



Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

Notice of Intent for New or Renewal of General Permit for Discharges from Small Municipal Separate Storm Sewer Systems (MS4's)

Part I. Municipal (MS4) Contact Information

1. Name of Municipality: Village of Inverness MS4 #: ILR400359
 Population (based on 2010 census): 7,399
2. MS4 Mailing Address: 1400 W. Baldwin Road City: Inverness, IL Zip: 60067
3. Primary MS4 Contact Person (Authorized Representative for MS4 Permit)
 Name: Jason Doland P.E. Title: Village Engineer
 Phone: 847-991-5088 x113 Email Address: jdoland@dolandengineering.com

General Information

4. Latitude and Longitude at approximate geographical center of MS4 for which you are requesting authorization to discharge:
 Latitude: 42 07 03 Longitude: -88 05 45
 Degrees Minutes Seconds Degrees Minutes Seconds
5. Community Type: Village Other: _____
6. Name(s) of governmental entity(ies) in which MS4 is located:
- | City/Village | Township | County |
|--------------|-----------------------|-------------|
| Inverness | Barrington & Palatine | Cook County |
7. Area of land within your MS4 in square miles: 6.7
8. Percent of MS4 served by combined sewer: 0 Percent of MS4 served by separate sewer: 10

Impaired Waters

The most recent 303(d) list may be found at <https://www2.illinois.gov/epa/topics/water-quality/watershed-management/tmdls/Pages/303d-list.aspx>. Information regarding TMDLs may be found at <https://www2.illinois.gov/epa/topics/water-quality/watershed-management/tmdls/Pages/default.aspx>.

Name(s) of known receiving waters (in and within 3 miles of MS4 area)	Impairment listed on 303d List or TMDL?
Flint Creek	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Poplar Creek	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Upper Salt Creek	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

- 9a. If impaired, which potential causes and source?
 Causes: DO, Total P, Chloride, TSS, Fecal Coliform Source: numerous rural-character communities
- 9b. Are the receiving waterbodies included in an approved TMDL or alternate water quality management plan? Yes No
- 9c. Is the MS4 community included in the chloride variance? Yes No

Program Responsibility

10. Shared Responsibility

- Is your MS4 responsible for any permit requirements of another MS4 community? Yes No
- Does your MS4 Community rely on another MS4 to satisfy any of the permit requirements? Yes No

11. Co-Permittee

Is your MS4 Community a Co-Permittee with another MS4 Community? Yes No

12. Other contacts responsible for implementation or coordination of Stormwater Management Program

Name: Jason Doland P.E. Title: Village Engineer

Phone: 847-991-5088 x113 Email: jdoland@dolandengineering.com

Area of Responsibility: Village wide responsibility

Part II. Best Management Practices (include shared responsibilities) which have been implemented or are proposed to be implemented in the MS4 area

A. Public Education and Outreach

Approximate date first implemented: May 2010 Frequency of each BMP program: Quarterly

Qualifying Local Programs

Quarterly newsletters, website, recycling events

Measurable Goals (include shared responsibilities)

A.1 Distributed Paper Material

Brief Description of BMP

Quarterly Village newspaper addressing water quality issues for resident education. We also distribute and make available numerous pamphlets related to "Protecting our Waters", "Best Management Practices", and "Proper Hazardous Waste Disposal".

Measurable Goals, including frequencies

The newsletter value is measurable upon our inspection on the drainage ways. This provides an opportunity to show residents the rationale behind the news letter information and how it effects their quality of life. This is done quarterly.

Milestones

Year 1: Water quality related to inspection of septic systems

Year 2: Water quality related to erosion control measures

Year 3: Water quality related to hazardous waste disposal

Year 4: Water quality related to vehicle fluid maintenance

Year 5: Recycling and how SWANCC can assist residents in the removal of hazardous waste from homes.

Additional Info

BMP Number: _____

A.2 Speaking Engagement

Brief Description of BMP

Erosion control and water pollution control presentation to lake owners

Measurable Goals, including frequencies

Measured goal is to reduce the sediment deposition rate and contamination of the neighborhood bodies of water.

Milestones

Year 1: Valley Lakes, Lake Inverness, and Shires homeowner meeting. Sediment depth samples and contaminant inspections.

Year 2: Salt Creek and Tributary B homeowner meeting. Sediment depth samples and contaminant inspections.

Year 3: Salt Creek Tributary A homeowner meeting. Sediment depth samples and contaminant inspections.

Year 4: Flint Creek homeowner meeting. Sediment depth samples and contaminant inspections.

Year 5: Poplar Creek homeowner meeting. Sediment depth samples and contaminant inspections.

Additional Info

BMP Number: _____

A.3 Public Service Announcement

Brief Description of BMP

At public hearing, water quality and hazardous waste removal are discussed.

Measurable Goals, including frequencies

Monthly discussion in open public meeting regarding hazardous waste removal and water quality.

Milestones

Year 1: Increase the emphasis on water quality discussions and notifications at public meetings.

Year 2: Increase the emphasis on water quality discussions and notifications at public meetings.

Year 3: Increase the emphasis on water quality discussions and notifications at public meetings.

Year 4: Increase the emphasis on water quality discussions and notifications at public meetings.

Year 5: Increase the emphasis on water quality discussions and notifications at public meetings.

Additional Info

BMP Number: _____

A.4 Community Event

Brief Description of BMP

Solid waste collection opportunities made available for hazardous waste collection.

Measurable Goals, including frequencies

Track the amount of collection material and determine additional ways to inform the public on hazardous waste collection opportunities.

Milestones

Year 1: Track the increase in public involvements and determine what notification methods provide the best involvement.

Year 2: Track the increase in public involvements and determine what notification methods provide the best involvement.

Year 3: Track the increase in public involvements and determine what notification methods provide the best involvement.

Year 4: Track the increase in public involvements and determine what notification methods provide the best involvement.

Year 5: Track the increase in public involvements and determine what notification methods provide the best involvement.

Additional Info

BMP Number: _____

A.5 Classroom Education Material

Brief Description of BMP

Educational materials from local and state agencies are provided to residents and made available at the Village Hall.

Measurable Goals, including frequencies

Track public involvement in educational material topics and determine what materials generate the best public response and involvement.

Milestones

Year 1: Tabulate involvement for base-line level of involvement.

Year 2: Track increase (or decrease) and determine what generated the change in involvement.

Year 3: Track increase (or decrease) and determine what generated the change in involvement.

Year 4: Track increase (or decrease) and determine what generated the change in involvement.

Year 5: Track increase (or decrease) and determine what generated the change in involvement.

Additional Info

BMP Number: _____

A.6 Other Public Education

Brief Description of BMP

Add a monthly water quality component to the monthly engineer's memo to the Village Board.

Measurable Goals, including frequencies

Gage the Village Board response to varied water quality topics and adjust monthly to delve further into topics and generate their interest toward Village action for water quality improvements.

Milestones

Year 1: Document the benefits of implemented water quality enhancements to increase yearly work related ti water quality.

Year 2: Document the benefits of implemented water quality enhancements to increase yearly work related ti water quality.

Year 3: Document the benefits of implemented water quality enhancements to increase yearly work related ti water quality.

Year 4: Document the benefits of implemented water quality enhancements to increase yearly work related ti water quality.

Year 5: Document the benefits of implemented water quality enhancements to increase yearly work related ti water quality.

Additional Info

BMP Number: _____

[Empty box for additional information]

B. Public Participation/Involvement

Approximate date first implemented: May 2010 Frequency of each BMP program: Monthly

Qualifying Local Programs

Monthly meeting discussion or documentation related to water quality

Measurable Goals (include shared responsibilities)

B.2 Educational Volunteer

B.3 Stakeholder Meeting

B.4 Public Hearing

Brief Description of BMP

Published water quality information in monthly Village Engineer's public works memo.

Measurable Goals, including frequencies

Document the response to varied water quality topics and adjust monthly material based upon increased response.

Milestones

Year 1: Gain interest by Village Board and residents to implement greater allocation of resources toward water quality

Year 2: Gain interest by Village Board and residents to implement greater allocation of resources toward water quality.

Year 3: Gain interest by Village Board and residents to implement greater allocation of resources toward water quality.

Year 4: Gain interest by Village Board and residents to implement greater allocation of resources toward water quality.

Year 5: Gain interest by Village Board and residents to implement greater allocation of resources toward water quality.

Additional Info

BMP Number: _____

[Empty box for additional information]

B.5 Volunteer Monitoring

B.6. Program Involvement

B.7 Other Public Involvement

C. Illicit Discharge Detection and Elimination

Approximate date first implemented: May 2010

Frequency of each BMP program: Yearly

Qualifying Local Programs

Municipal Code contains restrictions on illicit discharges.

Measurable Goals (include shared responsibilities)

C.1 Sewer Map Preparation

Brief Description of BMP

Improving Village sewer mapping.

Measurable Goals, including frequencies

Provide yearly updating and enhancements of information on sewer maps.

Milestones

Year 1: 20% of Village maps improved with additional data and information related to infrastructure.

Year 2: 20% of Village maps improved with additional data and information related to infrastructure.

Year 3: 20% of Village maps improved with additional data and information related to infrastructure.

Year 4: 20% of Village maps improved with additional data and information related to infrastructure.

Year 5: 20% of Village maps improved with additional data and information related to infrastructure.

Additional Info

BMP Number: _____

C.2 Regulatory Control Program

Brief Description of BMP

Municipal Code allows for the inspection and oversight on illicit discharges.

Measurable Goals, including frequencies

Yearly inspection of water ways and streams

Milestones

Year 1: Inspect 20% of water ways and streams. Identify illicit discharges (with causes and origins) and ensure the correction(s).

Year 2: Inspect 20% of water ways and streams. Identify illicit discharges (with causes and origins) and ensure the correction(s).

Year 3: Inspect 20% of water ways and streams. Identify illicit discharges (with causes and origins) and ensure the correction(s).

Year 4: Inspect 20% of water ways and streams. Identify illicit discharges (with causes and origins) and ensure the correction(s).

Year 5:

Additional Info

BMP Number: _____

- C.3 Detection/Elimination Prioritization Plan
- C.4 Illicit Discharge Tracing Procedures
- C.5 Illicit Source Removal Procedures
- C.6 Program Evaluation and Assessment
- C.7 Visual Dry Weather Screening

Brief Description of BMP

Enforcement of Village Codes standards as they relate to septic systems

Measurable Goals, including frequencies

Implement a 5-year plan to visually inspect all septic systems

Milestones

Year 1:

Year 2:

Year 3:

Year 4:

Year 5:

Additional Info

BMP Number: _____

- C.8 Pollutant Field Testing
- C.9 Public Notification
- C.10 Other Illicit Discharge Controls

D. Construction Site Runoff Control

Approximate date first implemented: May 2010 Frequency of each BMP program: Monthly

Qualifying Local Programs

Municipal Code regulates side construction activity along with the site runoff.

Measurable Goals (include shared responsibilities)

D.1 Regulatory Control Program

Brief Description of BMP

Plan requirements and site inspection

Measurable Goals, including frequencies

Construction site plans submitted for permit must meet Village standards for site runoff control and site inspections can ensure that such measures and implemented and maintained.

Milestones

Year 1: Zero tolerance on site runoff contamination through a steadfast approach to plan review, inspections, and enforcement.

Year 2: Zero tolerance on site runoff contamination through a steadfast approach to plan review, inspections, and enforcement.

Year 3: Zero tolerance on site runoff contamination through a steadfast approach to plan review, inspections, and enforcement.

Year 4: Zero tolerance on site runoff contamination through a steadfast approach to plan review, inspections, and enforcement.

Year 5: Zero tolerance on site runoff contamination through a steadfast approach to plan review, inspections, and enforcement.

Additional Info

BMP Number: _____

[Empty box for additional information]

D.2 Erosion and Sediment Control BMPs

Brief Description of BMP

A multitude if BMP measures are available to designers and builders based upon specific site conditions with the goal to ensure the protection of adjoining parcels and receiving waters.

Measurable Goals, including frequencies

Enforcement of Municipal Code is imperative to ensure that BMP's are designed, implemented, and maintained. Frequency with vary depending on the methods, application, and project duration.

Milestones

Year 1: Zero tolerance on erosion and sediment transport for construction sites.

Year 2: Zero tolerance on erosion and sediment transport for construction sites.

Year 3: Zero tolerance on erosion and sediment transport for construction sites.

Year 4: Zero tolerance on erosion and sediment transport for construction sites.

Year 5: Zero tolerance on erosion and sediment transport for construction sites.

Additional Info

BMP Number: _____

D.3 Other Waste Control Program

D.4 Site Plan Review Procedures

Brief Description of BMP

Municipal Code provides for strict adherence to site development standard.

Measurable Goals, including frequencies

All site plans are to be reviewed for BMP design and applicability to the site construction project, Plan denials are to be used to force designers to incorporate proper BMP's into their permit plan set.

Milestones

Year 1:

Zero tolerance on designs lacking proper BMP's on permit plans. Plans to be denied and resubmitted accordingly.

Year 2:

Zero tolerance on designs lacking proper BMP's on permit plans. Plans to be denied and resubmitted accordingly.

Year 3:

Zero tolerance on designs lacking proper BMP's on permit plans. Plans to be denied and resubmitted accordingly.

Year 4:

Zero tolerance on designs lacking proper BMP's on permit plans. Plans to be denied and resubmitted accordingly.

Year 5:

Zero tolerance on designs lacking proper BMP's on permit plans. Plans to be denied and resubmitted accordingly.

Additional Info

BMP Number: _____

D.5 Public Information Handling Procedures

D.6 Site Inspection/Enforcement Procedures

Brief Description of BMP

Site inspections are a routine part of the permit process and are an opportunity to ensure protection of receiving channels.

Measurable Goals, including frequencies

Inspections need to hold zero tolerance attitude to ensure the protection of the public. Frequencies vary per project.

Milestones

Year 1:

Zero tolerance on site BMP failures. Stop work orders placed on sited which are not in compliance with runoff requirements.

Year 2:

Zero tolerance on site BMP failures. Stop work orders placed on sited which are not in compliance with runoff requirements.

Year 3:

Zero tolerance on site BMP failures. Stop work orders placed on sited which are not in compliance with runoff requirements.

Year 4: Zero tolerance on site BMP failures. Stop work orders placed on sited which are not in compliance with runoff requirements.

Year 5: Zero tolerance on site BMP failures. Stop work orders placed on sited which are not in compliance with runoff requirements.

Additional Info

BMP Number: _____

D.7 Other Construction Site Runoff Controls

E. Post-Construction Runoff Control

Approximate date first implemented: May 2010 Frequency of each BMP program: Monthly

Qualifying Local Programs

Municipal code provides for strict enforcement of runoff control measures on established sites.

Measurable Goals (include shared responsibilities)

E.1 Community Control Strategy

E.2 Regulatory Control Program

Brief Description of BMP

Municipal Code is utilized to enforce runoff controls. This begins with notification and progresses with owner meeting, inspections and follow-up until the property is proven to be in compliance with the applicable standards.

Measurable Goals, including frequencies

Zero tolerance is allowed on post construction sites for the protection of adjoining parcels. With an inspection rate of 20% of water ways per year, any existing sites which discharge containments are identifies and their compliance process begins.

Milestones

Year 1: Zero tolerance on post construction site compliance and enforcement actions will continue until compliance is attained.

Year 2: Zero tolerance on post construction site compliance and enforcement actions will continue until compliance is attained.

Year 3: Zero tolerance on post construction site compliance and enforcement actions will continue until compliance is attained.

Year 4: Zero tolerance on post construction site compliance and enforcement actions will continue until compliance is attained.

Year 5: Zero tolerance on post construction site compliance and enforcement actions will continue until compliance is attained.

Additional Info

BMP Number: _____

E.3 Long Term O & M Procedures

E.4 Pre-Construction Review of BMP Designs

Brief Description of BMP

Plans submitted for permit must have adequate BMPs incorporated into the plan. These BMPs will vary based on site issues.

Measurable Goals, including frequencies

Zero tolerance on site design which lack BMPs or utilize poor choices in BMPs based on site concerns.

Milestones

Year 1: All plans must design BMPs into their plans and the choices of BMPs must be appropriate for the site conditions.

Year 2: All plans must design BMPs into their plans and the choices of BMPs must be appropriate for the site conditions.

Year 3: All plans must design BMPs into their plans and the choices of BMPs must be appropriate for the site conditions.

Year 4: All plans must design BMPs into their plans and the choices of BMPs must be appropriate for the site conditions.

Year 5: All plans must design BMPs into their plans and the choices of BMPs must be appropriate for the site conditions.

Additional Info

BMP Number: _____

E.5 Site Inspections During Construction

Brief Description of BMP

Site construction BMPs are chosen during the design process and are inspected to ensure that they are properly installed and that they are maintained.

Measurable Goals, including frequencies

A site which is found to be out of compliance during an inspection is given a stop work order until such violations are corrected.

Milestones

Year 1: Zero tolerance. Stop work order until the site is in compliance.

Year 2: Zero tolerance. Stop work order until the site is in compliance.

Year 3: Zero tolerance. Stop work order until the site is in compliance.

Year 4: Zero tolerance. Stop work order until the site is in compliance.

Year 5: Zero tolerance. Stop work order until the site is in compliance.

Additional Info

BMP Number: _____

E.6 Post-Construction Inspections

Brief Description of BMP

Post construction inspections are either performed as a part of our yearly inspection of channels or septic systems or also are found as a result of complaints received from the public or a neighbor.

Measurable Goals, including frequencies

Goal is to bring any identified violation into compliance with Municipal Code and standards. Frequency will vary based upon routine yearly inspections and complain receipt.

Milestones

Year 1: Zero tolerance will be held as all sites will be required to be brought into full compliance to avoid Village enforcement actions.

Year 2: Zero tolerance will be held as all sites will be required to be brought into full compliance to avoid Village enforcement actions.

Year 3: Zero tolerance will be held as all sites will be required to be brought into full compliance to avoid Village enforcement actions.

Year 4: Zero tolerance will be held as all sites will be required to be brought into full compliance to avoid Village enforcement actions.

Year 5: Zero tolerance will be held as all sites will be required to be brought into full compliance to avoid Village enforcement actions.

Additional Info

BMP Number: _____

E.7 Other Post-Construction Runoff Controls

F. Pollution Prevention/Good Housekeeping

Approximate date first implemented: May 2010 Frequency of each BMP program: Weekly

Qualifying Local Programs

Municipal Code provides for the continued upkeep and maintenance obligations of land owners and such requirements are enforced under Village Code.

F.1 Employee Training Program

Brief Description of BMP

Village employees and contractors are educated on water quality and BMP enforcement.

Measurable Goals, including frequencies

All explicable yearly (and short duration) contracts include requirements related to the SWMP of the Village of Inverness. All employees are provided with regular material related to water quality and its enforcement requirements.

Milestones

Year 1: Increase Village staff's education and awareness of SWMP requirements and enforcement methods.

Year 2: Increase Village staff's education and awareness of SWMP requirements and enforcement methods.

Year 3: Increase Village staff's education and awareness of SWMP requirements and enforcement methods.

Year 4: Increase Village staff's education and awareness of SWMP requirements and enforcement methods.

Measurable Goals (include shared responsibilities)

Year 5: Increase Village staff's education and awareness of SWMP requirements and enforcement methods.

Additional Info

BMP Number: _____

[Empty text box for additional information]

F.2 Inspection and Maintenance Program

Brief Description of BMP

Yearly inspection of drainage ways.

Measurable Goals, including frequencies

Implement a 5-year plan to inspect all drainage ways for contaminants and purpose enforcement actions as necessary for violations.

Milestones

Year 1: 20% of all drainage ways to be inspected.

Year 2: 20% of all drainage ways to be inspected.

Year 3: 20% of all drainage ways to be inspected.

Year 4: 20% of all drainage ways to be inspected.

Year 5: 20% of all drainage ways to be inspected.

Additional Info

BMP Number: _____

[Empty text box for additional information]

F.3 Municipal Operations Storm Water Control

Brief Description of BMP

Outfall inspections are incorporated into Municipal Code.

Measurable Goals, including frequencies

5-year inspection program on all outfalls.

Milestones

Year 1: 20% of outfalls to be inspected and enforcement actions pursued for any violations.

Year 2: 20% of outfalls to be inspected and enforcement actions pursued for any violations.

Year 3: 20% of outfalls to be inspected and enforcement actions pursued for any violations.

Year 4: 20% of outfalls to be inspected and enforcement actions pursued for any violations.

Year 5: 20% of outfalls to be inspected and enforcement actions pursued for any violations.

Additional Info

BMP Number: _____

F.4 Municipal Operations Waste Disposal

F.5 Flood Management/Assess Guidelines

Brief Description of BMP

Village Code provides for the strict enforcement of flood management guidelines.

Measurable Goals, including frequencies

Monitoring of receiving channels to document their water levels and erosion processes can identify flooding management issues as they evolve so that remedial actions can be taken before adverse consequences result.

Milestones

Year 1:

20% of waterways and outfalls are inspected.

Year 2:

20% of waterways and outfalls are inspected.

Year 3:

20% of waterways and outfalls are inspected.

Year 4:

20% of waterways and outfalls are inspected.

Year 5:

20% of waterways and outfalls are inspected.

Additional Info

BMP Number: _____

F.6 Other Municipal Operations Controls

BMPs Currently Implemented and Proposed

BMP Number	Location

Approximate Pollutant Reduction Resulting from each BMP

BMP Number	Pollutant	Reduction

Instream Monitoring Program

Is there an instream monitoring program currently in place? Yes No

Is an instream monitoring program currently being proposed? Yes No

Sediment Monitoring

Is sediment monitoring currently taking place? Yes No

Sample Monitoring of Outfalls

Is sample monitoring of outfalls currently taking place? Yes No

Other Monitoring

Describe other types of monitoring implemented or proposed to evaluate the BMP effectiveness or water quality impact of stormwater.

Storm sewer upgrades are being planned to eliminate old butt-joint storm sewers that allow soil to enter the open pipe joints to replace the strn sewer with modern soil-tight joints.

Part III. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for knowingly submitting false information, including the possibility of fines and imprisonment.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony (415 ILCS 5/44 (h)).

Jason Doland P.E.

Authorized Representative Name

Village Engineer

Title

Authorized Representative Signature

Date

You may complete this form online and save a copy locally before printing and signing the form. It should then be sent to:

Illinois Environmental Protection Agency
Bureau of Water
Division of Water Pollution Control
Attn: Permit Section
P.O. Box 19276
1021 North Grand Avenue East
Springfield, IL 62794-9276

Information required by this form must be provided to comply with 415 ILCS 5/39 (2000). Failure to do so may prevent this form from being processed and could result in your application being denied.