

Due by March 31, 2014

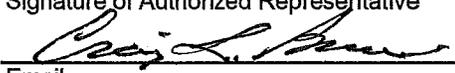
Notice: Pursuant to s. NR 216.07(8), Wis. Adm. Code, an owner or operator of a Municipal Separate Storm Sewer System (MS4) is required to submit an annual report to the Department of Natural Resources (DNR) by March 31 of each year to report on activities for the previous calendar year. This form is being provided by the DNR for the user's convenience. Personal information collected will be used for administrative purposes and may be provided to the extent required by Wisconsin's Open Records Law [ss. 19.31-19.39, Wis. Stats.].

This form is for reporting on activities undertaken in calendar year 2013.

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 comply with the general permit. Complete and submit the annual report by March 31, 2014, to the appropriate address indicated on the last page of this form.

SECTION I. Municipal Information			
Name of Municipality		Facility ID No. (FIN)	
Village of Allouez		31085	
Mailing Address	City	State	ZIP Code
1900 Libal Street	Green Bay	WI	54301
County(s) in which Municipality is located	Municipality Type: (select one)		
Brown	<input type="radio"/> County <input type="radio"/> City <input checked="" type="radio"/> Village <input type="radio"/> Town <input type="radio"/> Other (specify)		

SECTION II. Municipal Contact Information			
Name of Municipal Contact Person		Title	
Craig L. Berndt, P.E.		Director, Public Works	
Mailing Address	City	State	ZIP Code
1900 Libal Street	Green Bay	WI	54301
Email	Phone Number (include area code)	Fax Number (include area code)	
<i>Craig@villageofallouez.com</i>	(920) 448-2800	(920) 448-2850	

SECTION III. Certification			
<p><i>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.</i></p>			
Authorized Representative Printed Name		Authorized Representative Title	
Craig L. Berndt, P.E.		Director, Public Works	
Signature of Authorized Representative		Date	
		03/12/2014	
Email	Phone Number (include area code)	Fax Number (include area code)	
<i>Craig@villageofallouez.com</i>	(920) 448-2800	(920) 448-2850	

SECTION IV. General Information			
<p>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.</p> <p>The stormwater annual report was reviewed at the Public Works Committee meeting on February 13th and at the Village Board meeting on March 4th. The contents of the report was reviewed at these meetings. The report was posted on the Village of Allouez website under Stormwater Management, and is available for resident review at the Village Hall reception desk. The meetings were public noticed to the press and posted on the Village website and posted at the Village Hall.</p>			
<p>b. Describe how elected and municipal officials and appropriate staff have been kept apprised of the municipal storm water discharge permit and its requirements.</p>			

SECTION IV. General Information (continued)

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

A condensed summary of the annual report and the stormwater program status was prepared and presented to the Village Board. This summary presented the current status and the path forward for the stormwater program.

The recent development and approval of the Lower Fox River TMDL has been presented to the Public Works Committee and the Village Board during the past year. The implications for the stormwater program have been presented.

The development of the Riverside Drive highway reconstruction project and its implications for the Allouez stormwater program was presented during 2013. The preliminary plan for stormwater management prepared by the Village for this project has been presented to the Village board and to the design consultant for the project.

An update to the stormwater management plan was completed at the end of 2012. The stormwater management plan was presented to the Public Works Committee and the Village Board in November and December 2012. The plan was approved by the Village Board in December 2012. A presentation of the plan was made by McMahon Associates to committee and board. This task is included in the 2013 annual report because it occurred in late 2012 and discussion carried over into 2013, and was used as part of the preliminary engineering of the Riverside Drive highway project.

The MS4 annual report is provided to members of the Public Works Committee and the Village Board, and is reviewed with them and approved for submittal to the WDNR. The board is fairly well informed about the stormwater management program, and does evaluate and input on the path forward as the program is implemented.

- 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:

Stormwater Management Plan, Village of Allouez, dated August, 2008.

Stormwater Management Plan Update, Village of Allouez, dated December 2012.

- 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:

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

If yes, provide web address:

www.villageofallouez.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:

www.villageofallouez.com; click "Departments," click on "Stormwater Management."

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. Provide an evaluation of program compliance with the general permit, the appropriateness of identified best management practices, and progress towards achieving identified measurable goals. 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.

SECTION V. Permit Conditions (continued)

• Public Education and Outreach

BMP: Use website to educate and promote the stormwater program. The stormwater management link on the website is used to provide information on many stormwater management techniques, and is updated as needed.

BMP: Display educational materials (passive distribution). An information kiosk is maintained at the Village Hall entrance. Many articles on several stormwater topics are picked up by residents during the year.

BMP: Distribute educational materials (active distribution). The Village mails the booklet "All About Allouez" to all residents and business's in January each year, mails it to new residents during the year. It is also in the kiosk. This booklet contains several pages of information on stormwater management. This booklet is sent about 6,000 residents and businesses.

BMP: Publish meeting minutes, permits, and events. All committee and Village Board meeting minutes and reports regarding stormwater are posted on the Village website under Stormwater Management. All Village meetings are noticed to the press and posted at the Village Hall and website.

BMP: Publish stormwater articles, meeting notices and event in municipal newsletter. As mentioned, stormwater articles are included in the booklet "All About Allouez" each year and distributed to all residents and businesses.

BMP: Install signs to educate about stormwater pollution. In 2013 stormwater stencils were painted on storm inlets near two schools.

Stormwater permits were posted at 3 private construction sites and at 2 municipal construction sites in 2013.

BMP: Give presentations, meetings, and workshops to educate about stormwater impacts. Two meetings were held with developers with regard to erosion control and stormwater management plans for projects. These meetings resulted in permits issued, engineering plans developed, and project controls installed.

• Public Involvement and Participation

BMP: Hold public meetings on the stormwater program. A public meeting was held in December for presentation of the stormwater plan update. This was held as part of a Village Board meeting.

BMP: Develop partnerships and stakeholder meetings to involve the public. This task remains as presented in the 2011 annual report.

BMP: Citizen Stormwater Advisory Committee. A committee has been established but did not meet in 2013.

BMP: Organize and/or promote volunteer storm drain stenciling, stream cleanups, shoreline cleanups, highway cleanups, and numerous other potential projects. Storm drain stenciling was done in 2012 and additional stenciling will be done in 2013. Approximately 50 stencils were installed each year.

SECTION V. Permit Conditions (continued)

• Illicit Discharge Detection and Elimination

BMP: Adopt illicit discharge detection & elimination ordinance or other regulatory mechanism. The illicit discharge ordinance was originally adopted in 2008. The ordinance was reviewed as part of the 2012 stormwater plan update. An update to the ordinance is not required.

BMP: Create dedicated funding sources (storm utility ERU fees, permit fees, non-compliance fees). The stormwater utility ERU fee was established at \$6.47 per ERU in 2008. The ERU fee was increased to \$7.00 in 2012. For 2014 the ERU fee was increased to \$7.25 per residential ERU.

BMP: Develop policies & procedures for the illicit discharge detection & elimination program. The program details and procedures are identified in the annual inspection reports, and also identified in the illicit discharge ordinance that was adopted in 2008. Refer to that report for further details. The illicit discharge inspection report for 2013 is included with this report submittal.

BMP: Update the municipal separate storm sewer system (MS4) map. The storm sewer system map provided with the 2012 annual report submittal is the current system map.

BMP: Conduct field screening, on-going filed screening, and routine inspections. The field inspections conducted in 2013 are included in the report attached to this annual report. The inspections are in accordance with the procedures manual adopted in 2008.

• Construction Site Pollutant Control

BMP: Adopt construction site erosion control ordinance or other regulatory mechanism. Ordinance No. 52 Construction Site Erosion Control was adopted in 2008. It was reviewed as part of the stormwater plan update in 2012 and no change to the ordinance was required.

BMP: Create dedicated funding sources (application fee, inspection fees, & forfeitures). The funding mechanism for this work was established in 2008, and was updated in 2010 to the current fees. The construction site erosion control permit cost is included in the cost of the stormwater management plan approval fee (these permits are issued together on every project), and the site inspection cost is covered by a weekly fee of \$50 per week for all projects with an erosion control permit. The permit fees cover the cost of the erosion control inspections on all projects. This permit process and permit/inspection fees will remain in place in the future. This item will be deleted from future reports as this task is complete, and will only be reviewed if changes are necessary.

BMP: Review permit applications, erosion & sediment control plans & financial guarantees. Three stormwater management plans and erosion control permits were issued in 2013 for private development projects. Two municipal projects were also covered by erosion control practices in compliance with municipal ordinance. Erosion control permits were posted at all sites.

BMP: Conduct site inspections for erosion control and enforce the erosion control ordinance. All construction sites, including the municipal street reconstruction projects, were inspected on a weekly basis by the contractor and as needed by the building inspector. Corrective actions were required for 2 erosion control sites, and one written warning was issued. The total number of inspections was approximately 50.

BMP: Consider information submitted by the public to the municipality. No tips were received during 2013. Field full.

SECTION V. Permit Conditions (continued)

• **Post-Construction Storm Water Management**

BMP: Adopt stormwater management ordinance or other regulatory mechanism. Ordinance No. 53 Post Construction Stormwater Management was adopted in 2008. It was reviewed in 2012 as part of the stormwater plan update, and no update is required.

BMP: Create dedicated funding sources (application fee, inspection fee and forfeitures). The funding for the stormwater management permits was established in 2008, and the fees were updated in 2010. The stormwater permit fee is based on the cost to review the permittee's stormwater management plan, and provide inspection of the BMP's installed. The permit fees have been adequate to cover the village costs.

BMP: Review permit applications, plans, maintenance agreements, and financial guarantees. Three stormwater management permits were issued in 2013. The maintenance agreements were recorded at the Register of Deeds.

BMP: Track long-term maintenance of stormwater management facilities. There are now 6 operating municipal stormwater treatment systems (large wet detention ponds), and 18 operating private facilities (small treatment systems). Establishing a monitoring program for the municipal facilities is a future task as sediment removal is not required this early in their operation. The private facilities will be monitored as a program is established to do this.

BMP: Educate permit applicants, designers, contractors, inspectors, and facility owners. The three projects permitted in 2013 included meetings with the designers.

• **Pollution Prevention**

BMP: Conduct routine inspections and maintenance of municipally owned structural BMP's. See the attached summary for pollution prevention. This section is essentially the same as described for the 2011 annual report.

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 WinSLAM Version V10.0 Reduction (%) 38.6

If no, include a description of any actions the municipality has undertaken during 2012 to help achieve the 20% standard.

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:

c. **Best Management Practices Maintenance:** Does the municipality have a maintenance program for installed storm water best management practices? Yes No

If yes, describe the maintenance program and any maintenance activities that have occurred for best management practices in 2012. If available, attach any additional information on the maintenance program.

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

The stormwater system map submitted in 2012 is the current system map.

SECTION VI. Fiscal Analysis

a. Provide a fiscal analysis that includes the annual expenditures for 2012, and the budget for 2012 and 2013. A table to document fiscal information is provided on page 8.

A copy of the stormwater utility budget is attached. This is the budget summary only for stormwater operations and engineering. The Storm Water Utility budget for the Village of Allouez also includes the storm sewer maintenance, street sweeping, and other functions. The Storm Water Utility enterprise fund maintains an approximate fund balance of \$200,000.

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.

Allouez established an enterprise stormwater utility in 2004. The stormwater utility is funded by the ERU fees collected. The fund is further described in the previous 2011 annual report. The ERU fee was increased to \$7.25 per ERU for 2014. The stormwater utility maintains a cash balance (reserve funds) for operations and debt service. The Storm Water Utility budget and required ERU revenue is reviewed annually, and the ERU rate adjusted when necessary.

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:

Previously submitted and is available on the village website.

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:

Previously submitted and is available on the village website.

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:

Previously submitted and available on the village website.

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:

These were described in the 2011 annual report. Refer to that report for further information.

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.

The number of erosion control inspections by Village staff on private development projects was approximately 12 inspections, and on the municipal projects was approximately 50. Weekly inspections are required by all contractors and are in addition to the above.

There were two erosion violation notices during 2013. Corrective action was taken by the contractors/owners.

There were no violations of the post-construction stormwater management ordinance in 2013.

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/topic/SurfaceWater/orwerw.html>) Yes No If yes, list:

SECTION VIII. Water Quality Concerns (continued)

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/water/impairedsearch.aspx?status=303d>) Yes No If yes, complete the following:

- Impaired waterbody to which the MS4 discharges:

The Fox River and the East 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 Village of Allouez has completed the construction of six stormwater wet detention ponds for treatment of stormwater runoff. During 2013 the construction of the sixth pond, the Heritage Hill/Taft wet detention pond, was completed. Final prairie seeding will be completed in 2014. This wet detention pond is located on the Fox River and will treat stormwater discharges to the Fox. Thus, the Village has provided considerable stormwater treatment for runoff discharged to the Fox and East Rivers, both impaired waterways.

Further information on actions by the Village were included in the 2011 annual report. Those actions included street sweeping, fall leaf collection for the entire village, catch basin cleaning, and the proprietary stormwater treatment devices in the Village. Street sweeping removes 192 tons of suspended solids annually, and is accomplished with two high efficiency street sweepers.

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

The Fox River dredging to remove sediment laden with PCB's has been underway for several years.

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.

There is no increase in degradation of the Fox and East Rivers due to discharges from the Village of Allouez MS4.

SECTION IX. Proposed Program Changes

Describe any proposed changes to the storm water management program being contemplated by the municipality for 2013 and the schedule for implementing those changes. Proposed program changes must be consistent with the requirements of the general permit.

The Heritage Hill/Taft wet detention treatment system was completed in mid-2013 and placed into operation. This is a further step to the future goal of meeting the treatment requirements of the Lower Fox River TMDL plan. The Village of Allouez is proceeding with additional stormwater treatment beyond the current WDNR TSS removal requirements to meet the future TMDL goals. This includes stormwater treatment as part of the Riverside Drive HWY 57 reconstruction project.

The Village street sweeping program has been fully implemented. The no parking ban is implemented, and the final placement of no parking signs is completed.

The Village of Allouez Stormwater Management Plan Update has been completed. This plan addresses the treatment requirements to meet the long range goals of the TMDL. The plan incorporates the future Riverside Drive reconstruction and stormwater treatment requirements.

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FIN / Municipality Name

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

Program Element	Annual Expenditure		Budget		Source of Funds
	2013	2014	2013	2014	
Public Education and Outreach	2,500	1,000	1,000	1,000	ERU fees fund all Storm Utility operations
Public Involvement and Participation	1,000	1,000	1,000	1,000	
Illicit Discharge Detection and Elimination	2,100	5,000	5,000	5,000	
Construction Site Pollutant Control	1,600	1,000	1,000	1,000	Inspections by engineering staff and covered under building inspection or construction project budgets. Fees are collected for commercial project permits and inspections.
Post-Construction Storm Water Management	3,000	1,000	1,000	4,000	
Pollution Prevention	3,000	1,000	1,000	1,000	
Storm Water Quality Management (including pollutant-loading analysis)	14,132	20,000	20,000	20,000	
Storm Sewer System Map	0	500	500	500	
Other: Stormwater pond maintenance	32,823	27,500	27,500	20,000	Annual pond maintenance including wetland plantings, weed control, prairie maintenance.
Other: Street Cleaning Sweeping	67,425	73,683	73,683	75,147	Includes sweeping labor and equipment charges plus sweeping disposal cost.
Other: NEWSC Membership	1,500	1,500	1,500	1,500	

- **Pollution Prevention**

BMP: Conduct routine inspections and maintenance of municipally owned structural BMP's.

-Number of municipally owned or operated structural BMP's: There are 6 operating wet detention pond stormwater treatment facilities owned and operated by the Village in 2013.

-Number of 5-year inspection reports for municipally owned or operated structural BMP's: There are no five year inspections at this time because the wet detention ponds are relatively new. We will be beginning a sediment monitoring program in 2014.

-Number of routine Village structural BMP inspections performed: The Village wet detention ponds are inspected and the outfall structures cleaned on a weekly basis during the wet weather periods (March-June, September-November) and on a biweekly or monthly basis as needed during the low rainfall periods. The cleaning is to keep the overflow structures functioning properly. The Public Works Dept is responsible for this maintenance and one operator is responsible for tracking and completing this work.

The Village contracts with an aquatic biologist to inspect and maintain the operating ponds with respect to weed control, animal pest control, additional wetland and prairie plantings, and other pond maintenance as required. An annual maintenance budget is included in the stormwater utility budget for this work, and was budgeted at \$27,500 for 2013 and \$20,000 for 2014. It has been the Allouez experience with wet detention ponds that it requires about 3 years of additional wetland and prairie maintenance to establish the ponds to the desired fully established flora. This budget covers those activities. Also, Allouez contracts with a fur trapper to remove muskrats both spring and fall, and our operator inspects the ponds after trapping and plugs any damage with clay.

BMP: Conduct routine street sweeping where appropriate and properly dispose of waste.

-Number of curb miles swept each year: The approximate number of street miles swept in 2013 was 1000 miles, or in curb miles it was 2,000 miles. The entire Village was swept 18 times plus the weekly street sweeping in the commercial area.

-Tons or cubic yards of street sweeping waste disposed each year: The sweeping total to landfilling was 192.25 tons in 2013. All street sweepings are landfilled except for fall leaf collection in October and November which are leaves only and these are recycled with the bulk volume of leaves.

-Investigate, adopt, or modify a parking ordinance for street sweeping: In 2010 the street sweeping program with parking controls was formally adopted by Village ordinance. The signage installation for parking controls was fully implemented in 2013 and is based on sweeping districts of the village on the garbage collection routes, with no parking signs installed at key locations in each collection zone. No parking labels (signs) are installed on each garbage cart to inform residents of no on street parking on garbage collection day. This has worked well. Street sweeping is two times per month, with the commercial district on north

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Webster Avenue weekly sweeping.

BMP: Routine catch basin cleaning program.

-Catch basin cleaning maintenance program: The Village storm sewer system inlets that contain sumps are cleaned once per year before the fall leaf collection season. The Village uses a Vactor truck for catch basin cleaning. The captured debris is hauled to the yard waste site and subsequently hauled to landfill. All new storm inlets are constructed with minimum 2 ft deep sumps, and all repaired inlets are reconstructed with a sump.

BMP: Snow Storage Management.

-Manage winter snow storage to minimize pollution runoff: Snow that is removed from residential street areas due to excess accumulation is transported to one of a few storage sites the Village maintains for this purpose (Farm site, sites located on vacant lands, Village Hall site) and each site has either a stormwater treatment system for the melted snow or a vegetated buffer to filter the melt. Debris left after melting is removed from each site and landfilled.

BMP: Street snowplowing road salt usage. Apply road salt only as necessary to maintain public safety.

-Management of road salt usage and reduction efforts: The Village of Allouez continues its efforts to reduce road salt usage to minimize impact on stormwater discharges and operating cost. In 2013 a further reduction in salt usage over 2012 was accomplished which was approximately an additional 14% reduction. In 2013 all salt spreading equipment was adjusted by a factory service representative to reduce salt usage. In 2012 liquid salt brine tanks were added to all snowplow trucks. Further, liquid salt brine use has been implemented for Libal Street, major intersections, and hillside streets to reduce the need for street salting in advance of ice and snow events. Allouez fabricated its own liquid salt brine tanker and applicator.

-Pounds of salt applied per curb mile of street: Road salt is applied to street intersections and steep grades only, and is applied in lieu of snowplowing if light snowfall and if icing conditions occur which is a safety concern. Sidewalk salt is applied only on Village sidewalks when severe icing occurs. The approximate road salt usage in 2008 was 1,400 tons (approximately 12.9 lbs salt per curb mile), for 2009 was 1,100 tons (approximately 10.2 lbs salt per curb mile), for 2010 was 1000 tons (approximately 9.25 lbs salt per curb mile), for 2011 was 609 tons (approximately 5.6 lbs salt per curb mile, and for 2012 was 520 tons or approximately 4.8 lbs salt per curb mile. For 2013 the total salt usage was 448 tons, which is approximately 4.1 lbs salt per curb mile. Beginning in 2013 the village fabricated a liquid salt brine applicator and began routine use when appropriate (proper temperature, ice prevention). Operating experience shows that dry road salt usage is reduced and some reduction in operator overtime is obtained when liquid salt brine can be used in preparation for a snow and ice event.

-BMP: Proper management of leaves, brush and grass clippings to minimize stormwater impacts.

-Leaves, brush and grass clippings collection and disposal program: The Village of Allouez has an extensive fall leaf collection

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program, and a spring clean-up program for leaves and garden wastes. Residents are required to collect and may dispose of grass clippings at the Village Farm Site as an option as the Village does not collect grass clippings. The fall leaf collection program includes baling of leaves and subsequent transport to one or more recycling options (farms, re-vegetation cover, landscaping). When leaves are collected on Village streets comprehensive sweeping follows immediately and results in very high suspended solids capture, much more effective than previous Village methods of leaf collection. Spring cleanup is much lower quantities of leaves but does capture garden wastes. This Village program is effective in reducing stormwater impacts and the operating cost is much lower than the past practice of using vacuum leaf collection. All leaves are recycled to landscapers and farmers.

-Provide schedule of curb-side pick-up days for leaves and brush: A curb-side pick-up schedule for brush and leaves is published annually in the "All About Allouez" booklet mailed to residents, and posted on the Village website under "Public Works." During fall leaf collection the weekly collection route and schedule is posted on Monday and Wednesday to assist residents in planning for placing leaves at curb-side. Brush pickup has been revised to one week per month for 2013 from the previous 2 weeks per month for some months, and two months do not have collection. These are cost savings measures.

-Tons or cubic yards of leaves and grass clippings disposed of each year: Leaves are baled on the street and hauled to two recycling operations for reuse. Approximately 954 tons of leaves were hauled to recycling in 2013. The recycling operations include farm use, use by a landscaping operation, and a private composting facility.

BMP: Management of Village Hall garage maintenance operations.

-Management of garage maintenance activities to reduce pollution: An extensive management program is maintained for the Village Hall site and the maintenance garage. This includes the following items: garage operations are contained within the building and all oils and wastes go to the sanitary sewer with sand traps to minimize sand discharge; salt storage is self-contained with sealed floors and paved entry area; waste oil is properly disposed; fuel is properly stored and handled to prevent spills; a chain link fence surrounds the storage yard to prevent access; vehicles are washed in an indoor wash bay; and all chemicals used are stored indoors. The garage operations are discussed in more detail in the Allouez Stormwater Management Plan dated 2008.

BMP: Farm site management to reduce stormwater pollution.

-Manage farm site (yard waste site) to minimize stormwater runoff: The farm site is operated to not store baled leaves, white goods, refuse, scrape materials, and brush for any extended period. No leaves are stored on-site, they are direct hauled to end users following collection. Brush is collected curbside and hauled to the yard waste site and piled until September when it is ground up. Some ground mulch is hauled to landscapers and other users, and some ground mulch is made available to residents for pickup. No materials are stored thru the winter except for the ground mulch. Vegetated cover surrounds the farm

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site to reduce impact of any runoff. The waste oil facility is located at the resident accessible section of the site, and is covered and enclosed in a spill containment tank. The yard waste drop-off site is staffed by a Village employee for most of the operating hours of the facility to reduce unwanted materials.

BMP: Conduct nutrient management planning for Village owned properties.

-Number of Village owned properties with >5 acres of turf area fertilized: The one property larger than 5 acres that is fertilized is the Allouez soccer complex and baseball fields. Management of this property is under an nutrient management plan. The other large properties are the river parkway areas which are not fertilized.

-Number of nutrient management plans prepared for Village owned properties: A nutrient management plan has been prepared for the Allouez soccer complex by a professional landscaping firm. The recommendations of this plan are applied to other smaller baseball fields, which are the only sites where fertilizer is applied.