, structure or use on a lot containing, wholly or partly, a designated watercourse except in conformity with the regulations set forth herein.

SECTION 413.4 ESTABLISHMENT OF RIPARIAN SETBACKS

- A. Riparian setbacks shall be measured from the current (what is in existence at the time of filing for a zoning certificate) stream or river bank of a designated watercourse.
- B. Except as otherwise provided in this resolution, riparian setbacks shall be preserved in their natural state.
- C. Where the one hundred year floodplain is wider than the minimum riparian setback on either or both sides of a designated watercourse, the minimum riparian setback shall be extended to include the outermost boundary of the one hundred year floodplain as delineated on the flood hazard boundary map(s) for the attached area provided by Federal Emergency Management Agency (FEMA).
- D. Riparian setbacks on designated watercourses shall be established as follows:
 1. A minimum of 50 feet on each side of the Tuscarawas River.
 2. A minimum of 25 feet on each side of the Mudbrook Creek, Nimisila Creek and Ohio Erie Canal.

SECTION 413.5 PERMITTED USES WITHIN RIPARIAN SETBACKS

Buildings, structures, and uses may be permitted within a riparian setback, subject to approval of an application for a zoning certificate by the Zoning Inspector, if applicable, or conditional zoning certificate by the Board of Zoning Appeals, if applicable, in accordance with the following regulations and such other applicable regulations contained in this Zoning Resolution.

- A. Recreational activity: Passive recreational uses, as permitted such as hiking, fishing, hunting, picnicking, and similar uses.
- B. Removal of Damaged or Diseased Trees: Damaged or diseased trees may be removed.
- C. Re-vegetation and/or Reforestation: Riparian setbacks may be re-vegetated with non-invasive plant species.

Jackson Township Zoning Resolution

- D. Maintenance of lawns, gardens and landscaping: Lawns, gardens and landscaping that existed at the time the ordinance became effective, may be maintained as long as they are not increased in size.
- E. Streambank Stabilization and Erosion Control Measures may be allowed provided such measures are ecologically compatible and substantially utilize natural materials and native plant species where practical. The streambank stabilization and erosion control measures shall only be undertaken upon approval of a Soil Erosion and Sediment Control Plan approved by Stark County Soil and Water Conservation District.
- F. Crossing of designated watercourses and through riparian setbacks by publicly and privately owned roads, drives, sewer and/or water lines and public and private utility transmission lines shall only be allowed upon approval of the US Army Corps of Engineer and/or Ohio EPA. Soil erosive materials shall not be used in making stream crossings.
- G. Construction of fencing shall be allowed with the condition that reasonable efforts be taken to minimize the destruction of existing vegetation, provided that the fence does not impede stream or flood flow, and the disturbed area is replanted to the natural or preexisting conditions before the addition of the fence.
- H. Storm Water Retention and Detention Facilities are permitted subject to other regulations contained in this Zoning Resolution and the regulations enforced by the Stark County Soil and Water Conservation District and the Ohio EPA. Storm water retention and detention facilities shall be located a minimum of fifty (50) feet from the current stream or riverbank of the designated watercourse.
- I. Signs are permitted in accordance with Article V.

SECTION 413.6 PROHIBITED USES WITHIN RIPARIAN SETBACKS

The following buildings, structures, and uses are prohibited within a riparian setback:

- A. Construction: There shall be no buildings, structures, uses, or related soil disturbing activities of any kind except as permitted under these regulations.
- B. Dredging and Dumping: There shall be no drilling, filling, dredging, or dumping of soils, spoils, liquids, yard wastes, or solid materials, except for noncommercial composting of uncontaminated natural materials as permitted under these regulations.
- C. Parking Spaces or Lots and Loading/Unloading Spaces for Vehicles: There shall be no parking spaces, parking lots, loading/unloading spaces, or related soil disturbing activities.
- D. Roads and Driveways: There shall be no roads or driveways except as permitted under these regulations.

SECTION 413.7 NON-CONFORMING STRUCTURES OR USES IN RIPARIAN SETBACKS

- A. A non-conforming use within a riparian setback which is in existence at the time of passage of this regulation, and which is not otherwise permitted under these regulations, may be continued. However, the use shall not be changed or enlarged unless it is changed to a use permitted under these regulations.
- B. A non-conforming accessory structure within a riparian setback which is in existence at the time of passage of this regulation, and which is not otherwise permitted under these regulations, may be continued. However, the existing building footprint or roofline may not

Jackson Township Zoning Resolution

be expanded or enlarged in such a way that would move the structure closer to the stream, river or creek.

- C. A non-conforming structure or use or deteriorated structure within a riparian setback which is in existence at the time of passage of this regulation, and which is discontinued, terminated, or abandoned for a period of two (2) years or more, may not be revived, restored or re-established. This section does not apply to a residence that is vacant and which is not subject to condemnation order by the Stark County Building Department. This section shall also not prohibit ordinary repairs to a residence or residential accessory building that are not in conflict with other provisions in this regulation.
- D. In case of a non-conforming residential structure, minor upgrades to the structure that extend further into the riparian setback may be allowed, such as awnings and pervious decks/patios, provided the modifications do not extend more than ten (10) feet further into the riparian setback than the original foundation of the structure existing at the time of passage of this regulation and provided that the modification will not impair the function of the riparian area nor destabilize any slope or stream bank.