

City of Andover

STORM WATER POLLUTION
PREVENTION PROGRAM
(SWPPP)

Revised: February 2016

City of Andover
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**City of Andover SWPPP
Minimum Control Measure (MCM) Summary**

The following is a summary of the BMP's chosen by the City of Andover. Each BMP is categorized into one or more Minimum Control Measures to meet the Maximum Extent Practicable standard set forth in the permit requirements. Where a BMP addresses more than one MCM, it is listed under every appropriate MCM.

Public Education and Outreach

1b-1, 1c-1 through 1c-6	Storm Water Education Program/Implement an Education Program, Education Program: Public Education and Outreach, Public Participation, Illicit Discharge Detection and Elimination, Construction Site Runoff Control, Post-Construction Storm Water Management in New Development and Redevelopment, Pollution Prevention/Good Housekeeping for Municipal Operations
1a-1	Storm Water Update Newsletter Articles/Distribute Educational Materials
1a-2	Local Cable Channel Announcements
1a-3	Storm Water Information Website
1a-4	Presentation to School Classrooms
1a-5	Natural Resources-Related Inspections
1a-6	Pre-construction Meetings for New Developments
1a-7	Presentation to City Council
1a-8	Presentation to City Staff
1d-1	Coordination of Education Program
2a-1, 2b-1, 2c-1	Comply With Public Notice Requirements/Solicit Public Input and Opinion on the Adequacy of the SWPPP/Consider Public Input
2.B, 1e-1	Annual Public Meeting
2.C, 3d-1, 3e-1	Non-compliance Complaints and Reports/Public and Employee Illicit Discharge Elimination Program/Identification of Non-Storm Water Discharges and Flows
2.D-1	Adopt-A-Street
2.D-2	Adopt-A-Park
2.E	Adopt-A-Pond
2.G	Watershed Organization
2.H	Andover Pollinator Awareness Project
3b-1, 3c-1	Illicit Discharge, Detection and Enforcement Ordinance/Regulatory Control Program/Illicit Discharge, Detection and Elimination Plan
4a-1, 4b-1	Construction Site Erosion and Waste Control Ordinance or Other Regulatory Mechanism/Construction Site Implementation of Erosion and Sediment Control BMP's
6.A.1	Park and Open Space Fertilizer/Chemical Application Licensing Program
6a-1	Municipal Operations and Maintenance Program
6.A.3	Storm Water System Maintenance Training Program

Public Participation and Involvement

1b-1, 1c-1 through 1c-6	Storm Water Education Program/Implement an Education Program, Education Program: Public Education and Outreach, Public Participation, Illicit Discharge Detection and Elimination, Construction Site Runoff Control, Post-Construction Storm Water Management in New Development and Redevelopment, Pollution Prevention/Good Housekeeping for Municipal Operations
1a-1	Storm Water Update Newsletter Articles/Distribute Educational Materials
1a-2	Local Cable Channel Announcements
1a-3	Storm Water Information Website
1a-4	Presentation to School Classrooms
1a-5	Natural Resources-Related Inspections
1a-6	Pre-construction Meetings for New Developments
1a-7	Presentation to City Council
1a-8	Presentation to City Staff
1d-1	Coordination of Education Program
2a-1, 2b-1, 2c-1	Comply With Public Notice Requirements/Solicit Public Input and Opinion on the Adequacy of the SWPPP/Consider Public Input
2.B, 1e-1	Annual Public Meeting
2.C, 3d-1, 3e-1	Non-compliance Complaints and Reports/Public and Employee Illicit Discharge Elimination Program/Identification of Non-Storm Water Discharges and Flows
2.D-1	Adopt-A-Street
2.D-2	Adopt-A-Park
2.E	Adopt-A-Pond
2.G	Watershed Organization
2.H	Andover Pollinator Awareness Project
6.A.1	Park and Open Space Fertilizer/Chemical Application Licensing Program

Illicit Discharge Detection and Elimination

1b-1, 1c-1 through 1c-6	Storm Water Education Program/Implement an Education Program, Education Program: Public Education and Outreach, Public Participation, Illicit Discharge Detection and Elimination, Construction Site Runoff Control, Post-Construction Storm Water Management in New Development and Redevelopment, Pollution Prevention/Good Housekeeping for Municipal Operations
1a-1	Storm Water Update Newsletter Articles/Distribute Educational Materials
1a-2	Local Cable Channel Announcements
1a-3	Storm Water Information Website
1a-4	Presentation to School Classrooms
1a-5	Natural Resources-Related Inspections
1a-6	Pre-construction Meetings for New Developments
1a-7	Presentation to City Council
1a-8	Presentation to City Staff
1d-1	Coordination of Education Program
2.C, 3d-1, 3e-1	Non-compliance Complaints and Reports/Public and Employee Illicit Discharge Elimination Program/Identification of Non-Storm Water Discharges and Flows
2.D-1	Adopt-A-Street
2.D-2	Adopt-A-Park
2.E	Adopt-A-Pond
2.G	Watershed Organization
3a-1	Storm Water System Map
3b-1, 3c-1	Illicit Discharge, Detection and Enforcement Ordinance/Regulatory Control Program/Illicit Discharge, Detection and Elimination Plan
3.C.1	Post Construction Septic System Maintenance
3.C.2	Conducting Camera Tests
3.C.3	Sanitary Sewer Maintenance
4c-1	Waste Controls for Construction Site Operators
4.C.3	Building Inspections
4e-1, 4f-1	Establishment of Procedures for the Receipt and Consideration of Reports of Storm Water Noncompliance/Establishment of Procedures for Site Inspections and Enforcement
6.A.1	Park and Open Space Fertilizer/Chemical Application Licensing Program
6a-1	Municipal Operations and Maintenance Program
6.A.3	Storm Water System Maintenance Training Program
6.A.4	Automobile Maintenance Program
6a-2	Parking Lot and Street Cleaning
6.B.2	Storm Drain System Cleaning
6.B.3	Road Salt Materials Management Program
6b-2 through 6b-7	Inspection of All Structural Pollution Control Devices/Inspection of a Minimum of 20% of Outfalls, Sediment Basins and Ponds Each Year on a Rotating Basis/Annual Inspection of All Exposed Stockpile, Storage and Material Handling Areas/Inspection Follow-Up/Record Recording and Retention of All Inspections and Responses to the Inspections/Evaluation of Inspections Frequency
6.C.1	Wellhead Protection Plan
6.C.2	Nondegradation for Selected MS4s
6.C.3	Impaired Waters Review Process (Total Maximum Daily Load (TMDL))

Construction Site Storm Water Runoff Control

1b-1, 1c-1 through 1c-6	Storm Water Education Program/Implement an Education Program, Education Program: Public Education and Outreach, Public Participation, Illicit Discharge Detection and Elimination, Construction Site Runoff Control, Post-Construction Storm Water Management in New Development and Redevelopment, Pollution Prevention/Good Housekeeping for Municipal Operations
1a-1	Storm Water Update Newsletter Articles/Distribute Educational Materials
1a-2	Local Cable Channel Announcements
1a-3	Storm Water Information Website
1a-6	Pre-construction Meetings for New Developments
2.C, 3d-1, 3e-1	Non-compliance Complaints and Reports/Public and Employee Illicit Discharge Elimination Program/Identification of Non-Storm Water Discharges and Flows
2.G	Watershed Organization
4a-1, 4b-1	Construction Site Erosion and Waste Control Ordinance or Other Regulatory Mechanism/Construction Site Implementation of Erosion and Sediment Control BMP's
4.A.1	Floodplain Regulation
4.A.2	Shoreland Protection
4d-1	Procedure for Site Plan Review
4.C.1	Construction Site Entrance Criteria
4c-1	Waste Controls for Construction Site Operators
4.C.3	Building Inspections
4e-1, 4f-1	Establishment of Procedures for the Receipt and Consideration of Reports of Storm Water Noncompliance/Establishment of Procedures for Site Inspections and Enforcement
5.A	Development and Re-Development Plan Review Program
5.B	Storm Water Ponds
5a-1	Development and Implementation of Structural and/or Non-structural BMP's
5.E	Buffer Strip Ordinance
5.F	Stabilization Sodding or Seeding

Post-Construction Storm Water Management

1b-1, 1c-1 through 1c-6	Storm Water Education Program/Implement an Education Program, Education Program: Public Education and Outreach, Public Participation, Illicit Discharge Detection and Elimination, Construction Site Runoff Control, Post-Construction Storm Water Management in New Development and Redevelopment, Pollution Prevention/Good Housekeeping for Municipal Operations
1a-1	Storm Water Update Newsletter Articles/Distribute Educational Materials
1a-2	Local Cable Channel Announcements
1a-3	Storm Water Information Website
1a-4	Presentation to School Classrooms
1a-5	Natural Resources-Related Inspections
1a-6	Pre-construction Meetings for New Developments
1d-1	Coordination of Education Program
2.C, 3d-1, 3e-1	Non-compliance Complaints and Reports/Public and Employee Illicit Discharge Elimination Program/Identification of Non-Storm Water Discharges and Flows
3b-1, 3c-1	Illicit Discharge, Detection and Enforcement Ordinance/Regulatory Control Program/Illicit Discharge, Detection and Elimination Plan
4a-1, 4b-1	Construction Site Erosion and Waste Control Ordinance or Other Regulatory Mechanism/Construction Site Implementation of Erosion and Sediment Control BMP's
4.A.1	Floodplain Regulation
4.A.2	Shoreland Protection
5.A	Development and Re-Development Plan Review Program
5.B	Storm Water Ponds
5a-1	Development and Implementation of Structural and/or Non-structural BMP's
5.D	Surface Water Management Plan
5.E	Buffer Strip Ordinance
5.F	Stabilization Sodding or Seeding
5b-1, 5c-1	Regulatory Mechanism to Address Post Construction Runoff from New Development and Redevelopment/Long-term Operation and Maintenance of BMP's

Municipal Pollution Prevention/Good Housekeeping

1b-1, 1c-1 through 1c-6	Storm Water Education Program/Implement an Education Program, Education Program: Public Education and Outreach, Public Participation, Illicit Discharge Detection and Elimination, Construction Site Runoff Control, Post-Construction Storm Water Management in New Development and Redevelopment, Pollution Prevention/Good Housekeeping for Municipal Operations
1a-1	Storm Water Update Newsletter Articles/Distribute Educational Materials
1a-2	Local Cable Channel Announcements
1a-3	Storm Water Information Website
1d-1	Coordination of Education Program
2.C, 3d-1, 3e-1	Non-compliance Complaints and Reports/Public and Employee Illicit Discharge Elimination Program/Identification of Non-Storm Water Discharges and Flows
2.G	Watershed Organization
3a-1	Storm Water System Map
3.C.2	Conducting Camera Tests
3.C.3	Sanitary Sewer Maintenance
6.A.1	Park and Open Space Fertilizer/Chemical Application Licensing Program
6a-1	Municipal Operations and Maintenance Program
6.A.3	Storm Water System Maintenance Training Program
6.A.4	Automobile Maintenance Program
6a-2	Parking Lot and Street Cleaning
6.B.2	Storm Drain System Cleaning
6.B.3	Road Salt Materials Management Program
6b-2 through 6b-7	Inspection of All Structural Pollution Control Devices/Inspection of a Minimum of 20% of Outfalls, Sediment Basins and Ponds Each Year on a Rotating Basis/Annual Inspection of All Exposed Stockpile, Storage and Material Handling Areas/Inspection Follow-Up/Record Recording and Retention of All Inspections and Responses to the Inspections/Evaluation of Inspections Frequency
6.C.1	Wellhead Protection Plan
6.C.2	Nondegradation for Selected MS4s
6.C.3	Impaired Waters Review Process (Total Maximum Daily Load (TMDL))

BMP Description Sheet

MS4 Name: City of Andover

Unique Identifying Number: 1b-1, 1c-1 through 1c-6

Minimum Control Measures Addressed by This BMP

X	Public education & outreach	X	Construction site runoff controls
X	Public participation & involvement	X	Post-construction stormwater management
X	Illicit discharge detection & elimination	X	Pollution prevention/Good housekeeping

BMP Title:

Storm Water Education Program/Implement an Education Program: Public Education and Outreach, Public Participation, Illicit Discharge Detection and Elimination, Construction Site Runoff Control, Post-Construction Storm Water Management in New Development and Redevelopment, Pollution Prevention/Good Housekeeping for Municipal Operations

BMP Description:

The City of Andover has and will continue to facilitate an education program that is aimed at educating residents, businesses, contractors and City staff and officials about various storm water quality topics including hazards associated with illegal discharges, improper disposal of waste and volume management through a combination of but not limited to newsletter articles, announcements, presentations, meetings and during property evaluations. These are covered in more detail in other bmp's. The goal is to improve all audiences' behavior to protect the quality and integrity of our water bodies.

Measurable Goals:

- Number of people reached
- Number of people attending meetings and presentations
- Number of inspections done
- Increased awareness, appreciation and behavior toward our natural resources

Timeline / Implementation Schedule:

- On-going
- More information in other bmp's

Specific Components & Notes (optional):

- Newsletter articles
- Presentation to City staff and council
- Local cable channel announcements
- Pre-construction meetings
- Natural resources-related inspections
- Automobile maintenance and training program
- Volume management through landscape practices that encourage infiltration

Responsible Person for this BMP

Name: Kameron Kytonen
 Title: Natural Resources Technician
 Phone: 763-755-5100
 E-mail: k.kytonen@andovermn.gov

Responsible Department or Organization

Dept. or Org.: Engineering
 Dept. Head: David Berkowitz
 Phone: 763-755-5100
 E-mail: d.berkowitz@andovermn.gov

Educational components related to this BMP (description or number – optional):

- The audience or audiences involved: See "Description"
- Education goals for each audience in terms of increased awareness, increased understanding, acquired skills, and/or desired changes in behavior: See "Description"
- Activities used to reach educational goals for each audience: See "Specific Components"
- Activity implementation plans, including responsible department in charge, entities responsible for given activities, and schedules: See "Responsible Person", "Responsible Department" and "Timeline"
- Available performance measures that can be used to determine success in reaching education goals: See "Measurable Goals"

BMP Description Sheet

MS4 Name: City of Andover

Unique Identifying Number: 1a-1

Minimum Control Measures Addressed by This BMP

<input checked="" type="checkbox"/> Public education & outreach	<input checked="" type="checkbox"/> Construction site runoff controls
<input checked="" type="checkbox"/> Public participation & involvement	<input checked="" type="checkbox"/> Post-construction stormwater management
<input checked="" type="checkbox"/> Illicit discharge detection & elimination	<input checked="" type="checkbox"/> Pollution prevention/Good housekeeping

BMP Title:

Storm Water Update Newsletter Articles/Distribute Educational Materials

BMP Description:

The City of Andover has and will continue to include articles in the City newsletter to update residents and businesses on a quarterly basis. It will explain storm water related issues including, but not limited to, those listed within the specific components below.

Measurable Goals:

- Number of newsletter articles
- Number of households reached

Timeline / Implementation Schedule:

- On-going

Specific Components & Notes (optional):

- Environmentally friendly lawn care practices
- Native plantings
- Sweeping up grass clippings, leaves, etc.
- Public meetings and presentations
- Public awareness and changes to the SWPPP

Responsible Person for this BMP	Responsible Department or Organization
Name: Kameron Kytonen	Dept. or Org.: Engineering
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Phone: 763-755-5100	Phone: 763-755-5100
E-mail: k.kytonen@andovermn.gov	E-mail: d.berkowitz@andovermn.gov

Educational components related to this BMP (description or number – optional):

- The audience or audiences involved: See “Description”
- Education goals for each audience in terms of increased awareness, increased understanding, acquired skills, and/or desired changes in behavior: See “Description”
- Activities used to reach educational goals for each audience: See “Specific Components”
- Activity implementation plans, including responsible department in charge, entities responsible for given activities, and schedules: See “Responsible Person”, “Responsible Department” and “Timeline”
- Available performance measures that can be used to determine success in reaching education goals: See “Measurable Goals”

BMP Description Sheet

MS4 Name: City of Andover

Unique Identifying Number: 1a-2

Minimum Control Measures Addressed by This BMP

<input checked="" type="checkbox"/> Public education & outreach	<input checked="" type="checkbox"/> Construction site runoff controls
<input checked="" type="checkbox"/> Public participation & involvement	<input checked="" type="checkbox"/> Post-construction stormwater management
<input checked="" type="checkbox"/> Illicit discharge detection & elimination	<input checked="" type="checkbox"/> Pollution prevention/Good housekeeping

BMP Title:

Local Cable Channel Announcements

BMP Description:

The City of Andover has and will continue to work with the local cable channel (QCTV) to produce and air announcements on various stormwater related topics including but not limited to the topics outlined below to educate and inform all viewers of the importance of storm water quality improvement.

Measurable Goals:

- Number of announcements produced annually
- Number of times aired on cable channel
- Number of households reached
- Feedback from viewers
- Increased appreciation, awareness and behavior towards our natural resources

Timeline / Implementation Schedule:

- On-going
- At least 1 per year

Specific Components & Notes (optional):

- Program history
- Challenges cities are facing
- Environmentally friendly lawn care practices
- Proper disposal of hazardous substances (i.e. oil)
- Native plantings
- Projects cities are undergoing to improve storm water quality (i.e. native prairie projects)

Responsible Person for this BMP

Responsible Department or Organization

Name: Kameron Kytonen

Dept. or Org.: Engineering

Title: Natural Resources Technician

Dept. Head: David Berkowitz

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Educational components related to this BMP (description or number – optional):

- The audience or audiences involved: See “Description”
- Education goals for each audience in terms of increased awareness, increased understanding, acquired skills, and/or desired changes in behavior: See “Description”
- Activities used to reach educational goals for each audience: See “Specific Components”
- Activity implementation plans, including responsible department in charge, entities responsible for given activities, and schedules: See “Responsible Person”, “Responsible Department” and “Timeline”
- Available performance measures that can be used to determine success in reaching education goals: See “Measurable Goals”

BMP Description Sheet

MS4 Name: City of Andover

Unique Identifying Number: 1a-3

Minimum Control Measures Addressed by This BMP

X	Public education & outreach	X	Construction site runoff controls
X	Public participation & involvement	X	Post-construction stormwater management
X	Illicit discharge detection & elimination	X	Pollution prevention/Good housekeeping

BMP Title:

Storm Water Information Website and Social Media

BMP Description:

The City of Andover has developed a Website within the current City Web location to discuss the specific components listed below. The Website provides citizens with an understanding of the NPDES regulations and how the City is meeting those requirements, along with information for residents on improving storm water quality. In addition, the City has a Facebook page, where noteworthy projects and messages will be shared as needed.

Measurable Goals:

- Website developed and posted for public access
- Feedback from website users

Timeline / Implementation Schedule:

- On-going
- At least 2 water-quality related Facebook posts annually

Specific Components & Notes (optional):

- Program history
- Storm water goals
- Challenges cities are facing
- Actions people can take to improve storm water quality

Responsible Person for this BMP

Responsible Department or Organization

Name: Kameron Kytonen

Dept. or Org.: Engineering

Title: Natural Resources Technician

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Educational components related to this BMP (description or number – optional):

- The audience or audiences involved: See “Description”
- Education goals for each audience in terms of increased awareness, increased understanding, acquired skills, and/or desired changes in behavior: See “Description”
- Activities used to reach educational goals for each audience: See “Specific Components”
- Activity implementation plans, including responsible department in charge, entities responsible for given activities, and schedules: See “Responsible Person”, Responsible Department” and “Timeline”
- Available performance measures that can be used to determine success in reaching education goals: See “Measurable Goals”

BMP Description Sheet

MS4 Name: City of Andover

Unique Identifying Number: 1a-4

Minimum Control Measures Addressed by This BMP

<input checked="" type="checkbox"/>	Public education & outreach	<input type="checkbox"/>	Construction site runoff controls
<input checked="" type="checkbox"/>	Public participation & involvement	<input checked="" type="checkbox"/>	Post-construction stormwater management
<input checked="" type="checkbox"/>	Illicit discharge detection & elimination	<input type="checkbox"/>	Pollution prevention/Good housekeeping

BMP Title:

Presentation to School Classrooms

BMP Description:

The City of Andover will make an effort to contact area schools and give brief presentations on topics related to storm water quality issues to help students and teachers understand the importance of improving storm water quality.

Measurable Goals:

- Number of presentations
- Number of attendees
- Increased awareness, appreciation and behavior toward our natural resources

Timeline / Implementation Schedule:

- Performed based on acceptance and demand from area schools

Specific Components & Notes (optional):

- Native plantings
- Environmentally friendly lawn care practices
- Rain gardens

Responsible Person for this BMP

Name: Kameron Kytonen
 Title: Natural Resources Technician
 Phone: 763-755-5100
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Responsible Department or Organization

Dept. or Org.: Engineering
 Dept. Head: David Berkowitz
 Phone: 763-755-5100
 E-mail: d.berkowitz@andovermn.gov

Educational components related to this BMP (description or number – optional):

- The audience or audiences involved: See “Description”
- Education goals for each audience in terms of increased awareness, increased understanding, acquired skills, and/or desired changes in behavior: See “Description”
- Activities used to reach educational goals for each audience: See “Specific Components”
- Activity implementation plans, including responsible department in charge, entities responsible for given activities, and schedules: See “Responsible Person”, “Responsible Department” and “Timeline”
- Available performance measures that can be used to determine success in reaching education goals: See “Measurable Goals”

BMP Description Sheet

MS4 Name: City of Andover

Unique Identifying Number: 1a-5

Minimum Control Measures Addressed by This BMP

<input checked="" type="checkbox"/> Public education & outreach	<input type="checkbox"/> Construction site runoff controls
<input checked="" type="checkbox"/> Public participation & involvement	<input checked="" type="checkbox"/> Post-construction stormwater management
<input checked="" type="checkbox"/> Illicit discharge detection & elimination	<input type="checkbox"/> Pollution prevention/Good housekeeping

BMP Title:

Natural Resources-Related Inspections

BMP Description:

The City of Andover has and will continue to provide customer service to Andover residents. One large part of this is doing site evaluations at the request of the residents. Staff consults with residents in person and/or over the phone related to various natural resources topics including but not limited to the list below.

Measurable Goals:

- Number of inspections
- Increased awareness, appreciation and behavior toward our natural resources

Timeline / Implementation Schedule:

- On-going

Specific Components & Notes (optional):

- Native plantings
- Insect and disease control
- Environmentally friendly lawn care practices
- Rain gardens

Responsible Person for this BMP

Responsible Department or Organization

Name: Kameron Kytonen

Dept. or Org.: Engineering

Title: Natural Resources Technician

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Educational components related to this BMP (description or number – optional):

- The audience or audiences involved: See “Description”
- Education goals for each audience in terms of increased awareness, increased understanding, acquired skills, and/or desired changes in behavior: See “Description”
- Activities used to reach educational goals for each audience: See “Specific Components”
- Activity implementation plans, including responsible department in charge, entities responsible for given activities, and schedules: See “Responsible Person”, “Responsible Department” and “Timeline”
- Available performance measures that can be used to determine success in reaching education goals: See “Measurable Goals”

BMP Description Sheet

MS4 Name: City of Andover

Unique Identifying Number: 1a-6

Minimum Control Measures Addressed by This BMP

<input checked="" type="checkbox"/> Public education & outreach	<input checked="" type="checkbox"/> Construction site runoff controls
<input checked="" type="checkbox"/> Public participation & involvement	<input checked="" type="checkbox"/> Post-construction stormwater management
<input checked="" type="checkbox"/> Illicit discharge detection & elimination	<input type="checkbox"/> Pollution prevention/Good housekeeping

BMP Title:

Pre-construction Meetings for New Developments

BMP Description:

Prior to grading for new developments in the City, staff meets with the Developer, project engineer and contractor(s) to discuss the project in detail. Staff emphasizes that proper site maintenance including but not limited to proper erosion control, tree preservation, construction waste management and street sweeping are activities that shall be implemented by the appropriate parties.

Measurable Goals:

- Number of meetings
- Number of attendees
- Proper site maintenance on active developments

Timeline / Implementation Schedule:

- On-going

Specific Components & Notes (optional):

- Proper installation of erosion control and tree protection fencing
- Cyclical street sweepings
- Construction site waste management
- Penalties for non-compliance

Responsible Person for this BMP

Responsible Department or Organization

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Educational components related to this BMP (description or number – optional):

- The audience or audiences involved: See “Description”
- Education goals for each audience in terms of increased awareness, increased understanding, acquired skills, and/or desired changes in behavior: See “Description”
- Activities used to reach educational goals for each audience: See “Specific Components”
- Activity implementation plans, including responsible department in charge, entities responsible for given activities, and schedules: See “Responsible Person”, “Responsible Department” and “Timeline”
- Available performance measures that can be used to determine success in reaching education goals: See “Measurable Goals”

BMP Description Sheet

MS4 Name: City of Andover

Unique Identifying Number: 1a-7

Minimum Control Measures Addressed by This BMP

<input checked="" type="checkbox"/>	Public education & outreach	<input type="checkbox"/>	Construction site runoff controls
<input checked="" type="checkbox"/>	Public participation & involvement	<input type="checkbox"/>	Post-construction stormwater management
<input checked="" type="checkbox"/>	Illicit discharge detection & elimination	<input type="checkbox"/>	Pollution prevention/Good housekeeping

<p><u>BMP Title:</u> Presentation to City Council</p>	
<p><u>BMP Description:</u> The City of Andover annually prepares a presentation to the City Council to explain the specific components listed below. This presentation will increase Council awareness of storm water runoff issues and justify the importance of implementing the SWPPP provisions.</p>	
<p><u>Measurable Goals:</u></p> <ul style="list-style-type: none"> • Completed presentation • Number of attendees 	<p><u>Timeline / Implementation Schedule:</u></p> <ul style="list-style-type: none"> • Annual presentation each year of Permit
<p><u>Specific Components & Notes (optional):</u></p> <ul style="list-style-type: none"> • NPDES regulations • Urban storm water impacts to water bodies • SWPPP provisions and compliance • Current SWPPP status and challenges • Maintenance/Inventory procedures • Alternative landscaping options 	
<p><u>Responsible Person for this BMP</u></p> <p>Name: Kameron Kytonen Title: Natural Resources Technician Phone: 763-755-5100 E-mail: k.kytonen@andovermn.gov</p>	<p><u>Responsible Department or Organization</u></p> <p>Dept. or Org.: Engineering Dept. Head: David Berkowitz Phone: 763-755-5100 E-mail: d.berkowitz@andovermn.gov</p>
<p><u>Educational components related to this BMP (description or number – optional):</u></p> <ul style="list-style-type: none"> • <u>The audience or audiences involved:</u> See “Description” • <u>Education goals for each audience in terms of increased awareness, increased understanding, acquired skills, and/or desired changes in behavior:</u> See “Description” • <u>Activities used to reach educational goals for each audience:</u> See “Specific Components” • <u>Activity implementation plans, including responsible department in charge, entities responsible for given activities, and schedules:</u> See “Responsible Person”, Responsible Department” and “Timeline” • <u>Available performance measures that can be used to determine success in reaching education goals:</u> See “Measurable Goals” 	

BMP Description Sheet

MS4 Name: City of Andover

Unique Identifying Number: 1a-8

Minimum Control Measures Addressed by This BMP

<input checked="" type="checkbox"/>	Public education & outreach	<input type="checkbox"/>	Construction site runoff controls
<input checked="" type="checkbox"/>	Public participation & involvement	<input type="checkbox"/>	Post-construction stormwater management
<input checked="" type="checkbox"/>	Illicit discharge detection & elimination	<input type="checkbox"/>	Pollution prevention/Good housekeeping

<p><u>BMP Title:</u> Presentation to City Staff</p>	
<p><u>BMP Description:</u> The City of Andover prepares occasional presentations to City Staff to explain the specific components listed below. This presentation will increase Staff awareness of storm water runoff issues and justify the importance of implementing the SWPPP provisions.</p>	
<p><u>Measurable Goals:</u></p> <ul style="list-style-type: none"> Completed presentations Number of attendees 	<p><u>Timeline / Implementation Schedule:</u></p> <ul style="list-style-type: none"> Presentation every three years
<p><u>Specific Components & Notes (optional):</u></p> <ul style="list-style-type: none"> NPDES regulations Urban storm water impacts to water bodies SWPPP provisions and current status and challenges Responsible departments for BMP's Environmentally friendly lawn care practices Rain gardens Increased awareness, appreciation and behavior toward our natural resources 	
<p><u>Responsible Person for this BMP</u></p> <p>Name: Kameron Kytönen Title: Natural Resources Technician Phone: 763-755-5100 E-mail: k.kytönen@andovermn.gov</p>	<p><u>Responsible Department or Organization</u></p> <p>Dept. or Org.: Engineering Dept. Head: David Berkowitz Phone: 763-755-5100 E-mail: d.berkowitz@andovermn.gov</p>
<p><u>Educational components related to this BMP (description or number – optional):</u></p> <ul style="list-style-type: none"> <u>The audience or audiences involved:</u> See “Description” <u>Education goals for each audience in terms of increased awareness, increased understanding, acquired skills, and/or desired changes in behavior:</u> See “Description” <u>Activities used to reach educational goals for each audience:</u> See “Specific Components” <u>Activity implementation plans, including responsible department in charge, entities responsible for given activities, and schedules:</u> See “Responsible Person”, Responsible Department” and “Timeline” <u>Available performance measures that can be used to determine success in reaching education goals:</u> See “Measurable Goals” 	

BMP Description Sheet

MS4 Name: City of Andover

Unique Identifying Number: 1d-1

Minimum Control Measures Addressed by This BMP

X	Public education & outreach	X	Construction site runoff controls
X	Public participation & involvement	X	Post-construction stormwater management
X	Illicit discharge detection & elimination	X	Pollution prevention/Good housekeeping

BMP Title:

Coordination of Educational Program

BMP Description:

The City of Andover has and will continue to work with, share and exchange ideas with (network) and join forces with other public and/or private groups including but not limited to the Minnesota Cities Stormwater Coalition (MCSC), Metro Watershed Partners, the Metro Water Resource Coordinators Group (WRCG), the Coon Creek Watershed District (CCWD), Lower Rum River Watershed Management Organization (LRRWMO), Anoka Conservation District (ACD), Department of Natural Resources (DNR) and Minnesota Pollution Control Agency (MPCA) to maintain the operation of a sound stormwater educational program aimed at all audiences that meets the Permit requirements.

Measurable Goals:

- Number of collaborative effort functions
- Number of attendees at meetings
- Continued improvement of program effectiveness
- Maintain communication channels between numerous groups for most up to date information
- Share information with other groups to facilitate efficient educational program

Timeline / Implementation Schedule:

- On-going
- Attend and participate in yearly Work Team meetings
- Attend and participate in at least 2 MCSC, Watershed Partners or WRCG meetings per year
- Attend and participate in yearly Technical Advisory Committee (TAC) meetings

Specific Components & Notes (optional):

- Training for construction contractors
- Newsletter articles
- Meetings and presentations
- Environmentally friendly lawn care practices
- Native plantings and rain gardens

Responsible Person for this BMP

Responsible Department or Organization

Name: Kameron Kytönen

Dept. or Org.: Engineering

Title: Natural Resources Technician

Dept. Head: David Berkowitz

Phone: 763-755-5100

Phone: 763-755-5100

E-mail: k.kytönen@andovermn.gov

E-mail: d.berkowitz@andovermn.gov

Educational components related to this BMP (description or number – optional):

- The audience or audiences involved: See “Description”
- Education goals for each audience in terms of increased awareness, increased understanding, acquired skills, and/or desired changes in behavior: See “Description”
- Activities used to reach educational goals for each audience: See “Specific Components”
- Activity implementation plans, including responsible department in charge, entities responsible for given activities, and schedules: See “Responsible Person”, “Responsible Department” and “Timeline”
- Available performance measures that can be used to determine success in reaching education goals: See “Measurable Goals”

BMP Description Sheet

MS4 Name: City of Andover

Unique Identifying Number: 2a-1, 2b-1, 2c-1

Minimum Control Measures Addressed by This BMP

<input checked="" type="checkbox"/>	Public education & outreach	<input type="checkbox"/>	Construction site runoff controls
<input checked="" type="checkbox"/>	Public participation & involvement	<input type="checkbox"/>	Post-construction stormwater management
<input type="checkbox"/>	Illicit discharge detection & elimination	<input type="checkbox"/>	Pollution prevention/Good housekeeping

BMP Title:

Comply With Public Notice Requirements/Solicit Public Input and Opinion on the Adequacy of the SWPPP/Consider Public Input

BMP Description:

The City of Andover currently provides a notice of public informational meeting addressing the Storm Water Pollution Prevention Program at least 30 days prior to the meeting. The notice includes all components listed below and is distributed in areas to best notify a diverse group of citizens within the Andover jurisdiction. Refer to BMP 2.B, 1e-1 for more detailed information with regard to the public meeting.

Measurable Goals:

- Completed public notice

Timeline / Implementation Schedule:

- On-going
- Annually

Specific Components & Notes (optional):

- Date, time and location
- Description of how the meeting will be conducted
 - Presentation followed by public meeting
- Location of the SWPPP for review prior to the meeting
- Location of notice
 - City newsletter
 - Local newspaper

Responsible Person for this BMP

Responsible Department or Organization

Name: Kameron Kytönen

Dept. or Org.: Engineering

Title: Natural Resources Technician

Dept. Head: David Berkowitz

Phone: 763-755-5100

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E-mail: d.berkowitz@andovermn.gov

BMP Description Sheet

MS4 Name: City of Andover

Unique Identifying Number: 2.B, 1e-1

Minimum Control Measures Addressed by This BMP

<input checked="" type="checkbox"/> Public education & outreach	<input type="checkbox"/> Construction site runoff controls
<input checked="" type="checkbox"/> Public participation & involvement	<input type="checkbox"/> Post-construction stormwater management
<input type="checkbox"/> Illicit discharge detection & elimination	<input type="checkbox"/> Pollution prevention/Good housekeeping

BMP Title:

Annual Public Meeting

BMP Description:

Conduct an annual public meeting to receive public opinion on the adequacy and effectiveness of the SWPPP program components. The City welcomes comments, both written and oral before, during and after the meeting. Comments on the program are accepted at any time, and SWPPP's are available at City Hall and on the website for all audiences.

Measurable Goals:

- Completed public meeting and attendance
- Number of comments

Timeline / Implementation Schedule:

- Annual meeting in each year of the Permit cycle
- The City will respond to comments in a reasonable timeframe as needed
- The City will consider the comments and make adjustments to the SWPPP as needed

Specific Components & Notes (optional):

- Establish meeting procedures and processes for speakers and written material
- Consider timely, relevant written materials submitted by the public
- Allow interested persons time to make oral statements on SWPPP

Responsible Person for this BMP

Name: Kameron Kytonen
 Title: Natural Resources Technician
 Phone: 763-755-5100
 E-mail: k.kytonen@andovermn.gov

Responsible Department or Organization

Dept. or Org.: Engineering
 Dept. Head: David Berkowitz
 Phone: 763-755-5100
 E-mail: d.berkowitz@andovermn.gov

Educational components related to this BMP (description or number – optional):

- The audience or audiences involved: See "Description"
- Education goals for each audience in terms of increased awareness, increased understanding, acquired skills, and/or desired changes in behavior: See "Description"
- Activities used to reach educational goals for each audience: See "Specific Components"
- Activity implementation plans, including responsible department in charge, entities responsible for given activities, and schedules: See "Responsible Person", "Responsible Department" and "Timeline"
- Available performance measures that can be used to determine success in reaching education goals: See "Measurable Goals"

BMP Description Sheet

MS4 Name: City of Andover

Unique Identifying Number: 2.C, 3d-1, 3e-1

Minimum Control Measures Addressed by This BMP

X	Public education & outreach	X	Construction site runoff controls
X	Public participation & involvement	X	Post-construction stormwater management
X	Illicit discharge detection & elimination	X	Pollution prevention/Good housekeeping

BMP Title:

Non-compliance Complaints and Reports/Public and Employee Illicit Discharge Elimination Program/Identification of Non-Storm Water Discharges and Flows

BMP Description:

The City presently has personnel available on a normal working day basis, voice mail and email options for residents to report illicit discharges, construction site sedimentation and erosion violations, other stormwater related issues and to provide comments on the SWPPP. City staff keeps thorough records of these complaints, and responds to the calls as needed. In addition, staff will develop a process to evaluate, determine the significance of and address (if determined to be significant contributors of pollutants to the City) those non-storm water discharges listed in the permit. Enforcement Response Procedures (ERP's) will be created, which will supplement the applicable ordinance and detail steps

Measurable Goals:

- Number and type of calls/complaints from the community
- Number and type of city staff actions initiated based on calls received
- Number and type of responses from the violators
- Compliance level

Timeline / Implementation Schedule:

- On-going
- ERP's drafted by December 2015
- Staff responds within a reasonable timeframe to calls related to these items; the more serious the issue, the quicker the response

Specific Components & Notes (optional):

- Increase public participation
- Allows citizen reports on illicit discharge detection
- Allows citizen reports on construction site erosion violations
- Complaint and response log

Responsible Person for this BMP

Name: Kameron Kytonen
 Title: Natural Resources Technician
 Phone: 763-755-5100
 E-mail: k.kytonen@andovermn.gov

Responsible Department or Organization

Dept. or Org.: Engineering
 Dept. Head: David Berkowitz
 Phone: 763-755-5100
 E-mail: d.berkowitz@andovermn.gov

Educational components related to this BMP (description or number – optional):

- The audience or audiences involved: See "Description"
- Education goals for each audience in terms of increased awareness, increased understanding, acquired skills, and/or desired changes in behavior: See "Description"
- Activities used to reach educational goals for each audience: See "Specific Components"
- Activity implementation plans, including responsible department in charge, entities responsible for given activities, and schedules: See "Responsible Person", "Responsible Department" and "Timeline"
- Available performance measures that can be used to determine success in reaching education goals: See "Measurable Goals"

BMP Description Sheet

MS4 Name: City of Andover

Unique Identifying Number: 2.D-1

Minimum Control Measures Addressed by This BMP

<input checked="" type="checkbox"/>	Public education & outreach	<input type="checkbox"/>	Construction site runoff controls
<input checked="" type="checkbox"/>	Public participation & involvement	<input type="checkbox"/>	Post-construction stormwater management
<input checked="" type="checkbox"/>	Illicit discharge detection & elimination	<input type="checkbox"/>	Pollution prevention/Good housekeeping

BMP Title:

Adopt-A-Street

BMP Description:

The City presently has and will continue to implement an Adopt-A-Street program to assist in keeping the streets and boulevards free of debris. This program has been expanded and promoted to the residents of Andover. It gives Andover residents an opportunity to help improve the quality of storm water.

Measurable Goals:

- Number of streets adopted
- Number of residents participating in program

Timeline / Implementation Schedule:

- On-going

Specific Components & Notes (optional):

- Increase public participation
- Increased appreciation, awareness and behavior towards our natural resources

Responsible Person for this BMP	Responsible Department or Organization
Name: Barb Wells	Dept. or Org.: Public Works
Title: Public Works Secretary	Dept. Head: David Berkowitz
Phone: 763-755-5100	Phone: 763-755-5100
E-mail: b.wells@andovermn.gov	E-mail: d.berkowitz@andovermn.gov

Educational components related to this BMP (description or number – optional):

- The audience or audiences involved: See “Description”
- Education goals for each audience in terms of increased awareness, increased understanding, acquired skills, and/or desired changes in behavior: See “Description”
- Activities used to reach educational goals for each audience: See “Specific Components”
- Activity implementation plans, including responsible department in charge, entities responsible for given activities, and schedules: See “Responsible Person”, “Responsible Department” and “Timeline”
- Available performance measures that can be used to determine success in reaching education goals: See “Measurable Goals”

BMP Description Sheet

MS4 Name: City of Andover

Unique Identifying Number: 2.D-2

Minimum Control Measures Addressed by This BMP

<input checked="" type="checkbox"/>	Public education & outreach	<input type="checkbox"/>	Construction site runoff controls
<input checked="" type="checkbox"/>	Public participation & involvement	<input type="checkbox"/>	Post-construction stormwater management
<input checked="" type="checkbox"/>	Illicit discharge detection & elimination	<input type="checkbox"/>	Pollution prevention/Good housekeeping

BMP Title:

Adopt-A-Park

BMP Description:

The City presently has and will continue to implement an Adopt-A-Park program to assist in keeping the parks free of debris. This program has been expanded and promoted to the residents of Andover. It gives Andover residents an opportunity to help improve the quality of storm water and improve the appearance of our public open spaces.

Measurable Goals:

- Number of parks adopted
- Number of residents participating in program

Timeline / Implementation Schedule:

- On-going

Specific Components & Notes (optional):

- Increase public participation
- Increased appreciation, awareness and behavior towards our natural resources

Responsible Person for this BMP

Name: Barb Wells
 Title: Public Works Secretary
 Phone: 763-755-5100
 E-mail: b.wells@andovermn.gov

Responsible Department or Organization

Dept. or Org.: Public Works
 Dept. Head: David Berkowitz
 Phone: 763-755-5100
 E-mail: d.berkowitz@andovermn.gov

Educational components related to this BMP (description or number – optional):

- The audience or audiences involved: See “Description”
- Education goals for each audience in terms of increased awareness, increased understanding, acquired skills, and/or desired changes in behavior: See “Description”
- Activities used to reach educational goals for each audience: See “Specific Components”
- Activity implementation plans, including responsible department in charge, entities responsible for given activities, and schedules: See “Responsible Person”, “Responsible Department” and “Timeline”
- Available performance measures that can be used to determine success in reaching education goals: See “Measurable Goals”

BMP Description Sheet

MS4 Name: City of Andover

Unique Identifying Number: 2.E

Minimum Control Measures Addressed by This BMP

<input checked="" type="checkbox"/>	Public education & outreach	<input type="checkbox"/>	Construction site runoff controls
<input checked="" type="checkbox"/>	Public participation & involvement	<input type="checkbox"/>	Post-construction stormwater management
<input checked="" type="checkbox"/>	Illicit discharge detection & elimination	<input type="checkbox"/>	Pollution prevention/Good housekeeping

BMP Title:

Adopt-A-Pond

BMP Description:

The City will coordinate an Adopt-A-Pond program to assist in keeping areas in and around the numerous storm water ponds free of debris and litter and to enhance the vegetation around the ponds. The City will promote this to Andover residents. It will give Andover residents an opportunity to improve storm water quality by picking up litter and/or planting native vegetation around the ponds.

Measurable Goals:

- Number of ponds adopted
- Number of residents participating in program

Timeline / Implementation Schedule:

- First pond to be adopted by spring 2015

Specific Components & Notes (optional):

- Increase public participation
- Increased appreciation, awareness and behavior towards our natural resources

Responsible Person for this BMP

Name: Kameron Kytonen
 Title: Natural Resources Technician
 Phone: 763-755-5100
 E-mail: k.kytonen@andovermn.gov

Responsible Department or Organization

Dept. or Org.: Engineering
 Dept. Head: David Berkowitz
 Phone: 763-755-5100
 E-mail: d.berkowitz@andovermn.gov

Educational components related to this BMP (description or number – optional):

- The audience or audiences involved: See “Description”
- Education goals for each audience in terms of increased awareness, increased understanding, acquired skills, and/or desired changes in behavior: See “Description”
- Activities used to reach educational goals for each audience: See “Specific Components”
- Activity implementation plans, including responsible department in charge, entities responsible for given activities, and schedules: See “Responsible Person”, “Responsible Department” and “Timeline”
- Available performance measures that can be used to determine success in reaching education goals: See “Measurable Goals”

BMP Description Sheet

MS4 Name: City of Andover

Unique Identifying Number: 2.G

Minimum Control Measures Addressed by This BMP

<input checked="" type="checkbox"/>	Public education & outreach	<input checked="" type="checkbox"/>	Construction site runoff controls
<input checked="" type="checkbox"/>	Public participation & involvement	<input type="checkbox"/>	Post-construction stormwater management
<input checked="" type="checkbox"/>	Illicit discharge detection & elimination	<input checked="" type="checkbox"/>	Pollution prevention/Good housekeeping

<u>BMP Title:</u> Watershed Organization	
<u>BMP Description:</u> Participate in Lower Rum River Watershed Organization. Coordinate with Coon Creek Watershed District.	
<u>Measurable Goals:</u> • Meetings attended	<u>Timeline / Implementation Schedule:</u> • On-going
<u>Specific Components & Notes (optional):</u> • Watershed Management Plans	
<u>Responsible Person for this BMP</u>	<u>Responsible Department or Organization</u>
Name: Todd Haas	Dept. or Org.: Engineering
Title: Assistant Public Works Director	Dept. Head: David Berkowitz
Phone: 763-755-5100	Phone: 763-755-5100
E-mail: t.haas@andovermn.gov	E-mail: d.berkowitz@andovermn.gov
<u>Educational components related to this BMP (description or number – optional):</u> <ul style="list-style-type: none"> • <u>The audience or audiences involved:</u> See “Description” • <u>Education goals for each audience in terms of increased awareness, increased understanding, acquired skills, and/or desired changes in behavior:</u> See “Description” • <u>Activities used to reach educational goals for each audience:</u> See “Specific Components” • <u>Activity implementation plans, including responsible department in charge, entities responsible for given activities, and schedules:</u> See “Responsible Person”, “Responsible Department” and “Timeline” • <u>Available performance measures that can be used to determine success in reaching education goals:</u> See “Measurable Goals” 	

BMP Description Sheet

MS4 Name: City of Andover

Unique Identifying Number: 2.H

Minimum Control Measures Addressed by This BMP

<input checked="" type="checkbox"/>	Public education & outreach	<input type="checkbox"/>	Construction site runoff controls
<input checked="" type="checkbox"/>	Public participation & involvement	<input type="checkbox"/>	Post-construction stormwater management
<input checked="" type="checkbox"/>	Illicit discharge detection & elimination	<input type="checkbox"/>	Pollution prevention/Good housekeeping

BMP Title:

Andover Pollinator Awareness Project (APAP)

BMP Description:

In response to the recent decline in native pollinators, this group was created to encourage practices that protect pollinators. Responsible use of pesticides and native plantings are being heavily endorsed. This also has a positive effect on storm water quality, as it promotes alternative landscaping, which encourages infiltration. It also reduces runoff quantity.

Measurable Goals:

- Number of meetings held
- Number of participants in meetings
- Number of visitors at Pollinator Garden Tour
- Number of Pollinator Demonstration projects
- Number of visitors at “Pollinator Party”

Timeline / Implementation Schedule:

- Hold at least 6 meetings per year
- On-going education program
- Eventually morph group into general “natural resources group”

Specific Components & Notes (optional):

- Proclamation designating City as “Bee-Safe”
- Native plantings

Responsible Person for this BMP

Responsible Department or Organization

Name: Kameron Kytonen

Dept. or Org.: Engineering

Title: Natural Resources Technician

Dept. Head: David Berkowitz

Phone: 763-755-5100

Phone: 763-755-5100

E-mail: k.kytonen@andovermn.gov

E-mail: d.berkowitz@andovermn.gov

Educational components related to this BMP (description or number – optional):

- The audience or audiences involved: See “Description”
- Education goals for each audience in terms of increased awareness, increased understanding, acquired skills, and/or desired changes in behavior: See “Description”
- Activities used to reach educational goals for each audience: See “Specific Components”
- Activity implementation plans, including responsible department in charge, entities responsible for given activities, and schedules: See “Responsible Person”, Responsible Department” and “Timeline”
- Available performance measures that can be used to determine success in reaching education goals: See “Measurable Goals”

BMP Description Sheet

MS4 Name: City of Andover

Unique Identifying Number: 3a-1

Minimum Control Measures Addressed by This BMP

<input type="checkbox"/> Public education & outreach <input type="checkbox"/> Public participation & involvement <input checked="" type="checkbox"/> Illicit discharge detection & elimination	<input type="checkbox"/> Construction site runoff controls <input type="checkbox"/> Post-construction storm water management <input checked="" type="checkbox"/> Pollution prevention/Good housekeeping
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BMP Title:

Storm Water System Map

BMP Description:

Much of the piping system, inlets, ditches, wetland and detention/retention pond information is available on existing maps, as-built drawings and subdivision plans. The City has compiled all of this data onto one single map. Staff will continue to update the map as needed.

Measurable Goals:

- Storm water system map

Timeline / Implementation Schedule:

- Completed storm water system map by June 30, 2008
- On-going updates to map

Specific Components & Notes (optional):

- Ponds, streams, county ditches, lakes and wetlands
- All catch basins and structural pollution control devices
- All storm sewer piping
- All outfalls

Responsible Person for this BMP

Responsible Department or Organization

Name: David Berkowitz	Dept. or Org.: Engineering
Title: Director of Public Works/City Engineer	Dept. Head: David Berkowitz
Phone: 763-755-5100	Phone:
E-mail: d.berkowitz@andovermn.gov	E-mail:

Educational components related to this BMP (description or number – optional):

- The audience or audiences involved: See “Description”
- Education goals for each audience in terms of increased awareness, increased understanding, acquired skills, and/or desired changes in behavior: See “Description”
- Activities used to reach educational goals for each audience: See “Specific Components”
- Activity implementation plans, including responsible department in charge, entities responsible for given activities, and schedules: See “Responsible Person”, “Responsible Department” and “Timeline”
- Available performance measures that can be used to determine success in reaching education goals: See “Measurable Goals”

BMP Description Sheet

MS4 Name: City of Andover

Unique Identifying Number: 3b-1, 3c-1

Minimum Control Measures Addressed by This BMP

<input checked="" type="checkbox"/>	Public education & outreach	<input type="checkbox"/>	Construction site runoff controls
<input checked="" type="checkbox"/>	Public participation & involvement	<input type="checkbox"/>	Post-construction stormwater management
<input checked="" type="checkbox"/>	Illicit discharge detection & elimination	<input type="checkbox"/>	Pollution prevention/Good housekeeping

BMP Title:

Illicit Discharge, Detection and Enforcement Ordinance/Regulatory Control Program/Illicit Discharge, Detection and Elimination Plan

BMP Description:

The City of Andover currently has language in an existing ordinance prohibiting the dumping of non-storm water substances into storm sewers, and has a process for detecting, responding to calls, cleaning up and penalizing (if necessary). In addition, the City has developed ERP's for illicit discharges.

Measurable Goals:

- Completed ordinance
- Number of enforcement actions taken
- Increased awareness, appreciation and behavior toward our natural resources

Timeline / Implementation Schedule:

- Completed Illicit Discharge, Detection and Enforcement Ordinance by December, 2010
- ERP's developed by December 2015

Specific Components & Notes (optional):

- Meeting with City Attorney
- Septic system control
- Illicit connections control
- Illegal dumping control
- Right of entry provision
- Camera tests
- Penalties

Responsible Person for this BMP

Responsible Department or Organization

Name: Kameron Kytonen

Dept. or Org.: Engineering

Title: Natural Resources Technician

Dept. Head: David Berkowitz

Phone: 763-755-5100

Phone: 763-755-5100

E-mail: k.kytonen@andovermn.gov

E-mail: d.berkowitz@andovermn.gov

Educational components related to this BMP (description or number – optional):

BMP Description Sheet

MS4 Name: City of Andover

Unique Identifying Number: 3.C.1

Minimum Control Measures Addressed by This BMP

<input type="checkbox"/> Public education & outreach	<input type="checkbox"/> Construction site runoff controls
<input type="checkbox"/> Public participation & involvement	<input checked="" type="checkbox"/> Post-construction stormwater management
<input checked="" type="checkbox"/> Illicit discharge detection & elimination	<input type="checkbox"/> Pollution prevention/Good housekeeping

BMP Title:

Post Construction Septic System Maintenance

BMP Description:

City Ordinance #221 requires bi-annual filing with the City of a maintenance report of on-site sewage disposal system and pumping on a three-year frequency. The ordinance also makes provisions for inspection and abatement of system failure.

Measurable Goals:

- Reports submitted

Timeline / Implementation Schedule:

- On-going

Specific Components & Notes (optional):

- Bi-Annual Report
- Capacity Requirement
- Individual Sewage Treatment System Professional Licensing Inspection
- Enforcement

Responsible Person for this BMP

Responsible Department or Organization

Name: Fred Patch

Dept. or Org.: Building

Title: Building Official

Dept. Head: Fred Patch

Phone: 763-755-5100

Phone:

E-mail: f.patch@andovermn.gov

E-mail:

Educational components related to this BMP (description or number – optional):

BMP Description Sheet

MS4 Name: City of Andover

Unique Identifying Number: 3.C.2

Minimum Control Measures Addressed by This BMP

<input type="checkbox"/> Public education & outreach	<input type="checkbox"/> Construction site runoff controls
<input type="checkbox"/> Public participation & involvement	<input type="checkbox"/> Post-construction stormwater management
<input checked="" type="checkbox"/> Illicit discharge detection & elimination	<input checked="" type="checkbox"/> Pollution prevention/Good housekeeping

BMP Title:

Conducting Camera Tests

BMP Description:

The City has developed a program to televise storm sewer systems to identify structural problems and eliminate illegal and/or improper connections to the storm drainage systems and receiving waters. The City will develop a program to televise a certain area in the City each year by breaking the City down into zones and doing these on a rotating basis. Accurate records will be kept. Illicit discharge connections will be identified using the specific components listed below. The City of Andover will outline proper enforcement procedures in the Illicit Discharge, Detection and Enforcement Ordinance and ERP's.

Measurable Goals:

- Length of storm sewer televised each year
- Number of work orders as a result of televising observation
- Number of violations
- Number of enforcement actions

Timeline / Implementation Schedule:

- Develop program to cyclically televise city
- On-going

Specific Components & Notes (optional):

- Televising
- Faulty systems
- Illicit discharges
- Maintenance to system

Responsible Person for this BMP

Name: Brian Kraabel
 Title: Public Utilities Supervisor
 Phone: 763-755-8118
 E-mail: b.kraabel@andovermn.gov

Responsible Department or Organization

Dept. or Org.: Public Works
 Dept. Head: David Berkowitz
 Phone: 763-755-5100
 E-mail: d.berkowitz@andovermn.gov

Educational components related to this BMP (description or number – optional):

BMP Description Sheet

MS4 Name: City of Andover

Unique Identifying Number: 3.C.3

Minimum Control Measures Addressed by This BMP

<input type="checkbox"/> Public education & outreach <input type="checkbox"/> Public participation & involvement <input checked="" type="checkbox"/> Illicit discharge detection & elimination	<input type="checkbox"/> Construction site runoff controls <input type="checkbox"/> Post-construction stormwater management <input checked="" type="checkbox"/> Pollution prevention/Good housekeeping
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<u>BMP Title:</u> Sanitary Sewer Maintenance	
<u>BMP Description:</u> The City has an on-going program of inspecting and cleaning the sanitary sewer system. The City has developed a program to televise a certain area in the City each year by breaking the City down into zones and doing these on a rotating basis. Approximately 1/5 of the system is cleaned each year.	
<u>Measurable Goals:</u> <ul style="list-style-type: none"> Miles of sanitary sewer televised Miles of sanitary sewer cleaned 	<u>Timeline / Implementation Schedule:</u> <ul style="list-style-type: none"> On-going
<u>Specific Components & Notes (optional):</u>	
<u>Responsible Person for this BMP</u>	<u>Responsible Department or Organization</u>
Name: Brian Kraabel	Dept. or Org.: Public Works
Title: Public Utilities Supervisor	Dept. Head: David Berkowitz
Phone: 763-755-5180	Phone: 763-755-5100
E-mail: b.kraabel@andovermn.gov	E-mail: d.berkowitz@andovermn.gov
<u>Educational components related to this BMP (description or number – optional):</u>	

BMP Description Sheet

MS4 Name: City of Andover

Unique Identifying Number: 4a-1, 4b-1

Minimum Control Measures Addressed by This BMP

<input checked="" type="checkbox"/>	Public education & outreach	<input checked="" type="checkbox"/>	Construction site runoff controls
<input type="checkbox"/>	Public participation & involvement	<input checked="" type="checkbox"/>	Post-construction stormwater management
<input type="checkbox"/>	Illicit discharge detection & elimination	<input type="checkbox"/>	Pollution prevention/Good housekeeping

BMP Title:

Construction Site Erosion and Waste Control Ordinance or Other Regulatory Mechanism/Construction Site Implementation of Erosion and Sediment Control BMP's

BMP Description:

The City has adopted an ordinance that outlines the requirements for proper construction site erosion and waste control and the process for inspections, enforcement and penalties for non-compliance. This ordinance meets or exceeds the provisions set forth under part V.G.4 of the permit and the MPCA Construction Storm Water Permit. Additional information is included in other ordinances and correspondence including but not limited to development contracts for new developments. In addition, ERP's will be developed to further outline the processes used.

Post-construction runoff from new development and redevelopment policies, enforcement and sanctions is covered under the City's Storm Water Management Plan.

Measurable Goals:

- Completed ordinance

Timeline / Implementation Schedule:

- Completed Construction Site Erosion and Waste Control Ordinance
- Continued updates to ordinance (if necessary)
- ERP's developed by March 2016

Specific Components & Notes (optional):

- Inspection program
- Entrance criteria
- Debris storage and maintenance
- Waste disposal
- Street sweeping
- Erosion control requirements
- Site stabilization
- Timelines for compliance
- Penalties for non-compliance

Responsible Person for this BMP	Responsible Department or Organization
Name: Kameron Kytonen	Dept. or Org.: Engineering
Title: Natural Resources Technician	Dept. Head: David Berkowitz
Phone: 763-755-5100	Phone: 763-755-5100
E-mail: k.kytonen@andovermn.gov	E-mail: d.berkowitz@andovermn.gov

BMP Description Sheet

MS4 Name: City of Andover

Unique Identifying Number: 4.A.1

Minimum Control Measures Addressed by This BMP

<input type="checkbox"/>	Public education & outreach	<input checked="" type="checkbox"/>	Construction site runoff controls
<input type="checkbox"/>	Public participation & involvement	<input checked="" type="checkbox"/>	Post-construction stormwater management
<input type="checkbox"/>	Illicit discharge detection & elimination	<input type="checkbox"/>	Pollution prevention/Good housekeeping

<p><u>BMP Title:</u> Floodplain Regulation</p>	
<p><u>BMP Description:</u> The City presently has a Floodplain ordinance regulating land uses, structures, barriers and erosion control.</p>	
<p><u>Measurable Goals:</u></p> <ul style="list-style-type: none"> • Number of permits issued 	<p><u>Timeline / Implementation Schedule:</u></p> <ul style="list-style-type: none"> • On-going
<p><u>Specific Components & Notes (optional):</u></p> <ul style="list-style-type: none"> • Floodplain ordinance 	
<p><u>Responsible Person for this BMP</u></p>	<p><u>Responsible Department or Organization</u></p>
Name: David Berkowitz	Dept. or Org.: Engineering
Title: Director of Public Works/City Engineer	Dept. Head: David Berkowitz
Phone: 763-755-5100	Phone:
E-mail: d.berkowitz@andovermn.gov	E-mail:
<p><u>Educational components related to this BMP (description or number – optional):</u></p>	

BMP Description Sheet

MS4 Name: City of Andover

Unique Identifying Number: 4.A.2

Minimum Control Measures Addressed by This BMP

<input type="checkbox"/>	Public education & outreach	<input checked="" type="checkbox"/>	Construction site runoff controls
<input type="checkbox"/>	Public participation & involvement	<input checked="" type="checkbox"/>	Post-construction stormwater management
<input type="checkbox"/>	Illicit discharge detection & elimination	<input type="checkbox"/>	Pollution prevention/Good housekeeping

<p><u>BMP Title:</u> Shoreland Protection</p>	
<p><u>BMP Description:</u> The City presently has a Shoreland ordinance regulating development, waste treatment systems, grading and filling and cutting of vegetation on shoreland abutting public waters as defined by state regulations.</p>	
<p><u>Measurable Goals:</u></p> <ul style="list-style-type: none"> • Shoreland developments 	<p><u>Timeline / Implementation Schedule:</u></p> <ul style="list-style-type: none"> • On-going
<p><u>Specific Components & Notes (optional):</u></p> <ul style="list-style-type: none"> • Shoreland ordinance 	
<p><u>Responsible Person for this BMP</u></p>	<p><u>Responsible Department or Organization</u></p>
Name: David Berkowitz	Dept. or Org.: Engineering
Title: Director of Public Works/City Engineer	Dept. Head: David Berkowitz
Phone: 763-755-5100	Phone:
E-mail: d.berkowitz@andovermn.gov	E-mail:
<p><u>Educational components related to this BMP (description or number – optional):</u></p>	

BMP Description Sheet

MS4 Name: City of Andover

Unique Identifying Number: 4d-1

Minimum Control Measures Addressed by This BMP

<input type="checkbox"/>	Public education & outreach	<input checked="" type="checkbox"/>	Construction site runoff controls
<input type="checkbox"/>	Public participation & involvement	<input type="checkbox"/>	Post-construction stormwater management
<input type="checkbox"/>	Illicit discharge detection & elimination	<input type="checkbox"/>	Pollution prevention/Good housekeeping

BMP Title:

Procedure for Site Plan Review

BMP Description:

The City of Andover has a procedure for construction site plan review. The City will incorporate mandatory provisions and adopted guidelines in the Construction Site Erosion and Waste Control Ordinance.

Measurable Goals:

- Number of plans reviewed

Timeline / Implementation Schedule:

- On-going

Specific Components & Notes (optional):

- Define communication link between Planning and Zoning and Engineering
- Timeline for a site plan review process
- Site plan review fees and City permit application
- BMP requirements
- Construction Site Erosion and Waste Control Ordinance

Responsible Person for this BMP

Name: David Berkowitz
 Title: Director of Public Works/City Engineer
 Phone: 763-755-5100
 E-mail: d.berkowitz@andovermn.gov

Responsible Department or Organization

Dept. or Org.: Engineering
 Dept. Head: David Berkowitz
 Phone:
 E-mail:

Educational components related to this BMP (description or number – optional):

BMP Description Sheet

MS4 Name: City of Andover

Unique Identifying Number: 4.C.1

Minimum Control Measures Addressed by This BMP

<input type="checkbox"/>	Public education & outreach	<input checked="" type="checkbox"/>	Construction site runoff controls
<input type="checkbox"/>	Public participation & involvement	<input type="checkbox"/>	Post-construction stormwater management
<input type="checkbox"/>	Illicit discharge detection & elimination	<input type="checkbox"/>	Pollution prevention/Good housekeeping

BMP Title:

Construction Site Entrance Criteria

BMP Description:

As a part of the Construction Site Erosion and Waste Control Ordinance and applicable Development Contract(s), the City will include entrance control criteria. It will be required for many construction projects, but will be at the discretion of applicable City staff.

Measurable Goals:

- Number of entrances adequately furnished with gravel/mulch

Timeline / Implementation Schedule:

- On-going

Specific Components & Notes (optional):

- Gravel or mulch entrances
- Cyclical street sweeping
- Temporary site stabilization

Responsible Person for this BMP

Name: David Berkowitz
 Title: Director of Public Works/City Engineer
 Phone: 763-755-5100
 E-mail: d.berkowitz@andovermn.gov

Responsible Department or Organization

Dept. or Org.: Engineering
 Dept. Head: David Berkowitz
 Phone:
 E-mail:

Educational components related to this BMP (description or number – optional):

BMP Description Sheet

MS4 Name: City of Andover

Unique Identifying Number: 4c-1

Minimum Control Measures Addressed by This BMP

<input type="checkbox"/>	Public education & outreach	<input checked="" type="checkbox"/>	Construction site runoff controls
<input type="checkbox"/>	Public participation & involvement	<input type="checkbox"/>	Post-construction stormwater management
<input checked="" type="checkbox"/>	Illicit discharge detection & elimination	<input type="checkbox"/>	Pollution prevention/Good housekeeping

BMP Title:

Waste Controls for Construction Site Operators

BMP Description:

The City requires on-site construction site debris enclosures. Sites are periodically inspected to ensure effectiveness. Policy will be reviewed and included in Construction Site Erosion and Waste Control Ordinance.

Measurable Goals:

- Adopted ordinance

Timeline / Implementation Schedule:

- Will be a part ordinance

Specific Components & Notes (optional):

- Subdivision Control Ordinance
- Developer's Contract
- Water Resource Management Plan

Responsible Person for this BMP

Name: David Berkowitz
 Title: Director of Public Works/City Engineer
 Phone: 763-755-5100
 E-mail: d.berkowitz@andovermn.gov

Responsible Department or Organization

Dept. or Org.: Engineering
 Dept. Head: David Berkowitz
 Phone:
 E-mail:

Educational components related to this BMP (description or number – optional):

BMP Description Sheet

MS4 Name: City of Andover

Unique Identifying Number: 4.C.3

Minimum Control Measures Addressed by This BMP

<input type="checkbox"/> Public education & outreach	<input checked="" type="checkbox"/> Construction site runoff controls
<input type="checkbox"/> Public participation & involvement	<input type="checkbox"/> Post-construction stormwater management
<input checked="" type="checkbox"/> Illicit discharge detection & elimination	<input type="checkbox"/> Pollution prevention/Good housekeeping

<u>BMP Title:</u> Building Inspections	
<u>BMP Description:</u> The City Building Inspectors are out in the field on a daily basis performing formal, arranged inspections throughout the various phases of the home-building process. While performing these inspections, they verify the construction sites are properly maintained to ensure proper compliance with the NPDES Phase II permit process with regard to the specific components below.	
<u>Measurable Goals:</u> <ul style="list-style-type: none"> Number of building inspections Number of violations Number of enforcement actions 	<u>Timeline / Implementation Schedule:</u> <ul style="list-style-type: none"> On-going
<u>Specific Components & Notes (optional):</u> <ul style="list-style-type: none"> Maintenance of tree protection and erosion control Streets and gutters free of sediment and debris Construction site waste properly managed and maintained on site 	
Responsible Person for this BMP	Responsible Department or Organization
Name: Fred Patch	Dept. or Org.: Building
Title: Building Official	Dept. Head: Fred Patch
Phone: 763-755-5100	Phone:
E-mail: f.patch@andovermn.gov	E-mail:
<u>Educational components related to this BMP (description or number – optional):</u>	

BMP Description Sheet

MS4 Name: City of Andover

Unique Identifying Number: 4e-1, 4f-1

Minimum Control Measures Addressed by This BMP

<input type="checkbox"/>	Public education & outreach	<input checked="" type="checkbox"/>	Construction site runoff controls
<input type="checkbox"/>	Public participation & involvement	<input type="checkbox"/>	Post-construction stormwater management
<input checked="" type="checkbox"/>	Illicit discharge detection & elimination	<input type="checkbox"/>	Pollution prevention/Good housekeeping

BMP Title:

Establishment of Procedures for the Receipt and Consideration of Reports of Storm Water Noncompliance/Establishment of Procedures for Site Inspections and Enforcement

BMP Description:

City staff is responsible for performing routine inspections of construction sites to verify that proper erosion control is maintained, streets and gutters are free of debris and sediment and tree protection is maintained. Staff has and will continue to see that this takes place as needed. If a site is noticed to be out of compliance, staff will follow through with a formal enforcement process with reasonable deadlines to correct the violation(s), and will facilitate necessary penalties as needed. As mentioned in BMP 2.C, 3d-1, 3e-1, staff adequately responds to complaints with regard to this to ensure compliance. This process will be further outlined in the formulation of ERP's.

Measurable Goals:

- Number of inspections
- Number of violations
- Number of penalties assessed
 - Withholding of CO's
 - Contracting out required improvements and billing contractor(s)

Timeline / Implementation Schedule:

- On-going
- ERP's developed by March 2016

Specific Components & Notes (optional):

- Development inspection log
- Complaint and response log
- Buffer Strip Ordinance
- Tree Protection Plan
- Tree and silt fence inspections records

Responsible Person for this BMP

Name: Kameron Kytonen
 Title: Natural Resources Technician
 Phone: 763-755-5100
 E-mail: k.kytonen@andovermn.gov

Responsible Department or Organization

Dept. or Org.: Engineering
 Dept. Head: David Berkowitz
 Phone: 763-755-5100
 E-mail: d.berkowitz@andovermn.gov

Educational components related to this BMP (description or number – optional):

BMP Description Sheet

MS4 Name: City of Andover

Unique Identifying Number: 5.A

Minimum Control Measures Addressed by This BMP

<input type="checkbox"/>	Public education & outreach	<input checked="" type="checkbox"/>	Construction site runoff controls
<input type="checkbox"/>	Public participation & involvement	<input checked="" type="checkbox"/>	Post-construction stormwater management
<input type="checkbox"/>	Illicit discharge detection & elimination	<input type="checkbox"/>	Pollution prevention/Good housekeeping

BMP Title:

Development and Re-Development Plan Review Program

BMP Description:

The City of Andover has established procedures, guidelines and policies for a Development and Re-Development Plan Review. The specific components listed below are current practices conducted by the City. The City will work in partnership with the CCWD and LRRWMO and adhere to their regulations and will work with developers to encourage Low Impact Development (LID) to encourage volume reduction and increase infiltration. These volume reduction strategies will be included in all city projects as well.

Measurable Goals:

- Number of plan reviews performed
- Number of projects incorporating volume reduction strategies
- Number of grants received

Timeline / Implementation Schedule:

- Continue plan review
- Volume reduction campaign ongoing since 2009

Specific Components & Notes (optional):

- Storm water wetland detention
- Stabilization seeding and sodding
- Outlet stabilization
- Slope rip-rap stabilization
- Surface Water Management Plan
- Timeline for a site plan review process
- Wetland buffer strips
- Scenic River Ordinance
- Shoreland Ordinance
- Practices that encourage infiltration
- Incorporation of LID
- Apply for applicable grants that award projects incorporating infiltration (e.g. rain gardens, grassy swales, native gardens, tree plantings)

Responsible Person for this BMP

Responsible Department or Organization

Name: Stephanie Hanson

Dept. or Org.: Planning

Title: City Planner

Dept. Head: Dave Carlberg

Phone: 763-755-5100

Phone: 763-755-5100

E-mail: s.hanson@andovermn.gov

E-mail: d.carlberg@andovermn.gov

BMP Description Sheet

MS4 Name: City of Andover

Unique Identifying Number: 5.B

Minimum Control Measures Addressed by This BMP

<input type="checkbox"/>	Public education & outreach	<input checked="" type="checkbox"/>	Construction site runoff controls
<input type="checkbox"/>	Public participation & involvement	<input checked="" type="checkbox"/>	Post-construction stormwater management
<input type="checkbox"/>	Illicit discharge detection & elimination	<input type="checkbox"/>	Pollution prevention/Good housekeeping

BMP Title:

Storm Water Ponds

BMP Description:

The City and/or Coon Creek Watershed District (CCWD) and Lower Rum River Watershed Management Organization (LRRWMO) require wet ponds, dry ponds, sedimentation basins, detention or retention basins as appropriate for storm water management, volume and treatment.

Measurable Goals:

- Subdivision reviews
- Number of storm water ponds

Timeline / Implementation Schedule:

- On-going

Specific Components & Notes (optional):

- Subdivision Contract Ordinance
- Surface Water Management Plan

Responsible Person for this BMP

Name: David Berkowitz
 Title: Director of Public Works/City Engineer
 Phone: 763-755-5100
 E-mail: d.berkowitz@andovermn.gov

Responsible Department or Organization

Dept. or Org.: Engineering
 Dept. Head: David Berkowitz
 Phone:
 E-mail:

Educational components related to this BMP (description or number – optional):

BMP Description Sheet

MS4 Name: City of Andover

Unique Identifying Number: 5a-1

Minimum Control Measures Addressed by This BMP

<input type="checkbox"/>	Public education & outreach	<input checked="" type="checkbox"/>	Construction site runoff controls
<input type="checkbox"/>	Public participation & involvement	<input checked="" type="checkbox"/>	Post-construction stormwater management
<input type="checkbox"/>	Illicit discharge detection & elimination	<input type="checkbox"/>	Pollution prevention/Good housekeeping

BMP Title:

Development and Implementation of Structural and/or Non-structural BMP's

BMP Description:

Currently, the City requires outlet structure stabilization within the standard specifications for construction including but not limited to tie-rods, silt fence, stabilization sodding or seeding, Class II or III rip-rap or other measures as appropriate. The City will continue to include this BMP during construction to reduce slope erosion and outlet failure. More detail on these measures is included in additional BMP's.

Measurable Goals:

- Number of structures stabilized

Timeline / Implementation Schedule:

- On-going

Specific Components & Notes (optional):

- Class II or III rip-rap
- Tie-rods
- Stabilization sodding or seeding
- Silt fence

Responsible Person for this BMP

Name: David Berkowitz
 Title: Director of Public Works/City Engineer
 Phone: 763-755-5100
 E-mail: d.berkowitz@andovermn.gov

Responsible Department or Organization

Dept. or Org.: Engineering
 Dept. Head: David Berkowitz
 Phone:
 E-mail:

Educational components related to this BMP (description or number – optional):

BMP Description Sheet

MS4 Name: City of Andover

Unique Identifying Number: 5.D

Minimum Control Measures Addressed by This BMP

<input type="checkbox"/> Public education & outreach <input type="checkbox"/> Public participation & involvement <input type="checkbox"/> Illicit discharge detection & elimination	<input type="checkbox"/> Construction site runoff controls <input checked="" type="checkbox"/> Post-construction stormwater management <input type="checkbox"/> Pollution prevention/Good housekeeping
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BMP Title:

Surface Water Management Plan (SWMP)

BMP Description:

The City of Andover has a Surface Water Management Plan (formerly Water Resource Management Plan) to comply with State and Watershed District requirements, which identifies the specific components listed below. The City will continue to update the plan as needed.

Measurable Goals:

- Completed SWMP for Andover
- Number of projects that incorporate volume reductions strategies

Timeline / Implementation Schedule:

- On-going
- Last updated June 2015

Specific Components & Notes (optional):

- Geology and soil types
 - City is a part of Anoka Sandplain, which has above average infiltration rates
- Water resources
- Sensitive resources
- Wetland inventory
- Water quality goals
- Land uses
- Load reduction and volume management techniques (LID)
- SWPPP Summary, full SWPPP and ERP's

Responsible Person for this BMP

Responsible Department or Organization

Name: David Berkowitz

Dept. or Org.: Engineering

Title: Director of Public Works/City Engineer

Dept. Head: David Berkowitz

Phone: 763-755-5100

Phone:

E-mail: d.berkowitz@andovermn.gov

E-mail:

Educational components related to this BMP (description or number – optional):

BMP Description Sheet

MS4 Name: City of Andover

Unique Identifying Number: 5.E

Minimum Control Measures Addressed by This BMP

<input type="checkbox"/>	Public education & outreach	<input checked="" type="checkbox"/>	Construction site runoff controls
<input type="checkbox"/>	Public participation & involvement	<input checked="" type="checkbox"/>	Post-construction stormwater management
<input type="checkbox"/>	Illicit discharge detection & elimination	<input type="checkbox"/>	Pollution prevention/Good housekeeping

BMP Title:
Buffer Strip Ordinance

BMP Description:
The City of Andover currently operates under a Buffer Strip Ordinance requiring a 16½ foot vegetated buffer for wetland protection. Staff works with the local watershed districts to ensure proper compliance. Staff also educates residents about the importance of buffer strips along wetlands.

Measurable Goals:

- Number of inquiries about improvements proposed to be along wetlands
- Number of violations

Timeline / Implementation Schedule:

- On-going

Specific Components & Notes (optional):

- Buffer Strip Ordinance

Responsible Person for this BMP	Responsible Department or Organization
Name: David Berkowitz	Dept. or Org.: Engineering
Title: Director of Public Works/City Engineer	Dept. Head: David Berkowitz
Phone: 763-755-5100	Phone:
E-mail: d.berkowitz@andovermn.gov	E-mail:

Educational components related to this BMP (description or number – optional):

BMP Description Sheet

MS4 Name: City of Andover

Unique Identifying Number: 5.F

Minimum Control Measures Addressed by This BMP

<input type="checkbox"/>	Public education & outreach	<input checked="" type="checkbox"/>	Construction site runoff controls
<input type="checkbox"/>	Public participation & involvement	<input checked="" type="checkbox"/>	Post-construction stormwater management
<input type="checkbox"/>	Illicit discharge detection & elimination	<input type="checkbox"/>	Pollution prevention/Good housekeeping

BMP Title:

Stabilization Sodding or Seeding

BMP Description:

Currently the City of Andover requires proper sodding or seeding consistent with the provisions within the Subdivision and Lawn Requirement Ordinances. The City will continue to enforce this requirement to ensure timely vegetative cover after soil disturbance to stabilize the surfaces and limit or prevent erosion and or deposition. City staff ensures that all new construction projects are properly vegetated during the formal "grading inspection," which is typically done prior to issuance of the Certificate of Occupancy (CO). Generally, CO's are not issued until this requirement has been satisfied.

Measurable Goals:

- Number of grading inspections
- Number of violations to sodding or seeding provision
- Number and types of enforcement actions

Timeline / Implementation Schedule:

- On-going

Specific Components & Notes (optional):

- Seed mix design consistent with State Department of Transportation Standard Specifications
- Growing season determination for proper seeding schedules
- Seed certification requirements
- Installation requirement
- Alternative landscaping (incorporation of native plantings)

Responsible Person for this BMP

Responsible Department or Organization

Name: Fred Patch

Dept. or Org.: Building

Title: Building Official

Dept. Head: Fred Patch

Phone: 763-755-5100

Phone:

E-mail: f.patch@andovermn.gov

E-mail:

Educational components related to this BMP (description or number – optional):

BMP Description Sheet

MS4 Name: City of Andover

Unique Identifying Number: 5b-1, 5c-1

Minimum Control Measures Addressed by This BMP

<input type="checkbox"/>	Public education & outreach	<input type="checkbox"/>	Construction site runoff controls
<input type="checkbox"/>	Public participation & involvement	<input checked="" type="checkbox"/>	Post-construction stormwater management
<input type="checkbox"/>	Illicit discharge detection & elimination	<input type="checkbox"/>	Pollution prevention/Good housekeeping

BMP Title:

Regulatory Mechanism to Address Post Construction Runoff from New Development and Redevelopment/Long-term Operation and Maintenance of BMP's

BMP Description:

Currently, the City has post-construction control regulations and policies in place through the City's Surface Water Management Plan (SWMP) and Coon Creek Watershed District (CCWD) and Lower Rum River Watershed Management Organization (LRRWMO) to ensure effective long-term water quality conditions. The City's SWMP is an enforceable policy approved by the City Council. Also, the City performs necessary inspections and maintenance to its public infrastructure to ensure their proper working condition and to help keep water bodies clean (see BMP's under MCM 6). Additional details will be provided in BMP 4a-1, 4b-1. The City has a storm water utility fee established to help fund repairs and improvements and procedures in place to ensure long-term operation and maintenance of BMP's installed to address post-construction runoff. Practices that incorporate LID to reduce volume and encourage infiltration will be a part of updated version of SWMP and revisions to the City's ordinances as necessary. In addition, the City will evaluate the benefits of requiring developers and builders to submit a soil management plan prior to plan or permit approval and adopt such a requirement if determined feasible and practical.

Measurable Goals:

- Water quality standards met through provisions of SWMP
- Number of projects incorporating volume reduction strategies.

Timeline / Implementation Schedule:

- On-going

Specific Components & Notes (optional):

- Surface Water Management Plan

Responsible Person for this BMP

Name: David Berkowitz
 Title: Director of Public Works/City Engineer
 Phone: 763-755-5100
 E-mail: d.berkowitz@andovermn.gov

Responsible Department or Organization

Dept. or Org.: Engineering
 Dept. Head: David Berkowitz
 Phone:
 E-mail:

Educational components related to this BMP (description or number – optional):

BMP Description Sheet

MS4 Name: City of Andover

Unique Identifying Number: 6.A.1

Minimum Control Measures Addressed by This BMP

<input checked="" type="checkbox"/>	Public education & outreach	<input type="checkbox"/>	Construction site runoff controls
<input checked="" type="checkbox"/>	Public participation & involvement	<input type="checkbox"/>	Post-construction stormwater management
<input checked="" type="checkbox"/>	Illicit discharge detection & elimination	<input checked="" type="checkbox"/>	Pollution prevention/Good housekeeping

BMP Title:

Park and Open Space Fertilizer/Chemical Application Licensing Program

BMP Description:

The City of Andover controls fertilizer and pesticide/herbicide applications. The City will ensure contracted employees are licensed and the applications are performed responsibly.

Measurable Goals:

- Number of licensed contractors

Timeline / Implementation Schedule:

- On-going

Specific Components & Notes (optional):

- Fertilizer application training
- Pesticide/herbicide application training

Responsible Person for this BMP

Name: Kevin Starr
 Title: Parks Department Supervisor
 Phone: 763-767-5177
 E-mail: k.starr@andovermn.gov

Responsible Department or Organization

Dept. or Org.: Public Works
 Dept. Head: David Berkowitz
 Phone: 763-755-5100
 E-mail: d.berkowitz@andovermn.gov

Educational components related to this BMP (description or number – optional):

- The audience or audiences involved: See “Description”
- Education goals for each audience in terms of increased awareness, increased understanding, acquired skills, and/or desired changes in behavior: See “Description”
- Activities used to reach educational goals for each audience: See “Specific Components”
- Activity implementation plans, including responsible department in charge, entities responsible for given activities, and schedules: See “Responsible Person”, “Responsible Department” and “Timeline”
- Available performance measures that can be used to determine success in reaching education goals: See “Measurable Goals”

BMP Description Sheet

MS4 Name: City of Andover

Unique Identifying Number: 6a-1

Minimum Control Measures Addressed by This BMP

<input checked="" type="checkbox"/> Public education & outreach <input type="checkbox"/> Public participation & involvement <input checked="" type="checkbox"/> Illicit discharge detection & elimination	<input type="checkbox"/> Construction site runoff controls <input type="checkbox"/> Post-construction stormwater management <input checked="" type="checkbox"/> Pollution prevention/Good housekeeping
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BMP Title:

Municipal Operations and Maintenance Program

BMP Description:

The City of Andover presently provides fleet maintenance inspections and training. The Vehicle Maintenance Department annually inspects all of its fleet and provides necessary maintenance. Building maintenance is contracted. Hazardous materials are handled by a State Hazmat team. The City will continue training for its employees with regard to municipal operations as needed. More detail on the training component is covered in other BMP's.

Measurable Goals:

- Number of employees trained per year
- Number of vehicles inspected each year

Timeline / Implementation Schedule:

- On-going

Specific Components & Notes (optional):

- Automobile Maintenance Program
 - Vehicle inspection training
 - Vehicle washing training
- Spill clean-up training

Responsible Person for this BMP

Responsible Department or Organization

Name: David Berkowitz	Dept. or Org.: Public Works
Title: Director of Public Works/City Engineer	Dept. Head: David Berkowitz
Phone: 763-755-5100	Phone:
E-mail: d.berkowitz@andovermn.gov	E-mail:

Educational components related to this BMP (description or number – optional):

- The audience or audiences involved: See "Description"
- Education goals for each audience in terms of increased awareness, increased understanding, acquired skills, and/or desired changes in behavior: See "Description"
- Activities used to reach educational goals for each audience: See "Specific Components"
- Activity implementation plans, including responsible department in charge, entities responsible for given activities, and schedules: See "Responsible Person", "Responsible Department" and "Timeline"
- Available performance measures that can be used to determine success in reaching education goals: See "Measurable Goals"

BMP Description Sheet

MS4 Name: City of Andover

Unique Identifying Number: 6.A.3

Minimum Control Measures Addressed by This BMP

<input checked="" type="checkbox"/>	Public education & outreach	<input type="checkbox"/>	Construction site runoff controls
<input type="checkbox"/>	Public participation & involvement	<input type="checkbox"/>	Post-construction stormwater management
<input checked="" type="checkbox"/>	Illicit discharge detection & elimination	<input checked="" type="checkbox"/>	Pollution prevention/Good housekeeping

BMP Title:

Storm Water System Maintenance Training Program

BMP Description:

The City of Andover presently provides storm water system maintenance training to its employees in the Public Works Utilities Department. The program focuses on the components listed below. The City will continue to train employees on proper maintenance of the storm sewer system.

Measurable Goals:

- Number of employees trained per year

Timeline / Implementation Schedule:

- On-going

Specific Components & Notes (optional):

- Parking Lot and Street Cleaning
- Storm Drain System Cleaning

Responsible Person for this BMP

Name: Brian Kraabel
 Title: Public Utilities Supervisor
 Phone: 763-767-5180
 E-mail: b.kraabel@andovermn.gov

Responsible Department or Organization

Dept. or Org.: Public Works
 Dept. Head: David Berkowitz
 Phone: 763-755-5100
 E-mail: d.berkowitz@andovermn.gov

Educational components related to this BMP (description or number – optional):

- The audience or audiences involved: See “Description”
- Education goals for each audience in terms of increased awareness, increased understanding, acquired skills, and/or desired changes in behavior: See “Description”
- Activities used to reach educational goals for each audience: See “Specific Components”
- Activity implementation plans, including responsible department in charge, entities responsible for given activities, and schedules: See “Responsible Person”, “Responsible Department” and “Timeline”
- Available performance measures that can be used to determine success in reaching education goals: See “Measurable Goals”

BMP Description Sheet

MS4 Name: City of Andover

Unique Identifying Number: 6.A.4

Minimum Control Measures Addressed by This BMP

<input type="checkbox"/> Public education & outreach <input type="checkbox"/> Public participation & involvement <input checked="" type="checkbox"/> Illicit discharge detection & elimination	<input type="checkbox"/> Construction site runoff controls <input type="checkbox"/> Post-construction stormwater management <input checked="" type="checkbox"/> Pollution prevention/Good housekeeping
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BMP Title:

Automobile Maintenance Program

BMP Description:

The City of Andover currently operates an Automobile Maintenance Program, which requires inspection, corrective actions and employee training. The City plans to continue with the program and report the percentage of vehicles inspected and the number of employees trained in proper procedures.

Measurable Goals:

- Number of vehicles in fleet inspected each year
- Number of employees trained per year in vehicle maintenance and reporting procedures within the Fleet Maintenance Training Program

Timeline / Implementation Schedule:

- On-going
- Training done every other year

Specific Components & Notes (optional):

- Vehicle washing procedures
- Maintenance intervals
- Fuel conservation
- Inspection requirements and checklists
- Documenting and reporting procedures
- Fleet and Building Inspection and Maintenance Training Program

Responsible Person for this BMP

Responsible Department or Organization

Name: David Berkowitz

Dept. or Org.: Public Works

Title: Director of Public Works/City Engineer

Dept. Head: David Berkowitz

Phone: 763-755-5100

Phone:

E-mail: d.berkowitz@andovermn.gov

E-mail:

Educational components related to this BMP (description or number – optional):

- The audience or audiences involved: See “Description”

BMP Description Sheet

MS4 Name: City of Andover

Unique Identifying Number: 6a-2

Minimum Control Measures Addressed by This BMP

<input type="checkbox"/> Public education & outreach	<input type="checkbox"/> Construction site runoff controls
<input type="checkbox"/> Public participation & involvement	<input type="checkbox"/> Post-construction stormwater management
<input checked="" type="checkbox"/> Illicit discharge detection & elimination	<input checked="" type="checkbox"/> Pollution prevention/Good housekeeping

BMP Title:

Parking Lot and Street Cleaning

BMP Description:

The City of Andover currently uses three City owned mechanical street sweepers to remove sediment and debris from the road surface within the jurisdiction and minimize the amount received by the storm sewer system. The City plans to continue to use the current system of street and City parking lot sweeping which involves training, storage, disposal and sweeping schedules.

Measurable Goals:

- Number of employees trained per year
- Number of lane miles swept
- Number of parking lots swept

Timeline / Implementation Schedule:

- On-going
- All city streets swept twice each year

Specific Components & Notes (optional):

- Sweeping schedule
- Location of disposal pile
- Sweeper maintenance schedule

Responsible Person for this BMP

Responsible Department or Organization

Name: Mark Becker

Dept. or Org.: Public Works

Title: Streets Dept. Supervisor

Dept. Head: David Berkowitz

Phone: 763-767-5178

Phone: 763-755-5100

E-mail: m.becker@andovermn.gov

E-mail: d.berkowitz@andovermn.gov

Educational components related to this BMP (description or number – optional):

BMP Description Sheet

MS4 Name: City of Andover

Unique Identifying Number: 6.B.2

Minimum Control Measures Addressed by This BMP

<input type="checkbox"/>	Public education & outreach	<input type="checkbox"/>	Construction site runoff controls
<input type="checkbox"/>	Public participation & involvement	<input type="checkbox"/>	Post-construction stormwater management
<input checked="" type="checkbox"/>	Illicit discharge detection & elimination	<input checked="" type="checkbox"/>	Pollution prevention/Good housekeeping

BMP Title:

Storm Drain System Cleaning

BMP Description:

The City of Andover currently operates a sewer cleaning truck (Vac truck) to clean out catchbasin sumps and remove debris from the storm sewer lines as needed. Historically, the City is broken down into zones and they are done on a rotating basis, but the City will adjust schedule based on priority areas (see 6b-2 through 6b-7 for additional details).

Measurable Goals:

- Number of sumps cleaned each year
- Miles of storm sewer pipe cleaned each year

Timeline / Implementation Schedule:

- On-going
- Maintenance schedules adjusted accordingly

Specific Components & Notes (optional):

- Storm Sewer System Maintenance Training Program
- Storm sewer and sump cleaning schedule
- Storm sewer system map
- Sewer cleaning truck maintenance schedule
- Storm sewer inspection program

Responsible Person for this BMP

Responsible Department or Organization

Name: Brian Kraabel

Dept. or Org.: Public Works

Title: Public Utilities Supervisor

Dept. Head: David Berkowitz

Phone: 763-767-5180

Phone: 763-755-5100

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E-mail: d.berkowitz@andovermn.gov

Educational components related to this BMP (description or number – optional):

BMP Description Sheet

MS4 Name: City of Andover

Unique Identifying Number: 6.B.3

Minimum Control Measures Addressed by This BMP

<input type="checkbox"/>	Public education & outreach	<input type="checkbox"/>	Construction site runoff controls
<input type="checkbox"/>	Public participation & involvement	<input type="checkbox"/>	Post-construction stormwater management
<input checked="" type="checkbox"/>	Illicit discharge detection & elimination	<input checked="" type="checkbox"/>	Pollution prevention/Good housekeeping

BMP Title:

Road Salt Materials Management Program

BMP Description:

The City of Andover will develop a program to track the amount of road salt applied during an annual reporting cycle. The City will evaluate the application rates and compare them to industry standards and adjust the applications as needed.

Measurable Goals:

- Amount of road salt applied each year
- Number of employees trained per year in road salt management and application rates

Timeline / Implementation Schedule:

- On-going

Specific Components & Notes (optional):

- Storm Sewer System Maintenance Training Program
- Documentation of the amount of road salt applied at the end of each day
- Pre-wet applications (when applicable)

Responsible Person for this BMP	Responsible Department or Organization
Name: Mark Becker	Dept. or Org.: Public Works
Title: Streets Dept. Supervisor	Dept. Head: David Berkowitz
Phone: 763-767-5178	Phone: 763-755-5100
E-mail: m.becker@andovermn.gov	E-mail: d.berkowitz@andovermn.gov

Educational components related to this BMP (description or number – optional):

BMP Description Sheet

MS4 Name: City of Andover

Unique Identifying Number: 6b-2 through 6b-7

Minimum Control Measures Addressed by This BMP

<input type="checkbox"/>	Public education & outreach	<input type="checkbox"/>	Construction site runoff controls
<input type="checkbox"/>	Public participation & involvement	<input type="checkbox"/>	Post-construction stormwater management
<input checked="" type="checkbox"/>	Illicit discharge detection & elimination	<input checked="" type="checkbox"/>	Pollution prevention/Good housekeeping

BMP Title:

Inspection of All Structural Pollution Control Devices/Inspection of a Minimum of 20% of Outfalls, Sediment Basins and Ponds Each Year on a Rotating Basis/Annual Inspection of All Exposed Stockpile, Storage and Material Handling Areas/Inspection Follow-Up/Record Recording and Retention of All Inspections and Responses to the Inspections/Evaluation of Inspections Frequency

BMP Description:

The City of Andover will inspect a minimum 20% of the outfalls, sediment basins and ponds and pollution control devices such as trap manholes, grit chambers, sumps, floatable skimmers, traps and separators each year. Historically, the City had been broken down into zones and they were done on a rotating basis. However, it will adjust its inspection/maintenance program based on “priority areas” and their findings (details below). The City will also inspect all exposed stockpile, storage and material handling areas on an annual basis, and develop a program to determine if additional BMP’s are needed to reduce pollutants into the storm sewer system. Accurate, detailed records will be kept consistent with permit requirements, and new software (Mapfeeder), will eventually be utilized by timeline below.

Measurable Goals:

- Number of municipal utilities inspected and maintained each year

Timeline / Implementation Schedule:

- On-going
- Transition entire program to Mapfeeder by January 2017

Specific Components & Notes (optional):

- Storm sewer system map
- Storm Water System Maintenance Training Program
- Documented photos of inspections
- Detailed and thorough record-keeping
- Priority areas selected based on criteria including but not limited to: location, water body, type of PCD (if any), amount of sediment/organic material detected during inspection, etc.
- GPS unit for inspections
- Transition to mapfeeder for improved program
- Audit report from August 28, 2015

Responsible Person for this BMP

Responsible Department or Organization

Name: Brian Kraabel

Dept. or Org.: Public Works

Title: Public Utilities Supervisor

Dept. Head: David Berkowitz

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E-mail: d.berkowitz@andovermn.gov

BMP Description Sheet

MS4 Name: City of Andover

Unique Identifying Number: 6.C.1

Minimum Control Measures Addressed by This BMP

<input type="checkbox"/> Public education & outreach <input type="checkbox"/> Public participation & involvement <input checked="" type="checkbox"/> Illicit discharge detection & elimination	<input type="checkbox"/> Construction site runoff controls <input type="checkbox"/> Post-construction stormwater management <input checked="" type="checkbox"/> Pollution prevention/Good housekeeping
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BMP Title:

Wellhead Protection Plan

BMP Description:

The City of Andover is currently in the process of updating its Wellhead Protection Plan to protect areas identified as vulnerable. The plan will identify BMP's to prevent high vulnerable wells from possible wellhead contaminants. The City has a map of these sources as well. The City is working with a consultant and utilizing the Minnesota Department of Health (MDH) for guidance in preparing the updated plan.

Measurable Goals:

- Adequate protection of drinking water from storm water discharges

Timeline / Implementation Schedule:

- Wellhead Protection Plan to be completed and approved by the MDH by June 2017
- On-going

Specific Components & Notes (optional):

Responsible Person for this BMP

Name: David Berkowitz
 Title: Director of Public Works/City Engineer
 Phone: 763-755-5100
 E-mail: d.berkowitz@andovermn.gov

Responsible Department or Organization

Dept. or Org.: Engineering
 Dept. Head: David Berkowitz
 Phone:
 E-mail:

Educational components related to this BMP (description or number – optional):

BMP Description Sheet

MS4 Name: City of Andover

Unique Identifying Number: 6.C.2

Minimum Control Measures Addressed by This BMP

<input type="checkbox"/>	Public education & outreach	<input type="checkbox"/>	Construction site runoff controls
<input type="checkbox"/>	Public participation & involvement	<input type="checkbox"/>	Post-construction stormwater management
<input checked="" type="checkbox"/>	Illicit discharge detection & elimination	<input checked="" type="checkbox"/>	Pollution prevention/Good housekeeping

BMP Title:

Nondegradation for Selected MS4s/Discharge to Waters with Restricted Discharges Assessment and Proposed Changes

BMP Description:

The City of Andover will prepare a loading assessment, a nondegradation report, follow the public participation requirements, meet with the MPCA, make necessary modifications to the SWPPP and follow all of the necessary steps to meet the deadlines and requirements set forth under Part X. Appendix D and Part XI Appendix E of the General Permit.

The City will follow the provisions set forth under part IX.B.2.c of the permit as well, as it has a water body (the Rum River) with restricted discharges. The City will work with the PCA as needed. This requirement will be met through the non-degradation process.

Measurable Goals:

- Satisfy the requirements set forth by the General Permit and MPCA
- Continue to educate all audiences and improve the quality and lower the quantity of storm water runoff

Timeline / Implementation Schedule:

- The City will prepare and submit the required materials listed under Part X. Appendix D, item E by December 1, 2007
- The City will respond to and coordinate with the MPCA, during the review, notice and preliminary determination processes
- The City will modify the SWPPP, as per the approved modifications to meet the permit requirements in a timely manner
- Discharge to Waters with Restricted Discharges Assessment and Proposed Changes by December 1, 2007

Specific Components & Notes (optional):

Responsible Person for this BMP

Name: David Berkowitz
 Title: Director of Public Works/City Engineer
 Phone: 763-755-5100
 E-mail: d.berkowitz@andovermn.gov

Responsible Department or Organization

Dept. or Org.: Engineering
 Dept. Head: David Berkowitz
 Phone:
 E-mail:

Educational components related to this BMP (description or number – optional):

BMP Description Sheet

MS4 Name: City of Andover

Unique Identifying Number: 6.C.3

Minimum Control Measures Addressed by This BMP

<input type="checkbox"/> X	<input type="checkbox"/> X
Public education & outreach	Construction site runoff controls
Public participation & involvement	Post-construction stormwater management
Illicit discharge detection & elimination	Pollution prevention/Good housekeeping

BMP Title:

Impaired Waters Review Process (Total Maximum Daily Load (TMDL))

BMP Description:

The City of Andover will work with the LGU (Coon Creek Watershed District and Lower Rum River Watershed Management Organization) to review all discharges to impaired waters, as defined by the current USEPA approved 303(d) list and go through a process and develop a plan to minimize the impacts. The City and LGU will follow all required steps under TMDL rules and meet all timelines. This plan is outlined below.

Measurable Goals:

- Identify and inventory the impaired waters that are likely to be impacted by stormwater discharges;
- Use the storm sewer system map and field surveys to identify all potential discharges to applicable waters and determine associated watershed boundaries;
- Evaluate the hydrology, land use and other characteristics of the watershed areas that may impact the impaired waters; and
- Formulate a plan to minimize the impact of the discharges, which depending on the outcome of the review, will include a narrative summary, additional BMP's and/or a SWPPP modification.

Timeline / Implementation Schedule:

- December 2008: evaluation analyzing LGU's current status;
- December 2008: identify impaired waters and locate problematic discharge locations;
- December 2008: delineate associated watershed(s);
- April 2009: develop map showing discharges;
- February 2010: hydrology and land use evaluation, narrative summary and SWPPP modifications and additions.
- February 2016: wait on additional direction from MPCA.

Specific Components & Notes (optional):

The City of Andover, with assistance from the LGU, agrees to comply with all limits and requirements set forth in the TMDL in accordance with the schedule outlined in the TMDL and MS4 Permit.

Responsible Person for this BMP

Name: David Berkowitz
 Title: Director of Public Works/City Engineer
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Responsible Department or Organization

Dept. or Org.: Engineering
 Dept. Head: David Berkowitz
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 E-mail: