

Village of Dolton

IEPA NPDES General Permit No. ILR40-0182

Storm Water Management Program (SWMP)

For discharges from Small Municipal Separate Storm Sewer Systems (MS4)

March 2018 to March 2021

March 1, 2018

A. General Information

1. Storm Water Management Program contact:

Name: Mr. Matt Stacey
Title: Public Works Superintendent
Mailing Address: Village of Dolton
14122 Chicago Road
Dolton, IL 60419
Public Works Dept.: 708-201-3283
Email Address:

2. State Authority Contact:

Name: Mr. Alan Keller, PE
Title: Manager, Permit Section
Mailing Address: Illinois Environmental Protection Agency
Division of Water Pollution Control
Permit Section
P. O. Box 19276
Springfield, IL 62794-9276
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B. Governmental entities in which MS4 is located:

Cook County

C. Names of known receiving waters:

1. Little Calumet River
2. Calumet River

D. Storm Water Management Program Requirements:

1. The [Village] must develop, implement, and enforce a storm water management program designed to reduce the discharge of pollutants from [its] small municipal separate storm sewer system (MS4) to the maximum extent practicable (MEP), to protect water quality, and to satisfy the appropriate water quality requirements of the Illinois Pollution Control Board Rules and Regulations (35 Ill. Adm. Code, Subtitle C, Chapter 1) and the Clean Water Act. The storm water management program must include the 6 Minimum Control Measures (MCMs). The U.S. Environmental Protection Agency's National Menu of Storm Water Best Management Practices (<http://cfpub.epa.gov/npdes/stormwater/menuofbmps/index.cfm>) and the most recent version of the Illinois Urban Manual should be consulted regarding the selection of appropriate BMPs.
2. You may partner with other MS4s to develop and implement your storm water management program.
3. For further details on the requirements for each of the 6 MCMs, please refer to the latest version of the General NPDES Permit No. ILR40.

E. Minimum Control Measures (MCMs):

1. Public Education and Outreach – (MCM 1)
2. Public Participation/Involvement – (MCM 2)
3. Illicit Discharge Detection and Elimination – (MCM 3)
4. Construction Site Runoff Control – (MCM 4)
5. Post-Construction Runoff Control – (MCM 5)
6. Pollution Prevention/Good Housekeeping – (MCM 6)

MCM 1

1. Public Education and Outreach

A1: Distributed Paper Material (Pamphlets)

1. Description of BMP:
Various pamphlets will be distributed to provide storm water and cleanup information on a variety of topics to the public. The pamphlets will be available at the Village Hall and/or may be posted on the Village website.
2. Target Audience: Village residents and business owners
3. Measurable Goals:
 - a. Quantity of pamphlets – at least two types annually
 - b. Frequency of distribution
 - c. Public awareness
4. Schedule:
 - a. Ongoing
 - b. Available throughout the year
 - c. Begun in previous cycles

A6: Other Public Education (Website)

1. Description of BMP:
The Village website will be used throughout the year to post a variety of stormwater, flooding, and public works information. Information regarding public services such as garbage collection, yard waste and leaf pickup, flooding prevention, electronic waste, reporting a concern, etc. will be posted.
2. Target Audience: Village residents and business owners
3. Measurable Goals:
 - a. Website hits and usage
 - b. Public awareness
4. Schedule:
 - a. Ongoing
 - b. To be used throughout the year
 - c. Begun in previous cycles

MCM 2

2. Public Education and Outreach

B4: Public Hearing/Meeting

1. Description of BMP:

The Village will hold an annual informational Public Hearing or Meeting that will be used to inform the public about such topics as the MS4 program, stormwater, flooding, pollution control, etc. The forum for the meeting will be before or during a typical Board/Council meeting. The meeting will be publicized in the local newspaper and minutes will be taken.

2. Target Audience: Village residents and Board/Council members

3. Measurable Goals:

- a. Number of participants/attendees
- b. Public awareness
- c. Meeting agendas and minutes

4. Schedule:

- a. Ongoing
- b. Hold public hearing meeting annually
- c. Begun in previous cycles

B7: Other Public Involvement (Clean Sweep)

1. Description of BMP:

As part of its “Go Green” emphasis, the Village will involve the public in environmental awareness via its “Clean Sweep” campaign on an annual basis which began in 2016 to increase awareness about keeping its parks and neighborhoods clean of debris buildup.

2. Target Audience: Village residents

3. Measurable Goals:

- a. Number of attendees
- b. Public awareness and involvement

4. Schedule:

- a. Ongoing
- b. Begun in previous cycles

MCM 3

3. Illicit Discharge Detection and Elimination

C1: Storm Sewer Map Preparation

1. Description of BMP:

The Village has a Storm Sewer Map that was issued as a draft document in the 2010-2011 reporting cycle. The map has not been finalized nor updated since this time. Although development and changes to the Village's system are minimal to none in a typical year, it is the goal of the Village to finalize and update the draft map. Budget limitations have prevented the updating of the sewer atlas. The Village plans to develop a final updated storm sewer atlas that shows the location of all outfalls, numbers the outfalls with unique identifiers, shows the location and names of all receiving waters that receive discharges from the outfalls, shows storm structures and numbers them with unique identifiers, and shows pipe sizes and lengths.

2. Measurable Goals:

- a. Finalize and update storm sewer atlas
- b. Review annually

3. Schedule:

- a. As budget allows, finalize and update the storm sewer atlas as soon as is practicable
- b. On a yearly basis, compile new updates to be added to the atlas
- c. Perform file update (as needed) at least once every 5 years.

C2: Regulatory Control Program (Ordinance)

1. Description of BMP:

The Village adopted and continues to enforce the MWRD Sewer Use ordinance that includes portions that address issues related to illicit Discharge. The Village will continue to enforce this ordinance and any other development ordinances that include soil erosion and sediment control through its plan review process. The Village ordinances will be posted on the Village website. The Village will periodically review the regulatory program and ordinance adequacy and make any updates or revisions as needed.

2. Measurable Goals:

- a. Ordinance effectiveness
- b. Current applicability

3. Schedule:
 - a. Ongoing enforcement of all Village ordinances
 - b. Review the regulatory program and ordinance adequacy in the third year of the permitting cycle
 - c. Perform file update (as needed) at least once every 5 years as needed

C7: Visual Dry Weather Screening

1. Description of BMP:

The dry weather screening program will consist of inspecting outfalls and logging the results on an appropriate inspection form. Photos of the outfalls will be taken. The target goal is that 20% of the Village outfalls are to be inspected annually. Any discovered illicit discharges will flag the particular outfall for follow-up tracing and elimination procedures; however, these BMPs are not yet established.

The general Village IDDE Plan is listed below:

1. Outfall inspections (20% of outfalls annually)
2. Locate any problem areas
3. Perform Tracing procedures to find the source of problem
4. Remove and Correct any illicit discharge/connection
5. Document actions taken

2. Measurable Goals:
 - a. Clean outfalls (% of outfalls)
 - b. Inspection of 20% of outfalls annually
3. Schedule:
 - a. Perform inspections in dry weather times throughout the year, but primarily in the months of May or June
 - b. Outfall inspections to be performed annually

C10: Other Illicit Discharge Controls (Visual Monitoring Inspections)

1. Description of BMP:

Visual Monitoring Inspections at upstream and downstream locations along receiving watercourses would be performed as part of this BMP.
2. Measurable Goals:
 - a. Illicit discharge detection
 - b. Identification of potential source location

3. Schedule:

- a. Would be ongoing
- b. Would be an annual BMP

4. Update:

This BMP was added in the 2016-2017 cycle.

MCM 4

4. Construction Site Runoff Control

D1: Regulatory Control Program (Soil Erosion and Sediment Control Ordinance)

1. Description of BMP:

A Village ordinance for Erosion and Sediment Control is pending to regulate soil erosion and sediment control in runoff from construction sites. However, the Village enforces Article 4 of the Watershed Management Ordinance (WMO) used by MWRD which is in effect and regulates erosion and sediment control. A SWPPP is required for all developments of one acre or more in size.
2. Measurable Goals:
 - a. Ordinance enforcement through the plan review process
 - b. Reduced soil erosion and sediment
3. Schedule:
 - a. Ongoing enforcement
 - b. Periodic review of ordinance effectiveness and applicability

D2: Erosion and Sediment Control BMPs

1. Description of BMP:

Erosion and Sediment Control BMPs are required under the current MWRD WMO (ordinance) and these requirements are enforced through the plan review process. Required site BMPs and plan SWPPP's will be reviewed for effectiveness. Consideration will be given for any changes in the requirements warranted due to new or emerging technologies.
2. Measurable Goals:
 - a. Ordinance enforcement
 - b. Reduced soil erosion and sediment
3. Schedule:
 - a. Ongoing enforcement
 - b. Periodic review of ordinance effectiveness and applicability

D4: Site Plan Review Procedures

1. Description of BMP:

Development plans will continue to be reviewed under local and MWRD ordinances by Village Staff and/or engineering consultants, especially regarding stormwater and erosion and sediment control measures. Projects over one acre will continue to be required to submit a Notice of Intent prior to construction. A SWPPP is required with plan sets.

2. Measurable Goals:

- a. Ordinance enforcement
- b. Reduced soil erosion and sediment

3. Schedule:

- a. Ongoing enforcement
- b. Periodic review of ordinance effectiveness and applicability

D6: Site Inspection/Enforcement Procedures

1. Description of BMP:

Weekly inspection reports will continue to be required from developers of active projects. Periodic or surprise audit inspections are conducted by the Village as needed. The inspections will typically be documented on appropriate forms. Developers will be informed of any noted deficiencies in their site's erosion and sediment control measures. Copies of the documentation will be filed.

A graduated step approach with escalation in enforcement measures will be used to achieve compliance, such as initial reporting of deficiencies, notification of possible enforcement measures such as stop work orders and ticketing by the Police Department, drawing on Letter of Credit monies to have the measures implemented, and potential legal proceedings.

2. Measurable Goals:

- a. Ordinance enforcement
- b. Reduced soil erosion and sediment

3. Schedule:

- a. Ongoing enforcement
- b. Periodic inspections will be conducted as deemed necessary depending on level of activity at a site and on weather conditions
- c. Inspections of sites for which the Village is responsible will be conducted weekly and after 0.5" or greater rain events

MCM 5

5. Post-Construction Runoff Control

E2: Regulatory Control Program (Soil Erosion and Sediment Control Ordinance)

1. Description of BMP:
A Village ordinance for Erosion and Sediment Control is pending to regulate soil erosion and sediment control in runoff from construction sites. However, the Village enforces Article 4 of the Watershed Management Ordinance (WMO) used by MWRD which is in effect and regulates erosion and sediment control. A SWPPP is required for all developments of one acre or more in size.
2. Measurable Goals:
 - a. Ordinance enforcement through the plan review process
 - b. Reduced soil erosion and sediment
3. Schedule:
 - a. Ongoing enforcement
 - b. Periodic review of ordinance effectiveness and applicability

E3: Long Term O&M Procedures

1. Description of BMP:
Long Term Operation and Maintenance Procedures related to erosion and sediment control are required under the current ordinance and these requirements are enforced during the plan review process prior to construction.
2. Measurable Goals:
 - a. Ordinance enforcement
 - b. Reduced soil erosion and sediment
3. Schedule:
 - a. Ongoing enforcement
 - b. Periodic review of ordinance effectiveness and applicability

E4: Pre-Construction Review of BMP Designs

4. Description of BMP:
Erosion and Sediment Control BMPs are required under the current ordinance and these requirements are enforced through the plan review process prior to construction. Required site BMPs will be reviewed for effectiveness. Consideration

will be given for any changes in the requirements warranted due to new or emerging technologies.

5. Measurable Goals:
 - a. Ordinance enforcement
 - b. Reduced soil erosion and sediment
6. Schedule:
 - a. Ongoing enforcement
 - b. Periodic review of ordinance effectiveness and applicability

E5: Site Inspections During Construction

1. Description of BMP:

Weekly inspection reports will continue to be required from developers of active projects. Periodic or surprise audit inspections will be conducted by the Village as needed during the construction process. The inspections will typically be documented on appropriate forms. Developers will be informed of any noted deficiencies in their site's erosion and sediment control measures. Copies of the documentation will be filed.

A graduated step approach with escalation in enforcement measures will be used to achieve compliance, such as initial reporting of deficiencies, notification of possible enforcement measures such as stop work orders and ticketing by the Police Department, drawing on Letter of Credit monies to have the measures implemented, and potential legal proceedings.

2. Measurable Goals:
 - a. Ordinance enforcement
 - b. Reduced soil erosion and sediment
3. Schedule:
 - a. Ongoing enforcement
 - b. Periodic inspections will be conducted as deemed necessary depending on level of activity at a site and on weather conditions
 - c. Inspections of sites for which the Village is responsible will be conducted weekly and after 0.5" or greater rain events

E6: Post-Construction Inspections

1. Description of BMP:

Post-construction BMPs and facilities including storm sewer systems, grading, and stormwater detention facilities will be inspected after the sites are completed and

the request for the acceptance of the development is received. Final inspections will be part of any newly constructed development.

Furthermore, the goal is to inspect the existing public and accessible private stormwater management systems throughout the year. Storm sewers and structures will be cleaned, vacuumed, or jetted as needed.

2. Measurable Goals:

- a. Ordinance enforcement
- b. Reduced soil erosion and sediment

3. Schedule:

- a. Ongoing enforcement
- b. Developments will receive final acceptance and release of the development security only after punch lists and any deficiencies are corrected. The developments will also be inspected before the expiration of the maintenance bond that is put in place after acceptance.
- c. Inspect existing systems throughout the year

MCM 6

6. Pollution Prevention and Good Housekeeping

F1: Employee Training Program

1. Description of BMP:

Appropriate employees will be provided training for pollution prevention measures, such as training in the use of salt spreading, distribution rates, proper snow-plowing, construction site BMP's, procedures for disposal of oil, salt storage, fuel dispensing, and handling of solvents.

Appropriate employees will be provided refresher training or information to reinforce the established pollution measures in place. This may involve the use of various videos applicable to the subject matter.

2. Measurable Goals:

- a. Conduct at least one training session per year
- b. Informed staff

3. Schedule:

Summer or fall at least once on an annual basis

F2: Inspection and Maintenance Program

1. Description of BMP:

Routine inspection and maintenance of Village streets, storm sewers, storm inlets and catch basins, ditches, swales, and stormwater detention facilities are part of the typical Public Works responsibilities. This includes street sweeping, storm structure vacuuming, jetting, or repair, and debris, branch and leaf collection. Systems and facilities are primarily under continuous surveillance rather than on a rigidly established schedule; however, some scheduling is involved.

2. Measurable Goals:

- a. Keep Village systems in top operating condition
- b. Reduced pollutants or contaminants

3. Schedule:

- a. Ongoing and as needed
- b. Street-sweeping – this will be performed on an annual basis via contracted service arrangements
- c. Inlets/Catch Basins – will be inspected and maintained as needed throughout the year – needed repairs may be performed in-house or by contractor –

cleaning, when performed, is generally performed during the months of May through August

- d. Storm sewers – will be inspected and cleaned or jetted on an as needed basis throughout the year – significant maintenance issues may not be able to be repaired immediately and may require special budgeting and scheduling depending on severity and impacts to drainage
- e. Detention ponds/basins – Village-owned detention basins will be inspected periodically and maintained as needed – debris will be cleared from outlets as necessary to promote proper drainage. Other detention basins will be similarly inspected and maintained if proper easements allow for Village access.
- f. Culverts – if under Village control, will be inspected and debris removed as needed
- g. Ditch, swale or creek cleaning – will be inspected and cleaned as needed as staffing allows

F3: Municipal Operations Storm Water Control

1. Description of BMP:

The BMPs for municipal operations for stormwater control will be reviewed for effectiveness and audited for compliance with the program. Revisions will be made as necessary. Typical municipal operations will continue to adhere to established and known stormwater control measures.

2. Measurable Goals:

- a. Program effectiveness
- b. Program compliance
- c. Reduced pollutants or contaminants

3. Schedule:

- a. Ongoing
- b. Yearly review to take place in February or March

F4: Municipal Operations Waste Disposal

1. Description of BMP:

The BMPs for municipal operations for waste control will be reviewed for effectiveness and audited for compliance with the program. Revisions will be made as necessary. Typical municipal operations will continue to adhere to established and known waste disposal measures. Waste disposal is typically logged and may be handled directly by Village staff or through a contracted disposal service. Fluids such as oil and coolant from vehicle maintenance are collected and disposed of according

to typical methods as mentioned above. Double or triple basins are routinely cleaned according to typical procedures. Spilled fuel is mopped up with an absorbent product or similar material and disposed of properly.

2. Measurable Goals:
 - a. Program effectiveness
 - b. Program compliance
 - c. Reduced pollutants or contaminants

3. Schedule:
 - a. Ongoing
 - b. Yearly review to take place in February or March

F5: Flood Management/Assessment Guidelines

1. Description of BMP:

The Village Ordinance includes floodplain and flood hazard regulations, which enforces such regulations for any development in or near to floodplains. The WMO is also applicable and enforced with new developments. Development plans will be reviewed for compliance with applicable ordinances and policies with regard to flood management and for compliance with IDNR-OWR and FEMA regulations. Where applicable, developers will be required to submit for and obtain a Letter of Map Revision (LOMR) from FEMA.

2. Measurable Goals:

Reduced flooding and flood reduction

3. Schedule:
 - a. Ongoing
 - b. Development reviews as needed by Village staff and Village engineering consultant, Robinson Engineering.

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F. Revisions:

1. 3/17/15 – Plan for 2013–18
2. 3/1/18 – Update
- 3.
- 4.
- 5.