

VILLAGE OF GERMANTOWN
N112 W17001 MEQUON ROAD
GERMANTOWN, WI 53022

MEETING: **PUBLIC WORKS & HIGHWAY COMMITTEE**

DATE AND TIME: **TUESDAY, March 7, 2017 ***5:30 P.M.*****

LOCATION: **Germantown Village Hall Board Room**

- I. **CALL TO ORDER:** This meeting has been given public notice in accordance with Wisconsin Statutes, Section 19.83 and 19.84 in such form that will apprise the general public and news media of subject matter that is intended for consideration and action.
- II. **ROLL CALL:** Chairman Kaminski, Trustees Miller, Warren and Zabel
- III. **APPROVAL OF MINUTES:** February 1, 2017
- IV. **PUBLIC COMMENT:** Please be advised per State Statute Section 19.84(2), information will be received from the public. It is the policy of this municipality that there be a three minute time period, per person, with time extensions per the Chief Presiding Officer's discretion; be further advised that there may be limited discussion on the information received, however, NO ACTION will be taken under public comments.
- V. **NEW BUSINESS:**
 - A. Authorization to Purchase – Lawn Mowers
 - B. Authorization to Purchase – Patrol Truck – Hwy. Dept.
 - C. Authorization to Purchase – Pickup Truck – Hwy. Dept.
 - D. Authorization to Contract – Flooring - Kinderberg Park
 - E. Authorization to Contract – Furnaces – Village Hall
 - F. Authorization to Contract – Fire Suppression Inspection
 - G. Authorization to Repair Roofs – D.P.W. , Police Dept., Bell Museum
 - H. Authorization to Contract – Forestry Services – Wachtel Tree Service
 - I. Discussion/Recommendation – Fire Suppression System – Village Hall
 - J. Award of Contract – Park Avenue Sanitary Sewer
 - K. WPDES & MMSD Chapter 13 Annual Reports
 - L. Request to Adopt Ordinance Revisions – Chapter 27 “Post Construction Stormwater Management”
 - M. Request to Approve \$1,321.48 Contribution to SWEET Water Regional NR216 Education & Outreach Efforts for Village's MS4 Storm Water Permit
- VI. **NEXT MEETING DATE:** Set April, 2017 Meeting Date and Time
- VII. **ANNOUNCEMENTS:**
- VIII **ADJOURNMENT:**

UPON REASONABLE NOTICE, efforts will be made to accommodate the needs of disabled individuals through appropriate aids and services. For additional information or to request this service please contact the Village Clerk at (262)250-4740 at least 2 days prior to the meeting.

*** Notice is given that a majority of the Village Board may attend this meeting to gather information about an agenda item over which they have decision making responsibility. This may constitute a meeting of the Village Board per State ex rel. Badke v. Greendale Village Board, even though the Village Board will not take formal action at this meeting.

PUBLIC WORKS & HIGHWAY COMMITTEE MEETING MINUTES

February 1, 2017
Village Hall Board Room

CALL: Chm. Kaminski called the meeting to order at 5:30 p.m.

ROLL CALL: Chm. Kaminski, Trustee Members Miller, Warren and Zabel. Also present were Director Ratayczak, Engr. Laning and Secretary Wick.

PREVIOUS MINUTES: MOTION made by Warren, seconded by Miller to approve the minutes of December 7, 2016 & January 10, 2017.
Motion carried unanimously.

PUBLIC COMMENT: None

CONSIDERATION OF UTILITY CREDIT – W177 N11527 BLACKSTONE CIRCLE:

An email request was received by James Voigt who looked to the Committee for a sewer bill adjustment due to an outside hose bib that was leaking for approximately one week. Based on Dir. Ratayczak's calculations, it was found that an additional 8,000 gallons over the average was used.

MOTION made by Zabel, seconded by Warren authorizing staff to credit the sanitary sewer portion of \$55.30 of the first quarter 2017 sewer and water bill for the property at W177 N11527 Blackstone Circle.

Mr. Voigt, W177 N11527 Blackstone Circle, had discovered the leak and fully understood he used the water and knowing the water did not go to MMSD he looked to the Village for some sort of credit.

Motion carried unanimously.

AUTHORIZATION TO PURCHASE – PICKUP TRUCK – WATER UTILITY:

Designated Operator Scott Weigand requested authorization to purchase a 2017 Chevy 2500 Pickup Truck for the Water Utility Dept. Three bids were received ranging from \$41,913 to \$44,751. The remaining budgeted funds would be used toward additional equipment and lighting on the truck.

MOTION made by Kaminski, seconded by Warren, to forward to the Village Board with a positive recommendation to authorize the purchase of one Pickup Truck for the Water Utility Department from Ewald Chevy for an amount of \$41,913.00 and allow the remainder of budgeted funds to be used for additional equipment for a total cost not to exceed the budgeted amount of \$45,000.00. Funds to be allocated from Acct. #50-180-185-3920.

Motion carried unanimously.

AUTHORIZATION TO PURCHASE – PICKUP TRUCK – WASTE WATER UTILITY:

Supt. Zimmerman requested authorization to purchase a 2017 Pickup Truck for the Waste Water Utility. Four bids were received ranging from \$33,220 to \$45,883. The new truck will replace Truck #550 (2003 GMC) which will be traded in for \$10,000 and is reflected in the lowest bid

price. The remaining budgeted funds would be used toward additional equipment and lighting on the truck.

MOTION made by Miller, seconded by Warren, to forward to the Village Board with a positive recommendation to authorize the purchase of one Pickup Truck for the Waste Water Utility Department from Ewald Automotive Group for an amount not to exceed \$33,220.00 and remaining budgeted funds be used for additional equipment for a total cost not to exceed \$37,000. Funds to be allocated from Acct. #60-180-185-3730.

Motion carried unanimously.

CONSIDERATION OF INVOICE – WELL #11 – CTW CORP.:

MOTION made by Zabel, seconded by Miller to forward to the Village Board with a positive recommendation authorizing the payment of \$6,344.00 to CTW Corp. for the emergency repair of motor bearings at Well #11.

Motion carried unanimously.

CONSIDERATION OF CONTRACT – TAPCO PREVENTATIVE MAINTENANCE:

Supt. Olszewski presented for review the 2017 TAPCO Preventative Maintenance Agreement. The Contract covers fifteen controlled intersections under Village jurisdiction. TAPCO will respond for maintenance and/or design modifications as requested by the Village. The total cost for preventative maintenance is \$2,250.00. Fleet Farm will be invoiced for 1/15th of the invoice for their portion of the agreement. TAPCO is the only company to provide this type of service.

MOTION made by Zabel, seconded by Warren to forward to the Village Board with a positive recommendation to enter into a one year contract with TAPCO to provide maintenance of 15 controlled intersections under Village jurisdiction at a cost of \$2,250.00. Funds to be allocated from Acct. #10-542-530-3540.

Motion carried unanimously.

AUTHORIZATION TO CONTRACT – FLOORING REPLACEMENT – POLICE DEPARTMENT 1ST FLOOR:

Supt. Olszewski presented for Committee review the quotes received by local carpet contractors for the removal/replacement of existing tile/carpet located in the Lieutenants office, hallways, kitchen, and jail area located on the 1st floor of the Police Department. Of the five area flooring contractors, two responded. Prices ranged from \$12,597 to \$18,235. Supt. Olszewski requested the remaining funds in the budget be used for additional flooring replacement for a total budgeted amount not to exceed \$15,000.

MOTION made by Zabel, seconded by Warren to forward to the Village Board with a positive recommendation to contract Carpet City for an amount not to exceed \$12,597.00 for the flooring replacement in various 1st floor areas of the Police Department and approval to use the remaining \$2,403 in budgeted funds for additional flooring at the Police Department for a total budgeted amount of \$15,000.00. Funds to be allocated from Acct. #10-519-570-8221. Motion carried unanimously.

REQUEST AUTHORIZATION TO DESIGN AND BID SANITARY SEWER RELAY – MAIN STREET:

Dir. Ratayczak explained sanitary sewer on Main Street had previously been approved to be relayed from the eastern end of Gehl's to Park Avenue. The sanitary sewer was planned to turn south and connect with an existing 30" sanitary interceptor sewer through the proposed Saxony Village site. Through the process, it was brought to the staff's attention by the Village Attorney that this project would require public bidding if it went through Saxony Village and became a Village system. Gehl's Corporation had committed to a certain dollar amount toward the project but it was uncertain if it would be sufficient funds due to the possibility of contaminated soils which would require additional cost for contaminated soil removal and disposal.

Further analysis by Village staff estimated that the same result of the proposed relay could be obtained by relaying the Main Street sanitary sewer to Division Road. Staff felt the estimated cost to the Village would be near that of construction through the Saxony Village site. Dir. Ratayczak requested the Committee consider allowing staff to develop the required plans and specifications to go out for bids. An estimated cost of the sanitary sewer to Division Road was approximately \$750,000. In closing, Dir. Ratayczak stated Gehl Foods remained committed to their original commitment toward the cost of the sanitary sewer relay. Additional comments included:

- Relay is necessary as pipe size needs to increase to 18". Current pipe will not handle the large user.
- Sanitary sewer from Squire Drive to Division Road is in good shape but is not large enough;
- The Saxony Village developer is re-evaluating the costs he is willing to take on; he is looking to take on the sanitary sewer going through his site;
- The Village has to have an Agreement with Gehl's Corporation and the Developer that they will accept the full cost of sewer going through the development; or an Agreement between Gehl's and the Village if the relay is on Main Street to Division Road;
- Easements will be given to the Village as the developer would want the sewer and water utilities dedicated to the Village for the purpose of not having any maintenance costs;
- If the Village were to relay the sewer on Main Street, the Village would not need an easement through Saxony;
- Restoration would be replaced in kind;
- Sanitary sewer was relayed in year 2000 from Squire Drive east as part of the Main Street reconstruction. Sanitary sewer from Squire Drive west to Division Road is original and had not been lined. Supt. Zimmerman noted the pipe was in good shape but was too small to accommodate the future capacity of Gehl's.
- Trustee Zabel stated if the pipe is in good shape and the company that needs the sewer to upsize their business in the flow that they have, the Village needs to require an agreement with Gehl's to include cost sharing before the Village signs a contract for the relay.

MOTION made by Zabel, seconded by Warren authorizing the Engineering Department to develop plans/specifications and advertise for bids to relay the existing sanitary sewer and, work with Gehl's to get an Agreement in place and return to the Public Works and Highway Committee with the findings.

Motion carried unanimously.

AWARD OF CONTRACT – WINDSOR CT., CASTLE DR., SQUIRE DR. WATER MAIN RELAY:

Engr. Laning reported eight bids were received ranging from \$256,177.40 to \$445,956.00. The project will consist of abandonment of the existing water main and installation of approximately 1800 L.F. of water main to include appurtenances and water services. The contract will require a 10% contingency in the event of unforeseen change such as poor soils or additional asphalt replacement, etc. The water main will connect with the proposed Saxony Village project but was not part of the Village project. Staff will remove the existing easements and make all necessary corrections when the water main is in. Engr. Laning and Dir. Ratayczak stated with their past experience, the apparent low bidder was capable of doing the water main relay.

Trustee Warren noted due to prior conflicts he encountered, he could not support the apparent low bidder doing the job in Germantown.

Trustee Zabel voiced concern with the job having to be completed and didn't feel there was any hurry for this project. Based on past documents, Trustee Zabel stated by extending the water main 80 additional feet would position it in contaminated soil. He questioned what the handling process and bid prices would be to handle the contaminated soil.

Dir. Ratayczak was unaware of contaminated soils on the alignment of the water main as part of the water main relay project. If the project were to go easterly to connect to Saxony Village, yes you might be going through an area showing to be contaminated soils. Two ways to handle this would be to extend the lineal footage in the contract to go that far and add "contaminated soils" as a separate bid item on the project. The Village would need to know what the contamination was and it was thought that JBJ Development would already have that contamination analyzed. Other factors included disposal fees, quantity of contaminated soil, and whether the soil could be put back in as back fill (JBJ Development was checking into this). For these reasons, contaminated soil removal was not included as a bid item in the relay project. Dir. Ratayczak stated another suggestion to remove contaminated soil would be to strike an agreement with JBJ's contractor if it was under \$25,000. Dir. Ratayczak preferred the Village use our contractor, pay the additional cost for the contaminated soil removal and extend the water main to Saxony Village. Dir. Ratayczak clarified the water main project was to replace an existing water main system which has encountered some failures and, with the Saxony Village project would allow the abandonment of ductile iron main south of there and be replaced with PVC pipe.

MOTION made by Miller, seconded by Kaminski to forward to the Village Board with a positive recommendation to award the Windsor Ct., Castle Dr., Squire Dr. Water Main Relay project to American Sewer Services for a total project amount of \$256,177.40, and to include a 10% contingency (\$25,618.00) on the project for a total approved project amount of \$281,795.40. Funds to be allocated from Acct. #50-180-183-3430.

Motion: Aye – 2 Nay – 2 (Warren, Zabel)

REQUEST TO RELEASE RETAINER TO ALL-WAYS CONTRACTORS, INC. FOR CATIE VISTA STORM RELAY (SYLVAN CIRCLE):

MOTION made by Zabel, seconded by Miller authorizing the release of the contract retainer in the amount of \$5,174.95 to All-Ways Contractors, Inc. which was held during the one year warranty period for the Catie Vista Storm Relay (Sylvan Circle) project.

Motion carried unanimously.

FINALIZED LIST OF 2017 STREET PROJECTS – DISCUSSION AND POSSIBLE

ACTION: Engr. Laning presented for review the final proposed list of roads as part of the 2017 Road Improvements Project. The following updates were noted:

- The potential of Woodland Drive was removed due to sanitary sewer and water utilities needed at this location;
- The Burr Oak, Broadleaf, Sumac, areas were also removed due to pending sewer utility work and water main relay work in the surrounding area; Even if this utility work would be completed in a time, it would not be the best option to pave on top of fresh trenches;
- Concord Road was added; As this location had the potential for water main installation, Engr. Laning suggested putting in binder only until utilities were completed;
- Park Hill Lane included;
- Century Lane & Lovers Lane were added. If bids were higher than budgeted, these two roads would be the first to be removed;
- Chm. Kaminski maintained when you have water main on each end of a road i.e. Concord Road, you should install water main to make the connection prior to spending money on the road resurfacing. Discussion followed on areas that did not have municipal water within the Concord Road area.
- Engr. Laning proposed the binder because if water main was installed, inherently there would be some damage to the road surface even if the water main was in the ditch area. It was not the intent to put binder down and dig through the binder to install water main. Concord Road was the one spot Engr. Laning advocated putting water main in the ditch area vs. the road.
- Trustee Miller questioned whether the Village would consider resurfacing the southbound lanes on Pilgrim Road at Mequon Road. He understood this portion of roadway was State jurisdiction and not included in the State's resurfacing program this year. Chm. Kaminski understood the need for repair in that area but did not think it was affordable in this year's budget. Engr. Laning stated he would research the cost to mill and overlay that location and base patch as necessary. He could include this area in the bid documents and return his findings to the Committee.
- Bidding is scheduled for March, 2017.

MOTION made by Zabel, seconded by Warren to forward to the Village Board with a positive recommendation to proceed with the recommended lists of streets for the purpose of bidding and eventual construction of the Village's 2017 Road Improvements Project.

Motion carried unanimously.

VILLAGE LABOR AND EQUIPMENT RATES – 2017:

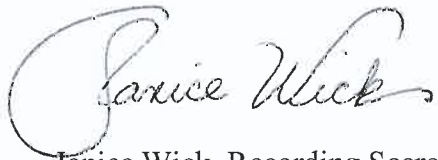
MOTION made by Zabel, seconded by Warren to forward to the Village Board with a positive recommendation to approve the proposed 2017 Village Labor and Equipment Rates as presented by staff.

Motion carried unanimously.

NEXT MEETING DATE: The next Public Works and Highway Committee meeting will be held Tuesday, March 7, 2017 at 5:30 p.m.

ANNOUNCEMENTS: None

ADJOURNMENT: There being no further business, the meeting was adjourned at 6:30 p.m.

A handwritten signature in cursive script that reads "Janice Wick". The signature is written in dark ink and is positioned above the printed name.

Janice Wick, Recording Secretary

**BUSINESS OF THE PUBLIC WORKS & HIGHWAYS COMMITTEE
GERMANTOWN, WI**

MEETING DATE: Tuesday March 7, 2017

AGENDA ITEM: New Business **A**

ITEM TITLE: Authorization to Purchase- Zero Turn Mowers

SUBMITTED BY: Jay Olszewski, Highway Superintendent

SUMMARY EXPLANATION:

The 2017 Parks Budget included \$28,000 for the purchase of two new 60" zero turn lawn mowers. Staff solicited pricing from 3 area dealers. The results are as follows:

LOCHEN EQUIPMENT	\$26,160
Bill's Power Supply	\$26,220
Triebold Outdoor Power LLC	\$26,880

ATTACHMENT: ORDINANCE _____ RESOLUTION _____ OTHER x

RECOMMENDATION:

Staff recommends purchasing two Kubota ZD1211 R60R 60" zero turn lawn mowers from Lochen equipment in the amount not to exceed \$26,160. If approved funds shall be allocated from parks account 10-553-570-8100.

COMMITTEE ACTION:

Proper parliamentary procedure to deny a request is to have a motion made in the affirmative and by voting NAY would deny the request if a majority vote.

**BUSINESS OF THE PUBLIC WORKS & HIGHWAYS COMMITTEE
GERMANTOWN, WI**

MEETING DATE: Tuesday March 7th, 2017

AGENDA ITEM: New Business B

ITEM TITLE: Authorization to Purchase Patrol Truck

SUBMITTED BY: Jay Olszewski, Highway Superintendent

SUMMARY EXPLANATION:

Staff is presenting for Committee review the pricing obtained for the purchase of a new single axle Patrol Truck. \$200,000 was budgeted for this purchase. Staff solicited pricing from dealerships from Wisconsin and Oregon who sell Western Star. The result of the pricing is as follows:

Truck Country	\$187,550.25
V & H (Marshfield)	\$189,091.25
McCoy Freightliner (Portland OR)	\$189,595.25

ATTACHMENT: ORDINANCE _____ RESOLUTION _____ OTHER x

RECOMMENDATION:

Staff recommends purchasing a new Western Star Patrol Truck from Truck Country for an amount not to exceed \$187,550.25. If approved, AND once 2017 borrowing has occurred funds for the purchase shall come from Highway Capital Account 40-542-570-8520.

COMMITTEE ACTION:

Proper parliamentary procedure to deny a request is to have a motion made in the affirmative and by voting NAY would deny the request if a majority vote.

**BUSINESS OF THE PUBLIC WORKS & HIGHWAYS COMMITTEE
GERMANTOWN, WI**

MEETING DATE: Tuesday March 7th 2017

AGENDA ITEM: New Business C

ITEM TITLE: Authorization to Purchase- ¼ Ton Pick Up- Parks Dept.

SUBMITTED BY: Jay Olszewski, Highway Superintendent

SUMMARY EXPLANATION:

The 2017 Parks Dept. capital budget included \$40,000 for the purchase of a new ¼ ton pickup truck and plow. Staff solicited bids from three area dealers and the results are listed below.

	2017 CHEVY 2500 w/ PLOW	
Ewald Automotive Group		\$38,825.00
Holz Motors		\$39,380.00
Bob Fish		\$39,718.00

ATTACHMENT: ORDINANCE _____ RESOLUTION _____ OTHER x

RECOMMENDATION:

Staff recommends purchasing the ¼ TON PICK UP from **Ewald Automotive**. Funds shall be allocated from account 40-553-570-8520. The entire cost of the truck will be under the \$40,000 budgeted including lighting and other equipment set up (\$1,000).

COMMITTEE ACTION:

Proper parliamentary procedure to deny a request is to have a motion made in the affirmative and by voting NAY would deny the request if a majority vote.

**BUSINESS OF THE PUBLIC WORKS & HIGHWAYS COMMITTEE
GERMANTOWN, WI**

MEETING DATE: Tuesday March 7th, 2017

AGENDA ITEM: New Business D

ITEM TITLE: Authorization to Contract Flooring Kinderberg Park

SUBMITTED BY: Jay Olszewski, Highway Superintendent

SUMMARY EXPLANATION:

The 2017 Parks Budget included \$8,000 for the installation of an epoxy floor in the Kinderberg Park Pavilion. Staff is presenting for Committee review the quotes provided by local contractors. The quotes are as follows:

Colorful Concrete Solutions	\$6,367
Garage Floors of Wisconsin	\$5,750
Premier Garage	\$7,300

ATTACHMENT: ORDINANCE _____ RESOLUTION _____ OTHER x

RECOMMENDATION:

At the time back up information was due staff was in the process of checking references and visiting projects of contractors listed above. Staff will have a recommendation at the time of the meeting. Staff did visit a project performed by Garage Floors of Wisconsin and felt the workmanship and final product was not to the level that Premier Garage has provided the Village in the past. If approved funds shall be allocated from Parks account 10-553-570-8100.

COMMITTEE ACTION:

Proper parliamentary procedure to deny a request is to have a motion made in the affirmative and by voting NAY would deny the request if a majority vote.

**BUSINESS OF THE PUBLIC WORKS & HIGHWAYS COMMITTEE
GERMANTOWN, WI**

MEETING DATE: Tuesday March 7th, 2017

AGENDA ITEM: New Business E

ITEM TITLE: Authorization to Contract Village Hall Furnace and A/C Replacement

SUBMITTED BY: Jay Olszewski, Highway Superintendent

SUMMARY EXPLANATION:

\$32,000 was included in the 2017 Building Budget for the replacement of 4 furnaces and a/c units at the Village Hall. Staff is presenting for Committee review the quotes provided by local Contractors. The results are as follows:

Mr. Holland's	\$20,856.72
Goschey Mechanical	\$26,888.00
Blau	\$30,000

ATTACHMENT: ORDINANCE _____ RESOLUTION _____ OTHER x

RECOMMENDATION:

Staff recommends contracting with Mr. Holland's Heating and Air in the amount not to exceed \$22,000. This accounts for a contingency slightly over 5%. This total is under the \$32,000 budgeted. Staff would recommend that Committee consider carrying over the remaining \$10,000 to the 2018 budget to help offset the cost to complete the third and final phase of the furnace and air conditioning replacements at Village Hall. If approved funds shall be allocated from Building Major repairs account 10-519-570-8201.

COMMITTEE ACTION:

Proper parliamentary procedure to deny a request is to have a motion made in the affirmative and by voting NAY would deny the request if a majority vote.

**BUSINESS OF THE PUBLIC WORKS & HIGHWAYS COMMITTEE
GERMANTOWN, WI**

MEETING DATE: Tuesday March 7th, 2017

AGENDA ITEM: New Business F

ITEM TITLE: Consideration of Proposals- Building fire alarms, fire extinguishers, and sprinkler inspections

SUBMITTED BY: Jay Olszewski, Highway Superintendent

SUMMARY EXPLANATION:

Staff is presenting for Committee review the results of proposal solicited from qualified contractors to test, inspect, maintain, and certify the Village's fire alarms, smoke detectors, fire extinguishers, and fire suppression sprinkler systems. The results are as follows:

Cintas	\$6,952.75
Simplex Grinnell	\$12,428
Ahern	\$9,426
Us Alliance	\$8,477

ATTACHMENT: ORDINANCE _____ RESOLUTION _____ OTHER x

RECOMMENDATION:

Staff recommends contracting with Cintas for the inspection of alarms, extinguishers, and fire flow. Funds shall be allocated from the Building account where the inspection or work occurred.

COMMITTEE ACTION:

Proper parliamentary procedure to deny a request is to have a motion made in the affirmative and by voting NAY would deny the request if a majority vote.

**BUSINESS OF THE PUBLIC WORKS & HIGHWAYS COMMITTEE
GERMANTOWN, WI**

MEETING DATE: Tuesday March 7th, 2017

AGENDA ITEM: New Business 

ITEM TITLE: Authorization to Contract for Repair Roofs PD, DPW, Garage, and Bell Museum

SUBMITTED BY: Jay Olszewski, Highway Superintendent

SUMMARY EXPLANATION:

The 2017 budget included various roof repairs. Village staff solicited pricing from 4 area roofing contractors. Each building/project was looked at and bid individually. General and specific specification were provided for each project. The results are as follows:

Integrity Roofing	DPW	\$4,785
	BELL	\$18,850
	PD	\$22,550
Noffke Roofing	DPW	\$7,844
	BELL	\$49,000
	PD	\$27,452
Prahl Roofing	DPW	\$6,891
	BELL	DNR
	PD	\$25,906
Great Lakes Roofing	did not provide quote	

The budget for the projects is as follows: DPW \$5,000; BELL \$20,000; PD \$25,000

ATTACHMENT: ORDINANCE _____ RESOLUTION _____ OTHER x

RECOMMENDATION:

Staff recommends having Integrity Roofing provide the labor and materials for the above described projects in the amount not to exceed the approved budget for each specific building. If approved funds shall be allocated as follows: DPW 10-519-570-8242; BELL 10-519-570-8425; and PD 10-519-570-8221.

COMMITTEE ACTION:

Proper parliamentary procedure to deny a request is to have a motion made in the affirmative and by voting NAY would deny the request if a majority vote.

**BUSINESS OF THE PUBLIC WORKS & HIGHWAYS COMMITTEE
GERMANTOWN, WI**

MEETING DATE:

Tuesday March 7th, 2017

AGENDA ITEM:

New Business H

ITEM TITLE:

Authorization to Contract-Forestry Services- Wactel
Tree Science

SUBMITTED BY:

Jay Olszewski, Highway Superintendent

SUMMARY EXPLANATION:

Staff is requesting permission to contract with Wactel Tree Service to provide specific consultation services as it relates to the handling of Emerald Ash Borer (EAB). Wactel has worked with the Village in the past and is very familiar with our tree inventory. Wactel drafted the initial EAB plan for the Village a number of years ago as well as inventoried all of Village's street trees. The new plan will detail which trees should be removed, treated, observed etc. EAB is a complex, fluid situation that requires constant assessment and attention. Staff believes that the best course of action is to seek the assistance of experts who are familiar with this specific problem. Staff fully expects to use Village forces as much as possible in this process. Other communities such as Elm Grove and Whitefish Bay are working with Wactel and having success with their EAB plan. The cost of the service will be on a time and material basis in the amount not to exceed \$15,000 (\$140/hr. Project Manager, \$105/hr. Certified Arborist).

ATTACHMENT:

ORDINANCE _____ RESOLUTION _____ OTHER x

RECOMMENDATION:

Staff recommends contracting with Wactel Tree Service. If approved funds shall be allocated from Parks Line Item account 10-553-530-5290.

COMMITTEE ACTION:

Proper parliamentary procedure to deny a request is to have a motion made in the affirmative and by voting NAY would deny the request if a majority vote.

AGREEMENT BETWEEN THE VILLAGE OF GERMANTOWN
AND WACHTEL TREE SCIENCE & SERVICE

FOR PROFESSIONAL ARBICULTURAL CONSULTING SERVICES - 2017

This contract entered on the last date of execution shown below, between the Village of Germantown (the "Village") a municipal corporation duly existing in the State of Wisconsin, and Wachtel Tree Science and Service, Inc. ("Wachtel"), a Wisconsin corporation.

In consideration of the mutual promises and covenants described herein, and for other good and valuable consideration which is duly acknowledged, Village and Wachtel agree that Wachtel shall provide the following services to the Village of Germantown for the 2017 calendar year, subject to the following terms and conditions:

I. For Administration of EAB Activities

Wachtel will perform the following administrative duties for in-house or contracted ash tree removal, stump removal and site restoration; tree replacement plantings; and ash tree treatments within the funding limitations of the Village's budget for such activities.

1. Utilizing the Village's GIS street, park/ public property tree inventories, locate and field verify ash that meet the criteria as determined by the Village to be candidates for removal or treatment.
2. Prepare informational letters (if determined to be necessary) explaining the process of the removal, replacement and treatment programs. The Village would send the letter, approved by Village staff, to residents that are impacted by this program.
3. Prepare bid documents (if required) for tree removal, stump removal, tree treatment, and new tree planting. Village staff will incorporate these specifications into complete bid documents. The Village will advertise and mail documents to prospective bidders from a bidders list provided by the consultant. Consultant to assist Village staff with selection of qualified contractors to perform the work.
4. Select diverse species of trees to be utilized in replanting efforts.
5. Mark trees that are identified for treatment or removal and locate sites where new trees will be planted.
6. Assist Village staff as requested with inspection of work by contractors.

II. Village Forester Related Duties (as directed by Village staff)

1. Respond to and resolve citizen requests on a weekly basis in accordance with Village Codes to include:
 - Site visit including resolution
 - Phone call/letter/email to resident with resolution
 - Create work orders for field crews as needed
 - Follow up to those issues requiring follow up
2. Perform city wide "scout" surveys as necessary to check for the presence of Dutch Elm disease (DED), Gypsy Moth (GM) and Emerald Ash Borer (EAB)

3. Coordinate contracts/operations to ensure that village services in regard to Forestry are not disrupted, including:
 - Tree Planting/Pruning/Removal/Stump Removal operations with Highway Department and Parks & Recreation
4. Design and implement a tree planting program to include:
 - Identify locations for replacement trees where feasible for removed trees
 - Review Village property for tree planting opportunities
 - Work within a defined budget
5. Review and coordinate with the Superintendent of Highways to keep up to date, as feasible, the Village street tree pruning cycle
6. In consultation with staff develop a yearly Forestry budget for Village approval
7. Prepare annual Tree City USA and Bird City Wisconsin applications (if applicable)
8. Assist as requested in an Arbor Day celebration coordinated by the Village and participate an annual International Migratory Bird Day celebration if the Village is a Bird City Wisconsin designee.
9. Assist the Village in any forestry-related grant writing and grant administration

III. Miscellaneous Provisions

1. Term. The term of this agreement shall be for the calendar year 2017. Either party can terminate this agreement at any time upon thirty (30) days written notice.
2. Payment Terms. The above work shall be at an hourly rate of \$140.00 for Project Manager and \$105.00 for a Staff Certified Arborist with a total estimated cost of \$15,000. The parties recognize and agree that charges to the Village shall not exceed \$15,000 for the term of this agreement without a written change order approved by the Village Board.
3. Nature of Relationship. It is the mutual intent of the parties that this agreement shall create an independent contractor agreement as such is defined under all applicable laws of the State of Wisconsin, and shall specifically not be construed as an employer/employee relationship. Wachtel shall retain full right and authority to control the methodology in the implementation of their contractual obligations, and shall exercise independent discretion in all matters of their professional expertise. Wachtel shall report to the Highway Superintendent and Parks and Recreation Director or their designee, periodically as reasonably necessary to apprise the Village of the progress of the projects, and as to any matters of concern.
4. Public Records Responsibilities. Village and Wachtel recognize that applying applicable Wisconsin public records laws to particular records requests can be difficult, in light of copyright and other confidentiality protections. To ensure that applicable laws are followed, both with regard to private rights, and with regard to public records laws, Village and Wachtel agree as follows. When Village receives public records requests for matters that Village believes might be proprietary or confidential information, Village will notify Wachtel of the request. Within three (3) days of such notification (subject to

extension of time upon mutual written agreement), Wachtel shall either provide Village with the record that is requested, for release to the requestor; or Wachtel shall advise Village that Wachtel objects to the release of the requested information, and the basis for the objection. If for any reason Village concludes that Village is obligated to provide a record to a requestor that is in Wachtel's possession, Wachtel shall provide such records to Village immediately upon Village's request. Wachtel shall not charge for work performed under this paragraph, except for the "actual, necessary and direct" charge of responding to the records request, as that is defined and interpreted in Wisconsin law.

In addition to, and not to the exclusion or prejudice of, any provisions of this agreement or documents incorporated herein by reference, Wachtel shall indemnify and save harmless and agrees to accept tender of defense and to defend and pay any and all legal, accounting, consulting, engineering and other expenses relating to the defense of any claim asserted or imposed upon the Village, its officers, agents, employees and independent contractors growing out of (i) Village's denial of a records request, based upon objections made by Wachtel, or (ii) Wachtel's failure to provide records to Village upon Village's request; or (iii) Village's charges made to a records requestor, based upon reimbursement of costs Wachtel charged to Village in responding to a records request; or (iv) Village's lack of timely response to a records request, following Wachtel's failure to timely respond to Village as required herein; or (v) Village's provision of records to a requestor that were provided to Village by Wachtel in response to a records request. Wachtel's claims of proprietary rights, or any other copyright or confidentiality claims, shall be waived such that Village may provide all requested documents, programs, data, and other records to the requestor, upon failure by Wachtel to defend, indemnify or hold harmless the Village as required herein, and/or upon judgment of a court having jurisdiction in the matter requiring release of such records.

5. Our work will be on a time and materials basis at a cost not to exceed \$15,000.00, with an estimate of approximately 107 hours. Our hourly rate is \$140 for the Project Manager and \$105 for a Staff Certified Arborist. We anticipate being able to begin work soon after receiving approval from the Village to proceed.

Dated this ____ day of _____, 20__.

VILLAGE OF GERMANTOWN

Village President

ATTEST:

Village Clerk

Dated this ____ day of _____, 20__.

Wachtel Tree Science & Service, Inc.

By: _____
John T. Gall, Special Projects Coordinator

**BUSINESS OF THE PUBLIC WORKS & HIGHWAYS COMMITTEE
GERMANTOWN, WI**

MEETING DATE: Tuesday March 7th, 2017

AGENDA ITEM: New Business 

ITEM TITLE: Discussion and Possible Action: Village Hall Fire Suppression

SUBMITTED BY: Jay Olszewski, Highway Superintendent

SUMMARY EXPLANATION:

The fire suppression system at the Village Hall continues to experience a series of pin hole leaks. The leaks cause the system to lose air pressure resulting in alarms and ultimately the replacement of the failed pipe section. The cost for these repairs run between \$1,000 and \$2,000. The leaks are caused by MIC, or Microbial Influenced Corrosion. We first discussed this a few years when we installed a Nitrogen Generation system at VH in hopes of slowing down the corrosion. Unfortunately, the system was installed after much of the damage was already done.

Currently when we experience a leak Village staff will track down the exact location, attach a temporary clamp, measure the affected pipe, and contact a contractor to schedule the repair. Since this past December Village Hall has had 3 such leaks. This prompted staff to set up a meeting with J.H. Ahern to discuss options and alternatives to this ongoing problem. After discussing the situation staff would recommend budgeting for replacement of the fire suppression piping at Village Hall in 2018. We feel this is the most economical approach. Staff is bringing this to Committee's attention now so that we can get some direction and reassurance that this project will be strongly considered in 2018. The direction from Committee will than give staff a clear understanding on how to approach future leaks. If Committee feels a full replacement project is a viable option for 2018 staff will clamp any future leaks with a "temporary" repair costing about \$50. If Committee feels that a project may have to hold off longer than 2018 we can still proceed with replacing a section on a pipe at a time. Please note that in most cases the "newer" repaired sections could be salvaged if and when a full replacement project occurs.

A rough budgetary cost for a full replacement is \$34,500.

ATTACHMENT: ORDINANCE _____ RESOLUTION _____ OTHER x _____

RECOMMENDATION:

Staff would recommend that the full replacement of the main fire suppression piping at Village Hall be placed in the 2018 budget.

COMMITTEE ACTION:

Proper parliamentary procedure to deny a request is to have a motion made in the affirmative and by voting NAY would deny the request if a majority vote.

BUSINESS OF THE PUBLIC WORKS AND HIGHWAY COMMITTEE
GERMANTOWN, WI
MEMO

TO: PUBLIC WORKS COMMITTEE

FROM: John A. Laning, P.E.
Village Engineer

SUBJECT: Park Avenue Sanitary Sewer Relay
Project No. 1612

J

DATE: March 7, 2017

Requested Action: Staff is requesting approval of the lowest bid received for the Park Avenue Sanitary Sewer Relay Project No. 1612

The lowest responsible bidder for this project is American Sewer Services, whose bid was \$ 194,377.50

Fiscal Impact:	Construction Contract:	\$ 194,377.50
	Contingency (10%):	<u>\$ 19,437.75</u>
		\$ 213,815.25

Bid Results: See Exhibit A attached.

Source of Funds: Waste Water Utility Account No. 60-180-183-3130

Rationale: This project consists of the relay of the existing 8" sanitary sewer main with the installation of approximately 730 L.F. of 8" PVC sanitary sewer main along with accompanying manholes and sanitary sewer services

This work is being performed before the WISDOT pavement rehabilitation (mill and overlay) project slated for STH-145 (Fond Du Lac Ave.).

Contractor Work History: Staff has worked with this contractor in the past and has found them to be capable of performing this type of work.

EXHIBIT "A"

Park Avenue Sanitary Sewer Relay
Project No. 1612

Bid Opening Date: February 28, 2017

Engineer's Estimate: \$ 212,995.00 (See attached)

Bid Results:

CONTRACTOR	BID
1. American Sewer Services	\$ 194,377.50
2. Advance Construction	\$ 200,738.00
3. Globe Contractors	\$ 209,950.00
4. Wilkomm Excavation and Grading	\$ 298,358.25

ATTACHMENT: ORDINANCE _____ RESOLUTION _____ OTHER X

RECOMMENDATION:

This project is recommended by Staff and is asking for authorization to proceed with the construction of this project.

COMMITTEE ACTION:

Proper parliamentary procedure to deny a request is to have a motion made in the affirmative and by voting NAY would deny the request if a majority vote

	Park Ave. Sanitary Sewer Relay	1612	2/28/2017		
Base Items				Engineers Estimate	
NO.	ITEM	UNITS	ESTIMATED QUANTITY	UNIT PRICE	EXTENDED AMOUNT
1	8-Inch SDR-35 PVC Sanitary Sewer Pipe, Backfill is incidental to the cost of the pipe.	LF	730	\$150.00	\$109,500.00
2	6-inch PVC SDR-35 sanitary lateral including pavement removal, bedding and backfill (crushed concrete or slurry as directed) complete	LF	281	\$150.00	\$42,150.00
3	48" dia. Precast manhole, frame and lid (NEW)	VF	45	\$200.00	\$9,000.00
4	Modify Existing Manholes	EA	1	\$1,000.00	\$1,000.00
5	Sawing Concrete Pavement, Full Dwpth STH-145	LF	200	\$3.00	\$600.00
6	Saw Cut Asphalt Pavement	LF	1565	\$3.00	\$4,695.00
7	Asphalt Binder, 3-Inch, Type E-1	TON	60	\$200.00	\$12,000.00
8	Asphalt Surface, 2-Inch, Type E-0.3	TON	45	\$200.00	\$9,000.00
9	Asphalt Tack	GAL	10	\$5.00	\$50.00
10	Erosion Control	LS	1	\$1,000.00	\$1,000.00
11	Traffic Control	LS	1	\$3,000.00	\$3,000.00
12	4-Inch Topsoil and Hydro seed	SY	500	\$10.00	\$5,000.00
13	Undercutting	CY	200	\$25.00	\$5,000.00
14	Rock Excavation	CY	100	\$60.00	\$6,000.00
15	2" Clear Stone for unstable trench	TON	200	\$25.00	\$5,000.00
				Total: \$212,995.00	
				Engineers Estimate	

Park Ave. Sanitary Sewer Relay				1612	2/28/2017						
Base Items				American Sewer Service		Advanced Construction, Inc.		Globe Contractors, INC.		Wilkomm Excavation and Grading, Inc.	
NO.	ITEM	UNITS	ESTIMATED QUANTITY	UNIT PRICE	EXTENDED AMOUNT	UNIT PRICE	EXTENDED AMOUNT	UNIT PRICE	EXTENDED AMOUNT	UNIT PRICE	EXTENDED AMOUNT
1	8-Inch SDR-35 PVC Sanitary Sewer Pipe, Backfill is incidental to the cost of the pipe.	LF	730	\$114.00	\$83,220.00	\$166.00	\$121,180.00	\$142.00	\$103,660.00	\$176.00	\$128,480.00
2	6-inch PVC SDR-35 sanitary lateral including pavement removal, bedding and backfill (crushed concrete or slurry as directed) complete	LF	281	\$135.00	\$37,935.00	\$95.00	\$26,695.00	\$125.00	\$35,125.00	\$195.00	\$54,795.00
3	48" dia. Precast manhole, frame and lid (NEW)	VF	45	\$680.00	\$30,600.00	\$443.00	\$19,935.00	\$480.00	\$21,600.00	\$751.00	\$33,795.00
4	Modify Existing Manholes	EA	1	\$565.00	\$565.00	\$1,000.00	\$1,000.00	\$600.00	\$600.00	\$9,651.00	\$9,651.00
5	Sawing Concrete Pavement, Full Dwpth STH-145	LF	200	\$1.50	\$300.00	\$1.90	\$380.00	\$3.00	\$600.00	\$3.84	\$768.00
5	Saw Cut Asphalt Pavement	LF	1565	\$1.50	\$2,347.50	\$1.00	\$1,565.00	\$2.00	\$3,130.00	\$1.05	\$1,643.25
6	Asphalt Binder, 3-Inch, Type E-1	TON	60	\$155.00	\$9,300.00	\$121.75	\$7,305.00	\$121.00	\$7,260.00	\$128.00	\$7,680.00
7	Asphalt Surface, 2-Inch, Type E-0.3	TON	45	\$155.00	\$6,975.00	\$125.00	\$5,625.00	\$125.00	\$5,625.00	\$132.00	\$5,940.00
8	Asphalt Tack	GAL	10	\$11.00	\$110.00	\$5.00	\$50.00	\$5.00	\$50.00	\$39.00	\$390.00
11	Erosion Control	LS	1	\$1,000.00	\$1,000.00	\$3,000.00	\$3,000.00	\$1,000.00	\$1,000.00	\$336.00	\$336.00
12	Traffic Control	LS	1	\$5,900.00	\$5,900.00	\$10,000.00	\$10,000.00	\$5,800.00	\$5,800.00	\$5,880.00	\$5,880.00
13	4-Inch Topsoil and Hydro seed	SY	500	\$7.25	\$3,625.00	\$6.00	\$3,000.00	\$5.00	\$2,500.00	\$9.00	\$4,500.00
15	Undercutting	CY	200	\$22.00	\$4,400.00	\$5.00	\$1,000.00	\$20.00	\$4,000.00	\$30.00	\$6,000.00
16	Rock Excavation	CY	100	\$53.00	\$5,300.00	\$0.01	\$1.00	\$150.00	\$15,000.00	\$333.00	\$33,300.00
17	2" Clear Stone for unstable trench	TON	200	\$14.00	\$2,800.00	\$0.01	\$2.00	\$20.00	\$4,000.00	\$26.00	\$5,200.00
				Total: \$194,377.50		Total: \$200,738.00		Total: \$209,950.00		Total: \$298,358.25	
				American Sewer Service		Advanced Construction, Inc.		Globe Contractors, INC.		Wilkomm Excavation and Grading, Inc.	

**BUSINESS OF THE PUBLIC WORKS & HIGHWAY COMMITTEE
GERMANTOWN, WI**

MEETING DATE: March 7, 2017

AGENDA ITEM: New Business K

ITEM TITLE: WPDES & MMSD Ch. 13 Annual Report

SUBMITTED BY: Eric Bartlein, Civil Engineer

SUMMARY EXPLANATION:

The Village's Wisconsin Pollutant Discharge Elimination System (WPDES) Municipal Separate Storm Sewer System (MS4) Permit #WI-S065404-1 and the MMSD's Chapter 13 Rule, both require the Village to submit an annual report to both the Wisconsin DNR and the MMSD. Section III.H of the Permit requires that the Village's governing body review and acknowledge that it has been appraised of the Report's contents. The Report's summary (which excludes appendices) is provided to the Committee members for review.

ATTACHMENTS:

- WPDES and MMSD Ch. 13 2016 Annual Reports

RECOMMENDATION:

Recommend to the Village Board to authorize the Village President to sign the Report and to approve submittal to the Wisconsin DNR and to the MMSD.

COMMITTEE ACTION:

Proper parliamentary procedure to deny a request is to have a motion made in the affirmative and by voting NAY would deny the request if a majority vote.

Village of



Germantown

WASHINGTON COUNTY
WISCONSIN

2016 WISCONSIN DNR MS4 ANNUAL REPORT

Village of Germantown

**WPDES Permit No.
WI-S065404-1**

Public Works & Highway Committee: March 7, 2017

Village Board: March 20, 2017

N112 W17001 Mequon Road
P.O. Box 337
Germantown, WI 53022

Phone: (262) 250-4720

Fax: (262) 253-8255

MS4 Annual Report

(Due by March 31, 2017)

Please use this template to assist in compiling information for the annual report. Use of this template is optional. Please refer to the permit language for the information minimally required to be submitted in the reporting year. If you have any questions, please contact Bryan Hartsook at (262) 574-2129 or by email at Bryan.Hartsook@wisconsin.gov. Please submit a signed copy of the annual report and any attachments to my attention at the Waukesha Service Center: 141 NW Barstow St., Rm 180, Waukesha, WI 53188

** ELECTRONIC SUBMITTALS ARE PREFERRED**

Municipality:	Reporting Year: 2016
Name of Permit Group (if applicable): Menomonee River Watershed-Based MS4 Permit	WPDES Permit No. WI-S065404-1
	Facility ID No. (FIN):

Contact Information:

Name: Eric Bartlein	Title: Civil Engineer		
Mailing Address: N112 W17011 Mequon Road	City: Germantown	State: WI	Postal Code 53022
E-mail Address: eric@village.germantown.wi.us	Telephone No: 262-250-4723		

Section I. Summarize program activities implemented during the reporting year to maintain compliance with the six minimum control measures identified in the permit. Please include the management practice, individual or department responsible, measurable goals, and activities planned for next year. Amendments to the planned activities and/or changes to measurable goals should also be identified. *Add rows or attach additional sheets as needed*

A. PUBLIC INVOLVEMENT, EDUCATION, AND OUTREACH (report any individual efforts completed as applicable under Part II. A and B of the permit outside of Respect Our Waters Campaign)

BMP Description:

See Attached chart Public Involvement, E&O BMPs, Measurable Goals, and Progress

Measurable Goal(s):

See Attached chart Public Involvement, E&O BMPs, Measurable Goals, and Progress

Responsible Dept./Person:

Engineering: Eric Bartlein, Civil Engineer

Progress Made Towards Achieving Goal(s):

See attached chart Public Involvement, E&O BMPs, Measurable Goals, and Progress

Planned Activities for Next Reporting Year:

1) Continue participating in group activities and tracking measureable goals.

B. ILLICIT DISCHARGE DETECTION AND ELIMINATION

B.1 List visual and chemical screening parameters:

INDICATOR \ DETECTION LIMITS \ FOLLOW-UP LEVELS

Ammonia \ 0.10 mg/L \ > 0.1 mg/L

Detergents \ 0.25 mg/L \ ≥ 0.5 mg/l

pH \ 0.0 – 14.0 \ ≤ 6.0 or ≥ 9.0

Chlorine \ 0.10 mg/L \ ≥ 1.0 mg/L (total residual)

Copper \ 0.10 mg/L \ ≥ 0.2 mg/L (total)

Phenols \ 0.10 mg/L \ ≥ 0.1 mg/L

Flouride \ 0.10 mg/L \ > 0.6 mg/l

B.2 Total number of major outfalls in MS4:

16

B.3 Total number of priority outfalls in MS4:

7

B.4 Number of major outfalls screened:

13

B.5 Number of priority outfalls screened:

7

B.6 Number of major outfalls flowing and sampled:

3

B.7 Number of priority outfalls flowing and sampled:

2

B.8 Number and Outfall ID of major outfalls requiring further sewershed investigation

0

B.8.a. Investigation completed?

YES

B.8.b. Source of illicit discharge:

None

B.8.c. If source not determined, identify expected dates and procedure for follow up investigation:

N/A

B.9 Number and Outfall ID of priority outfalls requiring further sewershed investigation

0

B.9.a. Investigation completed?

YES

B.9.b. Source of illicit discharge:

None

B.9.c. If source not determined, identify expected dates and procedure for follow up investigation:

N/A

C. CONSTRUCTION SITE POLLUTANT CONTROLC.1 Target Number of Inspections (measurable goal, can be represented as percentage of permits issued):

Goal is to inspect all commercial sites weekly and on an event basis. The single family and residential is up to the building inspector.

C.2 Number of Permit Applications Received / Number of Permits Issued:

Administered by the Inspection Dept. with Engineering Dept consultation.

37 Erosion Control Permits Total (Includes both Commercial and Residential)

C.3 Individual(s) Responsible for Plan Review, Inspection, and Enforcement Procedures:

Engineering Dept. = Eric Bartlein, Civil Engineer

Inspection Services = Mike Guttman, Building Inspector

C.4 Number of Inspections Completed:

13

C.5 Number of Enforcement Actions and Description:

1) Tracking pad needed to be replaced or have stone added - Completed the next day.

C.6 Changes in Inspection and /or Enforcement Procedures:

None

C.7 Date of ordinance update adoption:

4/27/2012

C.8 Provide website link to updated ordinance:

https://www.municode.com/library/wi/germantown/codes/code_of_ordinances?nodeId=GEWI_CH29COSIERCO

D. POST-CONSTRUCTION STORM WATER MANAGEMENTD.1 Number of Storm Water Management Plans Reviewed:

2

D.2 List inspection and maintenance performed on private facilities enacted by Long-Term Maintenance Agreement:

No inspection and /or maintenance performed on private facilities that the Village is aware of.

D.3 Date of ordinance update adoption:

9/15/2008

D.4 Provide website link to updated ordinance:

https://www.municode.com/library/wi/germantown/codes/code_of_ordinances?nodeId=GEWI_CH27PONSSTMA

E. POLLUTION PREVENTIONE.1 Estimate quantity of Street Sweepings and Catch Basin Cleanings Collected:

103 cubic yards

E.2 Municipal Yard Inspection (attach copies of completed inspection reports):

No substantial spill or problems found.

E.3 Leaf collection dates (or approximate frequency), equipment and method employed:

N/A

E.4 Number of inspections or maintenance items performed on municipally owned stormwater structural practices? Identify BMP type, ID from MS4 map, and inspection dates and/or maintenance performed. Attach copies of inspection and maintenance forms.

N/A

E.5 Average tons of salt used per event during 2015/2016 winter season:

Road miles treated:

130.5 miles

Average application rate
(lbs/road mile):

200-300 lbs/lane mile

Prewetting salt?

Yes

Trucks calibrated?

Annually

Gallons of anti-icing brine
applied?

2000 Gallons

Source of brine/brine
making equipment:Purchased from Washington
County

F. STORM WATER QUALITY MANAGEMENT

F.1. Have there been any changes in implementation, maintenance, mapping or modeling of storm water management practices in the past year? If yes, please complete the remainder of Section F.

NO

F.2 Pollutant Loading Analysis:

Date of last model run:

January, 2008

"No Controls" Load
(tons/yr):

704

"With Controls" Load
(tons/yr):

Model Version Used:

WinSLAMM

Average Unit Area
Load (lbs/acre/yr):

186.3

TSS Reduction %

39

F.3 Storm Water Management Plan:

If TSS percent reduction is less than 20%, has a strategy been developed under a municipal-wide storm water management planning effort to achieve compliance?

Not Applicable

Projected Timeframe to Achieve 20% TSS
Reduction (if applicable):

Not Applicable

F.4 Structural stormwater BMPs Implemented in Reporting Year:

Constructed 4 wet detention ponds in our TID #6 business park.

F.5 BMP Maintenance Activities in Reporting Year:

Mowing: One Spring and one Fall mowing.

Street Sweeping: One Spring and one Fall sweeping.

Construction Site Inspection: Monthly and as-needed.

G. WATERSHED-BASED PROJECT STATUS**G.1 Selection of joint or individual project?**

Not applicable: Village completed independent project entitled "2013 Wago-Freistadt Storm Relay" which diverted over 100-acres of Industrial Park runoff from being discharged directly into Menomonee River to the Wago Regional Storm Water pond instead.

G.2 Name of project

Not applicable: Village completed independent project entitled "2013 Wago-Freistadt Storm Relay" which diverted over 100-acres of Industrial Park runoff from being discharged directly into Menomonee River to the Wago Regional Storm Water pond instead.

G.3 Project description and timeframe for completion

Not applicable: Village completed independent project entitled "2013 Wago-Freistadt Storm Relay" which diverted over 100-acres of Industrial Park runoff from being discharged directly into Menomonee River to the Wago Regional Storm Water pond instead.

Section II. Identify any known or perceived water quality improvements or degradation in the receiving water to which the MS4 system discharges. Where degradation is identified, identify why and what actions are being taken to improve the water quality of the receiving water. Please describe the stream reach or lake effected and the basin / outfall ID contributing to the improvement or degradation.

Section III. Fiscal Analysis

<i>Program Element</i>	<i>Annual Expenditure</i>	<i>2017 Budget</i>	<i>Source of Funds</i>
Public Involvement, Education and Outreach	Staff Time \$2,354.45 SWWT	Staff Time \$1321.48 SWWT	General Funds (Tax Revenue)
IDDE	Staff Time \$500.00 Supplies	Staff Time \$500.00 Supplies	General Funds (Tax Revenue)
Construction Site Pollutant Control	Staff Time \$ 15,000.00	Staff Time \$ 10,000.00	General Funds (Tax Revenue) Capital Funds (Borrowing) Capitals Fund (TID #6)
Post-Construction Storm Water Management	Staff Time \$100,000.00	Staff Time	General Funds (Tax Revenue) Capital Funds (TID #6)
Pollution Prevention	Staff Time	Staff Time	General Funds (Tax Revenue)
Street Sweeping	Staff Time	Staff Time	General Funds (Tax Revenue)
Catch Basin Cleaning	Staff Time	Staff Time	General Funds (Tax Revenue)
Leaf Collection	Staff Time	Staff Time	General Funds (Tax Revenue)
BMP Inspection and Maintenance	Staff Time	Staff Time	General Funds (Tax Revenue)
Storm Water Quality Management	N/A	N/A	N/A
Other	200 Hrs Civil Engineer	300 Hrs Civil Engineer	General Funds (Tax Revenue)

Section IV. Certification Statement

I hereby certify that I am an authorized representative of the municipality covered under the MS4 permit for which this annual report is being submitted and that the information contained in this document and all attachments were gathered and prepared under my direction or supervision. Based on my inquiry of the person or persons under my direction or supervision involved in the preparation of this document, to the best of my knowledge, the information is true, accurate, and complete. I further certify that the municipality's governing body or delegated representatives have reviewed and apprised of the contents of this annual report. I understand that Wisconsin law provides severe penalties for submitting false information.

Authorized Representative Printed Name:

Title:

Authorized Representative Signature:

Date Signed:

Public Involvement, Education/Outreach BMPs, Measurable Goals, and Progress

Municipal Storm Water Permit Section	Topic	Target Audience	Village Development Plan Review	Village Ordinances / Standard Specification	Village Facebook Page / Web Page	"Respect Our Waters" Campaign	Milwaukee Metropolitan Sewerage District Technical Advisory Team	Milwaukee Metropolitan Sewerage District Inspection '16 Conference	League of Wisconsin Municipalities 118th Annual Conference	American Public Works Assoc. Wisconsin 2016 Fall Conference	Menomonee River Watershed Permittees	Enforcements	
Part II. A	Public Involvement and Participation	AA	PC; VB	PWHC; VB		PWHC; VB					App		Staff Time DPW Projects (35%) Plan Reviews (25%) Policy Develop. (15%) Reg. Compliance (10%) Management (5%) Intergovernment (5%) Misc. (5%)
Part II. B	Public Education and Outreach	AA	Web	Web	Web	\$2,355 Don; SL	8 Mtg; 1 Per				2 Mtg		
Part II. B.I.a	Illicit discharges from municipal separate storm sewer systems and associated water quality impacts	AA		Ch 28		App					App	App	
Part II. B.I.b	Sources of pollutant loadings and habitat degradation	AA	App			App					App	App	
Part II. B.I.c	Storm water runoff from residential properties and potential pollutant sources such as pet waste, hazardous household waste, automobile care, and lawn care.	Con; HoA; Res; St	App	Web; Ch 27		App		1 Ev; 2 Per			App	App	
Part II. B.I.d	Storm water runoff from commercial properties and, where appropriate, educate sepecific businesses such as lawn care companies, golf courses, carwashes, and restaurants on pollution prevention.	Bus; Con; Dev; Engr	15	Ch 27; Ch 29		App		1 Ev; 2 Per			App	0	
Part II. B.I.e	Beneficial onsite reuse or proper management of leaves and grass clippings.	Bus; Con; DPW; Res		Web		App					App		
Part II. B.I.f	Restorative and protective management of streambanks and shorelines by riparian landowners to minimize erosion and restore and enhance the ecological value of waterways	Bus; Con; DPW; Res	App			App	App		1 Ev; 1 Per	1 Ev; 1 Per	App	App	Legend AA = All Audiences App = Applicable Bus = Businesses Ch = Chap. of Municipal Code Con = Contractors Dev = Developers Don = Donation DPW = Dept. of Public Works Engr = Engineers Ev = Events HoA = Home Owners Assoc. Mtg = Meeting PC = Planning Commission Per = Persons PWHC = Public Works & Highway Committee Re s = Residents St = Students SL = Support Letter V = Views VB = Village Board Web = Village Website
Part II. B.I.g	Infiltration and beneficial onsite reuse of residential storm water runoff from rooftops, driveways, and sidewalks through implementation of green infrastructure best management practices such as rain barrels, rain gardens, and permeable pavements.	HoA; Res	App	Ch 27		App	8 Mtg; 1 Per	1 Ev; 2 Per	1 Ev; 1 Per	1 Ev; 1 Per	App		
Part II. B.I.h	Proper design, installation, and maintenance of erosion and sediment control best management practices to minimize, with the intent of eliminating, sediment transport from construction sites. Highlight potential harmful effects on the environment from sediment in construction site runoff.	Bus; Con; DPW; Engr; Res	37	Ch 29		App					App	1	
Part II. B.I.i	Routine inspection and maintenance of storm water best management practices by homeowner associations	HoA; Res	App	Ch 27		App					App	App	
Part II. B.I.j	Watershed education and the contributions of point and nonpoint source pollution on waterbody and waterway impairments	AA				App		1 Ev; 2 Per			App		
Part II. B.I.k	BMPs for snow and ice removal and informing audiences about resources that provide further information on methods of reducing application of chemical deicers while maintaining public safety	Con; DPW; HoA; Res				App					App		

IDDE OUTFALL 5-YEAR SCREENING PLAN

OUTFALL	2013	2014	2015	2016	2017
GC01	X	X	X	X	X
GC02	X	X	X	X	X
GC03	X			X	
GC04	X	X	X	X	X
GC05	X		X		
JD01	X				
JD02		X			
JD03		X	X	X	
JD04	X	X	X	X	X
JD05		X	X		
JD06		X			
JD07			X		
MR01			X	X	
MR02			X		
MR03	X	X	X	X	X
MR04	X		X	X	
MR05			X	X	
MR06				X	
NX01		X	X	X	
NX02			X		X
NX03					X
NX04					X
WC01	X	X	X	X	X

Priority

Major

Any outfall having a pollutant approaching or exceeding thresholds will be tested the following year.

IDDE OUTFALL 5-YEAR HISTORY

OUTFALL SAMPLE EXCEEDED THRESHOLD

POLLUTANT	THRESHOLD	2011	2012	2013	2014	2015	2016
Ammonia	0.1 mg/L				JD03; JD05	JD-03; MR-01	
Detergents	0.5 mg/L						
pH	< 6, or > 9						
Total Chlorine	0.1 mg/L						
Total Copper	0.2 mg/L			GC05			
Phenols	0.1 mg/L		MR01; MR03; GC04	JD04; GC02; GC04; GC05;	GC02; GC04; JD03; JD04; JD05		
Fluoride	0.6 mg/L		WC01; MR04			MR-01	

The causes for the Ammonia readings of 0.3 mg/L at JD-03 and 0.2 mg/L at MR-01 are unknown and dissappeared with the follow up test.

The cause for the Fluoride readings of 0.95 +/- mg/L at outfall MR-01, was an upstream manufacturing plant (Gehl's) that has a WDPES Discharge Teir 2 Permit.

Prioritizing Drainage Areas Using Screening Factors for Illicit Discharge Potential (IDP) of Human Waste																
SEWRPC Subbasin (With Applicable Storm Sewersheds or Outfalls Nested Beneath)	Outfalls	Area (Arces)	Area (sq mi)	Past Discharge Complaints/ Flowing Outfalls During Dry Weather	Age of Development	Material / Condition of Pipe (NAASCO ratings)	Proximity of Sanitary and Stormwater Pipes - Score	Proximity of Sanitary and Stormwater Pipes - Ranking*	Parcels/ Square Mile - Score	Parcels/ Square Mile - Ranking*	Optional/ Other Poor Water Quality Indicator	Human IDP Raw Score	Human IDP Normalized Score**	Additional Factors***	Final Score	Final Rank
Goldendale Creek																
	GC01	98	0.153125	3	1	1	1	21	1	21		7	1.40		1.40	18
	GC02	24	0.0375	3	1	1	2	15	2	11		9	1.80		1.80	14
	GC03	162	0.253125	3	1	1	2	14	2	14		9	1.80		1.80	15
	GC04	85	0.1328125	3	1	1	3	7	2	15	Phenols	10	2.00		2.00	4
	GC05	20	0.03125	1	1	1	1	21	1	21		5	1.00		1.00	22
Menomonee River																
	MR01	73	0.1140625	3	2	2	1	19	3	5		11	2.20		2.20	9
	MR02	154	0.240625	1	1	1	2	17	2	16		7	1.40		1.40	17
	MR03	148	0.23125	3	1	2	2	9	3	7	Ammonia	11	2.20		2.20	2
	MR04	69	0.1078125	3	1	2	2	18	1	18	Flouride	9	1.80		1.80	7
	MR05	67	0.1046875	3	1	2	3	6	3	4		12	2.40		2.40	8
Willow Creek																
	WC01	262	0.409375	3	1	2	2	13	2	12	Flouride, Phenols	10	2.00		2.00	3
Jefferson Ditch																
	JD01	147	0.2296875	1	1	2	2	11	2	9		8	1.60		1.60	16
	JD02	102	0.159375	1	1	1	3	4	3	2		9	1.80		1.80	13
	JD03	77	0.1203125	3	1	1	2	16	2	13	Phenols, Ammonia	9	1.80		1.80	5
	JD04	55	0.0859375	3	1	2	3	3	3	1	Phenols	12	2.40		2.40	1
	JD05	86	0.134375	3	1	1	2	12	2	10	Phenols	9	1.80		1.80	6
	JD06	59	0.0921875	1	1	1	3	10	3	3		9	1.80		1.80	12
	JD07	131	0.2046875	3	1	2	3	2	2	6		11	2.20		2.20	10
North Crossway Channel																
	NX01	78	0.121875	1	1	1	3	5	1	17		7	1.40		1.40	19
	NX02	135	0.2109375	1	1	1	1	20	1	20		5	1.00		1.00	21
	NX03	100	0.15625	1	1	1	3	8	1	19		7	1.40		1.40	20
	NX04	137	0.2140625	3	1	1	3	1	2	8		10	2.00		2.00	11

ILLCIT DISCHARGE INSPECTION FORM

Pipe / Outfall Location & Description: GC - 01 Pipe Size: Dual 48" RCP Discharge Pipe

Basin Area: 162 Acres

Location: Existing discharge pipes are located on the South side of Holy Hill Road, approximately 1670 L.F. West of the intersection of Maple Road.

Inspector's Names: Eric Bartlein

Date of Inspection: 12/7/2016

Date & amount of last rainfall: 12/4/16 0.31 in.

Is pipe/outfall active? No

Ambient Temperature: 21°F

Water Temperature: N/A°F



OUTFALL SCREENING RESULTS

FIRST SAMPLE Date/Time: No Sample Taken

OBSERVATIONS

Color: N/A
Odor: N/A
Turbidity: N/A
Floatables: N/A
Surface Sheen: N/A

SAMPLE RESULTS (Expected Range/Level)

pH: N/A (6.0 < sample < 9.0)
Detergent: N/A mg/L (sample < 0.5)
Ammonia: N/A mg/L (sample < 0.1)
Copper: N/A mg/L (sample < 0.2)
Phenols: N/A mg/L (sample < 0.1)
Fluoride: N/A mg/L (sample < 0.6)
Chlorine: N/A mg/L (sample < 1.0)

FLOW/DISCHARGE ESTIMATE

Velocity: slow (<2 ft/s) Moderate (2-5 ft/s) Fast (> 5 ft/s) Water Level in Pipe/Channel: N/A inches.

Additional Comments/Observations: No Flow, stagnant water sitting in the ditch in front of the flared end sections.

**VILLAGE OF GERMANTOWN, WI
ILLCIT DISCHARGE INSPECTION FORM**

Pipe / Outfall Location & Description: GC-02 **Pipe Size:** 4' x 16' (Bridge)

Basin Area: 24 Acres

Location: West side of McCormick Drive between Fulton Drive and Edison Drive. Approximately 630' North of McCormick Drive

Inspector's Names: Eric Bartlein

Date of Inspection: 12/7/2016

Date & amount of last rainfall: 12/4/16 0.31 in

Is outfall active: No

Ambient Temperature: 22 °F

Water Temperature: N/A °F



OUTFALL SCREENING RESULTS

FIRST SAMPLE **Date/Time:** No Sample Taken

OBSERVATIONS

Color: N/A
Odor: N/A
Turbidity: N/A
Floatables: N/A
Surface Sheen: N/A

SAMPLE RESULTS

(Expected Range/Level)
pH: N/A (6.0 < sample > 9.0)
Detergent: N/A mg/L (sample < 0.5)
Chlorine: N/A mg/L (sample < 1.0)
Copper: N/A mg/L (sample < 0.2)
Phenols: N/A mg/L (sample < 0.1)
Fluoride: N/A mg/L (sample < 0.6)
Ammonia: N/A mg/L (sample < 0.1)

FLOW/DISCHARGE ESTIMATE

Velocity: slow (<2 ft/s) Moderate (2-5 ft/s) Fast (> 5 ft/s)

Water Level in Pipe/Channel: N/A inches.

Additional Comments/Observations: No Flow, water is stagnant. Ice is starting to form. The last amount of precipitation was snow.

**VILLAGE OF GERMANTOWN, WI
ILLCIT DISCHARGE INSPECTION FORM**

Pipe / Outfall Location & Description: GC-03 Pipe Size: 42" RCP Discharge Pipe

Basin Area: 107 Acres

Location: The discharge pipe is located north side of Freistadt Road, 620' east of McCormick Drive.

Inspector's Names: Eric Bartlein

Date of Inspection: 12/9/2016

Date & amount of last rainfall: 12/4/16 0.31 in

Is outfall active: Yes

Ambient Temperature: 19 °F

Water Temperature: 36.3 °F



OUTFALL SCREENING RESULTS

FIRST SAMPLE Date/Time: 8:32 a.m.

OBSERVATIONS

Color: Clear

Odor: None

Turbidity: None

Floatables: None

Surface Sheen: None

SAMPLE RESULTS (Expected Range/Level)

pH: 8.19 (6.0 < sample > 9.0)

Detergent: 0.0 mg/L (sample < 0.5)

Chlorine: 0.0 mg/L (sample < 1.0)

Copper: 0.0 mg/L (sample < 0.2)

Phenols: 0.0 mg/L (sample < 0.1)

Fluoride: 0.0 mg/L (sample < 0.6)

Ammonia: 0.0 mg/L (sample < 0.1)

FLOW/DISCHARGE ESTIMATE

Velocity: slow (<2 ft/s) Moderate (2-5 ft/s) Fast (> 5 ft/s)

Water Level in Pipe/Channel: 2 inches.

Additional Comments/Observations: Very slow flow. Ice starting to form. The last precipitation was snow.

**VILLAGE OF GERMANTOWN, WI
ILLCIT DISCHARGE INSPECTION FORM**

Pipe / Outfall Location & Description: GC-04 Pipe Size: 29" x 45" Culvert

Basin Area: 85 Acres

Location: 100' (+/-) East of the most Easterly entrance of Cove Lane on the South side of Freistadt Road

Inspector's Names: Eric Bartlein

Date of Inspection: 12/7/2016

Date & amount of last rainfall: 12/4/16 0.31 in

Is outfall active: No

Ambient Temperature: 21 °F

Water Temperature: N/A °F



OUTFALL SCREENING RESULTS

FIRST SAMPLE Date/Time: No Sample Taken

OBSERVATIONS

Color: N/A

Odor: N/A

Turbidity: N/A

Floatables: N/A

Surface Sheen: N/A

SAMPLE RESULTS (Expected Range/Level)

pH: N/A (6.0 < sample > 9.0)

Detergent: N/A mg/L (sample < 0.5)

Chlorine: N/A mg/L (sample < 1.0)

Copper: N/A mg/L (sample < 0.2)

Phenols: N/A mg/L (sample < 0.1)

Fluoride: N/A mg/L (sample < 0.6)

Ammonia: N/A mg/L (sample < 0.1)

FLOW/DISCHARGE ESTIMATE

Velocity: slow (<2 ft/s) Moderate (2-5 ft/s) Fast (> 5 ft/s)

Water Level in Pipe/Channel: N/A inches.

Additional Comments/Observations: No Flow, water is stagnant in front of the pipe. The last precipitation was snow.

**VILLAGE OF GERMANTOWN, WI
ILLCIT DISCHARGE INSPECTION FORM**

Pipe / Outfall: JD-03

Pipe Size: 48" RCP Culvert

Basin Area: 77 Acres

Location: Located north of Fieldstone Pass, approximately 600 ft east Auburn Lane. Behind the properties W160 N10674 and N106 W16124 Fieldstone Pass

Inspector's Names: Eric Bartlein

Date of Inspection: 12/7/2016

Date & amount of last rainfall: 12/4/16 0.31 in.

Is pipe/outfall active: Yes

Ambient Temperature: 25°F

Water Temperature: 47.2°F



OUTFALL SCREENING RESULTS

FIRST SAMPLE Date/Time: 12/7/2016 11:37 am

OBSERVATIONS

Color: Clear
Odor: None
Turbidity: None
Floatables: None
Surface Sheen: None

SAMPLE RESULTS (Expected Range/Level)

pH: 7.74 (6.0 < sample < 9.0)
Detergent: 0.0 mg/L (sample < 0.5)
Chlorine: 0.0 mg/L (sample < 1.0)
Copper: 0.0 mg/L (sample < 0.2)
Phenols: 0.0 mg/L (sample < 0.1)
Fluoride: 0.0 mg/L (sample < 0.6)
Ammonia: 0.0 mg/L (sample < 0.1)

FLOW/DISCHARGE ESTIMATE

Velocity: slow (<2 ft/s) Moderate (2-5 ft/s) Fast (> 5 ft/s) Water Level in Pipe/Channel: 1.5 inches.

Additional Comments/Observations: Slow Flow. Some Blockage. Tribute the flow to running sump pumps and snow melt runoff from yards. The last precipitation was from snow.

**VILLAGE OF GERMANTOWN, WI
ILLCIT DISCHARGE INSPECTION FORM**

Pipe / Outfall: JD-04 Pipe Size: 48" RCP

Basin Area: 55 Acres

Location: 48" RCP pipe outfall is in Alt Bauer Park, West of Wagon Trail at Fieldstone Pass. Storm line runs between W165 N10681 & W165 N10669 Wagon Trail. ST 273-165

Inspector's Names: Eric Bartlein

Date of Inspection: 12/7/2016

Date & amount of last rainfall: 12/4/16 0.31 in.

Is pipe/outfall active? Yes

Ambient Temperature: 22 °F

Water Temperature: 50.4 °F



OUTFALL SCREENING RESULTS

FIRST SAMPLE Date/Time: 12/7/2016 10:56 a.m.

OBSERVATIONS

Color: Clear
Odor: None
Turbidity: None
Floatables: None
Surface Sheen: None

SAMPLE RESULTS (Expected Range/Level)

pH: 7.72 (6.0 < sample > 9.0)
Detergent: 0.00 mg/L (sample < 0.5)
Ammonia 0.00 mg/L (sample < 0.1)
Copper: 0.00 mg/L (sample < 0.2)
Phenols: 0.0 mg/L (sample < 0.1)
Fluoride 0.07 mg/L (sample < 0.6)
Chlorine: 0.0 mg/L (sample < 1.0)

FLOW/DISCHARGE ESTIMATE

Velocity: slow (<2 ft/s) Moderate (2-5 ft/s) Fast (> 5 ft/s)

Water Level in Pipe/Channel: 1 inch.

Additional Comments/Observations: Water was low and clear. The flow was slow. The water level height was taken from a concrete slab in front of the flared end section because it was creating a weir. Tribute the flow from sump pumps and from the last of the snow melt runoff. The last precipitation was from snow.

**VILLAGE OF GERMANTOWN, WI
ILLCIT DISCHARGE INSPECTION FORM**

Pipe / Outfall: MR-01 Pipe Size: 38" x 60" (reduces at outfall)

Basin Area: 73 acres Location: Behind storage building at an abandoned quarry, west of Park Avenue

Inspector's Names: Eric Bartlein

Date of Inspection: 12/9/2016

Date & amount of last rainfall: 12/4/16 0.31 in.

Is pipe/outfall active? Yes

Ambient Temperature: 21 °F

Water Temperature: 54.4 °F



OUTFALL SCREENING RESULTS

FIRST SAMPLE Date/Time: 9:18 a.m.

OBSERVATIONS

Color: Clear

Odor: None

Turbidity: None

Floatables: None

Surface Sheen: None

SAMPLE RESULTS (Expected Range/Level)

pH: 8.34 (6.0 < sample < 9.0)

Detergent: 0.10 mg/L (sample < 0.5)

Chlorine: 0.0 mg/L (sample < 1.0)

Copper: 0.0 mg/L (sample < 0.2)

Phenols: 0.0 mg/L (sample < 0.1)

Fluoride: 0.18 mg/L (sample < 0.6)

Ammonia: 0.0 mg/L (sample < 0.1)

FLOW/DISCHARGE ESTIMATE

Velocity: slow (<2 ft/s) **Moderate (2-5 ft/s)** Fast (> 5 ft/s)

Water Level in Pipe/Channel: 1.0 inches.

Additional Comments/Observations: Good Constant Flow, Very Clear Water.

**VILLAGE OF GERMANTOWN, WI
ILLCIT DISCHARGE INSPECTION FORM**

Pipe / Outfall Location & Description: MR-03 **Pipe Size:** 48" RCP Culvert

Basin Area: 148 Acres

Location: North of Mequon Road Approx. 900' of Squire Drive.

Inspector's Names: Eric Bartlein

Date of Inspection: 12/7/2016

Date & amount of last rainfall: 12/4/16 0.31 in

Is outfall active: No

Ambient Temperature: 23 °F

Water Temperature: N/A °F



OUTFALL SCREENING RESULTS

FIRST SAMPLE **Date/Time:** No Sample Taken

OBSERVATIONS

Color: N/A

Odor: N/A

Turbidity: N/A

Floatables: N/A

Surface Sheen: N/A

SAMPLE RESULTS (Expected Range/Level)

pH: N/A (6.0 < sample > 9.0)

Detergent: N/A mg/L (sample < 0.5)

Chlorine: N/A mg/L (sample < 1.0)

Copper: N/A mg/L (sample < 0.2)

Phenols: N/A mg/L (sample < 0.1)

Fluoride: N/A mg/L (sample < 0.6)

Ammonia: N/A mg/L (sample < 0.1)

FLOW/DISCHARGE ESTIMATE

Velocity: slow (<2 ft/s) Moderate (2-5 ft/s) Fast (> 5 ft/s)

Water Level in Pipe/Channel: N/A inches.

Additional Comments/Observations: No Flow, stagnant water in front of the pipe. The last precipitation was snow.

**VILLAGE OF GERMANTOWN, WI
ILLCIT DISCHARGE INSPECTION FORM**

Pipe / Outfall Location & Description: MR-04 **Pipe Size:** 48" CMP Discharge Culvert Pipe

Basin Area: 69 Acres

Location: Located on Mequon Road at the northeast corner of Mequon Road and Lannon Road.

Inspector's Names: Eric Bartlein

Date of Inspection: 12/7/2016

Date & amount of last rainfall: 12/4/16 0.31 in

Is outfall active: No

Ambient Temperature: 25 °F

Water Temperature: N/A °F



OUTFALL SCREENING RESULTS

FIRST SAMPLE **Date/Time:** No Sample Taken

OBSERVATIONS

Color: N/A

Odor: N/A

Turbidity: N/A

Floatables: N/A

Surface Sheen: N/A

SAMPLE RESULTS (Expected Range/Level)

pH: N/A (6.0 < sample > 9.0)

Detergent: N/A mg/L (sample < 0.5)

Chlorine: N/A mg/L (sample < 1.0)

Copper: N/A mg/L (sample < 0.2)

Phenols: N/A mg/L (sample < 0.1)

Fluoride: N/A mg/L (sample < 0.6)

Ammonia: N/A mg/L (sample < 0.1)

FLOW/DISCHARGE ESTIMATE

Velocity: slow (<2 ft/s) Moderate (2-5 ft/s) Fast (> 5 ft/s)

Water Level in Pipe/Channel: N/A inches.

Additional Comments/Observations: No Flow.

**VILLAGE OF GERMANTOWN, WI
ILLCIT DISCHARGE INSPECTION FORM**

Pipe / Outfall Location & Description: MR-05 **Pipe Size:** 48" RCP Discharge Pipe

Basin Area: 131 Acres

Location: Northeast corner of the intersection of Division Road and Revere Lane. Culvert crosses Revere Lane.

Inspector's Names: Eric Bartlein

Date of Inspection: 12/7/2016

Date & amount of last rainfall: 12/4/16 0.31 in

Is outfall active: No

Ambient Temperature: 25 °F

Water Temperature: N/A °F



OUTFALL SCREENING RESULTS

FIRST SAMPLE **Date/Time:** No Sample Taken

OBSERVATIONS

Color: N/A

Odor: N/A

Turbidity: N/A

Floatables: N/A

Surface Sheen: N/A

SAMPLE RESULTS

(Expected Range/Level)

pH: N/A (6.0 < sample > 9.0)

Detergent: N/A mg/L (sample < 0.5)

Chlorine: N/A mg/L (sample < 1.0)

Copper: N/A mg/L (sample < 0.2)

Phenols: N/A mg/L (sample < 0.1)

Fluoride: N/A mg/L (sample < 0.6)

Ammonia: N/A mg/L (sample < 0.1)

FLOW/DISCHARGE ESTIMATE

Velocity: slow (<2 ft/s) Moderate (2-5 ft/s) Fast (> 5 ft/s)

Water Level in Pipe/Channel: N/A inches.

Additional Comments/Observations: No Flow, pool of water in front flared end section stagnant. The pool has a small oil sheen to it.

**VILLAGE OF GERMANTOWN, WI
ILLICIT DISCHARGE INSPECTION FORM**

Pipe / Outfall Location & Description: MR-06 **Pipe Size:** 12" and 15" Discharge Pipes

Basin Area: 5.5 Acres

Location: N122 W17177 Fond Du Lac Ave, north access on
Division Road.

Inspector's Names: Eric Bartlein

Date of Inspection: 12/9/2016

Date & amount of last rainfall: 12/4/16 0.31 in

Is outfall active: No

Ambient Temperature: 21 °F

Water Temperature: N/A °F



OUTFALL SCREENING RESULTS

FIRST SAMPLE **Date/Time:** No Sample Taken

OBSERVATIONS

Color: N/A

Odor: N/A

Turbidity: N/A

Floatables: N/A

Surface Sheen: N/A

SAMPLE RESULTS

(Expected Range/Level)

pH: N/A (6.0 < sample > 9.0)

Detergent: N/A mg/L (sample < 0.5)

Chlorine: N/A mg/L (sample < 1.0)

Copper: N/A mg/L (sample < 0.2)

Phenols: N/A mg/L (sample < 0.1)

Fluoride: N/A mg/L (sample < 0.6)

Ammonia: N/A mg/L (sample < 0.1)

FLOW/DISCHARGE ESTIMATE

Velocity: slow (<2 ft/s) Moderate (2-5 ft/s) Fast (> 5 ft/s)

Water Level in Pipe/Channel: N/A inches.

Additional Comments/Observations: No flow, sitting water in the ditch has frozen.

**VILLAGE OF GERMANTOWN, WI
ILLCIT DISCHARGE INSPECTION FORM**

Pipe / Outfall Location & Description: NX-01 **Pipe Size:** 54" RCP Discharge Pipe

Basin Area: 78 Acres

Location: Existing discharge pip is located on the Northwest corner of the TIF 4 detention pond, East side of Washington Drive. Approx. 925' South of the intersection of Washington & Ellsworth Drive.

Inspector's Names: Eric Bartlein

Date of Inspection: 12/9/2016

Date & amount of last rainfall: 12/4/16 0.31 in

Is outfall active: No

Ambient Temperature: 21 °F

Water Temperature: N/A °F



OUTFALL SCREENING RESULTS

FIRST SAMPLE **Date/Time:** No Sample Taken

OBSERVATIONS

Color: N/A

Odor: N/A

Turbidity: N/A

Floatables: N/A

Surface Sheen: N/A

SAMPLE RESULTS (Expected Range/Level)

pH: N/A (6.0 < sample > 9.0)

Detergent: N/A mg/L (sample < 0.5)

Chlorine: N/A mg/L (sample < 1.0)

Copper: N/A mg/L (sample < 0.2)

Phenols: N/A mg/L (sample < 0.1)

Fluoride: N/A mg/L (sample < 0.6)

Ammonia: N/A mg/L (sample < 0.1)

FLOW/DISCHARGE ESTIMATE

Velocity: slow (<2 ft/s) Moderate (2-5 ft/s) Fast (> 5 ft/s)

Water Level in Pipe/Channel: N/A inches.

Additional Comments/Observations: No Flow, water sits halfway up through the pipe. All frozen.

**VILLAGE OF GERMANTOWN, WI
ILLCIT DISCHARGE INSPECTION FORM**

Pipe / Outfall Location & Description: WC-01 **Pipe Size:** 48" RCP Discharge Pipe

Basin Area: 262 Acres

Location: South side Of Mequon Road approximately East of the intersection of Mequon road & Carnegie Drive.

Inspector's Names: Eric Bartlein

Date of Inspection: 12/9/2016

Date & amount of last rainfall: 12/4/16 0.31 in

Is outfall active: Yes

Ambient Temperature: 20 °F

Water Temperature: 41 °F



OUTFALL SCREENING RESULTS

FIRST SAMPLE **Date/Time:** 8:51 a.m.

OBSERVATIONS

Color: Clear
Odor: None
Turbidity: None
Floatables: None
Surface Sheen: None

SAMPLE RESULTS

(Expected Range/Level)
pH: 8.52 (6.0 < sample > 9.0)
Detergent: 0.0 mg/L (sample < 0.5)
Chlorine: 0.0 mg/L (sample < 1.0)
Copper: 0.0 mg/L (sample < 0.2)
Phenols: 0.0 mg/L (sample < 0.1)
Fluoride: 0.05 mg/L (sample < 0.6)
Ammonia: 0.0 mg/L (sample < 0.1)

FLOW/DISCHARGE ESTIMATE

Velocity: slow (<2 ft/s) Moderate (2-5 ft/s) Fast (> 5 ft/s)

Water Level in Pipe/Channel: 5.5 inches.

Additional Comments/Observations: Very slow flow, large blockage downstream. Also, dirt pile up in front of flared end section.

**VILLAGE OF GERMANTOWN, WI
ILLCIT DISCHARGE INSPECTION FORM**

Type of Storm Drainage (Circle one): Catch Basin Ditch **Outfall** Pond

Environment (Circle one): **Industrial** Commercial Residential Other:

Location: Cain Industries – West Discharge Pipe to the Wago Pond on Freistadt Road

Reported By: Unknown

Inspector's Name: Eric Bartlein

Date of Inspection: 8/22/2016

Ambient Temperature: 77°F

Water Temperature: 72.4°F

OUTFALL SCREENING RESULTS

Date/Time:

OBSERVATIONS

Color: Clear

Odor: None

Turbidity: None

Floatables: None

Surface Sheen: None

SAMPLE RESULTS (Expected Range/Level)

pH: 7.60 (6.0 < sample > 9.0)

Detergent: 0.0 mg/L (sample < 0.5)

Chlorine: 0.20 mg/L (sample < 1.0)

Copper: mg/L (sample < 0.2)

Phenols: mg/L (sample < 0.1)

Fluoride: 0.17 mg/L (sample < 0.6)

Ammonia: mg/L (sample < 0.1)

Additional Comments/Observations:

Water Level still high form the rain on the weekend before.

Perform an onsite inspect with DNR staff.

Result: Nothing Suspect.

Eric Bartlein

From: Jay Olszewski
Sent: Monday, January 30, 2017 2:47 PM
To: Eric Bartlein
Subject: RE: Few more questions for the MS\$ permit

Eric,

1. 200/300 lbs/lane mile (very weather dependent)
2. Yes we pre wet with salt brine
3. Yes trucks are calibrated annually and
4. We purchase salt brine from Washington Cty.

Jay

From: Eric Bartlein
Sent: Monday, January 30, 2017 1:54 PM
To: Jay Olszewski
Subject: Few more questions for the MS\$ permit

Afternoon Jay,

I have a few more questions about the salting operation I missed:

1. Average Application Rate (lbs/road mile)?
2. Do you prewet the salt?
3. Trucks calibrated?
4. Source of brine/brine making equipment?

Thanks,

Eric Bartlein

Village of Germantown
Civil Engineer

(262) 250-4723 Work
(262) 483-6792 Mobile
eric@village.germantown.wi.us
N112 W17001 Mequon Rd.
P.O. Box 337
Germantown, WI 53022-0337

Eric Bartlein

From: Jay Olszewski
Sent: Tuesday, January 24, 2017 1:33 PM
To: Tim Zimmerman; Eric Bartlein
Subject: RE: Highway and Recycling Data for the WPDES Annual Report

Eric,

539 Manhours street sweeping
36,528 gallons of water used
103 yards of waste

185 man hours leaf collection
8,150 gallons of water used
333 yards of leaves

2015-2016 Salt use

5 salt brine operations
2,000 gallons used
10/16/15 first operation
12/3/15 last operation

Annual in house meeting 12/14/16
Fist Operation 11/21/15
Last Operation 4/2/16
34 operations
2,756 tons of salt used

From: Tim Zimmerman
Sent: Tuesday, January 24, 2017 10:36 AM
To: Eric Bartlein; Jay Olszewski
Subject: RE: Highway and Recycling Data for the WPDES Annual Report

Used oil 3300 gallons
Antifreeze 220 gallons
Oil filters – 4 – 55 gallon drums uncrushed

Recycling Center traffic volumes are from Janice

From: Eric Bartlein
Sent: Monday, January 23, 2017 10:12 AM
To: Jay Olszewski; Tim Zimmerman
Subject: Highway and Recycling Data for the WPDES Annual Report

Morning Jay and Tim,

Can you provide me with this information for 2016?

Thanks,

**Southeastern Wisconsin Watersheds
Trust, Inc.**

600 E Greenfield Ave
Milwaukee, WI 53204
(414) 382-1766
<http://www.swwtwater.org/>



INVOICE

BILL TO

Eric Bartlein
Village Engineer
Village of Germantown
PO Box 337
Germantown, WI 53022

INVOICE # 1122

DATE 01/01/2017

DUE DATE 01/31/2017

TERMS Net 30

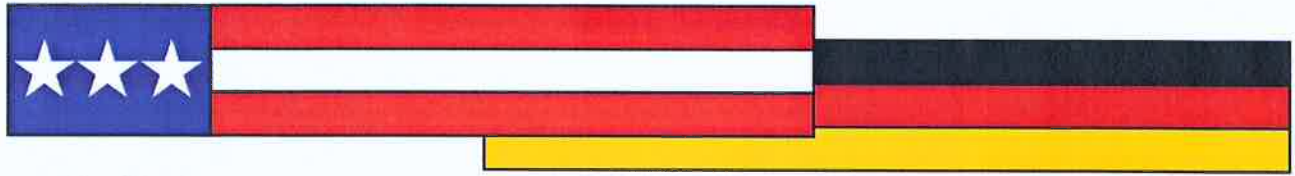
ACTIVITY	AMOUNT
2017 Respect Our Waters Program	1,321.48

Thanks so much!

BALANCE DUE

\$1,321.48

Village of



Germantown

WASHINGTON COUNTY
WISCONSIN

2016 MMSD CHAPTER 13 ANNUAL REPORT

Village of Germantown

Public Works & Highway Committee: March 7, 2017

Village Board: March 20, 2017

N112 W17001 Mequon Road
P.O. Box 337
Germantown, WI 53022

Phone: (262) 250-4720

Fax: (262) 253-8255

Chapter 13 Annual Report

Annual reports are due on or before April 30th of each year for the preceding calendar year and must be organized by watershed.

Municipality: Village of Germantown

Date Submitted: 2/21/2017
Submitted for calendar year: 2016

A. WPDES STORMWATER PERMIT

Attach a copy of WDNR required annual report.

B. Inspection and Maintenance Activities [sec 13.12(3)(g)]

Watershed	Name of Approval Project	Inspection/Maintenance Activities
Menomonee	TID #6	Constructed 4 Storm Water Ponds.
Menomonee	TID #4	Inspected Regional Storm Water Pond.
Menomonee	Skyline (Sport Specialists)	Plan Review. Site Inspections.
Menomonee	All-Temp	Plan Review. Site Inspections.
Menomonee	Germantown Memory Care	Site Inspections.

C. Proposed Developments

Summary of foreseeable projects subject to sec. 13.10.

Watershed	Project Name	Size of Project	New Impervious Area (acres)	Anticipated Construction Year
Menomonee	Saxony Village	23.67 acres	7.02 acres	2017
Menomonee	Presbyterian Homes	34.97 acres	4.82 acres	2017
Menomonee	Gehl's Parking Lot	0.65 acres	0.12 acres	2017
Menomonee	Goldendale Multi-Tenant	4.82 acres	1.87 acres	2017

D. Storm Sewer/Culvert Modifications

List projects which increased or will increase storm sewer to greater than 36" diameter or increase capacity of existing stormwater conveyance systems or outfalls.

Watershed	Project Name	Previous Size (inch-diameter)	Previous Capacity (cfs)	New Size (inch-diameter)	New Capacity (cfs)
	None				

E. Runoff Reduction

List projects that have reduced runoff by removal of impervious surfaces.

Watershed	Project Name	Impervious Area Removed (acres)	Impervious Area Transferred (acres)	Name of Project Transferred To	Date Transfer Occurred
	None				

F. Multi-jurisdictional Watershed Projects

Watershed	Project Name	Governmental Units Involved	Size of Development (acres)
	None		

For each project identified above, include a discussion relating to the status.

G. Any other plans to increase/decrease runoff volume or peak flow

Watershed	Project Name, if applicable	Increase/Decrease Volume (ft ³)	Increase/Decrease Peak Flow (cfs)
	None		

Include a discussion of plans that will reduce runoff management requirements for new impervious surface in response to the removal of impervious surfaces at other sites.

**BUSINESS OF THE PUBLIC WORKS & HIGHWAY COMMITTEE
GERMANTOWN, WI**

MEETING DATE: March 7, 2017

AGENDA ITEM: New Business L

ITEM TITLE: Ordinance Revisions – Chapter 27 “Post-Construction Stormwater Management”

SUBMITTED BY: Eric Bartlein, Civil Engineer

SUMMARY EXPLANATION:

Village Ordinance Chapter 27.07(1) requires Storm Water Management Plans (SWMP) to use the “SCS Type II 24-hour rainfall distribution”. Milwaukee Metro Sewer District (MMSD) no longer accepts this distribution for SWMPs. Staff recommends to change the current ordinance to reflect MMSD current rainfall distribution requirements. The SCS Type II 24-hour should be omitted and replaced with “SWERPC 2006 Regional Rainfall Distribution” and/or “24-hour NRCS MSE3 Distribution”.

ATTACHMENTS:

- Current Ordinance
- Revised Ordinance

RECOMMENDATION:

Staff recommends The Public Works and Highway Committee adopt the proposed ordinance revision.

COMMITTEE ACTION:

Proper parliamentary procedure to deny a request is to have a motion made in the affirmative and by voting NAY would deny the request if a majority vote.

Current Ordinance

27.07 - TECHNICAL STANDARDS.(Am. Ord. #13-09; Am. Ord. #07-14)

The following resources and the methodologies contained therein are hereby adopted by reference in their entirety, and shall be used in designing the water quality, peak flow control, and infiltration components of stormwater practices needed to meet the water quality standards of this chapter:

- (1) Village of Germantown Stormwater Management Requirements, as promulgated and amended from time to time by the Village of Germantown Engineering Department, and as shall be approved by the Public Works Committee of the Village Board. (Runoff rates and quantities shall be analyzed using methodology as described in Urban Hydrology for Small Watersheds, USDA SCS Technical Release TR-55, using the Type II 24-hour rainfall distribution.)
- (2) Ch. 13, MMSD Rules and Regulations. (Am. Ord. #22-10)
- (3) Technical standards (a.k.a., Conservation Practice Standards) identified, developed or disseminated by the Wisconsin Department of Natural Resources under Wis. Adm. Code Subch. V of NR Ch. 151. (Am. Ord. #22-10)
- (4) In this chapter, the Village of Germantown design storm shall be based on NOAA Atlas 14, Precipitation-Frequency Atlas of the United States, Volume 8, Version 2.0: Midwestern States (Colorado, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Oklahoma, South Dakota, Wisconsin).

Revised Ordinance

27.07 - TECHNICAL STANDARDS.(Am. Ord. #13-09; Am. Ord. #07-14)

The following resources and the methodologies contained therein are hereby adopted by reference in their entirety, and shall be used in designing the water quality, peak flow control, and infiltration components of stormwater practices needed to meet the water quality standards of this chapter:

- (1) Village of Germantown Stormwater Management Requirements, as promulgated and amended from time to time by the Village of Germantown Engineering Department, and as shall be approved by the Public Works Committee of the Village Board. (Runoff rates and quantities shall be analyzed using methodology as described in Urban Hydrology for Small Watersheds, USDA SCS Technical Release TR-55, using either the SWERPC 2006 Regional Rainfall Distribution or the 24-hour NRCS MSE3 Distribution.)
- (2) Ch. 13, MMSD Rules and Regulations. (Am. Ord. #22-10)
- (3) Technical standards (a.k.a., Conservation Practice Standards) identified, developed or disseminated by the Wisconsin Department of Natural Resources under Wis. Adm. Code Subch. V of NR Ch. 151. (Am. Ord. #22-10)
- (4) In this chapter, the Village of Germantown design storm shall be based on NOAA Atlas 14, Precipitation-Frequency Atlas of the United States, Volume 8, Version 2.0: Midwestern States (Colorado, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Oklahoma, South Dakota, Wisconsin).

**BUSINESS OF THE PUBLIC WORKS & HIGHWAY COMMITTEE
GERMANTOWN, WI**

MEETING DATE: March 7, 2017

AGENDA ITEM: New Business 

ITEM TITLE: Request to Approve \$1321.48 Contribution to SWEET Water Regional NR216 Education & Outreach Efforts for Village's MS4 Storm Water Permit

SUBMITTED BY: Eric Bartlein, Civil Engineer

SUMMARY EXPLANATION:

The Village's Municipal Separate Storm Sewer System (MS4) storm water permit with the Menomonee River municipalities requires the Village to engage in public Education & Outreach (E&O) efforts regarding environmental stewardship and storm water management topics. Instead of each municipality engaging in its own efforts and duplicating efforts, we have each been contributing to a pool managed by SWEET Water. SWEET Water then contracted an advertising agency to conduct the effort. SWEET Water has also successfully obtained supplemental grant monies in the past, and advertising agencies have managed to obtain discounted and supplemental donated times from numerous news agencies.

Staff recommends approval.

ATTACHMENTS:

- SWEET Water letter

COMMITTEE ACTION:

Proper parliamentary procedure to deny a request is to have a motion made in the affirmative and by voting NAY would deny the request if a majority vote.

**Southeastern Wisconsin Watersheds
Trust, Inc.**

600 E Greenfield Ave
Milwaukee, WI 53204
(414) 382-1766
<http://www.swwtwater.org/>



INVOICE

BILL TO

Eric Bartlein
Village Engineer
Village of Germantown
PO Box 337
Germantown, WI 53022

INVOICE # 1122

DATE 01/01/2017

DUE DATE 01/31/2017

TERMS Net 30

ACTIVITY	AMOUNT
2017 Respect Our Waters Program	1,321.48

Thanks so much!

BALANCE DUE

\$1,321.48