

VILLAGE OF GERMANTOWN
N112 W17001 MEQUON ROAD
GERMANTOWN, WI 53022

*****AMENDED*****

MEETING: **PUBLIC WORKS & HIGHWAY COMMITTEE**

DATE AND TIME: **TUESDAY, April 5, 2016 ***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:** March 1, 2016 and March 21, 2016
- 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. **UNFINISHED BUSINESS:**
 - A. Update on Shallow Well Investigation - Discussion
- VI. **NEW BUSINESS:**
 - ***
 - A. Replacement of Private Well Pump – W204 N9767 Lannon Road
 - B. Discussion – Grow Agreement for Trees
 - C. Authorization to Contract – Tree Replacement Project
 - D. Authorization to Contract – Replacement of Garage Doors - DPW
 - E. Authorization to Contract – Repair of Soffit and Fascia – P.D. Garage
 - F. Authorization to Purchase – Tractor with Broom and Blade
 - G. Authorization to Purchase – Used Vehicle for Engineering Dept. Inspector
 - ***
 - H. Approve 2015 WI DNR MS4 Annual Report
- VII. **NEXT MEETING DATE:** Set May, 2016 Meeting Date and Time
- VIII. **ANNOUNCEMENTS:**
- IX. **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

March 1, 2016
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. Bischke, and Secretary Wick.

PREVIOUS MINUTES: MOTION made by Warren, seconded by Zabel to approve the minutes of February 2, 2016.

Motion carried unanimously.

MAINTENANCE AGREEMENT – GENERAL COMMUNICATIONS: Supt. Olszewski reported General Communications agreed to extend the yearly maintenance agreement to a three year agreement holding an annual price of \$1,360 per year and a billable hourly rate of \$90.00 over the three year term.

MOTION made by Zabel, seconded by Miller to forward to the Village Board with a positive recommendation to enter into a three year agreement with General Communications at a cost of \$1,360 per year for the maintenance of the Village's radio system three times per year and an hourly rate of \$90/hr. for actual repairs during the three year agreement.

Motion carried unanimously.

PUBLIC COMMENT: Dan Wing, N116 W16044 Main Street, submitted to the Committee a photocopy of a portion of the Germantown Tax Increment District #6 Joint Review Board minutes dated May 23, 2014 – Page 3 in which he highlighted the following; We the School District need to ensure that we have signed agreements with businesses that say they are coming in. It is too late after millions are spent on infrastructure and a company pulls out for a “better deal” with another community. The response provided by James Mann of Ehlers on behalf of the Village stated the Village was fully cognizant the agreements must be entered into both from a statutory perspective and risk mitigation perspective prior to proceeding with infrastructure projects. Mr. Wing noted it was assurances to the conservatives at the time that were questioning the wisdom of this financially risky TIF. The Village was giving assurances and stated they knew it was tight but here is how we were going to mitigate risk. 1.) There would be signed agreements prior to infrastructure projects. Mr. Wing noted there were other assurances in which he would bring forward to Village Board. Mr. Wing also stated Trustee Zabel had always warned the Village Board of the consequences of the TIF and the poor planning and he's been right. Trustee Miller was not on the Board when the TIF was approved and Mr. Wing excused him from any blame so far. Mr. Wing warned everyone as representatives of the Village to be careful as they have to understand the statements that were made and uphold them. Too often we tend to say things just to get it passed and worry about the consequences later. Stay true to your word. Mr. Wing wanted to see the TIF turned around and believed the Committee and Board could accomplish this but not by breaking promises.

REQUEST TO AUTHORIZE WISCONSIN DOT TO INCLUDE TRAFFIC SIGNAL DESIGN IN STATE-MUNICIPAL AGREEMENT FOR MEQUON ROAD-COUNTRY AIRE DRIVE INTERSECTION PROJECT:

Engr. Bischke reported the Committee authorized the WI DOT to include traffic signal design in the State-Municipal Agreement. Since that time the WI DOT informed the Village that the DOT would take the responsibility for the financing and construction and therefore a State-Municipal Agreement was not necessary.

REQUEST FOR APPROVAL TO AWARD CONTRACT FOR TID #6 NEU-NMMR GEOTECHNICAL INSPECTION SERVICES:

Engr. Bischke reminded the Committee the Geotechnical Inspection Services contract was awarded to Himalayan Consultants back in September, 2014. Himalayan Consultants would provide onsite geotechnical services for the TID #6 grading and erosion control contract. Engr. Bischke stated Himalayan's services were important as the TID soils were of poor quality. If compaction could not achieve the 95% proctor as required by the MLG Developer's Agreement, soil additives would be needed. Since that time, Himalayan Consultants had increased some of their fees. Staff recommended exchanging Himalayan's 2014 inspections services rates with year 2016 rates.

Committee comments stated all contracts brought forth on tonight's Agenda were related to TID #6 and questioned whether the Village Board should be updated prior to making any decisions.

MOTION made by Kaminski, seconded by Warren to forward TID #6 Neu-NMMR Geotechnical Inspection Services Contract to the Village Board with no recommendation until further information was provided by MLG.

Motion carried 3 -1 (Zabel)

TIM HILLER REQUEST TO RECONSIDER RECOMMENDATIONS TO PLAN COMMISSION REGARDING POSSIBLE GATEWOOD PLACE ROADWAY AND UTILITY EXTENSIONS TO DONGES BAY ROAD:

Tim Hiller, Hiller Company, addressed the Committee requesting reconsideration of the recommendations to the Plan Commission at the January, 2016 Committee meeting which required the developer to extend the water main from Gatewood Place to Donges Bay Road. Mr. Hiller provided a draft CSM and explained the parcel layout in which Lot 1 would be serviced from Donges Bay Road and Lots 2-4 would be serviced from Gatewood Place.

Committee discussion;

- Made sense to design a cul de sac to blend in with surrounding areas; *Trustee Zabel*
- With the cul de sac design it made sense to dead end the water main and did not see the need to extend the water main from Gatewood Place to Donges Bay Road; *Trustee Zabel*
- All other improvements that have to be done in Donges Bay Road need to be done before the Village would assess that back; *Trustee Zabel*
- Connection of the existing pathway along the 500 feet of the Developer's property on Donges Bay Road needs to be extended by the developer; This could be assessed back to the Developer or the Developer could do it on his own; This would complete the pathway on the south side of Donges Bay Road; *Trustee Zabel*
- Supt. Driver would prefer to see the water main extend from Gatewood Place to Donges Bay Road. This would eliminate dead-end lines in which water quality may be affected.

- Mr. Hiller stated a water main extension from Gatewood Place to Donges Bay Road would cost approximately \$40,000 - \$50,000 which was a lot of money when developing only four lots;
- Mr. Hiller noted the Plan Commission agreed in conversation that the cul de sac finish at Gatewood Place could possibly work as long as the developer worked with staff to come up with a new configuration which he was presenting at tonight's meeting.
- Supt. Driver stated the lay-out presented by Mr. Hiller made the extension of water main impractical. You are now going through a lot on private property which makes things much more complicated.

Motion made by Zabel, if Planning Commission agrees to this layout that they'll need water going through, I would say no. If the Planning Commission is going to accept this layout vs. the two and the two then the water does not have to go through.

Motion fails for lack of second.

Mr. Hiller stated his recollection at the meeting; Jeff Retzlaff sat in and felt that this was in keeping with the Planning Commission's recommendation and that if this got a positive recommendation here, it (CSM) could go directly to Village Board.

Engr. Bischke stated he would confirm this information with Mr. Retzlaff.

Mr. Hiller understood his next step would be Village Board as long as everybody was comfortable at the Public Works Committee meeting and then Jeff would review, sign off and have staff comments.

Dir. Ratayczak stated the layout was doable for the water utility but not ideal. He would prefer the water line extended creating another loop. The layout presented goes along with the rest of the subdivision with the various cul de sacs already there.

Motion made by Zabel, seconded by Miller if the Village Board accepts the CSM that the water main does not need to go through from Gatewood Place to Donges Bay Road then complete the loop in Donges Bay Road.

Motion carried unanimously.

AUTHORIZATION TO PAY INVOICE – CTW CORPORATION – WELL #2 REPAIR:

Supt. Driver reminded the Committee the original bid for Well #2 was to pull and inspect the Well. Any repairs would be on a time and material basis. The Well #2 pump was evaluated and found to be in need of repair. Four bids were solicited. Due to the urgency of the repair, the Director of Public Works and Village Administrator authorized the repair by the low bidder CTW Corporation prior to Committee approval. Supt. Driver informed the Committee that Well #3 will be pulled and inspected in 2016. Once completed, all wells will have been pulled, inspected, and repaired. Unless something unforeseen happens, the wells are in excellent shape.

MOTION made by Miller, seconded by Warren to forward to the Village Board with a positive recommendation authorizing payment of the CTW Corporation invoice in the amount of \$14,986.00 for the pump repair at Well #2. Funding allocated from Acct. #50-722-530-6330.

Motion carried unanimously.

AUTHORIZATION TO HAVE WASHINGTON COUNTY HIGHWAY DEPARTMENT PAINT CENTERLINES AND EDGE LINES:

Supt. Olszewski requested authorization to have the Washington County Highway Department paint approximated 30 miles of center lines and 60 miles of edge lines on the Village's roadways. Work is billed on a time and material basis. The Village is expected to spend \$40,000-\$44,000 in 2016. This equates to \$.07 per line per mile.

MOTION made by Warren, seconded by Miller to forward to the Village Board with a positive recommendation to allow staff to contract with Washington County Highway Dept. to paint edge lines and centerlines on Village streets. Funds to be allocated from Acct. #10-542-530-3540.

Supt. Olszewski stated the painting service was within the ball park of other contracted services. The Committee recommended Supt. Olszewski provide contracted costs from others and have that information available at the Village Board meeting.

Motion carried unanimously.

AUTHORIZATION TO PURCHASE CRACK FILLING MATERIAL:

Supt. Olszewski requested authorization to purchase between 35,000 to 41,000 pounds of crack filling material at a price of \$.5554 per pound. The only distributor authorized to sell asphalt rubber plus was Sherwin Industries of Milwaukee.

MOTION made by Zabel, seconded by Warren to forward to the Village Board with a positive recommendation authorizing the purchase of crack filling material for Village roads from Sherwin Industries at a cost of \$.5554 per pound not to exceed \$24,000. Funds to be allocated from Acct. #10-542-530-3505.

Motion carried unanimously.

AUTHORIZATION TO PURCHASE – CHIPPER: Staff received three quotes ranging from \$56,165 to \$67,685 for the purchase of a Vermeer BC 1500 wood chipper.

MOTION made by Warren, seconded by Miller to forward to the Village Board with a positive recommendation authorizing the purchase of a new Vermeer BC1500 wood chipper from Vermeer of Wisconsin for a cost not to exceed \$56,165.00 and contingent upon Village borrowing approvals. Funds to be allocated from Acct. #40-553-570-8530.

Motion carried unanimously.

AUTHORIZATION TO PURCHASE – HYDRAULIC SYSTEM – TRUCK #425:

Supt. Olszewski requested authorization to purchase a new hydraulic hoist system for Highway Dept. truck #425. Staff solicited three quotes. Prices ranged from \$6,342.46 to \$6,919.36.

MOTION made by Zabel, seconded by Miller to forward to the Village Board with a positive recommendation authorizing the purchase of a new hydraulic box hoist system from Casper Truck for an amount not to exceed \$6,342.46. Funds to be allocated from Acct. #10-542-570-8100.

Motion carried unanimously.

CONSIDERATION OF 2016 SEALCOAT PROJECTS: Supt. Olszewski provided the Committee with a spreadsheet of potential locations, listing the sealcoat options for each road surface and explaining the difference of each type of application. Three "Option" lists were given which incorporated suggested geographical areas, match cost and type of material used.

Committee discussion:

- How do Options 1-3 fit in? Supt. Olszewski looked at the dollars and made sure he stayed within a workable budgeted amount. The highlighted locations on the "Options" list were areas considered staff priorities.
- Based on all of the application types offered, the "Slag" product should not be used in the curbed and guttered areas.
- Any areas that are driven on significantly should be addressed first; Staff should be allowed to determine which areas need sealcoating the most and work most efficiently with funds and staffing availability;
- The GS-88 application is used on newer pavements to defer sealcoating in those areas;

MOTION made by Zabel, seconded by Warren authorizing staff to prepare bid documents for the 2016 sealcoat projects up to the budgeted amount of \$262,000 for select roads determined by staff, and, the purchase of crack filling material up to the budgeted amount of \$22,000. Funds to be allocated from Acct. #10-542-530-3500.

Motion carried unanimously.

REQUEST TO PAY ACME INVOICES FOR IRRIGATION SYSTEM REPAIRS FOR DAMAGES CAUSED BY THE RIVERSBEND LANE RECONSTRUCTION PROJECT:

Engr. Bischke explained damages incurred to the irrigation system during the relocation of the Speedway Gas Station entrance on Riversbend Lane as part of the reconstruction project.

MOTION made by Zabel, seconded by Kaminski authorizing payment of Acme invoice #'s 83978 & 84532 for the total amount of \$4,200.25 for the damages incurred to the irrigation system during the Riversbend Lane Reconstruction Project. Funds to be allocated from Acct. #40-542-570-8810.

Motion carried unanimously.

REQUEST TO TERMINATE THE 2015 LANNON-APPLETON WATER MAIN EXTENSION PHASE #2 PORTION OF A CONTRACT WITH ADVANCE CONSTRUCTION:

Engr. Bischke explained the Appleton Avenue portion of the 2015 contract with Advance Construction was impeded due to landowner issues. The Engineering Dept. staff resolved the issue by working with WE Energies to realign the route of the water main extension parallel to the WE Energies underground gas main. Phase #2 was delayed until 2016 and combined with Phase #3 of the project.

MOTION made by Zabel, seconded by Warren allowing staff to terminate the Phase #2 portion of the 2015 Lannon-Appleton Water Main Extension contract with Advance Construction.

Motion carried unanimously.

RECOMMENDATION FOR RELEASE OF SURETY – CONTINENTAL FUND 246:

Dir. Ratayczak reported final acceptance of the work completed at Buffalo Wild Wings and adjacent tenant building was May 12, 2015. The one year warranty will be met in May, 2016 with staff requesting release.

MOTION made by Warren, seconded by Miller authorizing the release of the Continental Fund 246 Letter of Credit in the amount of \$32,000.00 for work completed at Buffalo Wild Wings on County Line Road.

Trustee Zabel stated he did not want to lose funds for landscaping that had yet to be completed around the new golf clubhouse that had yet to be built. Engr. Bischke stated the surety request for release was for the sewer/water utilities only and believed landscaping was a CUP issue. Mr. Bischke further noted the Planning Department would be the department that would hold a landscape surety on file.

Motion carried unanimously.

REQUEST TO AWARD CONTRACT FOR 2016 TID#6 PHASE #1 – GRADING & EROSION CONTROL PROJECT:

REQUEST TO AWARD CONTRACT FOR 2016 TID #6 PHASE #1 – SANITARY & WATER UTILITY PROJECT:

REQUEST TO AWARD CONTRACT FOR 2016 TID #6 PHASE #1 – NIMITZ PAVING & LIGHTING PROJECT:

REQUEST TO AWARD CONTRACT FOR 2016 TID #6 PHASE #1 – APPLETON PAVING & LIGHTING PROJECT:

MOTION made by Zabel, seconded by Kaminski to forward to the Village Board with no recommendation items “J” through “M” under New Business of the March 1, 2016 Public Works and Highway Committee Meeting Agenda and provide the low bids for each project to Ehlers & Associates for updating the pro forma.

Motion carried 3 -1 (Zabel)

REQUEST TO AWARD CONTRACT FOR 2016 LANNON WATER MAIN EXTENSION PHASES #2 & #3 PROJECT:

Engr. Bischke explained this three-phased project is intended to complete the loop from nearby Wal-Mart on Appleton Avenue through the Lannon Road intersection and beneath the I-41 Lannon Road interchange to Commerce Circle. Phase I of the project was completed which included cutting the water main below I-41 from Commerce Circle to the other side of the south bound on-ramp and then terminated with a hydrant. Also as part of Phase I, water main was extended 1000 feet from Wal-Mart's northern boundary to the underground high pressure gas main and terminated. Phase #2 & #3 of the water main extension is to complete the loop. Bids were received February 25th, 2016 with Advance Construction as the apparent low bidder. Discussion followed on the cost of the phased projects with Trustee Zabel clarifying project costs were borne both by the TIF and Utility adding all people on the water utility pick up a portion of the cost of the project. This came about on a study that was

done on the southeast quadrant which stated the system was good and recommended at the time of "development" the loop needed to be completed. Trustee Zabel questioned when we do these things, as part of the PSC, we have a rate rule that states the Village should get some assessments set up against the properties that are there so the utility gets some of their money back instead of have a piece of pipe that no one is using the water. There is no money coming back in for the entire pipe in the ground.

Chm. Kaminski explained the Village Board agreed with the water main extension regardless if TIF #6 was going to be created. The extension was to improve the water quality on that side of the Village.

MOTION made by Kaminski, seconded by Warren to forward to the Village Board with a positive recommendation to award the 2016 Lannon-Appleton Water Main Extension Phases #2 & #3 project to Advance Construction, Inc. for a bid amount of \$1,395,980.00

Motion carried 3 – 1 (Zabel)

REQUEST TO AWARD CONTRACT FOR 2016 PRIVATE PROPERTY INFILTRATION/INFLOW MITIGATION PROJECT: Engr. Bischke recommended rejecting the one bid received on February 25th. He referred to the Bid Form which was developed with the help of a contractor. A few days before the bid was due, the contractor wanted to see additional related items added to the Bid Form. As there was not enough time to do a change order on the project, it was suggested to reject the single bid and rebid the project next month. Discussion followed.

- Committee discussion suggested a public informational meeting be held after the bid award.
- Staff should go door to door to explain the project;
- An agreement should be signed by each resident who participates;

MOTION made by Miller, seconded by Zabel to reject the bid from Musson Bros. for the 2016 Private Property Infiltration/Inflow Mitigation Project and re-bid.

Motion carried unanimously.

NEXT MEETING DATE: The next Public Works and Highway Committee meeting will be held Tuesday, April 5, 2016 at 5:30 p.m.

ADJOURNMENT: There being no further business, the meeting was adjourned at 7:18 p.m.



Janice Wick, Recording Secretary

SPECIAL

PUBLIC WORKS & HIGHWAY COMMITTEE MEETING MINUTES

March 21, 2016

Village Hall Board Room

CALL: Chm. Kaminski called the meeting to order at 6:15 p.m.

ROLL CALL: Chm. Kaminski, Trustee Members Miller, Warren and Zabel. Also present were Dir. Ratayczak.

AUTHORIZATION TO FILL VACANT POSITION – VILLAGE ENGINEER: Public Works Director Ratayczak requested authorization to fill the vacant Village Engineer position.

MOTION made by Zabel, seconded by Warren to forward to the Village Board with a positive recommendation to approve filling the Village Engineer position.

Motion carried unanimously.

REQUEST AUTHORIZATION FOR CHANGE ORDER – VISU SEWER MANHOLE LINING: Wastewater Supt. Zimmerman reported the Village was currently under contract with Visu Sewer for manhole rehabilitation and the installation of cured in place pipe. As the unit price of \$132/v.f. for cementitious and epoxy lining was very favorable to the Village and the fact State law allowed up to a 15% addition to the value of an active contract, Supt. Zimmerman requested authorization for a contract change order to allow up to the 2016 budgeted amount of \$125,000 for additional miscellaneous manhole rehabilitation of approximately 950 vertical feet throughout the Village. Select manholes included Kurt Drive, Crusader Court, Fireman's Park easement, Park Avenue, and Division Road. All funds remaining after the targeted manholes were completed would be utilized for the interceptor manholes along Donges Bay Road at Fond du Lac Avenue. Staff has confirmed with Visu Sewer that they would do the additional work for the set rate of \$132.00/v.f.

MOTION made by Zabel, seconded by Miller to forward to the Village Board with a positive recommendation authorizing a change order to Contract #1501 (Interceptor Sewer Cured-in-Place Pipe Lining) for additional manhole rehabilitation up to \$125,000. Funding allocated from Acct. #60-180-182-3110.

Motion carried unanimously.

ANNOUNCEMENT: Trustee Warren stated he would be unable to attend the Public Works and Highway Committee meeting Tuesday, April 5th.

ADJOURNMENT: There being no further business, the meeting was adjourned at 6:25 p.m.

Lawrence Ratayczak, P.E.
Director of Public Works

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

MEETING DATE: April 5, 2016

AGENDA ITEM: Unfinished Business -- **A**

ITEM TITLE: Update on Shallow Well Investigation-**Discussion**

SUBMITTED BY: Lawrence Ratayczak, P.E. - Director of Public Works

SUMMARY EXPLANATION:

Greg Bolin of Foth Infrastructure & Environment, LLC will give a short status report/presentation on the project to date. Greg will also include recommendations for the next steps and discuss the decisions needed going forward.

ATTACHMENT: ORDINANCE _____ RESOLUTION _____ OTHER x

RECOMMENDATION:

This topic is for information and discussion. No staff recommendations or Committee action is required for this topic.

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: April 5, 2016

AGENDA ITEM: New Business — A

ITEM TITLE: Replacement of Private Well Pump
W204 N9767 Lannon Road

SUBMITTED BY: Lawrence Ratayczak, P.E.- Director of Public Works

SUMMARY EXPLANATION:

During the extended pumping portion of the most recent shallow well site investigation the drawdown of the water elevation was dramatically increased at the Ron & Kathy Schnieder Residence, located at W204 N9767 Lannon Rd, which is approximately 1,000 feet from the test well utilized for pumping. At the time that the Schnieder well went dry the draw down at the test well was 13 feet and the draw down at the Schnieder well reached a drop of 33 feet. Due to the call for water to the pump and the pump not in water the pump motor failed (burned out). The well pump required replacement and the Schnieders took it upon themselves to have the pump replaced and paid for the expense of replacement and lowering the pump to the new reduced water elevation. The pumping was immediately stopped the same day after the well contractor was notified. The ground water elevation returned to pre-test pump elevation, which was verified by the Schnieders second well located near their barn.

ATTACHMENT: ORDINANCE _____ RESOLUTION _____ OTHER x

See attachment including; invoice of new pump and summary of water and pump elevations

RECOMMENDATION:

It is the recommendation of the Director of Public Works that the PWHC approve payment to Ron & Kathy Schnieder in the amount of \$2,103.00 for their cost to have a new pump installed. If approved the cost will become a portion of the Shallow Well Investigation Project which has funds remaining due to the reduced time utilized for extended pumping.

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.

NEW PUMP



Hahn's Water Well Pump Service Inc.

1579 Hwy K
Hartford, WI 53027 US
(262) 670-6800
HahnsWellService.com

INVOICE

BILL TO
Ron Schneider
(262) 251-5019
W204 N9767 Lannon Rd.
Colgate, WI 53017

INVOICE # 01232016-J1
DATE 01/23/2016
DUE DATE 01/23/2016

SERVICE DATE
1/23

PAID

ACTIVITY	QTY
1 1/4 x 1 PVC Bushing	1
Splice Kit	1
Cable Guard	5
Well Sanitizer w/Safe Water Test	1
3/4 Hp Sta-Rite Pump (5 year warranty)	1
Labor	1
1 in PVC Pipe	60
1 in PVC Couplings	3
12-2 Wire	105
-	1
Adapter	

Payment for the above work is due upon completion as dated on the invoice. The above-mentioned materials are the property of Hahn's Water Well Pump Service, Inc. regardless of where the materials are, until they are paid in full. Interest per month, on all unpaid balances, is charged at 1.5% (18% per annum). In any event, upon failure to timely make a full restitution, all costs of collection, including full attorney fees incurred by contractor, shall be paid in full by the owner. All work performed by the contractor is to my satisfaction.

PAYMENT	2,103.00
BALANCE DUE	\$0.00

Thank You!

NEW WELL PUMP SETTING.



INSTALLATION AND OPERATING MANUAL

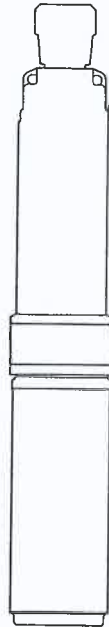
4" Submersible Pumps Two and Three Wire, Single and Three Phase, 1/2 through 10 H.P., 60 Hz

NOTICE D'INSTALLATION ET DE FONCTIONNEMENT

Pompes submersibles de 4 pouces Moteurs bifilaires et trifilaires, Monophasés et triphasés, Puissance de 1/2 à 10 ch, 60 Hz

MANUAL DE INSTALACIÓN Y FUNCIONAMIENTO

Bombas sumergibles de 4" Bifilares y Trifilares, Monofásicas y trifásicas, 1/2 hasta 10 H.P., 60 Hz



English.....Pages 2-12

Français.....Pages 13-23

Español.....Paginas 24-34

Tables • Tableaux • Cuadros.....Pages 35-47

Diagrams • Schémas • Diagramas.....Pages 48-64

Record the following information from the motor and
pump nameplates for future reference:

Sur les lignes qui suivent, indiquer les informations
suivantes qui se trouvent sur les plaques signalétiques
du moteur et de la pompe de façon à pouvoir s'y reporter
ultérieurement :

Anote la siguiente información de las chapas del motor y de la
bomba para referencia futura:

Pump Model No.	
N° de modèle de la pompe	
No. de modelo de la bomba	
Pump Serial No.	
N° de série de la pompe	
No. de serie de la bomba	
Motor Model No.	
N° de modèle du moteur	
No. de modelo del motor	
Motor Serial No.	
N° de série du moteur	
No. de serie del motor	
H.P., Volts/Hz/Ph	
Puissance en CH Volts/Hz/Phase(s)	
H.P. Voltios/Hz/Fase	
Rated Amp Draw	
Débit nominal en ampères	
Corriente nominal extraída	

W/L 48'	water level
P/L 105'	Pump level
Well 151'	well depth

293 WRIGHT STREET, DELAVAN, WI 53115 WWW.PENTAIR.COM
PH: 262-728-5551

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PN280 [Rev. 01/29/15]



Fairbanks Morse

Pentair Pump Group

Well
11/13/04

OLD PUMP

Royal Series

2 and 3 Wire

Submersible Pumps

OWNERS MANUAL

Safety Instructions

Installation and Operation Guide

Original Pump Settings -

Well depth
W-140'
H/L-15'
P/L-44'
PVC

A	Pump Selection & Inspection	Page 3
B	Pre-Installation Preparation	Page 3
C	Splicing Instructions	Page 4 & 5
D	Installation of Pump in Well	Page 6
E	Above Ground Connections	Pages 7 & 8
F	Controlling Weak Wells	Page 8
G	Trouble Shooting	Page 9

FOR YOUR RECORDS

Record the following information from the pump and motor nameplates for future reference:

Motor Model No. _____ D. Code 04
Pump Model No. _____
HP 1/2 Phase 1 Volts 230
Date Installed 11-13-04

For electrical information refer to the "Installation and Field Service" manual published by Franklin Electric.

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

MEETING DATE: Tuesday April 5th, 2016

AGENDA ITEM: New Business -- **B**

ITEM TITLE: Discussion - Grow Agreement for Trees

SUBMITTED BY: Jay Olszewski, Highway Superintendent

SUMMARY EXPLANATION:

EAB was officially discovered in Germantown in June of 2015. The invasive species has already killed countless ash trees and will inevitably kill all of the untreated ash trees within the Village. The bug has now made its way into Minnesota and officials in that state are starting to plan for the ramifications. The reason that is important in Germantown is because of the increased demand and subsequent supply of replacement trees. Municipalities throughout the state and now the region will all be competing for a limited number of "common" trees to replace those removed ash. I think it is safe to assume that this will drive up cost and impact available stock. Staff has met with Johnson's nursery regarding a Grow Agreement they offer. The customer can choose the species of trees they want and the nursery grows those trees specifically for the Village. This would be at a fixed cost and would guarantee availability. This would mean entering into a contract with Johnson's. This type of agreement takes a fair amount of leg work both on Village staff as well as the provider. Before starting that task staff is seeking input from the Committee to insure they feel this is a viable endeavor and something they are "comfortable" doing. Staff and a representative from Johnson's nursery can provide more information and answer any questions at the PW meeting.

ATTACHMENT: ORDINANCE _____ RESOLUTION _____ OTHER x

RECOMMENDATION:

Staff is asking for direction from Committee to see if this is something that Committee and Board could possibly support. This would mean that we would have a "single source" provider for trees. To my knowledge Johnson's is the only local nursery that offers this type of service, so finding a comparable agreement might not be possible.

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 April 5th, 2016

AGENDA ITEM: New Business - C

ITEM TITLE: Authorization to Contract- Tree Replacement Project

SUBMITTED BY: Jay Olszewski, Highway Superintendent

SUMMARY EXPLANATION:

The 2016 Parks Line Item Budget includes \$24,000 for the replacement of trees that have been removed as part of the Village's EAB initiative. The contract covers providing and planting approximately 60 (2"-2.5") trees. The species were selected by the Village's contracted arborist John Gall, and include maple, serviceberry, hackberry, dogwood, honeylocust, coffeetree, crabapple tree, lilac, and elm. All of these species were chosen because they fit the environmental constraints of Pilgrim Road. Staff sent the request for proposal to 10 area contractors with the bid results as follows:

Stano Landscaping	\$21,919.40
Century Landscaping	\$23,631.25
Johnson's Nursery	\$27,539.96
Crawford Tree & Landscape	\$29,295.00

Following review of the bids with Arborist John Gall, staff is recommending to award the bid to Century Landscaping for the following reasons.

1. Both firms (Stano and Century) provide a substitution for Allegheny serviceberry. The substitution of Autumn Brilliance is acceptable. Century's unit price is actually \$8.00 less per tree.
2. Golden Glory dogwood is a more upright variety of Cornelian Cherry dogwood and that is the reason why it was chosen for this project. Stano is also quoting 1.75" caliper plants rather than the 2" caliper that was specified.
3. Common Kentucky coffeetree (Stano substitution) will have seed pods as the trees mature, that is why the sterile male variety Espresso was chosen. Century's bid meets the specifications.
4. Stano is bidding a 1.5" caliper Adirondak crabapple versus the 2" caliper that was specified and bid by Century. A 1.5" caliper tree is two sizes below what was specified.
5. Prospector elm (Stano) is a much larger maturing hybrid elm than Emerald Sunshine elm (Century). Emerald Sunshine was selected because some of these trees are planned to be planted on the west side of Pilgrim Road in the vicinity of the We Energy electric lines.

ATTACHMENT: ORDINANCE _____ RESOLUTION _____ OTHER x

RECOMMENDATION:

Staff recommends contracting with Century Landscaping in the amount of \$23,631.25. Their bid, while not the lowest, is the most complete, and meets the project specifications. Funds shall be allocated from Parks Line Item 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.

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

MEETING DATE: Tuesday April 5th, 2016

AGENDA ITEM: New Business — **D**

ITEM TITLE: Authorization to Contract- Replacement of Garage
Doors DPW

SUBMITTED BY: Jay Olszewski, Highway Superintendent

SUMMARY EXPLANATION:

The 2016 Buildings Major Repairs Budget includes \$25,000 for the full replacement of 6 garage doors and partial repair of 3 others. Staff obtained quotes from 3 area contractors and the results are follows:

Midwest Overhead Door	\$25,132.30
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Door Master Door Co.	\$25,675.00
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Consolidated Doors	\$37,071.00
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ATTACHMENT: ORDINANCE _____ RESOLUTION _____ OTHER x

RECOMMENDATION:

Staff recommends having **Door Master Door Co.** furnish the labor and materials for the garage door repairs/replacement at the DPW campus. Door Master is NOT the low bidder. Typically I recommend the low bidder for projects such as these. When staff was assessing this project and meeting with contractors the scope of the project was 3 full door replacements and 4 partials. We also explained to them (as well as the other contractors) that we were having a problem with the garage door in our wash bay area. Door Master's approach to the project allowed us to "expand" the scope of the project and still stay near our budget. After meeting with them we did reach out to the other contractors and had the project "rebid" to make sure we were getting fair comparisons. The quality of product and workmanship between Door Master and Midwest is the same, and if Committee would prefer the low bidder staff will have NO reservation in awarding Midwest the work. I will gladly provide more information at the upcoming PW meeting. If approved funds shall be allocated from Buildings line item 10-519-570-8242.

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 April 5th, 2016

AGENDA ITEM: New Business — **E**

ITEM TITLE: Authorization to Contract - Repair of Soffit and Fascia
PD Garage

SUBMITTED BY: Jay Olszewski, Highway Superintendent

SUMMARY EXPLANATION:

The 2016 Buildings Major Repairs Budget includes \$6,000 for the removal and repair of the PD garage fascia and soffit. The repair includes new plywood decking, 4' of shingle, water shield, gutter and downspout. Staff solicited quotes from 4 area contractors and the results are follows:

Integrity Roofing	\$3,990.00 (\$950)
Noffke Roofing	\$5,743.00 (\$2,406)
Langer Roofing	\$20,700
Great Lakes Roofing	Met with but did not provide quote

****The figures in () denote some additional soffit work that staff asked contractors to provide once we realized the initial work would be under budgeted amount.****

ATTACHMENT: ORDINANCE _____ RESOLUTION _____ OTHER __x__

RECOMMENDATION:

Staff recommends having Integrity Roofing make the repairs to the PD garage in the amount not to exceed **\$5,000 (\$3,990 + \$950= \$4940)**. If approved funds shall be allocated from Building line item 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 April 5th, 2016

AGENDA ITEM: New Business — **F**

ITEM TITLE: Authorization to Purchase- Tractor with Broom and Blade

SUBMITTED BY: Jay Olszewski, Highway Superintendent

SUMMARY EXPLANATION:

The 2016 Highway Capital Budget includes funding for the purchase of a new tractor with a broom and blade. Staff solicited quotes from 3 distributors. The results are as follows:

Mid –state Equipment Jackson	\$73,016.55
Proven Power Inc.	\$73,203.71
Riesterer & Schnell Inc.	\$73,697.00

ATTACHMENT: ORDINANCE _____ RESOLUTION _____ OTHER x

RECOMMENDATION:

Staff recommends purchasing a new **2016 5075M John Deer with MB 96” front broom and Rhino 950 Rear blade** in the amount not to exceed \$73,016.55. This is **OVER** the \$70,000 budgeted for this purchase. The additional \$3,016.55 could be absorbed by other capital purchases that have come in under budget. If approved funds shall be allocated from Highway capital account 40-542-570-8530.

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: April 5, 2016

AGENDA ITEM: New Business — **G**

ITEM TITLE: Authorization to Purchase – Used Vehicle for Engineering
Department Inspector

SUBMITTED BY: Lawrence Ratayczak, P.E. – Director of Public Works

SUMMARY EXPLANATION:

The 2016 Engineering Department Capital Budget includes funding for the purchase of a used vehicle to replace an existing vehicle that has become costly to repair. Staff will search the internet for a used vehicle; this has been successful for past used vehicle purchases.

ATTACHMENT: ORDINANCE _____ RESOLUTION _____ OTHER x

RECOMMENDATION:

Staff recommends purchasing a used vehicle suitable for ingress and egress from construction sites in the amount not to exceed \$17,000.00. If approved funds shall be allocated from Engineering Capital account 10-541-570-8100.

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 AND HIGHWAY COMMITTEE
GERMANTOWN, WI**

MEETING DATE: April 5, 2016

AGENDA ITEM: New Business - H

ITEM TITLE: Approve 2015 Wisconsin DNR MS4 Annual Report

SUBMITTED BY: Lawrence Ratayczak, P.E., Director of Public Works
Eric Bartlein, Civil Engineer

SUMMARY EXPLANATION:

The Village is required to prepare and file an annual report pursuant to Wisconsin Administrative Code, Department of Natural Resources, Chapter NR216. The report summarizes Year 2015 storm water related activities.

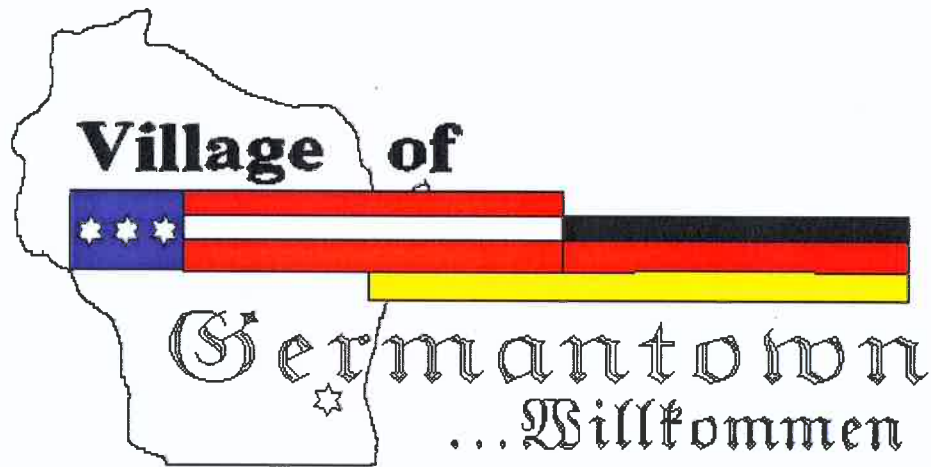
ATTACHMENT: ORDINANCE_____ RESOLUTION_____ OTHER X

RECOMMENDATION:

Recommend that the Village Board approve the report as presented and authorize the Village President to sign the 2015 WI DNR MS4 Report for submission to the Wisconsin DNR

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.



WASHINGTON COUNTY
WISCONSIN

2015 WISCONSIN DNR MS4 ANNUAL REPORT

Village of Germantown

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

Public Works & Highway Committee: April 5, 2016

Village Board: April 18, 2016

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, 2016)

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 ACCEPTABLE **

Municipality: Village of Germantown, WI		Reporting Year: 2015	
Name of Permit Group (if applicable): Menomonee River Watershed-Based MS4 Permit	WPDES Permit No. WI-S065404-I		Facility ID No. (FIN):
Contact Information:			
Name: Eric Bartlein		Title: Civil Engineer	
Mailing Address: N112 W17001 Mequon Rd.	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. <i>Add rows or attach additional sheets as needed</i>			
A.1. PUBLIC INVOLVEMENT, EDUCATION, AND OUTREACH <i>(report any individual efforts completed under Part II. A and B of the permit)</i>			
<u>BMP Description:</u> See attached chart <i>Public Involvement, E&O BMPs, Measurable Goals, and Progress</i>			
<u>Responsible Dept./Person:</u> Engineering: Brionne R. Bischke, P.E., Village Engineer			
<u>Measurable Goal(s):</u> See attached chart <i>Public Involvement, E&O BMPs, Measurable Goals, and Progress</i>			
<u>Progress Made Towards Achieving Goal(s):</u> See attached chart <i>Public Involvement, E&O BMPs, Measurable Goals, and Progress</i>			
<u>Planned Activities for Next Reporting Year:</u> 1) Continue participating in group activities and tracking measurable goals. 2) Contribute \$2,354.45 towards the <i>Respect Our Waters</i> campaign for Southwestern Wisconsin.			
<u>Program Modifications or Changes to Measurable Goal(s):</u>			

A.2. GROUP PUBLIC EDUCATION AND OUTREACH *(This is a collaborative reporting effort to be submitted by the permit group. This section is only included here for reference and should not be completed by each municipality.)*

Education and outreach topics addressed in permit year (minimum of 3 topics listed under Part II.B.1 a. through k.)

Target audiences reached in permit year

Measurable goals established per topic

Status of achieving measurable goals

A.3. PROPOSED PUBLIC EDUCATION AND OUTREACH WORK PLAN

Topics to be addressed

Target audiences to be addressed

Evaluation of preceding permit year's measurable goals

Measurable goals proposed for each topic

A.4. STATUS OF PROGRAM SURVEY (Required under Part II.B.3.)

B. ILLICIT DISCHARGE DETECTION AND ELIMINATIONScreening Strategy (priority areas identified in plan?):

IDDE Outfall 2013-2017 Five-Year Screening Plan is included as appendix.

Number of Outfalls Screened, Parameters Used, Detection Limits:

16 of the 22 outfalls identified in the June 2008 IDDE Program Procedures Manual were screened in 2015. The field screening analysis was conducted during a dry weather period.

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

Number of Illicit Discharges / Illegal Connections Detected (identify outfall ID numbers):

Two follow-ups needed, both checked out to okay. Outfalls - MR-01 and JD-03. See Reports.

Number of Complaints Received and Summarize Result(s) of Follow-Up (include description of sewershed investigation):

Woodland Manor (residential subdivision): Gas odor reported from a catch basin. Reported on a Sunday, came out that Monday but found nothing due to a rain event. We-energies also determined the smell was not coming from their utilities on Sunday. Report Included.

Screening Strategy for Next Reporting Year (identify priority areas / basins and outfall ID's):

IDDE Outfall 2013-2017 Five-Year Screening Plan is included as appendix.

Storm Sewer Map Updated? (summarize changes identifying basins and outfall ID's):

Sent an AutoCad file showing the updates to the storm sewer, identifying the basins and outfall ID's.

C. CONSTRUCTION SITE POLLUTANT CONTROL

Target Number of Inspections (measurable goal, can be represented as percentage of permits issued):

Goal is to inspect active projects once weekly during the construction season.

Number of Permit Applications Received / Number of Permits Issued:

Administered by Building Inspection Dept. with Engineering Dept. consultation.

Yr. 2015: 54 erosion control permits

Yr. 2014: 67 erosion control permits

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

Engineering Dept. = Brionne R. Bischke, P.E., Village Engineer

Inspection Services = Mike Guttman, Building Inspector

Number of Inspections Completed:

1) Ellsworth Adhesives (Washington); 2) Momentum Early Learning (Stonewood); 3) Weimer Bearing (Washington); 4) Sunlite Plastics (McCormick); 5) Wago (Bunsen); 6) Midwest Products (McCormick); 7) First Choice Ingredients (Mequon); 8) Aurora (River); 9) Bradley Way Partners (Washington); 10) Plastic Components (Bunsen); 11) Koenig Industries (Bunsen); 12) Germantown Memory Care (Virginia); 13) Bethlehem Lutheran Church (Bel Aire); 14) Gehl's Foods (Main); and 15) Cambridge Major Labs (Grant)

Number of Enforcement Actions and Description:

None

Changes in Inspection and/or Enforcement Strategy and Protocol:

No planned modifications. The strategy and protocol are adapted to accommodate regulatory control and resource availability at the Village Engineer's discretion.

D. POST-CONSTRUCTION STORM WATER MANAGEMENTNumber of Storm Water Management Plans Reviewed:

1) Sunlite Plastics (McCormick); 2) First Choice Ingredients (Mequon); 3) Koenig Industries (Maple); 4) Germantown Memory Care (Virginia)
5) TID #6 Neu-NMMR Parcels

Approved or Scheduled Ordinance Updates:

None

Number of Redevelopment Sites Reviewed:

No Redevelopment projects, only Expansions and Remodels.

Are you Documenting TSS Reductions Achieved on Redeveloped Sites? (for later inclusion in MS4 pollutant loading analysis):

For redevelopment sites, developers' consultants prepare storm water management plans demonstrating a minimum of 40% TSS reduction per Municipal Code Sec. 27.08(3)(a)

Inspection and/or Scheduled Maintenance of Facilities Where a Long-Term Maintenance Agreement was Recorded:

All Village-owned ponds were inspected by the Engineering Dept. Abandoned barrels suspected of containing chemicals were discovered at the Hampel Pond (McCormick) and reported to Germantown Fire Dept. and Wisconsin DNR. A protruding connection to the Hampel Pond outlet pipe that was causing obstruction was rendered flush with the pipe wall and flow was remedied.

E. POLLUTION PREVENTIONEstimate quantity of Street Sweepings and Catch Basin Cleanings Collected:

Street Sweeping: 795 hrs
Sweeping Material: 421 c.y.
Water Used: 45,870 gal
Catch Basins Vacuumed: 10 ea
Storm Sewer Cleaning: 200 l.f.
Catch Basin Rebuilds: 875 hrs

Summarize Findings of Municipal Yard Inspection(s), SWPPP Implemented and Up to Date?:

No substantial spill or problems found.

Updates to Yard Waste Collection:Recycling Center Activities:

Yr. 2015: 36,999 users
Yr. 2014: 35,849 users

Waste Oil collected from Residents:

Yr. 2015: 3,350 gal.
Yr. 2014: 3,925 gal.

Antifreeze collected from Residents:

Yr. 2015: 110 gal.
Yr. 2014: 275 gal.

Oil Filters collected from Residents:

Yr. 2015: 2 x 55 gal. drums
Yr. 2014: 3 x 55 gal. drums

Winter Road Maintenance Program (description and estimate quantity of anti-icing or deicing materials used):

In-House Snow Meeting/Salting Education: Nov. 24, 2015

2014-2015 Season Winter Road Maintenance:

First Salt Brine: Nov. 7, 2014
Last Salt Brine: Nov. 24, 2014
Brine Used: 600 gal.
First Plowing Operation: Nov. 15, 2014
Last Plowing Operation: Mar. 3, 2015
Total Operations and Salt Use: 44 events and 2,200 tons

Planned Activities for Next Reporting Year:

Same as previous

Program Modifications or Changes:

None

F. STORM WATER QUALITY MANAGEMENT

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
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Pollutant Loading Analysis:

Date of last model run: January, 2008 "No Controls" Load (tons/yr): 704 "With Controls" Load (tons/yr): 704

Model Version Used: WinSLAMM Average Unit Area Load (lbs/acre/yr): 186.3 TSS Reduction % 39

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

BMPs Implemented in Reporting Year:

None

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.

F. WATERSHED-BASED PROJECT STATUSSelection 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 the Menomonee River to the Wago Regional Storm Water Pond instead.

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 the Menomonee River to the Wago Regional Storm Water Pond instead.

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 the 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>2016 Budget</i>	<i>Source of Funds</i>
Public Involvement, Education and Outreach	Staff Time \$3,000 SWEET	Staff Time \$2,354.45 SWEET	General Fund (Tax Revenue)
IDDE	Staff Time \$500.00 Supplies	Staff Time \$500.00 Supplies	General Fund (Tax Revenue)
Construction Site Pollutant Control	Staff Time \$15,794.00	Staff Time \$180,222.00	General Fund (Tax Revenue) Capital Funds (Borrowing)
Post-Construction Storm Water Management	Staff Time	Staff Time \$541,613.00 TID #6 Ponds	General Fund (Tax Revenue) Capital Funds (TID #6)
Pollution Prevention	Staff Time	Staff Time	General Fund (Tax Revenue)
Storm Water Quality Management	N/A	N/A	General Fund (Tax Revenue)
Other	400 hrs Village Engineer 350 hrs Civil Engineer	200 hrs Village Engineer 500 hrs Civil Engineer	General Fund (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.

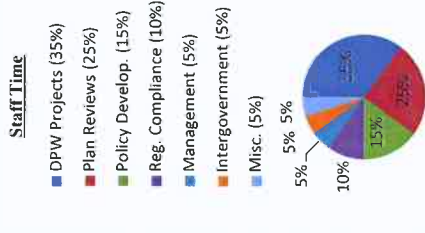
Authorized Representative Printed Name:

Title:

Authorized Representative Signature:

Date Signed:

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 '15 Conference	League of Wisconsin Municipalities 117th Annual Conference	American Public Works Assoc. Wisconsin 2015 Fall Conference	Permittees Menomonee River Watershed	Enforcements	
Part II. A	Public Involvement and Participation	AA	PC; VB	PWHC; VB		PWHC; VB \$3,000 Don; SL					App		
Part II. B	Public Education and Outreach	AA	Web	Web	Web		8 Mtg; 1 Per				2 Mtg		
Part II. B.1.a	Illicit discharges from municipal separate storm sewer systems and associated water quality impacts	AA		Ch 28		App					App	App	
Part II. B.1.b	Sources of pollutant loadings and habitat degradation	AA	App			App					App	App	
Part II. B.1.c	Storm water runoff from residential properties and potential pollutant sources such as pet waste, hazardous household waste, automobile care, and lawn care.	Cont; HoA; Res; St	App	Web; Ch 27		App	1 Ev; 2 Per				App	App	
Part II. B.1.d	Storm water runoff from commercial properties and, where appropriate, educate specific businesses such as lawn care companies, golf courses, carwashes, and restaurants on pollution prevention.	Bus; Cont; Dev; Engr	15	Ch 27; Ch 29		App	1 Ev; 2 Per				App	0	
Part II. B.1.e	Beneficial onsite reuse or proper management of leaves and grass clippings.	Bus; Cont; DPW; Res		Web		App					App		
Part II. B.1.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; Cont; DPW; Res	App			App			1 Ev; 3 Per	1 Ev; 2 Per	App	App	
Part II. B.1.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; 3 Per	1 Ev; 2 Per	App		
Part II. B.1.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; Cont; DPW; Engr; Res	54	Ch 29		App					App	0	
Part II. B.1.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.1.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.1.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	Cont; 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				
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
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 (Acres)	Area (sq mi)	Past Discharge Complaints/ Flowing Outfalls During Dry Weather	Age of Development	Material / Condition of Pipe (NAASCD 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	3	21	1	21		5	1.00		1.00	22
Menomonee River	MR01	73	0.1140625	3	2	2	3	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
	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
Jefferson Ditch	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
	NX01	78	0.121875	1	1	2	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
North Crossway Channel	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

ILLICIT 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: 8/13/15

Date & amount of last rainfall: 8/10/15 0.92 in.

Is pipe/outfall active? No

Ambient Temperature: 76°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, Marshy and lots of silt built up around the flared end section.

**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: 8/13/15

Date & amount of last rainfall: 8/10/15 0.92 in

Is outfall active: No

Ambient Temperature: 76 °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. Water is very clear with lots frogs.

**VILLAGE OF GERMANTOWN, WI
ILLICIT 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: 8/25/15

Date & amount of last rainfall: 8/19/15 .46 in

Is outfall active: No

Ambient Temperature: 61 °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.

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

Pipe / Outfall Location & Description: GC-05 **Pipe Size:** 15" CMP Drainage Pipe

Basin Area: 85 Acres

Location: Located in the Southeast corner on the property at
W180 N11980 River Lane.

Inspector's Names: Eric Bartlein

Date of Inspection: 8/25/15

Date & amount of last rainfall: 8/19/15 .46 in

Is outfall active: No

Ambient Temperature: 61 °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.

VILLAGE OF GERMANTOWN, WI
ILLICIT 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: 9-2-2015

Date & amount of last rainfall: 8-29-2015 0.94 in.

Is pipe/outfall active: Yes

Ambient Temperature: 80°F

Water Temperature: 71.8°F



OUTFALL SCREENING RESULTS

FIRST SAMPLE Date/Time: 9/2/15 9:10 am

OBSERVATIONS

Color: Clear

Odor: None

Turbidity: None

Floatables: None

Surface Sheen: None

SAMPLE RESULTS (Expected Range/Level)

pH: 7.34 (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: 0.24 mg/L (sample < 0.6)

Ammonia: 0.3 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: 1.25 inches.

Additional Comments/Observations: Very Slow Flow, Silt build-up. Freshly mowed around. Ammonia came in high, follow up needed.

**VILLAGE OF GERMANTOWN, WI
ILLICIT DISCHARGE INSPECTION FORM- FOLLOWED UP SCREENING**

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: 9-17-2015

Date & amount of last rainfall: 9-11-2015 0.23 in.

Is pipe/outfall active: Yes

Ambient Temperature: 81°F

Water Temperature: 72.86°F



OUTFALL SCREENING RESULTS

FIRST SAMPLE Date/Time: 9/17/15 1:00 pm

OBSERVATIONS

Color: Clear

Odor: None

Turbidity: A Little Cloudy

Floatables: Particles

Surface Sheen: None

SAMPLE RESULTS (Expected Range/Level)

pH: 7.72 (6.0 < sample < 9.0)

Detergent: 0.0 mg/L (sample < 0.5)

Chlorine: 0.05 mg/L (sample < 1.0)

Copper: 0.0 mg/L (sample < 0.2)

Phenols: 0.0 mg/L (sample < 0.1)

Fluoride: 0.09 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: <0.50 inches.

Additional Comments/Observations: Very slow current, trickling. Lots of dead minnows that look to be fishing bait.

Results: The outfall has passed the follow-up.

VILLAGE OF GERMANTOWN, WI
ILLICIT 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: 8/27/15

Date & amount of last rainfall: 8-19-15 0.46 in.

Is pipe/outfall active? Yes

Ambient Temperature: 72 °F

Water Temperature: 65.5 °F



OUTFALL SCREENING RESULTS

FIRST SAMPLE Date/Time: 8-27-15 12:30 p.m.

OBSERVATIONS

Color: Clear

Odor: None

Turbidity: None

Floatables: None

Surface Sheen: None

SAMPLE RESULTS (Expected Range/Level)

pH: 7.86 (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 0.1 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 very slow. Some Algae growing on the bottom of the culvert's flared end section. The water level height was taken from a concrete slab in front of the flared end section because it was creating a weir.

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

Pipe / Outfall Location & Description: JD-05 **Pipe Size:** Bridge

Basin Area: 86 Acres

Location: Division Road Crossing the Jefferson Ditch

Inspector's Names: Eric Bartlein

Date of Inspection: 9/2/15

Date & amount of last rainfall: 8/29/15 0.94 in.

Is outfall active: No

Ambient Temperature: 80 °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. A lot of silt build-up under the bridge.

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

Pipe / Outfall Location & Description: JD-07

Pipe Size: 72" RCP Culvert – Open Ditch

Basin Area: 131 Acres

Location: 72" RCP runs along the north property line of the house address W162 N10800 Auburn Lane, Southeast Corner of the dead end on Auburn Lane, South of Carriage Ave.

Inspector's Names: Eric Bartlein

Date of Inspection: 8/25/15

Date & amount of last rainfall: 8/19/15 0.46 in

Is outfall active: No

Ambient Temperature: 61 °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
ILLICIT 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: 9-2-2015

Date & amount of last rainfall: 8-29-2015 / 0.94 in.

Is pipe/outfall active? Yes

Ambient Temperature: 80 °F

Water Temperature: 68.9 °F



OUTFALL SCREENING RESULTS

FIRST SAMPLE Date/Time: 9-2-2015 / 11:30 a.m.

OBSERVATIONS

Color: Clear

Odor: None

Turbidity: None

Floatables: None

Surface Sheen: None

SAMPLE RESULTS (Expected Range/Level)

pH: 8.01 (6.0 < sample > 9.0)

Detergent: 0.0 mg/L (sample < 0.5)

Chlorine: 0.1 mg/L (sample < 1.0)

Copper: 0.0 mg/L (sample < 0.2)

Phenols: 0.0 mg/L (sample < 0.1)

Fluoride: 0.94 mg/L (sample < 0.6)

Ammonia: 0.2 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: Good Constant Flow, Very Clear Water, Fluoride and ammonia came in a little high, will need second screening.

**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: 9-17-2015

Date & amount of last rainfall: 9-11-2015 0.23 in

Is pipe/outfall active? Yes

Ambient Temperature: 82 °F

Water Temperature: 71.42 °F



OUTFALL SCREENING RESULTS

FIRST SAMPLE Date/Time: 9-17-2015 2:00 p.m.

OBSERVATIONS

Color: Clear

Odor: None

Turbidity: None

Floatables: None

Surface Sheen: None

SAMPLE RESULTS (Expected Range/Level)

pH: 8.21 (6.0 < sample > 9.0)

Detergent: 0.0 mg/L (sample < 0.5)

Chlorine: 0.15 mg/L (sample < 1.0)

Copper: 0.0 mg/L (sample < 0.2)

Phenols: 0.0 mg/L (sample < 0.1)

Fluoride: 0.95 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: Constant Flow. Very Clear Water.

Results: The ammonia has dropped to 0.0 but the fluoride stayed the same. Gehl's Guernsey Farms Inc., who discharges into this system, has a Storm Water Industrial Tier 2 Permit with a status of no exposure certification for their cooling system. Gehl's is connected to municipal water and also has a well. Since their well has produced tests positive with bacterial contaminants they have been on and off city water. The municipality's fluoride level in the water is around 0.6 mg/l. Gehl's is only adding an amount of 0.35 mg/l, which is acceptable. Germantown's water quality property of fluoride, as observed by Northern Lake Service in 2012, is at 1.3 ppm.

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

Pipe / Outfall: MR - 02 Pipe Size: 2 - 42" Corrugated HDPE Culvert

Basin Area: 154 Acres Location: North Pond, Blackstone Creek Subdivision

Inspector's Names: Eric Bartlein

Date of Inspection: 9-2-2015

Date & amount of last rainfall: 8-29-2015 / 0.94 in.

Is pipe/outfall active? No

Ambient Temperature: 80 °F

Water Temperature: °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, Dry Culverts, No Sample Taken.

**VILLAGE OF GERMANTOWN, WI
ILLICIT 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: 9/2/15

Date & amount of last rainfall: 8/29/15 0.94 in

Is outfall active: No

Ambient Temperature: 80 °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
ILLICIT 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: 8/28/15

Date & amount of last rainfall: 8/19/15 0.46 in

Is outfall active: No

Ambient Temperature: 68 °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, Brushy.

**VILLAGE OF GERMANTOWN, WI
ILLICIT 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: 8/28/15

Date & amount of last rainfall: 8/19/15 0.46 in

Is outfall active: No

Ambient Temperature: 68 °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 on top of the algae that is growing on the flared end section. The pool has an oil sheen to it.

**VILLAGE OF GERMANTOWN, WI
ILLICIT 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: 8/27/15

Date & amount of last rainfall: 8/19/15 0.46 in

Is outfall active: No

Ambient Temperature: 72 °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.

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

Pipe / Outfall Location & Description: NX-02 **Pipe Size:** 24" RCP Discharge Pipe

Basin Area: 135 Acres

Location: Outfall to TIF 4 pond Southwest of South Patton Court.

Inspector's Names: Eric Bartlein

Date of Inspection: 8/27/15

Date & amount of last rainfall: 8/19/15 0.46 in

Is outfall active: No

Ambient Temperature: 72 °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, Culverts dry.

**VILLAGE OF GERMANTOWN, WI
ILLICIT 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: 8/28/15

Date & amount of last rainfall: 8/19/15 0.46 in

Is outfall active: No

Ambient Temperature: 68 °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, Culverts dry.



August 20, 2015

File Ref: ENF-SE-2015-67-03335

James Smith
W194 N13596 Fond du Lac Avenue
Richfield, WI 53076

Subject: Notice of Non-Compliance, Pond Enlargement within 500' of a stream and in a wetland on property located in the NW1/4-NE1/4 S8, T9N, R20E, Washington County

Dear Mr. Smith:

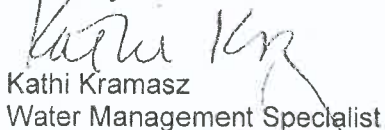
It has come to the Department's attention that you, or persons acting on your behalf, have enlarged an existing pond within 500' of a Menomonee River Tributary and placed spoil materials and rock on the wetland located in the NW1/4 of the NE1/4 of Section 8, Township 9 North, Range 20 East, Village of Germantown, Washington County.

Based on the information available at this time, we believe that written authorization pursuant to s. 30.19(4) and 281, Wis. Stats. is required prior to conducting this type of activity. A review of Department permit records indicates that approvals have not been issued for your project.

We recommend that you discontinue any additional work on this project until you discuss your project with us and we can confirm whether your project requires Department approval and meets applicable standards for such approval. This work may also require authorization from the Corps of Engineers, Washington County and/or the Village of Germantown. We strongly recommend that you contact them to determine whether local approvals are needed.

By no later than September 5, 2015, please contact me at (920) 893-8531 or email Kathleen.Kramasz@wisconsin.gov to set up an appointment to inspect the site and determine a remedy to the situation. An after-the-fact permit will be needed and it is likely that all material will have to be removed from the wetland. Your prompt attention in this matter is greatly appreciated. I look forward to hearing from you soon.

Sincerely,


Kathi Kramasz
Water Management Specialist

CC: U.S. Army Corps of Engineers
Village of Germantown
Conservation Warden Bob Lee

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.



Surface Water Data Viewer Map



1:5,248

0.2 0 0.08 0.2 Miles

DISCLAIMER: The information shown on these maps has been obtained from various sources, and are of varying age, reliability and resolution. These maps are not intended to be used for navigation, nor are these maps an authoritative source of information about legal land ownership or public access. No warranty, expressed or implied, is made regarding accuracy, applicability for a particular use, completeness, or legality of the information depicted on this map. For more information, see the DNR Legal Notices web page: <http://dnr.wi.gov/legal/>

NAD_1983_HARN_Wisconsin_TM
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Notes

james smith

AC-Construction

Legend

Wetland Class Points

- Dammed pond
- Excavated pond
- Filled excavated pond
- Filled/draind wetland
- Wetland too small to delineate

Filled Points

Wetland Class Areas

- Wetland
- Upland

Filled Areas

Major Roads

- Interstates
- US Highways
- State Highways

Rivers and Streams

- Open Water
- Airports

2010 Air Photos (WROC)

From: Tim Zimmerman
Sent: Tuesday, February 02, 2016 12:50 PM
To: Brionne Bischke; Jay Olszewski
Cc: Lawrence Ratayczak; Eric Bartlein
Subject: RE: Highway and Recycling Data needed for WPDES Annual Report

Recycling –

Waste oil – 3,350 gallons
Anti-freeze – 110 Gallons
Used oil filters – 2 -55 gallon drums

Vehicle volumes through the facility can be obtained from Janice.
Tim

From: Brionne Bischke
Sent: Tuesday, February 02, 2016 10:48 AM
To: Jay Olszewski; Tim Zimmerman
Cc: Lawrence Ratayczak; Eric Bartlein
Subject: Highway and Recycling Data needed for WPDES Annual Report

Hi Jay and Tim:

It's that time of year again when we ask you for data for the Village's WPDES annual report. I attached last year's data you provided, which is highlighted. Would you please provide to me the data for Year 2015? Thanks.



Brionne R. Bischke, P.E.

Village of Germantown
Village Engineer

(262) 250-4724 Work
(414) 975-4699 Mobile
bbischke@village.germantown....
N112 W17001 Mequon Rd.
P.O. Box 337
Germantown, WI 53022-0337

Elected Officials and Members of Village Committees: in order to comply with the Open Meetings Act requirements, please limit any reply to only the sender of this electronic communication.

From: Hartsook, Bryan D - DNR [Bryan.Hartsook@wisconsin.gov]
Sent: Monday, May 18, 2015 8:06 AM
To: Brionne Bischke
Subject: FW: 55 gallon drums in drainage ditch (Village of Germantown, Moldmakers Way)

Brionne,

Scott Ferguson confirms that the 55 gallon drums found in the drainage ditch contained only water (runoff).

Bryan

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Bryan Hartsook, P.E.
Phone: (262) 212-0263
bryan.hartsook@wisconsin.gov

From: Ferguson, Scott J - DNR
Sent: Wednesday, May 13, 2015 1:40 PM
To: Hartsook, Bryan D - DNR
Subject: RE: 55 gallon drums in drainage ditch (Village of Germantown, Moldmakers Way)

Bryan,

The drums contained water.

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Scott J. Ferguson
Phone: (414)263-8685
Scott.Ferguson@wisconsin.gov

From: Hartsook, Bryan D - DNR
Sent: Wednesday, May 13, 2015 12:30 PM
To: Ferguson, Scott J - DNR
Subject: 55 gallon drums in drainage ditch (Village of Germantown, Moldmakers Way)

Hi Scott,

I received a call from the Village Engineer letting me know that you are out responding to a potential spill situation where two 55-gallon drums were dumped in a drainage ditch off of Moldmakers Way. I would appreciate it if you could keep me in the loop on what's in the barrels so we can connect it up to potential sources. Thank you.

Bryan

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Bryan Hartsook, P.E.
Water Resources Engineer – Water Division
Wisconsin Department of Natural Resources
Waukesha Service Center, 141 NW Barstow St., Rm 180
Waukesha, WI 53188
Phone: (262) 212-0263
bryan.hartsook@wisconsin.gov



dnr.wi.gov



Brionne Bischke

From: Jay Olszewski
Sent: Monday, February 15, 2016 10:27 AM
To: Brionne Bischke; Tim Zimmerman
Cc: Lawrence Ratayczak; Eric Bartlein
Subject: RE: Highway and Recycling Data needed for WPDES Annual Report

Brionne,

Here is the Highway information as it pertains to the MS4 annual report.

Street Sweeping: 795 hours
Sweeping material: 421 c.y.
Water used 45,870 gal
Catch Basin: 10 Catch basins vacuumed
Main line cleaning: 200'
Catch Basin Rebuilds: 875 manhours

Yard inspections: No substantial spills or problems found

In house Snow Meeting/Salting Education: Nov. 24, 2015
2014-2015 Season Winter road Maintenance Summary:
First salt brine: Nov. 7 2014
Last salt brine: Nov. 24 2014
Gallons used: 600
First Plowing operation: Nov 15, 2014
Last Plowing operation: March 3, 2015
Total Operations and Salt use: 44 events/ 2,200 tons used

No new planned Activities and No Changes or Modifications

Please let me know if there is anything else you need.

Jay Olszewski
Village of Germantown
Superintendent of Highways



From: Brionne Bischke
Sent: Tuesday, February 02, 2016 10:48 AM
To: Jay Olszewski <jolszewski@village.germantown.wi.us>; Tim Zimmerman <tzimmerman@village.germantown.wi.us>
Cc: Lawrence Ratayczak <lratayczak@village.germantown.wi.us>; Eric Bartlein <ebartlein@village.germantown.wi.us>
Subject: Highway and Recycling Data needed for WPDES Annual Report

Hi Jay and Tim:

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

Type of Storm Drainage (Circle one): Catch Basin Ditch Outfall Pond
Environment (Circle one): Industrial Commercial Residential Other:
Location: N114 W19748 Woodberry Pass

Reported By: A Resident

Inspector's Name: Eric Bartlein
Date of Inspection: 11/30/15
Ambient Temperature: 41°F
Water Temperature: N/A

OUTFALL SCREENING RESULTS

Date/Time: 11/30/15 2:30 pm

OBSERVATIONS

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

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)

Additional Comments/Observations: A gas smelling odor was reported on Sunday 11/29/2015. We-Energies came out and determined it was not their utilities. It rained the night of 11/29/2015 and the morning of 11/30/2015. The gray Sheen does not appear to be from an oil or gas spill. Not that type of sheen. There are a lot of leaves in the catch basin's sump along with a dead frog.

Result: No evidence of the odor substance after the rainfall.