

March 31, 2010

Mr. Bryan D. Hartsook
Water Resources Engineer
Waukesha Service Center
Wisconsin Department of Natural Resources
141 NW Barstow Street, Room 180
Waukesha, WI 53188

Re: Village of Mukwonago
WPDES Storm Water Permit – Annual Report

Dear Bryan:

Enclosed please find a completed copy of the 2009 Annual Report, as required under the Village's WPDES Storm Water Permit.

Please contact me if you have any questions or comments.

Very truly yours,

RUEKERT/MIELKE



Steven C. Wurster, P.E.
Principal/Civil/Municipal Supervisor

SCW:crp
Enclosure(s)

cc: Paul Moderacki, Administrator/Clerk/Treasurer (w/enclosure)
Joseph Hankovich, Supervisor of Inspections/Zoning Administrator
Thomas Brandemuehl, Public Works Supervisor
Kurt A. Peot, P.E., Ruekert/Mielke
File

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Due by March 31, 2010

This form is for the purpose of annual reporting on activities undertaken pursuant to the Municipal Separate Storm Sewer System (MS4) General Permit No. WI-S050075-1. An owner or operator of a municipal separate storm sewer system covered by the general permit under Chapter NR 216, Wis. Adm. Code, is required to submit an annual report to the Department of Natural Resources by March 31 of each year to report on activities for the previous calendar year. This form is for reporting on activities undertaken in calendar year 2009. In addition, this form serves as the owner or operator's reapplication for permit coverage as required under s. NR 216.09, Wis. Adm. Code.

Use of this specific form is optional. The Department of Natural Resources has created this form for the user's convenience and believes that the information requested on this form meets the reporting and reapplication requirements for an owner or operator of a municipal separate storm sewer system covered by the general permit.

Instructions: Complete each section of the form that follows. If additional space is needed to respond to a question, attach additional pages. Provide descriptions that explain the program actions taken to-date to comply with the general permit. Complete and submit the annual report by March 31, 2010, to the appropriate address indicated on the last page of this form.

SECTION I. Municipal Information

Name of Municipality Village of Mukwonago		Facility ID No. (FIN) 35717	
Mailing Address 440 River Crest Court	City Mukwonago	State WI	Postal Code 53149
County(s) in which Municipality is located Waukesha, Walworth	Type of Municipality: (check one) <input type="checkbox"/> County <input type="checkbox"/> City <input checked="" type="checkbox"/> Village <input type="checkbox"/> Town <input type="checkbox"/> Other (specify)		

SECTION II. Municipal Contact Information

Name of Municipal Contact Person Mr. Thomas R. Brandemuehl		Title Public Works Supervisor	
Mailing Address 440 River Crest Court	City Mukwonago	State WI	Postal Code 53149
E-mail Address tbrandemuehl@villageofmukwonago.com	Telephone No. (including area code) 262-363-6447	Fax No. (including area code) 262-363-7197	

SECTION III. Certification

I hereby certify that I am an authorized representative of the municipality covered under MS4 General Permit No. WI-S050075-1 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 or been apprised of the contents of this annual report. I understand that Wisconsin law provides severe penalties for submitting false information.

Authorized Representative Printed Name Thomas Brandemuehl		Authorized Representative Title Public Works Supervisor	
Authorized Representative Signature 		Date Signed	
E-mail Address tbrandemuehl@villageofmukwonago.com	Telephone No. (including area code) 262-363-6447	Fax No. (including area code) 262-363-7197	

SECTION IV. General Information

a. Describe what efforts the municipality has undertaken to invite the municipal governing body, interest groups, and the general public to review and comment on the annual report.

The annual report and MS4/WPDES permit have been discussed at several recent staff and Public Works meetings. The 2008 annual report is currently available on the Village's website, and the 2009 Annual Report will be uploaded upon completion.

b. Describe how elected and municipal officials and appropriate staff have been kept apprised of the municipal storm water discharge permit and its requirements.

Village officials rely on Village staff to keep them informed of the MS4 permit requirements. High level Village staff members have been involved in discussions with the DNR and also with the Public Works Committee.

c. Has the municipality prepared its own municipal-wide storm water management plan? Yes No

If yes, title and date of storm water management plan:

Storm Water Management System Plan, August 2009

d. Has the municipality entered into a written agreement with another municipality or a contract with another entity to perform one or more of the conditions of the general permit as provided under Section 2.10 of the general permit? Yes No

If yes, describe these cooperative efforts:

The Village has joined Waukesha County's Public Information and Education program in March of 2008. It is the Village's intent that this agreement, augmented with activities from Village Staff, will cover the public education and outreach (Section 2.1) and public involvement and participation (Section 2.2) sections of the Village's WPDES permit. A copy of this agreement is available upon request.

e. Does the municipality have an internet website? Yes No

If yes, provide web address:

www.villageofmukwonago.com

If the municipality has an internet website, is there current information about or links provided to the MS4 general permit and/or the municipality's storm water management program? Yes No

If yes, provide web address:

http://www.villageofmukwonago.com/storm_water.htm

<http://www.villageofmukwonago.com/dpw.htm>

http://www.villageofmukwonago.com/refuse_collection.htm

<http://www.villageofmukwonago.com/ordinance%20816.pdf>

SECTION V. Permit Conditions

a. Minimum Control Measures: For each of the permit conditions listed below, provide a description of the status of implementation of program elements, the status of meeting measurable goals, and compliance with permit schedule in section 3 of the MS4 general permit. Be specific in describing the actions that have been taken during the reporting year to implement each permit condition and whether measurable goals have been met, including any data collected to document a measurable goal. Also, explain the reasons for any variations from the compliance schedule in the MS4 general permit.

- Public Education and Outreach

The Village joined the Waukesha County Information and Education program in March 2008. The Village has worked with the County on the 2009 activities and to develop the ongoing work plan. At the same time, the Village has added a specific storm water section to their website which includes newsletters, waste removal and storm drain stenciling information, the WPDES permit, the Village's storm water plan and much more information. The pet waste brochure is also currently handed out with all new dog license applications. In 2009, the Village made the monthly newsletters available to visitors at Village Hall events and spoke to the local Boy Scout Troop regarding storm water management and water quality concerns. A detailed list of activities completed in 2009 as part of the Waukesha County program is available upon request.

In 2010, the Village will add to the storm water section on their website and will work with the County to host the storm water display at a community event.

- Public Involvement and Participation

The Village joined the Waukesha County Information and Education program as outlined in the March 2008 agreement. The Village worked with the County on catch basin stenciling projects within the Village completed by local residents. In total, over 100 catch basins were stenciled in 2009. The yard waste and stenciling handouts were also made available at Village Hall to interested persons. The Village intends to promote additional stenciling activities for 2010.

- Illicit Discharge Detection and Elimination

The Village's updated illicit discharge detection and elimination ordinance was approved by the Village Board on January 6, 2009. This ordinance was modeled after Waukesha County's ordinance and is available on the Village's website. The Village's written illicit discharge response and enforcement procedure is attached. The initial field screening was completed by Village Staff in November of 2009. The results of this inspection were transmitted to the Department on December 22, 2009 and updated on January 26, 2010. Although no illicit discharges were identified, several maintenance issues were located which will be addressed in 2010. For their ongoing program, the Village intends to complete annual inspections of all major outfalls. Minor outfalls will be inspected throughout the year as part of the Village's standard maintenance operations.

- Construction Site Pollutant Control

The Village's updated erosion control and storm water management ordinance was approved by the Village Board on January 6, 2009. This ordinance was modeled after Waukesha County's ordinance and is available on the Village's website. The Village's updated erosion control enforcement procedure and flow chart is attached. In 2009, 15 one or two family home building permits were issued. Village Staff completed erosion control inspections on each of these sites throughout the construction process, or approximately 6 inspections/site. Corrective measures were requested immediately during inspection and repairs were completed within 24 hours. Although the Village did not have erosion control authority on commercial buildings, staff also inspected the Engineering Pump Building addition. Village Staff also completed construction site erosion control inspections in Black Bear Development, the high school grading work and the Village's Street Program. A stop work order was issued on February 17, 2009 for the Black Bear Development. Subsequent requests for restoration plans went ignored leading to DNR enforcement actions. A stabilization plan was received in June of 2009 and the work was completed in August.

- Post-Construction Storm Water Management

The Village's updated erosion control and storm water management ordinance was approved by the Village Board on January 6, 2009. This ordinance was modeled after Waukesha County's ordinance and is available on the Village's website. Although no formal inspections were completed in 2009, the Village completed informal inspections at each major storm water facility prior to each major forecasted storm. The Village will monitor the frequency and magnitude of inspections and enforcement activities in 2010 for reporting on the 2010 annual report. The Village is also in the process of determining which storm water facilities have signed maintenance agreements. Once known, agreements will be pursued for those facilities which currently do not have them.

- Pollution Prevention

The Village's pollution prevention plan was previously submitted to the Department and is attached. The Village used approximately 400 tons of de-icing salt and no sand from November 2009 through March of 2010. The Village also filled out the attached log sheets during each storm event in the Winter of 2009/2010 to begin tracking de-icing material application rates. The Village spent 374 hours street sweeping in 2009. Village Staff also attended the following training sessions in 2009: Center for Watershed Protection-Pollution Prevention Plan Development (Village Engineer-May, 2009); WCCA Floodplain Seminar (Village Engineer-June, 2009); Managing Storm Water in a Budget Crisis (Village Engineer-June, 2009); EPA Illicit Discharge & Elimination (Village Engineer-September, 2009); Center for Watershed Protection Storm Water Retrofitting (Village Engineer-October, 2009); Annual Waukesha County Storm Water BMP Workshop (Village Building Inspector and Engineer-March, 2009). America's Dependence on Groundwater (Village Administrator-March, 2009), Erosion Control Inspection Training (Village Building Inspector-Spring, 2009).

b. Storm Water Quality Management: Has the municipality completed a pollutant-loading analysis to assess compliance with the 20% TSS reduction developed urban area performance standard? Yes No

If yes, provide the following: Model used SLAMM Version 9.3 Reduction (%) 24.6

Has the municipality completed a pollutant-loading analysis to assess compliance with the 40% TSS reduction developed urban area performance standard? Yes No

If yes, provide the following: Model used SLAMM Version 9.3 Reduction (%) 24.6

If no, include a description of any actions the municipality has undertaken during 2009 to help achieve the 40% standard by March 10, 2013.

Has the municipality completed an evaluation of all municipal owned or operated structural flood control facilities to determine the feasibility of retrofitting to increase TSS removal? Yes No If yes, describe:

The only Village-owned storm water facilities are located in the Gateway District and along CTH "NN", east of STH "83". The Gateway facility is a wet pond, currently being maintained and performing with a high TSS removal. The CTH "NN" facility is recommended to be retrofit to improve TSS performance (see August 2009 storm water plan).

c. Storm Sewer System Map: Describe any changes or updates to the storm sewer system map made in the reporting year. Provide an updated map.

Although no major storm sewer changes occurred in 2009, an updated map is enclosed.

SECTION VI. Fiscal Analysis

- a. Provide a fiscal analysis that includes the annual expenditures for 2009, and the budget for 2009 and 2010. A table to document fiscal information is provided on page 6.
- b. What financing/fiscal strategy has the municipality implemented to finance the requirements of the general permit?
 Storm water utility General fund Other _____
- c. Are adequate revenues being generated to implement your storm water management program to meet the permit requirements? Yes No

Please provide a brief summary of your financing/fiscal strategy and any additional information that will assist the Department in understanding how storm water management funds are being generated to implement and administer your storm water management program.

The storm water program is currently funded through a storm water utility in the Gateway District and the general fund for the remainder of the Village. In 2009, the Village completed a storm water utility feasibility study and is currently considering creation of a utility throughout the Village.

SECTION VII. Inspections and Enforcement Actions

Note: If an ordinance listed below has previously been submitted and has not been amended since that time, a copy does not need to be submitted again. If the ordinance was previously submitted, indicate such in the space provided.

- a. As of the date of this annual report, has the municipality adopted a construction site pollutant control ordinance in accordance with subsection 2.4.1 of the general permit? Yes No If yes, attach copy or provide web link to ordinance:
- b. As of the date of this annual report, has the municipality adopted a post-construction storm water management ordinance in accordance with subsection 2.5.1 of the general permit? Yes No If yes, attach copy or provide web link to ordinance:
- c. As of the date of this annual report, has the municipality adopted an illicit discharge detection and elimination ordinance in accordance with subsection 2.3.1 of the general permit? Yes No If yes, attach copy or provide web link to ordinance:
- d. As of the date of this annual report, has the municipality adopted any other ordinances it has deemed necessary to implement a program under the general permit (e.g., pet waste ordinance, leaf management/yard waste ordinance, parking restrictions for street cleaning, etc.)? Yes No If yes, attach copy or provide web link to ordinance:

Section 34-32 Public Nuisances; Section 66-78 Management of Waste Oil and Waste;
http://www.villageofmukwonago.com/chapter_34.htm#Sec._34-32
http://www.villageofmukwonago.com/chapter_66.htm#Sec._66-78

- e. Provide a summary of available information on the number and nature of inspections and enforcement actions conducted during the reporting period to ensure compliance with the ordinances described in a. to d. above.

See Section V.

SECTION VIII. Water Quality Concerns

a. Does any part of the MS4 discharge to an outstanding resource water (ORW) or exceptional resource water (ERW) listed under s. NR 102.10 or 102.11, Wis. Adm. Code? (A list of ORWs and ERWs may be found on the Department's Internet site at: <http://dnr.wi.gov/org/water/wm/wqs/orwerw/>) Yes No If yes, list:
Mukwonago River

b. Does any part of the MS4 discharge to an impaired waterbody listed in accordance with section 303(d)(1) of the federal Clean Water Act, 33 USC § 1313(d)(1)(C)? (A list of the most current Wisconsin impaired waterbodies may be found on the Department's Internet site at: <http://dnr.wi.gov/org/water/wm/wqs/303d/303d.html>) Yes No If yes, complete the following:

- Impaired waterbody to which the MS4 discharges:

Fox River

- Description of actions municipality has taken to comply with section 1.5.2 of the MS4 general permit for discharges of pollutant(s) of concern to an impaired waterbody:

The Fox River is impaired primarily due to excess sediment, phosphorus, and PCB's within the waterway. The recommendations found within the Village's storm water management study, along with the information and education and pollution prevention programs will help reduce sediment and phosphorus loadings.

c. Identify any known water quality improvements in the receiving water to which the MS4 discharges during the reporting period.

None known.

d. Identify any known water quality degradation in the receiving water to which the MS4 discharges during the reporting period and what actions are being taken to improve the water quality in the receiving water.

None known.

SECTION IX. Department of Commerce Authority

Section 2.4.1.1.3 of the MS4 general permit requires a permittee that does not already have authority from the Wisconsin Department of Commerce (Commerce) to regulate erosion control at public buildings and places of employment to request such authority from Commerce within 18 months after the start date of permit coverage. However, as of January 1, 2010, responsibility for erosion control administration and enforcement for commercial building sites was transferred from Commerce to the Department of Natural Resources. This transfer took place due to 2009 Wisconsin Act 28, the 2009 state budget legislation, which moved s. 101.1205, Wis. Stats., commercial building construction site soil erosion and sediment control statutory language, to s. 281.33, Wis. Stats. As of January 1, 2010, the State's requirements for erosion control at commercial building construction sites will be administered by the Department of Natural Resources. Accordingly, a permitted municipality that was delegated to serve as an agent for Commerce will continue to serve as an agent for the Department of Natural Resources in accordance with the original agreement with Commerce unless this delegation is revoked by the Department of Natural Resources.

As of January 1, 2010, was the municipality granted authority from the Wisconsin Department of Commerce to regulate erosion control at public buildings and places of employment? Yes No The Village requested authority, but was denied.

SECTION X. Reapplication for Permit Coverage

Provide a description of any proposed changes to the municipality's storm water management program and any other relevant change that the municipality plans or anticipates.

The Village intends to build a large (800 to 1000 ton) salt storage shed in 2010. No other major changes are anticipated.

Fiscal Analysis Table. Complete the fiscal analysis table provided below.

Program Element	Annual Expenditure		Budget		Source of Funds
	2009	2009	2009	2010	
Public Education and Outreach					The Village is currently assembling this data. It will be provided to the Department upon completion.
Public Involvement and Participation					
Illicit Discharge Detection and Elimination					
Construction Site Pollutant Control					
Post-Construction Storm Water Management					
Pollution Prevention					
Storm Water Quality Management (including pollutant-loading analysis)					
Storm Sewer System Map					
Other					

NORTHERN REGION COUNTIES			WEST CENTRAL REGION COUNTIES		
Ashland	Langlade	DNR Service Center	Adams	Marathon	DNR Service Center
Barron	Lincoln	1401 Tower Ave.	Buffalo	Monroe	5301 Rib Mountain Rd.
Bayfield	Oneida	Superior, WI 54880	Clark	Portage	Wausau, WI 54401
Burnett	Polk	Phone: (715) 392-7988	Crawford	Trempealeau	Phone: (715) 359-4522
Douglas	Price		Jackson	Vernon	
Florence	Rusk		Juneau	Wood	
Forest	Sawyer		La Crosse		
Iron	Taylor				
	Vilas				
	Washburn				
			Chippewa	Pepin	DNR Service Center
			Dunn	Pierce	890 Spruce St.
			Eau Claire	St. Croix	Baldwin, WI 54002
					Phone: (715) 684-2914
NORTHEAST REGION COUNTIES			SOUTH CENTRAL REGION COUNTIES		
Brown	Marquette	DNR Northeast Region	Columbia	Jefferson	DNR South Central Region
Calumet	Menominee	2984 Shawano Ave.	Dane	LaFayette	3911 Fish Hatchery Rd.
Door	Oconto	Green Bay, WI 54313	Dodge	Richland	Fitchburg, WI 53711
Fond du Lac	Outagamie	Phone: (920) 662-5100	Grant	Rock	Phone: (608) 275-3266
Green Lake	Shawano		Green	Sauk	
Kewaunee	Waupaca		Iowa		
Manitowoc	Waushara				
Marinette	Winnebago				
SOUTHEAST REGION COUNTIES					
Kenosha	Sheboygan	DNR Service Center			
Milwaukee	Walworth	141 NW Barstow Street,			
Ozaukee	Washington	Room 180			
Racine	Waukesha	Waukesha, WI 53188			
		Phone: (262) 884-2300			

VILLAGE OF MUKWONAGO SPILL RESPONSE AND ILLICIT DISCHARGE PROCEDURE

April 2009

Administration

- The Village Public Works Supervisor will administer the illicit discharge program.
- The Village Fire Chief will administer the spill response program.
- This procedure shall be distributed to all Village employees who may receive notice of a spill or illicit discharge.

Emergency Contact Information

- Emergency Services (police, fire, ambulance): 911
- Public Works Supervisor: Tom Brandemuehl
Garage: (262) 363-6447
Mobile: (414) 550-7507
- Village of Mukwonago Fire (non emergency): (262) 363-6426
- Village of Mukwonago Police (non emergency): (262) 363-6435
- DNR Hazardous Spill Line: (800) 943-0003
- City of Waukesha Fire Department: (262) 524-3651
- City of Milwaukee Fire Department: (414) 286-8969
- Poison Control Center: (800) 222-1222

Spill and Illicit Discharge Response Procedure

- When Village staff is made aware of a spill or illicit discharge with the potential to contaminate the municipal storm sewer system, the individual receiving the call shall immediately notify the Village's emergency government director / fire chief following the chain of command found within the Village's emergency government procedure. The emergency government director / fire chief shall be the primary contact for the spill response program.
- Persons in the vicinity of a spill should immediately evacuate the premises (except for employees with training in spill response). If the spill appears hazardous, immediately notify emergency response personnel listed above.
- Consult with the trained hazardous waste personnel for waste disposal procedures and never wash spills into a storm drain.
- All spills, regardless of size, should be reported as soon as possible to the emergency government director / fire chief and the public works supervisor. The emergency government director / fire chief will coordinate clean up with the appropriate trained emergency response personnel.
- All spills shall be reported to the Wisconsin Department of Natural Resources within 24 hours after being made aware of the spill. The emergency government director / fire chief shall coordinate this notification.
- If the spill reaches a waterway and has the potential to contaminate downstream resources, the emergency government director / fire chief shall immediately notify the officials of the downstream communities that may be impacted by the spill, following the procedure in the emergency government procedure.



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VILLAGE OF MUKWONAGO SPILL RESPONSE AND ILLICIT DISCHARGE PROCEDURE

April 2009

Field Screenings

- The Village shall complete the initial field screening at all major outfalls during dry weather periods prior to January 1, 2010. Major outfalls shall be those identified on the official storm sewer map from the Village's Storm Water Management Plan.
- The ongoing Illicit Discharge Program will be determined based upon the results of the initial field screening. This ongoing program must be submitted to the Wisconsin DNR prior to January 1, 2010.
- Any citizen complaint will be investigated with an inspection of the discharge location in question.
- These inspections/field screenings shall be recorded on the Village of Mukwonago Illicit Discharge Field Screening Sheet.

Violations

- Whenever Village staff finds a violation of the Illicit Discharge ordinance, the Village may order compliance by written notice of violation to the responsible party.

Enforcement Measures

- Such written notice of violation may require the following without limitation:
 - The elimination of illicit connections or discharges.
 - That violating discharges, practices, or operations shall cease and desist.
 - The abatement or remediation of storm water pollution or contaminated hazards and the restoration of any affected property.
 - Any responsible party that fails to comply with a notice of violation under this section shall be subject to further enforcement action under the enforcement provisions of the Storm Water Management and Erosion Control Enforcement Procedures.



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VILLAGE OF MUKWONAGO EROSION CONTROL ENFORCEMENT PROCEDURE

April 2009

Inspections

- The Supervisor of Inspections shall administer the erosion control program and shall inform all appropriate Village staff and potential erosion control permit holders of this procedure.
- The Supervisor of Inspections shall track all Village-issued erosion control permits and enforcement activities.
- The permit holder shall inspect any site that holds an erosion control permit within 24 hours after each rain event of 0.5 inches or more and at least once each week.
- The permit holder shall provide qualified personnel to conduct inspections and maintain an inspection log for the site. The inspection log must be available for viewing by the Village either on the site or via the internet.
- The permit holder may also choose to have the Village or its designee perform these inspections. These Village inspections do not absolve the permit holder from their responsibilities under other permits.
- If the permit holder chooses to complete their own site inspections, the Village shall complete inspections at the following intervals:
 - Once a month between March 1 and October 31.
 - Two times between November 1 and February 28.
 - Site inspection frequency will be increased if violations are found.
 - Inspections will be performed by the Village Supervisor of Inspections or the Village Engineer, depending on the complexity of the site's best management practices.
- Any citizen complaint will be investigated with an inspection of the site in question within 24 hours after receipt of the complaint. If the complaint may result in immediate damage to the Village's water resources, the complaint will be investigated immediately. All complaints, including follow-up actions, will be logged and tracked by the Supervisor of Inspections.
- The cost of all inspections by the Village or the Village's designee shall be billed to the permit holder.

Violations

- After discovering a violation, the Village shall notify the permit holder in writing, following the procedure outlined in the corresponding flow chart. This written notification shall be hand delivered to the permit holder or sent to the last known address, with a reasonable attempt to verify that the permit holder received it.
- The permit holder shall maintain and repair all best management practices within 24 hours of inspection.

Enforcement Measures

- If violations are not corrected within 24 hours after the inspection, the Village may use the following enforcement measures in accordance with the erosion control and storm water management ordinance:
 - Fees: Upon permit revocation, the Village may require the applicant to resubmit the storm water application permit fee.
 - Forfeiture: Any violator shall be subject to a forfeiture of not less than \$500 or more than \$1000 plus the cost of prosecution for each violation. Each day that a violation exists shall constitute a separate offense.
 - Stop Work Order: Any violator is subject to an order to stop all work except that which is needed as a corrective action to bring the site into compliance.
 - Permit Revocation: The Village may revoke a permit issued under this ordinance. Upon loss of the permit, all construction shall cease and the site shall be stabilized, with any costs incurred by the Village to be charged against the financial assurance.
 - Injunction: The Village, or any person affected by activities regulated under this ordinance may enforce the provisions of this ordinance by a temporary restraining order, injunction and other such relief as a court may order.
 - Declared Nuisances: Any land disturbing or land development activity carried out in violation of the provisions of this Ordinance is hereby declared to be a nuisance *per se*, and the Village may apply to any court of competent jurisdiction to restrain or abate such nuisance.
 - Emergency Action: The Village may enter upon the property and take any necessary emergency action if the Village determines that the site in violation is an immediate threat to public health, safety, welfare, the environment or downstream property, or if the permit holder or other violator refuses to take the correct action as ordered by the Village. Any cost incurred by the Village as a result shall be billed to the permit holder or other responsible party or subtracted from the financial assurance. The Village shall provide reasonable notice to the permit holder and other responsible party after exercising this authority.
 - Citation: The Village may also choose to use the citation method of enforcement under Section 66.0113 of the Wisconsin Statutes for violations of this ordinance (*see the Village of Mukwonago Storm Water Management and Erosion Control Ordinance for additional details*).



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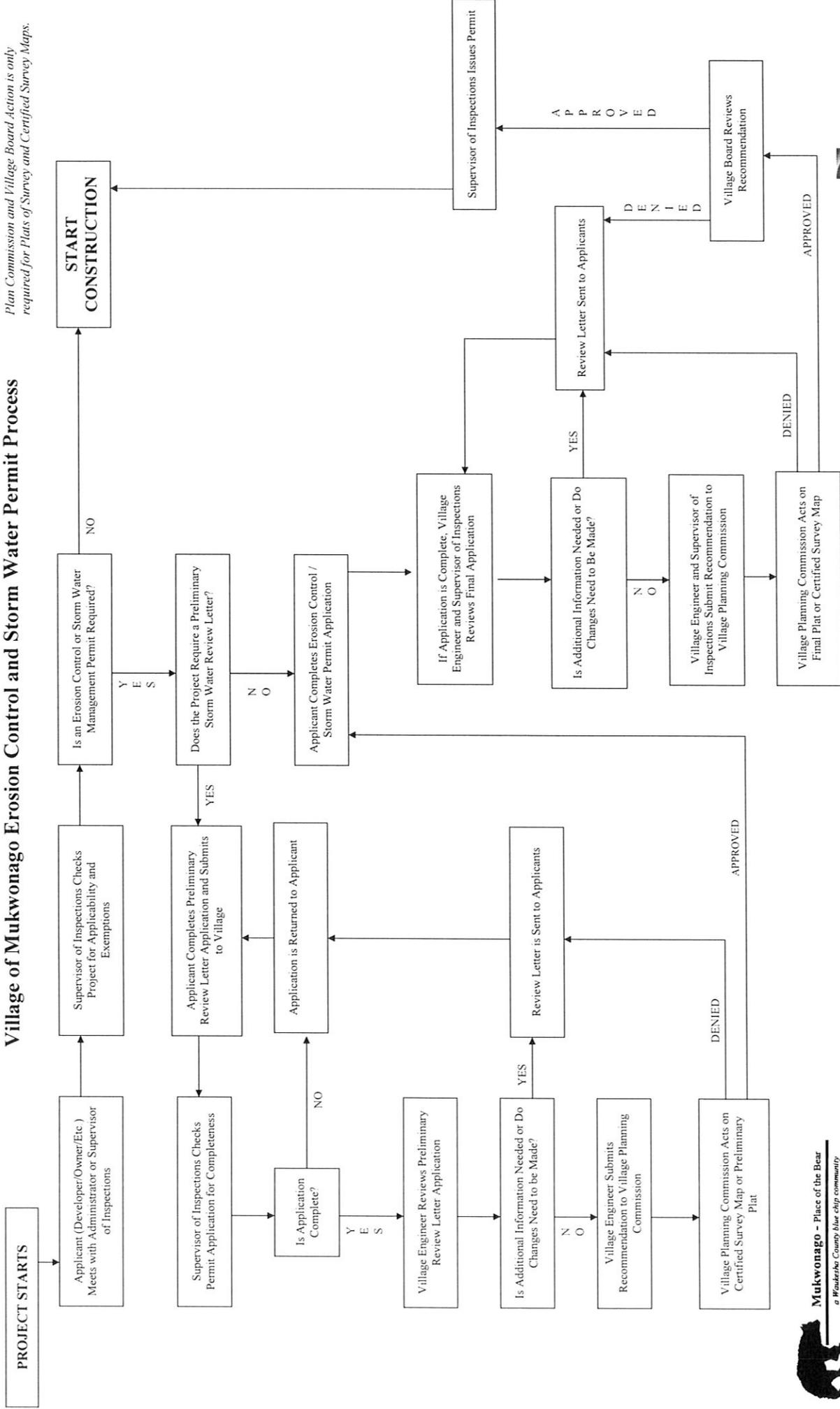


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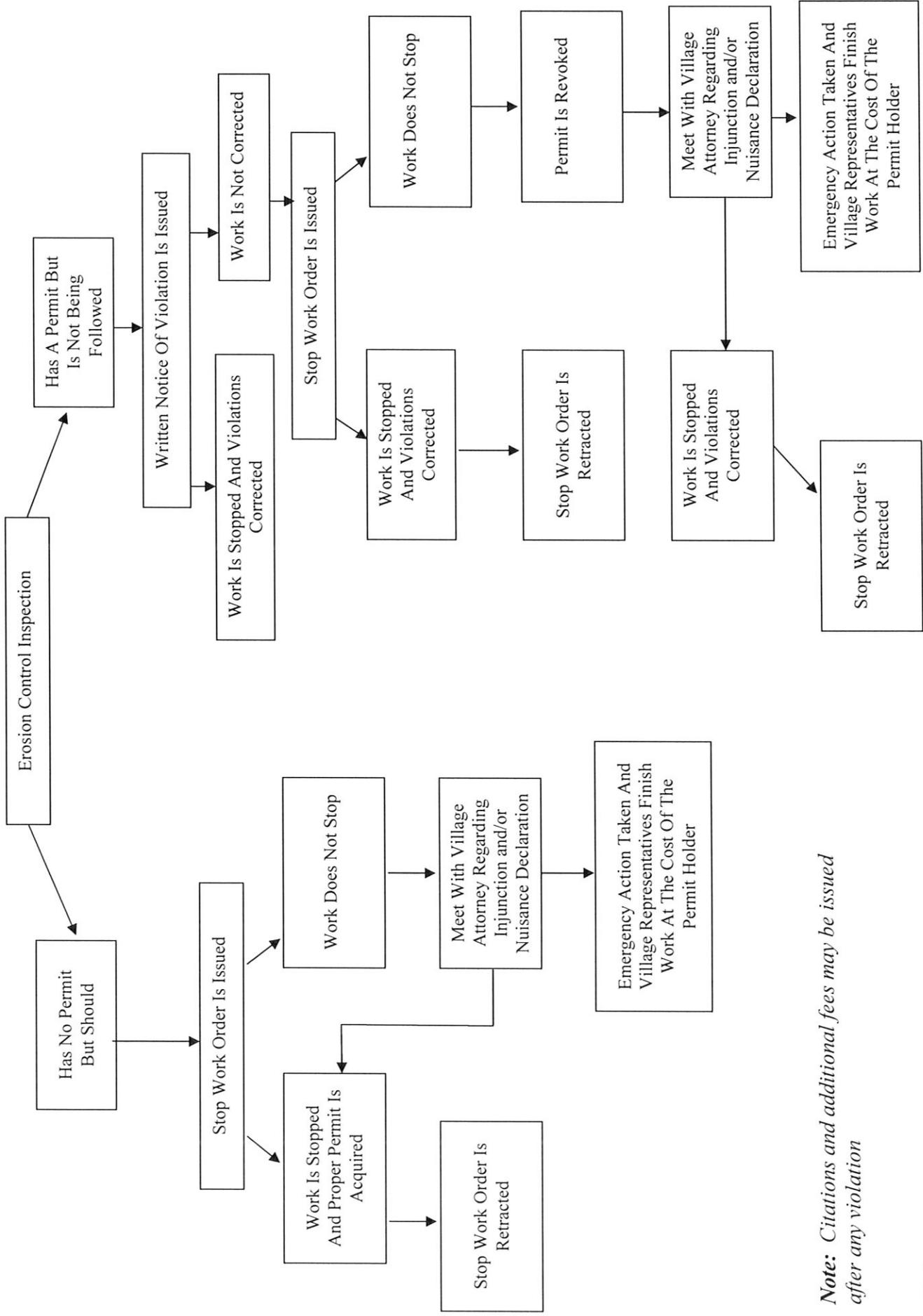
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Village of Mukwonago Erosion Control and Storm Water Permit Process

*NOTE:
Plan Commission and Village Board Action is only required for Plats of Survey and Certified Survey Maps.



Village of Mukwonago Erosion Control Enforcement Procedure Flow Chart



Note: Citations and additional fees may be issued after any violation

VILLAGE OF MUKWONAGO POLLUTION PREVENTION PROGRAM

April 2009

Administration

- The Village Public Works Supervisor will administer the pollution prevention program.

Current Operations

- The Village currently sweeps all streets each April. They continue with sweeping all arterial streets once a month and all other streets once every two months throughout the sweeping season. Sweeping typically ends in late October or early November. The Village completes the sweeping using their own 1983 Elgin Whirlwind II combination brush and vacuum sweeper.
- The Village's catch basins and storm sewer inlets are cleaned as needed, based on visual inspection.
- The Village uses a pure salt mixture for deicing operations, meaning no sand or liquid calcium chloride is being used. All salt is stored in a covered 120-ton salt storage building that is inspected annually by a consulting firm hired by the Village.
- The Village is extremely conservative in the application of deicing salt. The Village only salts hills, intersections and highly traveled roadways using the lowest salt truck auger setting. The Village aims to have no excess or undissolved salt on the roadways after the snow event.
- The Village does not provide collection for brush or grass clippings. However, Village residents may be able to have their bagged grass clippings and brush picked up as part of the Village's refuse collection program. The Village provides leaf collection each fall.
- All debris collected during leaf collection, street sweeping and catch basin cleaning operations is disposed of at the public works garage. The organic material is composted into topsoil, while the structural material is used as fill.
- Village-owned storm water facilities are reviewed for proper functionality after each significant rainfall. Repairs and maintenance are completed as needed.
- The Village currently owns one municipal storm water detention facility (in the Gateway District) which is maintained by Village public works staff in accordance with the maintenance plan.
- The Village, in conjunction with their refuse collector and Waukesha County offer a waste oil and household chemical recycling program.
- The Village does not apply fertilizers to any Village-owned properties larger than 5 acres, nor do they store any fertilizers. Other chemicals are stored within the main public works garage, in appropriate chemical storage cabinets.

Proposed Program Modifications

- Modify the current street sweeping program to include sweeping of all residential areas twice per year, primarily for cosmetic reasons or in areas of high deicing sand application. Sweep the industrial, commercial, institutional, office and high-density residential areas 8 times per year, or on average once every 3.5 weeks during the sweeping season, following the street sweeping map. The amount of sweepings recovered each year will be tracked and monitored.
- Fill out the recently-developed log sheet after each snow event to begin quantifying deicing salt used per plowing event and begin to track salt used per lane mile versus snow depth. After developing a baseline of salt usage over several years, identify opportunities to reduce salt usage per lane mile per inch of snowfall. Included in this plan shall be the evaluation of alternative deicing methods as they become available.
- Promote the onsite reuse of lawn debris in the Village's public information and education program.
- Continue the current storm water facility maintenance program for Village-owned facilities.
- Investigate the ownership and maintenance responsibilities of the detention facilities along Holz Parkway.
- Track the annual inspection and maintenance of all storm water facilities owned by homeowners associations.
- Hold one annual training session for all appropriate municipal staff on the importance of proper storm water management.



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VILLAGE OF MUKWONAGO POLLUTION PREVENTION PROGRAM

April 2009

Storm Water Best Management Practice Inspections

- Any site that contains a Storm Water Best Management Practice (detention pond, infiltration basin, etc.) shall be inspected at least once per year and after every major storm event, unless otherwise specified in a site-specific maintenance plan. The responsible party (owner or other entity identified in the maintenance agreement) shall provide qualified personnel to conduct inspections.
- The responsible party may choose to have the Village or its designee perform these inspections.
 - These Village inspections do not absolve the permit holder from their responsibilities under other permits.
 - The cost of all inspections by the Village shall be billed to the permit holder.
- All newer developments will generally have site-specific maintenance agreements recorded with the County Register of Deeds. Those maintenance agreements will typically require the homeowner's association to complete the inspections. These inspections shall then be submitted to the Village.
 - If an inspection report is not submitted to the Village within 15 days of the annual deadline, a warning letter shall be sent by the Village to the responsible party. This letter shall state that if an annual inspection report is not submitted within 30 days from the date of the letter, the Village will perform the inspection and the responsible party will be charged the cost of this inspection.
- Any citizen complaint will be investigated with an inspection of the site in question.

Storm Water Best Management Practice Maintenance Violations

- After discovering a violation, the Village shall notify the permit holder in writing. This written notification shall be hand delivered to the permit holder or sent to the last known address, with a reasonable attempt to verify that the permit holder received it.

Storm Water Best Management Practice Enforcement Measures

- If violations are not corrected, the Village may use the following enforcement measures in accordance with the erosion control and storm water management ordinance:
 - Fees: Upon permit revocation, the Village may require the applicant to resubmit the storm water application permit fee.
 - Forfeiture: Any violator shall be subject to a forfeiture of not less than \$500 or more than \$1000 plus the cost of prosecution for each violation. Each day that a violation exists shall constitute a separate offense.
 - Stop Work Order: Any violator is subject to an order to stop all work except that which is needed as a corrective action to bring the site into compliance.
 - Permit Revocation: The Village may revoke a permit issued under this ordinance. Upon loss of the permit, all construction shall cease and the site shall be stabilized, with any costs incurred by the Village to be charge against the financial assurance.
 - Injunction: The Village, or any person affected by activities regulated under this ordinance may enforce the provisions of this ordinance by a temporary restraining order, injunction and other such relief as a court may order.
 - Declared Nuisances: Any land disturbing or land development activity carried out in violation of the provisions of this Ordinance is hereby declared to be a nuisance *per se*, and the Village may apply to any court of competent jurisdiction to restrain or abate such nuisance.
 - Emergency Action: The Village may enter upon the property and take any necessary emergency action if the Village determines that the site in violation is an immediate threat to public health, safety, welfare, the environment or downstream property, or if the permit holder or other violator refuses to take the correct action as ordered by the Village. Any cost incurred by the Village as a result shall be billed to the permit holder or other responsible party or subtracted from the financial assurance. The Village shall provide reasonable notice to the permit holder and other responsible party after exercising this authority.
 - Citation: The Village may also choose to use the citation method of enforcement under Section 66.0113 of the Wisconsin Statutes for violations of this ordinance (*see the Village of Mukwonago Storm Water Management and Erosion Control Ordinance for additional details*).



Mukwonago - Place of the Bear

a Waukesha County blue chip community



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VILLAGE OF MUKWONAGO SNOW REMOVAL SUMMARY

Inspector's Name: Thomas Brandemuehl

Date: 2/22/10

Estimated Snow Depth: 2"

Temperature: 30°

Wind Speed and Direction: _____

Freezing Rain / Icing Conditions (Yes/No)?: _____

Estimated Total Salt Usage: 20 Ton

Salt Application and Plowing Scenario:

Check All That Apply

- Salt Intersections; No Plowing
- Salt Intersections and Main Roads; No Plowing
- Salt All Roads; No Plowing
- Salt Intersections With Plowing
- Salt Intersections and Main Roads With Plowing
- Salt All Road With Plowing
- Multiple Salt Applications and Plowing (Describe) _____
- Other (Describe) _____

Additional Information: _____

VILLAGE OF MUKWONAGO SNOW REMOVAL SUMMARY

Inspector's Name: Thomas Brandemuehl
Date: 2/24/10
Estimated Snow Depth: 1/2"
Temperature: 28°
Wind Speed and Direction: _____
Freezing Rain / Icing Conditions (Yes/No)? _____
Estimated Total Salt Usage: 20 T

Salt Application and Plowing Scenario:

Check All That Apply

- Salt Intersections; No Plowing
- Salt Intersections and Main Roads; No Plowing
- Salt All Roads; No Plowing
- Salt Intersections With Plowing
- Salt Intersections and Main Roads With Plowing
- Salt All Roads With Plowing
- Multiple Salt Applications and Plowing (Describe) _____
- Other (Describe) _____

Additional Information: _____

VILLAGE OF MUKWONAGO SNOW REMOVAL SUMMARY

Inspector's Name: Thomas Brondmuehl
Date: 2/26/10
Estimated Snow Depth: 3/4"
Temperature: 30°
Wind Speed and Direction: _____
Freezing Rain / Icing Conditions (Yes/No)? _____
Estimated Total Salt Usage: 20T

Salt Application and Plowing Scenario:
Check All That Apply

- Salt Intersections; No Plowing
- Salt Intersections and Main Roads; No Plowing
- Salt All Roads; No Plowing
- Salt Intersections With Plowing
- Salt Intersections and Main Roads With Plowing
- Salt All Roads With Plowing
- Multiple Salt Applications and Plowing (Describe) _____
- Other (Describe) _____

Additional Information: _____

VILLAGE OF MUKWONAGO SNOW REMOVAL SUMMARY

Inspector's Name: Thomas Brandemuehl
Date: 2-16-10
Estimated Snow Depth: 1/2"
Temperature: 20°
Wind Speed and Direction: _____
Freezing Rain / Icing Conditions (Yes/No)?: (No)
Estimated Total Salt Usage: 20 TON

Salt Application and Plowing Scenario:

Check All That Apply

- Salt Intersections; No Plowing
- Salt Intersections and Main Roads; No Plowing
- Salt All Roads; No Plowing
- Salt Intersections With Plowing
- Salt Intersections and Main Roads With Plowing
- Salt All Roads With Plowing
- Multiple Salt Applications and Plowing (Describe) _____
- Other (Describe) _____

Additional Information: _____

VILLAGE OF MUKWONAGO SNOW REMOVAL SUMMARY

Inspector's Name: Thomas R Brandemel
Date: 2-10-00
Estimated Snow Depth: 3.5"
Temperature: 20°
Wind Speed and Direction: _____
Freezing Rain / Icing Conditions (Yes/No)? (No)
Estimated Total Salt Usage: 20 Ton

Salt Application and Plowing Scenario:

Check All That Apply

- Salt Intersections; No Plowing
- Salt Intersections and Main Roads; No Plowing
- Salt All Roads; No Plowing
- Salt Intersections With Plowing
- Salt Intersections and Main Roads With Plowing
- Salt All Roads With Plowing
- Multiple Salt Applications and Plowing (Describe) _____
- Other (Describe) _____

Additional Information: _____

VILLAGE OF MUKWONAGO SNOW REMOVAL SUMMARY

Inspector's Name: Thomas Brendemuehl
Date: 2-9-10
Estimated Snow Depth: 6"
Temperature: 26°
Wind Speed and Direction: _____
Freezing Rain / Icing Conditions (Yes/No)? (No)
Estimated Total Salt Usage: 10 Ton

Salt Application and Plowing Scenario:

Check All That Apply

- Salt Intersections; No Plowing
- Salt Intersections and Main Roads; No Plowing
- Salt All Roads; No Plowing
- Salt Intersections With Plowing
- ^{some} Salt Intersections and Main Roads With Plowing
- Salt All Roads With Plowing
- Multiple Salt Applications and Plowing (Describe) _____
- Other (Describe) _____

Additional Information: _____

VILLAGE OF MUKWONAGO SNOW REMOVAL SUMMARY

Inspector's Name: Thomas Brundemuhl
Date: 02 - 02 - 10
Estimated Snow Depth: 2.0 "
Temperature: 26 °
Wind Speed and Direction: _____
Freezing Rain / Icing Conditions (Yes/No)?: (No) _____
Estimated Total Salt Usage: 25 ton

Salt Application and Plowing Scenario:

Check All That Apply

- Salt Intersections; No Plowing
- Salt Intersections and Main Roads; No Plowing
- Salt All Roads; No Plowing
- Salt Intersections With Plowing
- Salt Intersections and Main Roads With Plowing
- Salt All Roads With Plowing
- Multiple Salt Applications and Plowing (Describe) _____
- Other (Describe) _____

Additional Information: _____

VILLAGE OF MUKWONAGO SNOW REMOVAL SUMMARY

Inspector's Name: Thomas Brundmuhl
Date: 1-8-10
Estimated Snow Depth: 6"
Temperature: 9° - 15°
Wind Speed and Direction: 15 To 30 MPH
Freezing Rain / Icing Conditions (Yes/No)? (No)
Estimated Total Salt Usage: 10 Ton

Salt Application and Plowing Scenario:

Check All That Apply

- Salt Intersections; No Plowing
- Salt Intersections and Main Roads; No Plowing
- Salt All Roads; No Plowing
- Salt Intersections With Plowing
- ^{Some} Salt Intersections and Main Roads With Plowing
- Salt All Roads With Plowing
- Multiple Salt Applications and Plowing (Describe) _____
- Other (Describe) _____

Additional Information: _____

VILLAGE OF MUKWONAGO SNOW REMOVAL SUMMARY

Inspector's Name: Thomas Brundelmuehl
Date: 1-7-10
Estimated Snow Depth: 4"
Temperature: 15°
Wind Speed and Direction: 15 To 30 MPH
Freezing Rain / Icing Conditions (Yes/No): (No)
Estimated Total Salt Usage: 10 Ton

Salt Application and Plowing Scenario:

Check All That Apply

- Salt Intersections; No Plowing
- Salt Intersections and Main Roads; No Plowing
- Salt All Roads; No Plowing
- Salt Intersections With Plowing
- Salt Intersections and Main Roads With Plowing
- Salt All Roads With Plowing
- Multiple Salt Applications and Plowing (Describe) _____
- Other (Describe) _____

Additional Information: _____

VILLAGE OF MUKWONAGO SNOW REMOVAL SUMMARY

Inspector's Name: Thomas R Brendemuehl
Date: 12-31-09
Estimated Snow Depth: 3"
Temperature: 28°
Wind Speed and Direction: _____
Freezing Rain / Icing Conditions (Yes/No)? (No)
Estimated Total Salt Usage: 25

Salt Application and Plowing Scenario:

Check All That Apply

- Salt Intersections; No Plowing
- Salt Intersections and Main Roads; No Plowing
- Salt All Roads; No Plowing
- Salt Intersections With Plowing
- Salt Intersections and Main Roads With Plowing
- Salt All Roads With Plowing
- Multiple Salt Applications and Plowing (Describe) _____
- Other (Describe) _____

Additional Information: _____

VILLAGE OF MUKWONAGO SNOW REMOVAL SUMMARY

Inspector's Name: Thomas Brundemeuhl
Date: 12-26-09
Estimated Snow Depth: 4"
Temperature: 28°
Wind Speed and Direction: _____
Freezing Rain / Icing Conditions (Yes/No)? : _____
Estimated Total Salt Usage: 25

Salt Application and Plowing Scenario:

Check All That Apply

- Salt Intersections; No Plowing
- Salt Intersections and Main Roads; No Plowing
- Salt All Roads; No Plowing
- Salt Intersections With Plowing
- Salt Intersections and Main Roads With Plowing
- Salt All Roads With Plowing
- Multiple Salt Applications and Plowing (Describe) _____
- Other (Describe) _____

Additional Information: _____

VILLAGE OF MUKWONAGO SNOW REMOVAL SUMMARY

Inspector's Name: Thomas R. Brendemuehl
Date: 12-25-09
Estimated Snow Depth: Trace
Temperature: 29°
Wind Speed and Direction: _____
Freezing Rain / Icing Conditions (Yes/No)?: (0) _____
Estimated Total Salt Usage: 25

Salt Application and Plowing Scenario:

Check All That Apply

- Salt Intersections; No Plowing
- Salt Intersections and Main Roads; No Plowing
- Salt All Roads; No Plowing
- Salt Intersections With Plowing
- Salt Intersections and Main Roads With Plowing
- Salt All Roads With Plowing
- Multiple Salt Applications and Plowing (Describe) _____
- Other (Describe) _____

Additional Information: _____

VILLAGE OF MUKWONAGO SNOW REMOVAL SUMMARY

Inspector's Name: Thomas Brandemuehl
Date: 12-24-09
Estimated Snow Depth: 5"
Temperature: 30°
Wind Speed and Direction: _____
Freezing Rain / Icing Conditions (Yes/No)?: (No)
Estimated Total Salt Usage: 25

Salt Application and Plowing Scenario:

Check All That Apply

- Salt Intersections; No Plowing
- Salt Intersections and Main Roads; No Plowing
- Salt All Roads; No Plowing
- Salt Intersections With Plowing
- Salt Intersections and Main Roads With Plowing
- Salt All Roads With Plowing
- Multiple Salt Applications and Plowing (Describe) _____
- Other (Describe) _____

Additional Information: _____

VILLAGE OF MUKWONAGO SNOW REMOVAL SUMMARY

Inspector's Name:

Thomas Brendenell

Date:

12-23-09

Estimated Snow Depth:

1" - 2"

Temperature:

28 - 30

Wind Speed and Direction:

Freezing Rain / Icing Conditions (Yes/No)?

(Yes)

Estimated Total Salt Usage:

15 Ton

Salt Application and Plowing Scenario:

Check All That Apply

- Salt Intersections; No Plowing
- Salt Intersections and Main Roads; No Plowing
- Salt All Roads; No Plowing
- Salt Intersections With Plowing
- Salt Intersections and Main Roads With Plowing
- Salt All Roads With Plowing
- Multiple Salt Applications and Plowing (Describe) _____
- Other (Describe) _____

Additional Information: _____

VILLAGE OF MUKWONAGO SNOW REMOVAL SUMMARY

Inspector's Name: Thomas Brandemeuhl
Date: 12-22-09
Estimated Snow Depth: 3"-4"
Temperature: 27°
Wind Speed and Direction: _____
Freezing Rain / Icing Conditions (Yes/No)? (No)
Estimated Total Salt Usage: 25 Ton

Salt Application and Plowing Scenario:
Check All That Apply

- Salt Intersections; No Plowing
- Salt Intersections and Main Roads; No Plowing
- Salt All Roads; No Plowing
- Salt Intersections With Plowing
- Salt Intersections and Main Roads With Plowing
- Salt All Roads With Plowing
- Multiple Salt Applications and Plowing (Describe) _____
- Other (Describe) _____

Additional Information: _____

VILLAGE OF MUKWONAGO SNOW REMOVAL SUMMARY

Inspector's Name: Thomas R. Brendemuehl
Date: 12-9-09
Estimated Snow Depth: 8 1/2
Temperature: 28° - 32°
Wind Speed and Direction: _____
Freezing Rain / Icing Conditions (Yes/No)? (No)
Estimated Total Salt Usage: 25 Ton

Salt Application and Plowing Scenario:
Check All That Apply

- Salt Intersections; No Plowing
- Salt Intersections and Main Roads; No Plowing
- Salt All Roads; No Plowing
- Salt Intersections With Plowing
- Salt Intersections and Main Roads With Plowing
- Salt All Roads With Plowing
- Multiple Salt Applications and Plowing (Describe) _____
- Other (Describe) _____

Additional Information: _____

VILLAGE OF MUKWONAGO SNOW REMOVAL SUMMARY

Inspector's Name: Thomas Brandemeier
Date: 12-8-09
Estimated Snow Depth: 2"
Temperature: 28°
Wind Speed and Direction: _____
Freezing Rain / Icing Conditions (Yes/No)?: yes
Estimated Total Salt Usage: 25 Tons

Salt Application and Plowing Scenario:

Check All That Apply

- Salt Intersections; No Plowing
- Salt Intersections and Main Roads; No Plowing
- Salt All Roads; No Plowing
- Salt Intersections With Plowing
- Salt Intersections and Main Roads With Plowing
- Salt All Roads With Plowing
- Multiple Salt Applications and Plowing (Describe) _____
- Other (Describe) _____

Additional Information: _____

VILLAGE OF MUKWONAGO SNOW REMOVAL SUMMARY

Inspector's Name:

Thomas R. Bronckmull

Date:

12-7-09

Estimated Snow Depth:

T Race

Temperature:

31°

Wind Speed and Direction:

Freezing Rain / Icing Conditions (Yes/No)?

NO

Estimated Total Salt Usage:

5 Ton

Salt Application and Plowing Scenario:

Check All That Apply

- Some*
- Salt Intersections; No Plowing
 - Salt Intersections and Main Roads; No Plowing
 - Salt All Roads; No Plowing
 - Salt Intersections With Plowing
 - Salt Intersections and Main Roads With Plowing
 - Salt All Roads With Plowing
 - Multiple Salt Applications and Plowing (Describe) _____
 - Other (Describe) _____

Additional Information: _____

VILLAGE OF MUKWONAGO SNOW REMOVAL SUMMARY

Inspector's Name: Thomas Brundemuhl
Date: 12-4-09
Estimated Snow Depth: 1"
Temperature: 24°
Wind Speed and Direction: ?
Freezing Rain / Icing Conditions (Yes/No)? No
Estimated Total Salt Usage: 25 TON

Salt Application and Plowing Scenario:

Check All That Apply

- Salt Intersections; No Plowing
- Salt Intersections and Main Roads; No Plowing
- Salt All Roads; No Plowing
- Salt Intersections With Plowing
- Salt Intersections and Main Roads With Plowing
- Salt All Roads With Plowing
- Multiple Salt Applications and Plowing (Describe) _____
- Other (Describe) _____

Additional Information: _____

VILLAGE OF MUKWONAGO SNOW REMOVAL SUMMARY

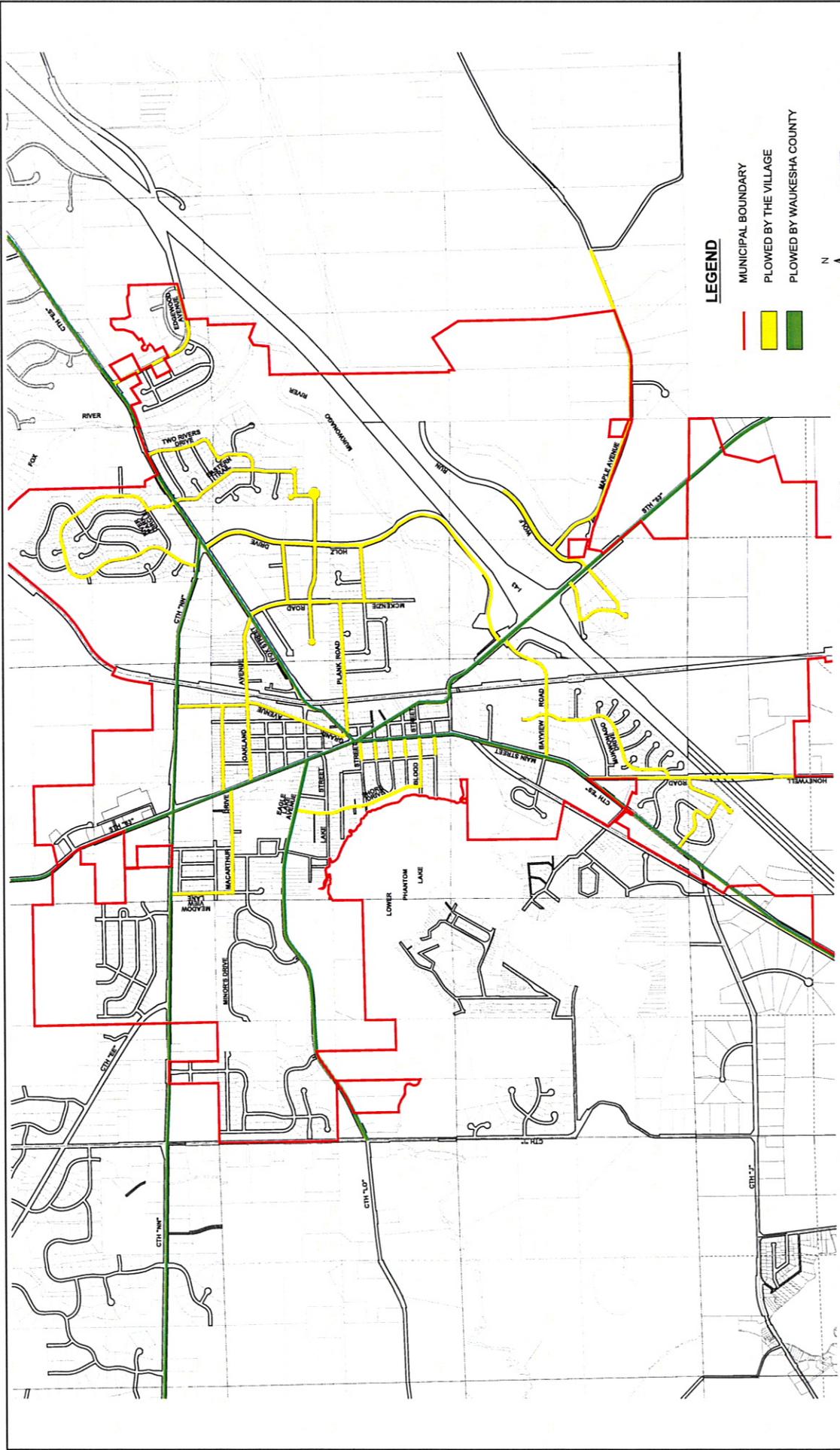
Inspector's Name: Thomas Brendemuehl
Date: 12-3-09
Estimated Snow Depth: 2"
Temperature: 27°
Wind Speed and Direction: 4^{MPH} W 5 W
Freezing Rain / Icing Conditions (Yes/No)? NO
Estimated Total Salt Usage: 25 Ton

Salt Application and Plowing Scenario:

Check All That Apply

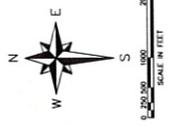
- Salt Intersections; No Plowing
- Salt Intersections and Main Roads; No Plowing
- Salt All Roads; No Plowing
- Salt Intersections With Plowing
- Salt Intersections and Main Roads With Plowing
- Salt All Roads With Plowing ^{some}
- Multiple Salt Applications and Plowing (Describe) _____
- Other (Describe) _____

Additional Information: _____



LEGEND

- MUNICIPAL BOUNDARY
- PLOWED BY THE VILLAGE
- PLOWED BY WAUKESHA COUNTY



NOTE: VILLAGE STAFF ALSO PLOWS MOST INTERSECTIONS AND HILLS WITHIN THE VILLAGE.

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 DATE: MAY, 2009
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SNOW PLOWING SCHEDULE
VILLAGE OF MUKWONAGO
WAUKESHA & WALWORTH COUNTIES, WISCONSIN

Mukwonago - Place of the Bear
 a Waukesha County blue chip community



PUBLIC WORKS YARD POLLUTION PREVENTION PLAN

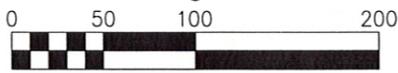
VILLAGE OF MUKWONAGO
WAUKESHA COUNTY, WISCONSIN



May 01, 2009 11:32am PLOTTED BY: AKrueger SAVED BY: AKrueger
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SCALE IN FEET

DATE: MAY 2009

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 BASEMAP SOURCE: WAUKESHA COUNTY PARKS & LAND USE

