



**Apple
Valley**

MS4 Permit Summary Sheets
Last Rev. 7/26/2007

BMP Summary Sheet

MS4 Name: City of Apple Valley

Minimum Control Measure: 1-PUBLIC EDUCATION AND OUTREACH

Unique BMP Identification Number: 1a-1

***BMP Title:** Distribute Educational Materials

***BMP Description:**

- BMP 1-1: Quarterly Newsletter
- BMP 1-2: Stormwater Outreach Education/Presentations
- BMP 1-3: 30-day public notice for annual storm water meeting
- BMP 1-4: City website-Storm water information
- BMP 1-5: Stormwater Brochures/Flyers
- BMP 1-6: Pet waste signage in Parks
- BMP 1-7: "Apple Valley Today"-Television Broadcast
- BMP 2-1: Storm Drain Stenciling Program
- BMP 2-3: Annual Storm Water Public Meeting
- BMP 2-4: Storm Water Informational Booth

Location(s) in SWPPP of detailed information relating to this BMP:

BMP 1-1, 1-2, 1-3, 1-4, 1-5, 1-6, 1-7, 2-1, 2-3, 2-4 descriptions in the SWPPP provide more detail regarding information for each minimum control measure.

***Measurable Goals:**

BMP 1-1: Quarterly Newsletter

- Number of educational stormwater articles
- Number of times the newsletter is sent out to the public

BMP 1-2: Stormwater Outreach Education/Presentations

- Number of presentations conducted
- Number of partnership activities conducted
- Conduct two ESC workshops during the permit term

BMP 1-3: 30-day public notice for annual storm water meeting

- Completed public notice requirement
- Number of locations notice is posted

BMP 1-4: City website-Storm water information

- 2006: Active storm water information on website
- Number of storm water articles/postings on website

BMP 1-5: Stormwater Brochures/Flyers

- Number of storm water brochures types distributed and available
- Number of places brochures are available
- Number of flyers/letters sent to contractors/developers for ESC.

BMP 1-6: Pet waste signage in Parks

- Number of signs posted in parks

BMP 1-7: "Apple Valley Today"-Television Broadcast

- Number of storm water related segments aired.

BMP 2-1: Storm Drain Stenciling Program

- Number of storm drains stenciled
- Number of castings installed with storm drain logos

BMP 2-3: Annual Storm Water Public Meeting

- Number of attendees

- Number of comments on storm water quantity and/or quality

BMP 2-4: Storm Water Informational Booth

- Number of events booth is displayed
- Number of different types of storm water informational material at booth.

***Timeline/Implementation Schedule:**

BMP 1-1: Quarterly Newsletter

- 2006-2011: Ongoing.

BMP 1-2: Stormwater Outreach Education/Presentations

- 2006-2011: Currently implemented and will continue annually.
- 2006-2011: Conduct two ESC workshops during the permit term

BMP 1-3: 30-day public notice for annual storm water meeting

- 2006-2011: Annually post 30-day public notice for storm water public meeting

BMP 1-4: City website-Storm water information

- 2006: Active storm water information on City website
- 2006-2011: Annually update web page with new information.

BMP 1-5: Stormwater Brochures/Flyers

- 2006-2011: Brochures will be available at city buildings and city sponsored events annually.
- 2006-2011: Annually distribute flyers/letters to active contractors and developers in the spring and fall.

BMP 1-6: Pet waste signage in Parks

- Signs will be posted in problem areas, as they are needed.

BMP 1-7: "Apple Valley Today"-Television Broadcast

- 2006-2011: Annually the City will conduct broadcasts pertaining to storm water issues.

BMP 2-1: Storm Drain Stenciling Program

- 2006-2011: – Annual stenciling by volunteers and contractors

BMP 2-3: Annual Storm Water Public Meeting

- 2006-2011: Meetings will be conducted annually prior to submitting the annual report for the previous calendar year.

BMP 2-4: Storm Water Informational Booth

- 2006-2011: Prepare booth and display annually at events within the community if participation is accepted by event coordinators

Specific Components and Notes:

BMP 1-2: Stormwater Outreach Education/Presentations

- Storm drain stenciling (2-1)

BMP 1-4: City website-Storm water information

- Recycling information
- Code of ordinance accessibility
- Volunteer groups and opportunities
- Construction site ESC BMPs
- Environmentally friendly lawn care practices

BMP 1-7: "Apple Valley Today"-Television Broadcast

- Recycling information
- City pollution prevention/good housekeeping programs
- Volunteer groups and opportunities
- Construction site ESC BMPs and standards
- Environmentally friendly lawn care practices

BMP 2-1: Storm Drain Stenciling Program

- Volunteer stenciling
- Contractor installation of logo casting

BMP 2-3: Annual Storm Water Public Meeting

- 30-day public notice

BMP 2-4: Storm Water Informational Booth

- Storm water brochures and handouts
- Volunteer opportunities

***Responsible Party for this BMP:**

Name: Neal Heuer

Department: Public Works

Phone: (952) 953-2412

E-mail: nheuer@ci.apple-valley.mn.us

**Indicates a REQUIRED field. Failure to complete any required field will result in rejection of the application due to incompleteness.*

BMP Summary Sheet

MS4 Name: City of Apple Valley

Minimum Control Measure: PUBLIC EDUCATION AND OUTREACH

Unique BMP Identification Number: 1b-1

***BMP Title:** Implement an Education Program

***BMP Description:**

- BMP 1-1: Quarterly Newsletter
- BMP 1-2: Stormwater Outreach Education/Presentations
- BMP 1-3: 30-day public notice for annual storm water meeting
- BMP 1-4: City website-Storm water information
- BMP 1-5: Stormwater Brochures/Flyers
- BMP 1-6: Pet waste signage in Parks
- BMP 1-7: "Apple Valley Today"-Television Broadcast
- BMP 2-1: Storm Drain Stenciling Program
- BMP 2-3: Annual Storm Water Public Meeting
- BMP 2-4: Storm Water Informational Booth

Location(s) in SWPPP of detailed information relating to this BMP:

BMP 1-1, 1-2, 1-3, 1-4, 1-5, 1-6, 1-7, 2-1, 2-3, 2-4 descriptions in the SWPPP provide more detail regarding information for each minimum control measure.

***Measurable Goals:**

BMP 1-1: Quarterly Newsletter

- Number of educational stormwater articles
- Number of times the newsletter is sent out to the public

BMP 1-2: Stormwater Outreach Education/Presentations

- Number of presentations conducted
- Number of partnership activities conducted
- Conduct two ESC workshops during the permit term

BMP 1-3: 30-day public notice for annual storm water meeting

- Completed public notice requirement
- Number of locations notice is posted

BMP 1-4: City website-Storm water information

- 2006: Active storm water information on website
- Number of storm water articles/postings on website

BMP 1-5: Stormwater Brochures/Flyers

- Number of storm water brochures types distributed and available
- Number of places brochures are available
- Number of flyers/letters sent to contractors/developers for ESC.

BMP 1-6: Pet waste signage in Parks

- Number of signs posted in parks

BMP 1-7: "Apple Valley Today"-Television Broadcast

- Number of storm water related segments aired.

BMP 2-1: Storm Drain Stenciling Program

- Number of storm drains stenciled
- Number of castings installed with storm drain logos

BMP 2-3: Annual Storm Water Public Meeting

- Number of attendees

- Number of comments on storm water quantity and/or quality

BMP 2-4: Storm Water Informational Booth

- Number of events booth is displayed
- Number of different types of storm water informational material at booth.

***Timeline/Implementation Schedule:**

BMP 1-1: Quarterly Newsletter

- 2006-2011: Ongoing.

BMP 1-2: Stormwater Outreach Education/Presentations

- 2006-2011: Currently implemented and will continue annually.
- 2006-2011: Conduct two ESC workshops during the permit term

BMP 1-3: 30-day public notice for annual storm water meeting

- 2006-2011: Annually post 30-day public notice for storm water public meeting

BMP 1-4: City website-Storm water information

- 2006: Active storm water information on City website
- 2006-2011: Annually update web page with new information.

BMP 1-5: Stormwater Brochures/Flyers

- 2006-2011: Brochures will be available at city buildings and city sponsored events annually.
- 2006-2011: Annually distribute flyers/letters to active contractors and developers in the spring and fall.

BMP 1-6: Pet waste signage in Parks

- Signs will be posted in problem areas, as they are needed.

BMP 1-7: “Apple Valley Today”-Television Broadcast

- 2006-2011: Annually the City will conduct broadcasts pertaining to storm water issues.

BMP 2-1: Storm Drain Stenciling Program

- 2006-2011: – Annual stenciling by volunteers and contractors

BMP 2-3: Annual Storm Water Public Meeting

- 2006-2011: Meetings will be conducted annually prior to submitting the annual report for the previous calendar year.

BMP 2-4: Storm Water Informational Booth

2006-2011: Prepare booth and display annually at events within the community if participation is accepted by event coordinators

Specific Components and Notes:

BMP 1-2: Stormwater Outreach Education/Presentations

- Storm drain stenciling (2-1)

BMP 1-4: City website-Storm water information

- Recycling information
- Code of ordinance accessibility
- Volunteer groups and opportunities
- Construction site ESC BMPs
- Environmentally friendly lawn care practices

BMP 1-7: “Apple Valley Today”-Television Broadcast

- Recycling information
- City pollution prevention/good housekeeping programs
- Volunteer groups and opportunities
- Construction site ESC BMPs and standards
- Environmentally friendly lawn care practices

BMP 2-1: Storm Drain Stenciling Program

- Volunteer stenciling
- Contractor installation of logo casting

BMP 2-3: Annual Storm Water Public Meeting

- 30-day public notice

BMP 2-4: Storm Water Informational Booth

- Storm water brochures and handouts
- Volunteer opportunities

***Responsible Party for this BMP:**

Name: Neal Heuer

Department: Public Works

Phone: (952) 953-2412

E-mail: nheuer@ci.apple-valley.mn.us

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BMP Summary Sheet

MS4 Name: City of Apple Valley

Minimum Control Measure: PUBLIC EDUCATION AND OUTREACH

Unique BMP Identification Number: 1c-1

***BMP Title:** Education Program: Public Education and Outreach

***Audience(s) Involved:**

BMP 1-1: Quarterly Newsletter

- General Public, Developers, Business Owners, Contractors.

BMP 1-2: Stormwater Outreach Education/Presentations

- General Public

BMP 1-3: 30-day public notice for annual storm water meeting

- General Public, developers, business owners, and contractors.

BMP 1-4: City website-Storm water information

- General Public, Business Owners, Developers, and Contractors.

BMP 1-5: Stormwater Brochures/Flyers

- General Public, Business Owners, Developers, and Contractors.

BMP 1-6: Pet waste signage in Parks

- General Public

BMP 1-7: "Apple Valley Today"-Television Broadcast

- General Public, Business Owners, Developers, and Contractors.

BMP 2-1: Storm Drain Stenciling Program

- Contractor and General Public

BMP 2-3: Annual Storm Water Public Meeting

- General Public, Business Owners, Developers, and Contractors

BMP 2-4: Storm Water Informational Booth

- General Public

***Educational Goals for Each Audience:**

BMP 1-1: Quarterly Newsletter

- General public awareness and understanding of the storm water issues and volunteer opportunities.

BMP 1-2: Stormwater Outreach Education/Presentations

- Give the general public awareness and understanding of the storm drain system

BMP 1-3: 30-day public notice for annual storm water meeting

- Give the audience awareness and knowledge of the stormwater meeting date, time, meeting process, and subject.

BMP 1-4: City website-Storm water information

- Give the audience awareness and understanding of the storm water issues, volunteer opportunities, contacts, and regulations.

BMP 1-5: Stormwater Brochures/Flyers

- Provide the audience with alternative lawn care and individual storm water BMP information to increase awareness and knowledge.

BMP 1-6: Pet waste signage in Parks

- Public awareness of City regulation on pet waste management and penalties.

BMP 1-7: "Apple Valley Today"-Television Broadcast

- Provide the audience with awareness and knowledge of storm water issues and city government decisions.

BMP 2-1: Storm Drain Stenciling Program

- Provide the public and contractor with participation and awareness regarding illicit discharge impacts to water quality.

BMP 2-3: Annual Storm Water Public Meeting

- Provide the audience opportunity for oral and written statements concerning the SWPPP.

BMP 2-4: Storm Water Informational Booth

- To provide the public with storm water education material and allow city staff to hear any concerns from residents.

***Activities Used to Reach Educational Goals:**

BMP 1-1: Quarterly Newsletter

A quarterly newsletter is distributed to the public, which includes information regarding volunteer opportunities, proper lawn care practices, recycling opportunities, phone numbers to report illicit discharges or construction site ESC violations, and other stormwater educational material related to each minimum control measure during each year. Articles for posting are determined upon the needs of the City during that time of the year. Additional resources from outside entities will be used whenever possible.

BMP 1-2: Stormwater Outreach Education/Presentations

The City will provide stormwater educational outreach activities such as presentations and partnerships with citizen groups to educate them on local water quality impacts due to urban runoff. The City will continue to encourage these opportunities by personal phone calls, newsletter publications, website postings or any other means available.

The City will also conduct or coordinate an erosion and sediment control workshop to educate developers and contractors on the City minimum BMP standards and regulatory enforcement process. As a goal, the City will conduct two workshops during the permit term.

BMP 1-3: 30-day public notice for annual storm water meeting

The City will post a 30-day public notice prior to the annual storm water meeting (2-3). The meeting will be posted on the website (1-4), City Hall bulletin board, and local newspaper and any additional location the City feels necessary to allow public knowledge of the meeting.

BMP 1-4: City website-Storm water information

City ordinances are currently available on-line for public viewing. The City plans to update any current storm water information on the website annually. Stormwater information is listed below within the specific components. Articles for posting are determined upon the needs of the City. Additional resources from outside entities will be used when possible. At a minimum, the City will provide educational information and links related to each minimum control measure.

BMP 1-5: Stormwater Brochures/Flyers

A variety of storm water brochures are available at City Hall and the Central Maintenance Facility. Also, brochures are provided during events which the City participates to provide support and educational awareness during the year. The brochures provide educational material for proper lawn care practices and awareness of storm water issues. Periodically, the City will review additional information available from outside educational providers to replace or add additional educational brochures relevant to local issues related to urban runoff. Also, each year the City provides active contractors and developers a flyer or letter in the spring and fall as a reminder of the work that must be completed prior to winter conditions or spring runoff.

BMP 1-6: Pet waste signage in Parks

Pet waste signs, which inform the public of the city ordinance requiring proper cleanup of pet waste in public areas, are posted in certain parks within the City.

BMP 1-7: "Apple Valley Today"-Television Broadcast

The City conducts television broadcasts of public meetings and general information on storm water BMPs for

the general viewing public including, but not limited to those listed below in the specific components.

BMP 2-1: Storm Drain Stenciling Program

The City provides material for volunteer storm drain stenciling. During the stenciling procedure, the volunteers also provide educational information to adjacent homes such as door hangers and/or brochures. Also, the City has established a standard for new catchbasins to include a stormwater logo during installation, which provides contractor and public education.

BMP 2-3: Annual Storm Water Public Meeting

The City will conduct an annual storm water meeting to discuss storm water issues and allow public oral and written comments for changes to the SWPPP. The meeting will allow time to make necessary revisions to the SWPPP according to public comment.

BMP 2-4: Storm Water Informational Booth

The City displays a booth at public events throughout the community such as “Earth Day at the Zoo” and the “Home and Garden Show” each year. The booth includes recycling, garbage disposal, and other storm water information for participants to increase their knowledge on storm water runoff. The City will display the booth at public events which allow or invite them.

***Activity Implementation Plan:**

BMP 1-1: Quarterly Newsletter

- 2006-2011: Ongoing.

BMP 1-2: Stormwater Outreach Education/Presentations

- 2006-2011: Currently implemented and will continue annually.
- 2006-2011: Conduct two ESC workshops during the permit term

BMP 1-3: 30-day public notice for annual storm water meeting

- 2006-2011: Annually post 30-day public notice for storm water public meeting

BMP 1-4: City website-Storm water information

- 2006: Active storm water information on City website
- 2006-2011: Annually update web page with new information.

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- 2006-2011: Brochures will be available at city buildings and city sponsored events annually.
- 2006-2011: Annually distribute flyers/letters to active contractors and developers in the spring and fall.

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- Signs will be posted in problem areas, as they are needed.

BMP 1-7: “Apple Valley Today”-Television Broadcast

- 2006-2011: Annually the City will conduct broadcasts pertaining to storm water issues.

BMP 2-1: Storm Drain Stenciling Program

- 2006-2011: – Annual stenciling by volunteers and contractors

BMP 2-3: Annual Storm Water Public Meeting

- 2006-2011: Meetings will be conducted annually prior to submitting the annual report for the previous calendar year.

BMP 2-4: Storm Water Informational Booth

- 2006-2011: Prepare booth and display annually at events within the community if participation is accepted

***Performance Measures:**

BMP 1-1: Quarterly Newsletter

- Number of educational stormwater articles
- Number of times the newsletter is sent out to the public

BMP 1-2: Stormwater Outreach Education/Presentations

- Number of presentations conducted
- Number of partnership activities conducted
- Conduct two ESC workshops during the permit term

BMP 1-3: 30-day public notice for annual storm water meeting

- Completed public notice requirement
- Number of locations notice is posted

BMP 1-4: City website-Storm water information

- 2006: Active storm water information on website
- Number of storm water articles/postings on website

BMP 1-5: Stormwater Brochures/Flyers

- Number of storm water brochures types distributed and available
- Number of places brochures are available
- Number of flyers/letters sent to contractors/developers for ESC.

BMP 1-6: Pet waste signage in Parks

- Number of signs posted in parks

BMP 1-7: "Apple Valley Today"-Television Broadcast

- Number of storm water related segments aired.

BMP 2-1: Storm Drain Stenciling Program

- Number of storm drains stenciled
- Number of castings installed with storm drain logos

BMP 2-3: Annual Storm Water Public Meeting

- Number of attendees
- Number of comments on storm water quantity and/or quality

BMP 2-4: Storm Water Informational Booth

- Number of events booth is displayed
- Number of different types of storm water informational material at booth.

***Responsible Party for this BMP:**

Name: Neal Heuer

Department: Public Works

Phone: (952) 953-2412

E-mail: nheuer@ci.apple-valley.mn.us

**Indicates a REQUIRED field. Failure to complete any required field will result in rejection of the application due to incompleteness.*

BMP Summary Sheet

MS4 Name: City of Apple Valley

Minimum Control Measure: PUBLIC EDUCATION AND OUTREACH

Unique BMP Identification Number: 1c-2

***BMP Title:** Education Program: Public Participation

***Audience(s) Involved:**

BMP 1-1: Quarterly Newsletter

- General Public, Developers, Business Owners, Contractors.

BMP 1-2: Stormwater Outreach Education/Presentations

- General Public

BMP 1-3: 30-day public notice for annual storm water meeting

- General Public, developers, business owners, and contractors.

BMP 1-4: City website-Storm water information

- General Public, Business Owners, Developers, and Contractors.

BMP 1-5: Stormwater Brochures/Flyers

- General Public, Business Owners, Developers, and Contractors.

BMP 1-6: Pet waste signage in Parks

- General Public

BMP 1-7: "Apple Valley Today"-Television Broadcast

- General Public, Business Owners, Developers, and Contractors.

BMP 2-1: Storm Drain Stenciling Program

- Contractor and General Public

BMP 2-3: Annual Storm Water Public Meeting

- General Public, Business Owners, Developers, and Contractors

BMP 2-4: Storm Water Informational Booth

- General Public

***Educational Goals for Each Audience:**

BMP 1-1: Quarterly Newsletter

- General public awareness and understanding of the storm water issues and volunteer opportunities.

BMP 1-2: Stormwater Outreach Education/Presentations

- Give the general public awareness and understanding of the storm drain system

BMP 1-3: 30-day public notice for annual storm water meeting

- Give the audience awareness and knowledge of the stormwater meeting date, time, meeting process, and subject.

BMP 1-4: City website-Storm water information

- Give the audience awareness and understanding of the storm water issues, volunteer opportunities, contacts, and regulations.

BMP 1-5: Stormwater Brochures/Flyers

- Provide the audience with alternative lawn care and individual storm water BMP information to increase awareness and knowledge.

BMP 1-6: Pet waste signage in Parks

- Public awareness of City regulation on pet waste management and penalties.

BMP 1-7: "Apple Valley Today"-Television Broadcast

- Provide the audience with awareness and knowledge of storm water issues and city government decisions.

BMP 2-1: Storm Drain Stenciling Program

- Provide the public and contractor with participation and awareness regarding illicit discharge impacts to water quality.

BMP 2-3: Annual Storm Water Public Meeting

- Provide the audience opportunity for oral and written statements concerning the SWPPP.

BMP 2-4: Storm Water Informational Booth

- To provide the public with storm water education material and allow city staff to hear any concerns from residents.

***Activities Used to Reach Educational Goals:**

BMP 1-1: Quarterly Newsletter

A quarterly newsletter is distributed to the public, which includes information regarding volunteer opportunities, proper lawn care practices, recycling opportunities, phone numbers to report illicit discharges or construction site ESC violations, and other stormwater educational material related to each minimum control measure during each year. Articles for posting are determined upon the needs of the City during that time of the year. Additional resources from outside entities will be used whenever possible.

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BMP 1-3: 30-day public notice for annual storm water meeting

The City will post a 30-day public notice prior to the annual storm water meeting (2-3). The meeting will be posted on the website (1-4), City Hall bulletin board, and local newspaper and any additional location the City feels necessary to allow public knowledge of the meeting.

BMP 1-4: City website-Storm water information

City ordinances are currently available on-line for public viewing. The City plans to update any current storm water information on the website annually. Stormwater information is listed below within the specific components. Articles for posting are determined upon the needs of the City. Additional resources from outside entities will be used when possible. At a minimum, the City will provide educational information and links related to each minimum control measure.

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- 2006-2011: – Annual stenciling by volunteers and contractors

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- 2006-2011: Prepare booth and display annually at events within the community if participation is accepted

***Performance Measures:**

BMP 1-1: Quarterly Newsletter

- Number of educational stormwater articles
- Number of times the newsletter is sent out to the public

BMP 1-2: Stormwater Outreach Education/Presentations

- Number of presentations conducted
- Number of partnership activities conducted
- Conduct two ESC workshops during the permit term

BMP 1-3: 30-day public notice for annual storm water meeting

- Completed public notice requirement
- Number of locations notice is posted

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- 2006: Active storm water information on website
- Number of storm water articles/postings on website

BMP 1-5: Stormwater Brochures/Flyers

- Number of storm water brochures types distributed and available
- Number of places brochures are available
- Number of flyers/letters sent to contractors/developers for ESC.

BMP 1-6: Pet waste signage in Parks

- Number of signs posted in parks

BMP 1-7: "Apple Valley Today"-Television Broadcast

- Number of storm water related segments aired.

BMP 2-1: Storm Drain Stenciling Program

- Number of storm drains stenciled
- Number of castings installed with storm drain logos

BMP 2-3: Annual Storm Water Public Meeting

- Number of attendees
- Number of comments on storm water quantity and/or quality

BMP 2-4: Storm Water Informational Booth

- Number of events booth is displayed
- Number of different types of storm water informational material at booth.

***Responsible Party for this BMP:**

Name: Neal Heuer

Department: Public Works

Phone: (952) 953-2412

E-mail: nheuer@ci.apple-valley.mn.us

**Indicates a REQUIRED field. Failure to complete any required field will result in rejection of the application due to incompleteness.*

BMP Summary Sheet

MS4 Name: City of Apple Valley

Minimum Control Measure: PUBLIC EDUCATION AND OUTREACH

Unique BMP Identification Number: 1c-3

***BMP Title:** Education Program: Illicit Discharge Detection and Elimination

***Audience(s) Involved:**

BMP 1-1: Quarterly Newsletter

- General Public, Developers, Business Owners, Contractors.

BMP 1-2: Stormwater Outreach Education/Presentations

- General Public

BMP 1-3: 30-day public notice for annual storm water meeting

- General Public, developers, business owners, and contractors.

BMP 1-4: City website-Storm water information

- General Public, Business Owners, Developers, and Contractors.

BMP 1-5: Stormwater Brochures/Flyers

- General Public, Business Owners, Developers, and Contractors.

BMP 1-6: Pet waste signage in Parks

- General Public

BMP 1-7: "Apple Valley Today"-Television Broadcast

- General Public, Business Owners, Developers, and Contractors.

BMP 2-1: Storm Drain Stenciling Program

- Contractor and General Public

BMP 2-3: Annual Storm Water Public Meeting

- General Public, Business Owners, Developers, and Contractors

BMP 2-4: Storm Water Informational Booth

- General Public

***Educational Goals for Each Audience:**

BMP 1-1: Quarterly Newsletter

- General public awareness and understanding of the storm water issues and volunteer opportunities.

BMP 1-2: Stormwater Outreach Education/Presentations

- Give the general public awareness and understanding of the storm drain system

BMP 1-3: 30-day public notice for annual storm water meeting

- Give the audience awareness and knowledge of the stormwater meeting date, time, meeting process, and subject.

BMP 1-4: City website-Storm water information

- Give the audience awareness and understanding of the storm water issues, volunteer opportunities, contacts, and regulations.

BMP 1-5: Stormwater Brochures/Flyers

- Provide the audience with alternative lawn care and individual storm water BMP information to increase awareness and knowledge.

BMP 1-6: Pet waste signage in Parks

- Public awareness of City regulation on pet waste management and penalties.

BMP 1-7: "Apple Valley Today"-Television Broadcast

- Provide the audience with awareness and knowledge of storm water issues and city government decisions.

BMP 2-1: Storm Drain Stenciling Program

- Provide the public and contractor with participation and awareness regarding illicit discharge impacts to water quality.

BMP 2-3: Annual Storm Water Public Meeting

- Provide the audience opportunity for oral and written statements concerning the SWPPP.

BMP 2-4: Storm Water Informational Booth

- To provide the public with storm water education material and allow city staff to hear any concerns from residents.

***Activities Used to Reach Educational Goals:**

BMP 1-1: Quarterly Newsletter

A quarterly newsletter is distributed to the public, which includes information regarding volunteer opportunities, proper lawn care practices, recycling opportunities, phone numbers to report illicit discharges or construction site ESC violations, and other stormwater educational material related to each minimum control measure during each year. Articles for posting are determined upon the needs of the City during that time of the year. Additional resources from outside entities will be used whenever possible.

BMP 1-2: Stormwater Outreach Education/Presentations

The City will provide stormwater educational outreach activities such as presentations and partnerships with citizen groups to educate them on local water quality impacts due to urban runoff. The City will continue to encourage these opportunities by personal phone calls, newsletter publications, website postings or any other means available.

The City will also conduct or coordinate an erosion and sediment control workshop to educate developers and contractors on the City minimum BMP standards and regulatory enforcement process. As a goal, the City will conduct two workshops during the permit term.

BMP 1-3: 30-day public notice for annual storm water meeting

The City will post a 30-day public notice prior to the annual storm water meeting (2-3). The meeting will be posted on the website (1-4), City Hall bulletin board, and local newspaper and any additional location the City feels necessary to allow public knowledge of the meeting.

BMP 1-4: City website-Storm water information

City ordinances are currently available on-line for public viewing. The City plans to update any current storm water information on the website annually. Stormwater information is listed below within the specific components. Articles for posting are determined upon the needs of the City. Additional resources from outside entities will be used when possible. At a minimum, the City will provide educational information and links related to each minimum control measure.

BMP 1-5: Stormwater Brochures/Flyers

A variety of storm water brochures are available at City Hall and the Central Maintenance Facility. Also, brochures are provided during events which the City participates to provide support and educational awareness during the year. The brochures provide educational material for proper lawn care practices and awareness of storm water issues. Periodically, the City will review additional information available from outside educational providers to replace or add additional educational brochures relevant to local issues related to urban runoff. Also, each year the City provides active contractors and developers a flyer or letter in the spring and fall as a reminder of the work that must be completed prior to winter conditions or spring runoff.

BMP 1-6: Pet waste signage in Parks

Pet waste signs, which inform the public of the city ordinance requiring proper cleanup of pet waste in public areas, are posted in certain parks within the City.

BMP 1-7: "Apple Valley Today"-Television Broadcast

The City conducts television broadcasts of public meetings and general information on storm water BMPs for

the general viewing public including, but not limited to those listed below in the specific components.

BMP 2-1: Storm Drain Stenciling Program

The City provides material for volunteer storm drain stenciling. During the stenciling procedure, the volunteers also provide educational information to adjacent homes such as door hangers and/or brochures. Also, the City has established a standard for new catchbasins to include a stormwater logo during installation, which provides contractor and public education.

BMP 2-3: Annual Storm Water Public Meeting

The City will conduct an annual storm water meeting to discuss storm water issues and allow public oral and written comments for changes to the SWPPP. The meeting will allow time to make necessary revisions to the SWPPP according to public comment.

BMP 2-4: Storm Water Informational Booth

The City displays a booth at public events throughout the community such as “Earth Day at the Zoo” and the “Home and Garden Show” each year. The booth includes recycling, garbage disposal, and other storm water information for participants to increase their knowledge on storm water runoff. The City will display the booth at public events which allow or invite them.

***Activity Implementation Plan:**

BMP 1-1: Quarterly Newsletter

- 2006-2011: Ongoing.

BMP 1-2: Stormwater Outreach Education/Presentations

- 2006-2011: Currently implemented and will continue annually.
- 2006-2011: Conduct two ESC workshops during the permit term

BMP 1-3: 30-day public notice for annual storm water meeting

- 2006-2011: Annually post 30-day public notice for storm water public meeting

BMP 1-4: City website-Storm water information

- 2006: Active storm water information on City website
- 2006-2011: Annually update web page with new information.

BMP 1-5: Stormwater Brochures/Flyers

- 2006-2011: Brochures will be available at city buildings and city sponsored events annually.
- 2006-2011: Annually distribute flyers/letters to active contractors and developers in the spring and fall.

BMP 1-6: Pet waste signage in Parks

- Signs will be posted in problem areas, as they are needed.

BMP 1-7: “Apple Valley Today”-Television Broadcast

- 2006-2011: Annually the City will conduct broadcasts pertaining to storm water issues.

BMP 2-1: Storm Drain Stenciling Program

- 2006-2011: – Annual stenciling by volunteers and contractors

BMP 2-3: Annual Storm Water Public Meeting

- 2006-2011: Meetings will be conducted annually prior to submitting the annual report for the previous calendar year.

BMP 2-4: Storm Water Informational Booth

- 2006-2011: Prepare booth and display annually at events within the community if participation is accepted

***Performance Measures:**

BMP 1-1: Quarterly Newsletter

- Number of educational stormwater articles
- Number of times the newsletter is sent out to the public

BMP 1-2: Stormwater Outreach Education/Presentations

- Number of presentations conducted
- Number of partnership activities conducted
- Conduct two ESC workshops during the permit term

BMP 1-3: 30-day public notice for annual storm water meeting

- Completed public notice requirement
- Number of locations notice is posted

BMP 1-4: City website-Storm water information

- 2006: Active storm water information on website
- Number of storm water articles/postings on website

BMP 1-5: Stormwater Brochures/Flyers

- Number of storm water brochures types distributed and available
- Number of places brochures are available
- Number of flyers/letters sent to contractors/developers for ESC.

BMP 1-6: Pet waste signage in Parks

- Number of signs posted in parks

BMP 1-7: "Apple Valley Today"-Television Broadcast

- Number of storm water related segments aired.

BMP 2-1: Storm Drain Stenciling Program

- Number of storm drains stenciled
- Number of castings installed with storm drain logos

BMP 2-3: Annual Storm Water Public Meeting

- Number of attendees
- Number of comments on storm water quantity and/or quality

BMP 2-4: Storm Water Informational Booth

- Number of events booth is displayed
- Number of different types of storm water informational material at booth.

***Responsible Party for this BMP:**

Name: Neal Heuer

Department: Public Works

Phone: (952) 953-2412

E-mail: nheuer@ci.apple-valley.mn.us

**Indicates a REQUIRED field. Failure to complete any required field will result in rejection of the application due to incompleteness.*

BMP Summary Sheet

MS4 Name: City of Apple Valley

Minimum Control Measure: PUBLIC EDUCATION AND OUTREACH

Unique BMP Identification Number: 1c-4

***BMP Title:** Education Program: Construction Site Run-off Control

***Audience(s) Involved:**

All City of Apple Valley property owners, contractors, city staff and developers conducting land disturbing activities are collectively targeted in the City's education program for construction site run-off control through the following BMPs outlined in the attached SWPPP.

- BMP 1-1: Quarterly Newsletter
- BMP 1-2: Stormwater Outreach Education/Presentations
- BMP 1-4: City website-Storm water information
- BMP 1-5: Stormwater Brochures/Flyers
- BMP 2-3: Annual Storm Water Public Meeting

***Educational Goals for Each Audience:**

Each BMP identified above in the SWPPP indicates the appropriate target audience. As a collective program the following goals have been established for public education of the construction site runoff control program.

Property owners: Awareness of City rules and requirements for construction site runoff control minimum best management practices as implemented; Awareness and knowledge of general impacts from land disturbing activities and reporting procedures for violations of noncompliance through the public comment/compliant process.

Contractors and Developers: Knowledge of minimum best management practices, city rules and requirements.

City staff: Provide training for new construction and land disturbance to increase knowledge of practices to reduce impacts from land disturbing activities.

***Activities Used to Reach Educational Goals:**

BMP 1-1: Quarterly Newsletter

A quarterly newsletter is distributed to the public, which includes information regarding volunteer opportunities, proper lawn care practices, recycling opportunities, phone numbers to report illicit discharges or construction site ESC violations, and other stormwater educational material related to each minimum control measure during each year. Articles for posting are determined upon the needs of the City during that time of the year. Additional resources from outside entities will be used whenever possible.

BMP 1-2: Stormwater Outreach Education/Presentations

The City will provide stormwater educational outreach activities such as presentations and partnerships with citizen groups to educate them on local water quality impacts due to urban runoff. The City will continue to encourage these opportunities by personal phone calls, newsletter publications, website postings or any other means available.

The City will also conduct or coordinate an erosion and sediment control workshop to educate developers and contractors on the City minimum BMP standards and regulatory enforcement process. As a goal, the City will conduct two workshops during the permit term.

BMP 1-4: City website-Storm water information

City ordinances are currently available on-line for public viewing. The City plans to update any current storm

water information on the website annually. Stormwater information is listed below within the specific components. Articles for posting are determined upon the needs of the City. Additional resources from outside entities will be used when possible. At a minimum, the City will provide educational information and links related to each minimum control measure.

BMP 1-5: Stormwater Brochures/Flyers

A variety of storm water brochures are available at City Hall and the Central Maintenance Facility. Also, brochures are provided during events which the City participates to provide support and educational awareness during the year. The brochures provide educational material for proper lawn care practices and awareness of storm water issues. Periodically, the City will review additional information available from outside educational providers to replace or add additional educational brochures relevant to local issues related to urban runoff. Also, each year the City provides active contractors and developers a flyer or letter in the spring and fall as a reminder of the work that must be completed prior to winter conditions or spring runoff.

BMP 2-3: Annual Storm Water Public Meeting

The City will conduct an annual storm water meeting to discuss storm water issues and allow public oral and written comments for changes to the SWPPP. The meeting will allow time to make necessary revisions to the SWPPP according to public comment.

***Activity Implementation Plan:**

BMP 1-1: Quarterly Newsletter

- 2006-2011: Ongoing.

BMP 1-2: Stormwater Outreach Education/Presentations

- 2006-2011: Currently implemented and will continue annually.
- 2006-2011: Conduct two ESC workshops during the permit term

BMP 1-4: City website-Storm water information

- 2006: Active storm water information on City website
- 2006-2011: Annually update web page with new information.

BMP 1-5: Stormwater Brochures/Flyers

- 2006-2011: Brochures will be available at city buildings and city sponsored events annually.
- 2006-2011: Annually distribute flyers/letters to active contractors and developers in the spring and fall.

BMP 2-3: Annual Storm Water Public Meeting

- 2006-2011: Meetings will be conducted annually prior to submitting the annual report for the previous calendar year.

***Performance Measures:**

BMP 1-1: Quarterly Newsletter

- Number of educational stormwater articles
- Number of times the newsletter is sent out to the public

BMP 1-2: Stormwater Outreach Education/Presentations

- Number of presentations conducted
- Number of partnership activities conducted
- Conduct two ESC workshops during the permit term

BMP 1-4: City website-Storm water information

- 2006: Active storm water information on website
- Number of storm water articles/postings on website

BMP 1-5: Stormwater Brochures/Flyers

- Number of storm water brochures types distributed and available
- Number of places brochures are available
- Number of flyers/letters sent to contractors/developers for ESC.

BMP 2-3: Annual Storm Water Public Meeting

- Number of attendees

- Number of comments on storm water quantity and/or quality

***Responsible Party for this BMP:**

Name: Neal Heuer

Department: Public Works

Phone: (952) 953-2412

E-mail: nheuer@ci.apple-valley.mn.us

**Indicates a REQUIRED field. Failure to complete any required field will result in rejection of the application due to incompleteness.*

BMP Summary Sheet

MS4 Name: City of Apple Valley

Minimum Control Measure: PUBLIC EDUCATION AND OUTREACH

Unique BMP Identification Number: 1c-5

***BMP Title:** Education Program: Post-Construction Stormwater Management in New Development and Redevelopment

***Audience(s) Involved:**

BMP 1-1: Quarterly Newsletter

- General Public, Developers, Business Owners, Contractors.

BMP 1-2: Stormwater Outreach Education/Presentations

- General Public

BMP 1-3: 30-day public notice for annual storm water meeting

- General Public, developers, business owners, and contractors.

BMP 1-4: City website-Storm water information

- General Public, Business Owners, Developers, and Contractors.

BMP 1-5: Stormwater Brochures/Flyers

- General Public, Business Owners, Developers, and Contractors.

BMP 1-6: Pet waste signage in Parks

- General Public

BMP 1-7: "Apple Valley Today"-Television Broadcast

- General Public, Business Owners, Developers, and Contractors.

BMP 2-1: Storm Drain Stenciling Program

- Contractor and General Public

BMP 2-3: Annual Storm Water Public Meeting

- General Public, Business Owners, Developers, and Contractors

BMP 2-4: Storm Water Informational Booth

- General Public

***Educational Goals for Each Audience:**

BMP 1-1: Quarterly Newsletter

- General public awareness and understanding of the storm water issues and volunteer opportunities.

BMP 1-2: Stormwater Outreach Education/Presentations

- Give the general public awareness and understanding of the storm drain system

BMP 1-3: 30-day public notice for annual storm water meeting

- Give the audience awareness and knowledge of the stormwater meeting date, time, meeting process, and subject.

BMP 1-4: City website-Storm water information

- Give the audience awareness and understanding of the storm water issues, volunteer opportunities, contacts, and regulations.

BMP 1-5: Stormwater Brochures/Flyers

- Provide the audience with alternative lawn care and individual storm water BMP information to increase awareness and knowledge.

BMP 1-6: Pet waste signage in Parks

- Public awareness of City regulation on pet waste management and penalties.

BMP 1-7: "Apple Valley Today"-Television Broadcast

- Provide the audience with awareness and knowledge of storm water issues and city government decisions.

BMP 2-1: Storm Drain Stenciling Program

- Provide the public and contractor with participation and awareness regarding illicit discharge impacts to water quality.

BMP 2-3: Annual Storm Water Public Meeting

- Provide the audience opportunity for oral and written statements concerning the SWPPP.

BMP 2-4: Storm Water Informational Booth

- To provide the public with storm water education material and allow city staff to hear any concerns from residents.

***Activities Used to Reach Educational Goals:**

BMP 1-1: Quarterly Newsletter

A quarterly newsletter is distributed to the public, which includes information regarding volunteer opportunities, proper lawn care practices, recycling opportunities, phone numbers to report illicit discharges or construction site ESC violations, and other stormwater educational material related to each minimum control measure during each year. Articles for posting are determined upon the needs of the City during that time of the year. Additional resources from outside entities will be used whenever possible.

BMP 1-2: Stormwater Outreach Education/Presentations

The City will provide stormwater educational outreach activities such as presentations and partnerships with citizen groups to educate them on local water quality impacts due to urban runoff. The City will continue to encourage these opportunities by personal phone calls, newsletter publications, website postings or any other means available.

The City will also conduct or coordinate an erosion and sediment control workshop to educate developers and contractors on the City minimum BMP standards and regulatory enforcement process. As a goal, the City will conduct two workshops during the permit term.

BMP 1-3: 30-day public notice for annual storm water meeting

The City will post a 30-day public notice prior to the annual storm water meeting (2-3). The meeting will be posted on the website (1-4), City Hall bulletin board, and local newspaper and any additional location the City feels necessary to allow public knowledge of the meeting.

BMP 1-4: City website-Storm water information

City ordinances are currently available on-line for public viewing. The City plans to update any current storm water information on the website annually. Stormwater information is listed below within the specific components. Articles for posting are determined upon the needs of the City. Additional resources from outside entities will be used when possible. At a minimum, the City will provide educational information and links related to each minimum control measure.

BMP 1-5: Stormwater Brochures/Flyers

A variety of storm water brochures are available at City Hall and the Central Maintenance Facility. Also, brochures are provided during events which the City participates to provide support and educational awareness during the year. The brochures provide educational material for proper lawn care practices and awareness of storm water issues. Periodically, the City will review additional information available from outside educational providers to replace or add additional educational brochures relevant to local issues related to urban runoff. Also, each year the City provides active contractors and developers a flyer or letter in the spring and fall as a reminder of the work that must be completed prior to winter conditions or spring runoff.

BMP 1-6: Pet waste signage in Parks

Pet waste signs, which inform the public of the city ordinance requiring proper cleanup of pet waste in public areas, are posted in certain parks within the City.

BMP 1-7: "Apple Valley Today"-Television Broadcast

The City conducts television broadcasts of public meetings and general information on storm water BMPs for the general viewing public including, but not limited to those listed below in the specific components.

BMP 2-1: Storm Drain Stenciling Program

The City provides material for volunteer storm drain stenciling. During the stenciling procedure, the volunteers also provide educational information to adjacent homes such as door hangers and/or brochures. Also, the City has established a standard for new catchbasins to include a stormwater logo during installation, which provides contractor and public education.

BMP 2-3: Annual Storm Water Public Meeting

The City will conduct an annual storm water meeting to discuss storm water issues and allow public oral and written comments for changes to the SWPPP. The meeting will allow time to make necessary revisions to the SWPPP according to public comment.

BMP 2-4: Storm Water Informational Booth

The City displays a booth at public events throughout the community such as “Earth Day at the Zoo” and the “Home and Garden Show” each year. The booth includes recycling, garbage disposal, and other storm water information for participants to increase their knowledge on storm water runoff. The City will display the booth at public events which allow or invite them.

***Activity Implementation Plan:**

BMP 1-1: Quarterly Newsletter

- 2006-2011: Ongoing.

BMP 1-2: Stormwater Outreach Education/Presentations

- 2006-2011: Currently implemented and will continue annually.
- 2006-2011: Conduct two ESC workshops during the permit term

BMP 1-3: 30-day public notice for annual storm water meeting

- 2006-2011: Annually post 30-day public notice for storm water public meeting

BMP 1-4: City website-Storm water information

- 2006: Active storm water information on City website
- 2006-2011: Annually update web page with new information.

BMP 1-5: Stormwater Brochures/Flyers

- 2006-2011: Brochures will be available at city buildings and city sponsored events annually.
- 2006-2011: Annually distribute flyers/letters to active contractors and developers in the spring and fall.

BMP 1-6: Pet waste signage in Parks

- Signs will be posted in problem areas, as they are needed.

BMP 1-7: “Apple Valley Today”-Television Broadcast

- 2006-2011: Annually the City will conduct broadcasts pertaining to storm water issues.

BMP 2-1: Storm Drain Stenciling Program

- 2006-2011: – Annual stenciling by volunteers and contractors

BMP 2-3: Annual Storm Water Public Meeting

- 2006-2011: Meetings will be conducted annually prior to the submittal of the Annual Report

BMP 2-4: Storm Water Informational Booth

- 2006-2011: Prepare booth and display annually at events within the community if participation is accepted

***Performance Measures:**

BMP 1-1: Quarterly Newsletter

- Number of educational stormwater articles
- Number of times the newsletter is sent out to the public

BMP 1-2: Stormwater Outreach Education/Presentations

- Number of presentations conducted
- Number of partnership activities conducted
- Conduct two ESC workshops during the permit term

BMP 1-3: 30-day public notice for annual storm water meeting

- Completed public notice requirement
- Number of locations notice is posted

BMP 1-4: City website-Storm water information

- 2006: Active storm water information on website
- Number of storm water articles/postings on website

BMP 1-5: Stormwater Brochures/Flyers

- Number of storm water brochures types distributed and available
- Number of places brochures are available
- Number of flyers/letters sent to contractors/developers for ESC.

BMP 1-6: Pet waste signage in Parks

- Number of signs posted in parks

BMP 1-7: "Apple Valley Today"-Television Broadcast

- Number of storm water related segments aired.

BMP 2-1: Storm Drain Stenciling Program

- Number of storm drains stenciled
- Number of castings installed with storm drain logos

BMP 2-3: Annual Storm Water Public Meeting

- Number of attendees
- Number of comments on storm water quantity and/or quality

BMP 2-4: Storm Water Informational Booth

- Number of events booth is displayed
- Number of different types of storm water informational material at booth.

***Responsible Party for this BMP:**

Name: Neal Heuer

Department: Public Works

Phone: (952) 953-2412

E-mail: nheuer@ci.apple-valley.mn.us

**Indicates a REQUIRED field. Failure to complete any required field will result in rejection of the application due to incompleteness.*

BMP Summary Sheet

MS4 Name: City of Apple Valley

Minimum Control Measure: PUBLIC EDUCATION AND OUTREACH

Unique BMP Identification Number: 1c-6

***BMP Title:** Education Program: Pollution Prevention/Good Housekeeping for Municipal Operations

***Audience(s) Involved:**

BMP 1-1: Quarterly Newsletter

- General Public, Developers, Business Owners, Contractors.

BMP 1-2: Stormwater Outreach Education/Presentations

- General Public

BMP 1-3: 30-day public notice for annual storm water meeting

- General Public, developers, business owners, and contractors.

BMP 1-4: City website-Storm water information

- General Public, Business Owners, Developers, and Contractors.

BMP 1-5: Stormwater Brochures/Flyers

- General Public, Business Owners, Developers, and Contractors.

BMP 1-6: Pet waste signage in Parks

- General Public

BMP 1-7: "Apple Valley Today"-Television Broadcast

- General Public, Business Owners, Developers, and Contractors.

BMP 2-1: Storm Drain Stenciling Program

- Contractor and General Public

BMP 2-3: Annual Storm Water Public Meeting

- General Public, Business Owners, Developers, and Contractors

BMP 2-4: Storm Water Informational Booth

- General Public

***Educational Goals for Each Audience:**

BMP 1-1: Quarterly Newsletter

- General public awareness and understanding of the storm water issues and volunteer opportunities.

BMP 1-2: Stormwater Outreach Education/Presentations

- Give the general public awareness and understanding of the storm drain system

BMP 1-3: 30-day public notice for annual storm water meeting

- Give the audience awareness and knowledge of the stormwater meeting date, time, meeting process, and subject.

BMP 1-4: City website-Storm water information

- Give the audience awareness and understanding of the storm water issues, volunteer opportunities, contacts, and regulations.

BMP 1-5: Stormwater Brochures/Flyers

- Provide the audience with alternative lawn care and individual storm water BMP information to increase awareness and knowledge.

BMP 1-6: Pet waste signage in Parks

- Public awareness of City regulation on pet waste management and penalties.

BMP 1-7: "Apple Valley Today"-Television Broadcast

- Provide the audience with awareness and knowledge of storm water issues and city government decisions.

BMP 2-1: Storm Drain Stenciling Program

- Provide the public and contractor with participation and awareness regarding illicit discharge impacts to water quality.

BMP 2-3: Annual Storm Water Public Meeting

- Provide the audience opportunity for oral and written statements concerning the SWPPP.

BMP 2-4: Storm Water Informational Booth

- To provide the public with storm water education material and allow city staff to hear any concerns from residents.

***Activities Used to Reach Educational Goals:**

BMP 1-1: Quarterly Newsletter

A quarterly newsletter is distributed to the public, which includes information regarding volunteer opportunities, proper lawn care practices, recycling opportunities, phone numbers to report illicit discharges or construction site ESC violations, and other stormwater educational material related to each minimum control measure during each year. Articles for posting are determined upon the needs of the City during that time of the year. Additional resources from outside entities will be used whenever possible.

BMP 1-2: Stormwater Outreach Education/Presentations

The City will provide stormwater educational outreach activities such as presentations and partnerships with citizen groups to educate them on local water quality impacts due to urban runoff. The City will continue to encourage these opportunities by personal phone calls, newsletter publications, website postings or any other means available.

The City will also conduct or coordinate an erosion and sediment control workshop to educate developers and contractors on the City minimum BMP standards and regulatory enforcement process. As a goal, the City will conduct two workshops during the permit term.

BMP 1-3: 30-day public notice for annual storm water meeting

The City will post a 30-day public notice prior to the annual storm water meeting (2-3). The meeting will be posted on the website (1-4), City Hall bulletin board, and local newspaper and any additional location the City feels necessary to allow public knowledge of the meeting.

BMP 1-4: City website-Storm water information

City ordinances are currently available on-line for public viewing. The City plans to update any current storm water information on the website annually. Stormwater information is listed below within the specific components. Articles for posting are determined upon the needs of the City. Additional resources from outside entities will be used when possible. At a minimum, the City will provide educational information and links related to each minimum control measure.

BMP 1-5: Stormwater Brochures/Flyers

A variety of storm water brochures are available at City Hall and the Central Maintenance Facility. Also, brochures are provided during events which the City participates to provide support and educational awareness during the year. The brochures provide educational material for proper lawn care practices and awareness of storm water issues. Periodically, the City will review additional information available from outside educational providers to replace or add additional educational brochures relevant to local issues related to urban runoff. Also, each year the City provides active contractors and developers a flyer or letter in the spring and fall as a reminder of the work that must be completed prior to winter conditions or spring runoff.

BMP 1-6: Pet waste signage in Parks

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the general viewing public including, but not limited to those listed below in the specific components.

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The City provides material for volunteer storm drain stenciling. During the stenciling procedure, the volunteers also provide educational information to adjacent homes such as door hangers and/or brochures. Also, the City has established a standard for new catchbasins to include a stormwater logo during installation, which provides contractor and public education.

BMP 2-3: Annual Storm Water Public Meeting

The City will conduct an annual storm water meeting to discuss storm water issues and allow public oral and written comments for changes to the SWPPP. The meeting will allow time to make necessary revisions to the SWPPP according to public comment.

BMP 2-4: Storm Water Informational Booth

The City displays a booth at public events throughout the community such as “Earth Day at the Zoo” and the “Home and Garden Show” each year. The booth includes recycling, garbage disposal, and other storm water information for participants to increase their knowledge on storm water runoff. The City will display the booth at public events which allow or invite them.

***Activity Implementation Plan:**

BMP 1-1: Quarterly Newsletter

- 2006-2011: Ongoing.

BMP 1-2: Stormwater Outreach Education/Presentations

- 2006-2011: Currently implemented and will continue annually.
- 2006-2011: Conduct two ESC workshops during the permit term

BMP 1-3: 30-day public notice for annual storm water meeting

- 2006-2011: Annually post 30-day public notice for storm water public meeting

BMP 1-4: City website-Storm water information

- 2006: Active storm water information on City website
- 2006-2011: Annually update web page with new information.

BMP 1-5: Stormwater Brochures/Flyers

- 2006-2011: Brochures will be available at city buildings and city sponsored events annually.
- 2006-2011: Annually distribute flyers/letters to active contractors and developers in the spring and fall.

BMP 1-6: Pet waste signage in Parks

- Signs will be posted in problem areas, as they are needed.

BMP 1-7: “Apple Valley Today”-Television Broadcast

- 2006-2011: Annually the City will conduct broadcasts pertaining to storm water issues.

BMP 2-1: Storm Drain Stenciling Program

- 2006-2011: – Annual stenciling by volunteers and contractors

BMP 2-3: Annual Storm Water Public Meeting

- 2006-2011: Meetings will be conducted annually prior to completing the annual report for the previous calendar year.

BMP 2-4: Storm Water Informational Booth

- 2006-2011: Prepare booth and display annually at events within the community if participation is accepted

***Performance Measures:**

BMP 1-1: Quarterly Newsletter

- Number of educational stormwater articles
- Number of times the newsletter is sent out to the public

BMP 1-2: Stormwater Outreach Education/Presentations

- Number of presentations conducted
- Number of partnership activities conducted
- Conduct two ESC workshops during the permit term

BMP 1-3: 30-day public notice for annual storm water meeting

- Completed public notice requirement
- Number of locations notice is posted

BMP 1-4: City website-Storm water information

- 2006: Active storm water information on website
- Number of storm water articles/postings on website

BMP 1-5: Stormwater Brochures/Flyers

- Number of storm water brochures types distributed and available
- Number of places brochures are available
- Number of flyers/letters sent to contractors/developers for ESC.

BMP 1-6: Pet waste signage in Parks

- Number of signs posted in parks

BMP 1-7: "Apple Valley Today"-Television Broadcast

- Number of storm water related segments aired.

BMP 2-1: Storm Drain Stenciling Program

- Number of storm drains stenciled
- Number of castings installed with storm drain logos

BMP 2-3: Annual Storm Water Public Meeting

- Number of attendees
- Number of comments on storm water quantity and/or quality

BMP 2-4: Storm Water Informational Booth

- Number of events booth is displayed
- Number of different types of storm water informational material at booth.

***Responsible Party for this BMP:**

Name: Neal Heuer

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BMP Summary Sheet

MS4 Name: City of Apple Valley

Minimum Control Measure: PUBLIC EDUCATION AND OUTREACH

Unique BMP Identification Number: 1d-1

<p>*BMP Title: Coordination of Education Program</p>								
<p>*BMP Description:</p> <p><u>BMP 1-8: Evaluate Additional Educational Materials</u> The City will conduct an annual review research of relevant available educational storm water material, such as those listed within the Specific Components below, from outside entities, including, but not limited to: water conservation districts, watershed districts, watershed management organizations, school districts, University of MN extension and county, regional, state, and federal government. The City will also research materials (if available) to use for in-house training from these entities.</p> <p>Location(s) in SWPPP of detailed information relating to this BMP: The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>								
<p>*Measurable Goals:</p> <p><u>BMP 1-8: Evaluate Additional Educational Materials</u></p> <ul style="list-style-type: none">• Completed annual research for relevant available educational resources• List of materials used from outside entities• Attendance at professional organizational meetings								
<p>*Timeline/Implementation Schedule:</p> <p><u>BMP 1-8: Evaluate Additional Educational Materials</u></p> <ul style="list-style-type: none">• 2006-2011: Continued Solicitation of storm water related materials from outside entities• 2006-2011: Evaluate and edit material if necessary, identify audiences and define measurable goals• 2006-2011: Develop new materials for use by City								
<p>Specific Components and Notes:</p> <p><u>BMP 1-8: Evaluate Additional Educational Materials</u></p> <table><tr><td>Articles</td><td>Newsletters</td></tr><tr><td>Videos</td><td>Brochures</td></tr><tr><td>Special Packets</td><td>Inserts and Displays</td></tr><tr><td>In-house training documents</td><td></td></tr></table>	Articles	Newsletters	Videos	Brochures	Special Packets	Inserts and Displays	In-house training documents	
Articles	Newsletters							
Videos	Brochures							
Special Packets	Inserts and Displays							
In-house training documents								
<p>*Responsible Party for this BMP:</p> <p>Name: Neal Heuer Department: Public Works Phone: (952) 953-2412 E-mail: nheuer@ci.apple-valley.mn.us</p>								

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BMP Summary Sheet

MS4 Name: City of Apple Valley

Minimum Control Measure: PUBLIC EDUCATION AND OUTREACH

Unique BMP Identification Number: 1e-1

<p>*BMP Title: Annual Public Meeting</p>
<p>*BMP Description:</p> <p><u>BMP 2-3: Annual Stormwater Public Meeting</u></p> <p>The City will conduct an annual storm water meeting to discuss storm water issues and allow public oral and written comments for changes to the SWPPP. The meeting will allow time to make necessary revisions to the SWPPP according to public comment.</p> <p>Location(s) in SWPPP of detailed information relating to this BMP: The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<p>*Measurable Goals:</p> <ul style="list-style-type: none">• Number of attendees• Number of comments on storm water quantity and/or quality
<p>*Timeline/Implementation Schedule:</p> <ul style="list-style-type: none">• 2006-2011: Meetings will be conducted annually in December.
<p>Specific Components and Notes:</p> <ul style="list-style-type: none">• 30-day Public Notice
<p>*Responsible Party for this BMP:</p> <p>Name: Neal Heuer Department: Public Works Phone: (952) 953-2412 E-mail: nheuer@ci.apple-valley.mn.us</p>

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BMP Summary Sheet

MS4 Name: City of Apple Valley

Minimum Control Measure: 2-PUBLIC PARTICIPATION/INVOLVEMENT

Unique BMP Identification Number: 2a-1

<p>*BMP Title: Comply with Public Notice Requirements</p>
<p>*BMP Description:</p> <p><u>BMP 1-3: 30-day Public Notice for Annual Stormwater Meeting</u></p> <p>The City will post a 30-day public notice prior to the annual storm water meeting (2-3). The meeting will be posted on the website (1-4), City Hall bulletin board, and local newspaper and any additional location the City feels necessary to allow public knowledge of the meeting.</p> <p>Location(s) in SWPPP of detailed information relating to this BMP: The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<p>*Measurable Goals:</p> <ul style="list-style-type: none">• Completed public notice requirement• Number of locations notice is posted
<p>*Timeline/Implementation Schedule:</p> <ul style="list-style-type: none">• 2006-2011: Annually post 30-day public notice for storm water public meeting
<p>Specific Components and Notes:</p>
<p>*Responsible Party for this BMP:</p> <p>Name: Neal Heuer Department: Public Works Phone: (952) 953-2412 E-mail: nheuer@ci.apple-valley.mn.us</p>

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BMP Summary Sheet

MS4 Name: City of Apple Valley

Minimum Control Measure: 2-PUBLIC PARTICIPATION/INVOLVEMENT

Unique BMP Identification Number: 2b-1

<p>*BMP Title: Solicit Public Input and opinion on the Adequacy of the SWPPP</p>
<p>*BMP Description:</p> <p><u>BMP 1-3: 30-day Public Notice for Annual Stormwater Meeting</u></p> <p>The City will post a 30-day public notice prior to the annual storm water meeting (2-3). The meeting will be posted on the website (1-4), City Hall bulletin board, and local newspaper and any additional location the City feels necessary to allow public knowledge of the meeting.</p> <p>Location(s) in SWPPP of detailed information relating to this BMP: The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<p>*Measurable Goals:</p> <ul style="list-style-type: none">• Completed public notice requirement• Number of locations notice is posted
<p>*Timeline/Implementation Schedule:</p> <ul style="list-style-type: none">• 2006-2011: Annually post 30-day public notice for storm water public meeting
<p>Specific Components and Notes:</p>
<p>*Responsible Party for this BMP:</p> <p>Name: Neal Heuer Department: Public Works Phone: (952) 953-2412 E-mail: nheuer@ci.apple-valley.mn.us</p>

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BMP Summary Sheet

MS4 Name: City of Apple Valley

Minimum Control Measure: 2-PUBLIC PARTICIPATION/INVOLVEMENT

Unique BMP Identification Number: 2c-1

<p>*BMP Title: Consider Public Input</p>
<p>*BMP Description:</p> <p><u>BMP 2-3: Annual Stormwater Public Meeting</u></p> <p>The City will conduct an annual storm water meeting to discuss storm water issues and allow public oral and written comments for changes to the SWPPP. The meeting will allow time to make necessary revisions to the SWPPP according to public comment.</p> <p>Location(s) in SWPPP of detailed information relating to this BMP: The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<p>*Measurable Goals:</p> <ul style="list-style-type: none">• Number of attendees• Number of comments on storm water quantity and/or quality
<p>*Timeline/Implementation Schedule:</p> <ul style="list-style-type: none">• 2006-2011: Meetings will be conducted annually prior to submitting the Annual Report for the previous calendar year.
<p>Specific Components and Notes:</p> <ul style="list-style-type: none">• 30-day Public Notice
<p>*Responsible Party for this BMP:</p> <p>Name: Neal Heuer Department: Public Works Phone: (952) 953-2412 E-mail: nheuer@ci.apple-valley.mn.us</p>

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Additional BMP Summary Sheet

MS4 Name: City of Apple Valley

Minimum Control Measure: 2-PUBLIC PARTICIPATION/INVOLVEMENT

Unique BMP Identification Number: 2d-1

***BMP Title:** Additional Public Participation BMPs

***BMP Description:**

BMP 2-2: Lake Association Weed Control

Lake associations participate in chemical, and mechanical removal and control of exotic species. MnDNR permits are issued for approval of weed control techniques.

BMP 2-4: Storm Water Informational Booth

The City displays a booth at public events throughout the community such as “Earth Day at the Zoo” and the “Home and Garden Show” each year. The booth includes recycling, garbage disposal, and other storm water information for participants to increase their knowledge on storm water runoff. The City will display the booth at public events which allow or invite them.

BMP 2-5: Citizen-Assisted Monitoring Program (CAMP)

The Citizen-Assisted Monitoring Program is a Metropolitan Council initiated program, which allows volunteers to collect surface water samples for analysis. The City pays for the program, gathers volunteers, and collects samples for analysis.

BMP 2-6: Wetland Health Evaluation Program (WHEP)

WHEP is a Dakota County program, which the City participates. Volunteers are coordinated to collect and identify samples and document macroinvertebrate and macrophyte communities observed in a wetland.

BMP 2-7: Household Cleanup Day

The City conducts a Household Cleanup Day to allow the public to dispose of tires, furniture, scrap metal, wood, and other non hazardous waste material. The material is taken by a licensed garbage hauler and disposed in a proper manner.

Location(s) in SWPPP of detailed information relating to this BMP:

The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.

***Measurable Goals:**

BMP 2-2: Lake Association Weed Control

- Number of permits issued by DNR
- Number of lakes weed control took place

BMP 2-4: Storm Water Informational Booth

- Number of events booth is displayed
- Number of different types of storm water informational material at booth.

BMP 2-5: Citizen-Assisted Monitoring Program (CAMP)

- Number of volunteers
- Number of lakes monitored

BMP 2-6: Wetland Health Evaluation Program (WHEP)

- Number of volunteers
- Number of wetlands evaluated

BMP 2-7: Household Cleanup Day

- Completed Household Cleanup Day
- Number of participants

***Timeline/Implementation Schedule:**

BMP 2-2: Lake Association Weed Control

- 2006-2011: Ongoing

BMP 2-4: Storm Water Informational Booth

- 2006-2011: Prepare booth and display annually at events within the community if participation is accepted by event coordinators

BMP 2-5: Citizen-Assisted Monitoring Program (CAMP)

- 2006-2011: Continue monitoring lakes with CAMP program annually

BMP 2-6: Wetland Health Evaluation Program (WHEP)

- 2006-2001: Continue evaluating wetlands with WHEP program annually

BMP 2-7: Household Cleanup Day

- 2006-2011: Complete Household Cleanup Day annually

Specific Components and Notes:

BMP 2-2: Lake Association Weed Control

- Cutting/mowing control
- Chemical control

BMP 2-4: Storm Water Informational Booth

- Storm water brochures and handouts
- Volunteer opportunities

BMP 2-7: Household Cleanup Day

- Tires, furniture, scrap metal, wood, etc.
- Educational material to advertise Cleanup Day

***Responsible Party for this BMP:**

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BMP Summary Sheet

MS4 Name: City of Apple Valley

Minimum Control Measure: 3-ILLICIT DISCHARGE DETECTION AND ELIMINATION

Unique BMP Identification Number: 3a-1

<p>*BMP Title: Storm Sewer System Map</p>
<p>*BMP Description: <u>BMP 3-5: Storm Sewer Map</u> The current storm sewer map is located in Computer Aided Drafting files and record plans. The City will incorporate the storm sewer into their GIS system. Currently 40% of the city's storm sewer system is mapped.</p> <p>Location(s) in SWPPP of detailed information relating to this BMP: The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<p>*Measurable Goals:</p> <ul style="list-style-type: none">• 2006: Identify and document additional 20%• 2007: Identify and document additional 20%• June 30th, 2008: Identify and document 20% to reach cumulative 100%
<p>*Timeline/Implementation Schedule:</p> <ul style="list-style-type: none">• 2006: Complete map of 60% of City storm sewer system• 2007: Complete map of 80% of City storm sewer system• June 30th, 2008: Complete storm sewer map
<p>Specific Components and Notes:</p> <ul style="list-style-type: none">• GIS system identification• Existing CAD drawings• Existing record plans
<p>*Responsible Party for this BMP:</p> <p>Name: Neal Heuer Department: Public Works Phone: (952) 953-2412 E-mail: nheuer@ci.apple-valley.mn.us</p>

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BMP Summary Sheet

MS4 Name: City of Apple Valley

Minimum Control Measure: 3-ILLICIT DISCHARGE DETECTION AND ELIMINATION

Unique BMP Identification Number: 3b-1

<p>*BMP Title: Regulatory Control Program</p>
<p>*BMP Description:</p> <p><u>BMP 3-3: Nuisance Ordinance/Illegal Dumping</u> An ordinance stating illegal dumping of trash or debris on public or private property is currently included in the City Code of Ordinances.</p> <p><u>BMP 3-4: Illicit Discharge and Illicit Connection Ordinance and Enforcement Ordinance</u> Ordinance language includes prohibited discharges and connections to the storm sewer system and penalties for non-compliance.</p> <p>Location(s) in SWPPP of detailed information relating to this BMP: The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<p>*Measurable Goals:</p> <p><u>BMP 3-3: Nuisance Ordinance/Illegal Dumping</u></p> <ul style="list-style-type: none">• Completed nuisance ordinance <p><u>BMP 3-4: Illicit Discharge and Illicit Connection Ordinance and Enforcement Ordinance</u></p> <ul style="list-style-type: none">• 2006-2007: Evaluate existing ordinance, gather information on example ordinances• 2008: Completed illicit discharge and connections ordinance (y/n)
<p>*Timeline/Implementation Schedule:</p> <p><u>BMP 3-3: Nuisance Ordinance/Illegal Dumping</u></p> <ul style="list-style-type: none">• Ordinance complete <p><u>BMP 3-4: Illicit Discharge and Illicit Connection Ordinance and Enforcement Ordinance</u></p> <ul style="list-style-type: none">• 2006-2007: Evaluate existing ordinance, gather information on example ordinances• 2008: Complete illicit discharge and connections into storm sewer ordinance• 2009-2011: Implement and enforce ordinance
<p>Specific Components and Notes:</p>
<p>*Responsible Party for this BMP:</p> <p>Name: Neal Heuer Department: Public Works Phone: (952) 953-2412 E-mail: nheuer@ci.apple-valley.mn.us</p>

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BMP Summary Sheet

MS4 Name: City of Apple Valley

Minimum Control Measure: 3-ILLCIT DISCHARGE DETECTION AND ELIMINATION

Unique BMP Identification Number: 3c-1

<p>*BMP Title: Illicit Discharge Detection and Elimination Plan</p>
<p>*BMP Description:</p> <p><u>BMP 3-2: Septic System Maintenance Program</u> Reminders are sent to 1/3 of the individual septic tank owners in the City. Recipients are required to send a report card back to the city signed by a certified septic tank inspector. Failures and inspections are documented.</p> <p><u>BMP 3-6: Illicit Discharge/Connection Inspection Program</u> The City will identify and document any dry weather flow by inspecting the MS4 outfalls of the storm sewer system during pond and outfall inspections or reports from citizens.</p> <p>Location(s) in SWPPP of detailed information relating to this BMP: The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<p>*Measurable Goals:</p> <p><u>BMP 3-2: Septic System Maintenance Program</u></p> <ul style="list-style-type: none">• Number of septic systems inspected• Number of reported system failures• Number of letters sent• Number of systems removed and connected to sanitary sewer collection system. <p><u>BMP 3-6: Illicit Discharge/Connection Inspection Program</u></p> <ul style="list-style-type: none">• Percentage of outfalls inspected for dry weather flows• Number of illicit discharges and connections located
<p>*Timeline/Implementation Schedule:</p> <p><u>BMP 3-2: Septic System Maintenance Program</u></p> <ul style="list-style-type: none">• Continue existing practice to address 1/3 of all septic tank owners in the City. <p><u>BMP 3-6: Illicit Discharge/Connection Inspection Program</u></p> <ul style="list-style-type: none">• 2006-2011: Inspect and document dry weather flow from outfalls on a yearly basis• 2008: 100% outfalls inspected for dry weather flows
<p>Specific Components and Notes:</p> <p><u>BMP 3-2: Septic System Maintenance Program</u></p> <ul style="list-style-type: none">• Pond and Outfall inspection and cleaning procedure program (6-1) <p><u>BMP 3-6: Illicit Discharge/Connection Inspection Program</u></p> <ul style="list-style-type: none">• 1/3 inspected annually• Letter sent to appropriate septic system owners for reminder
<p>*Responsible Party for this BMP:</p> <p>Name: Neal Heuer Department: Public Works Phone: (952) 953-2412 E-mail: nheuer@ci.apple-valley.mn.us</p>

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BMP Summary Sheet

MS4 Name: City of Apple Valley

Minimum Control Measure: 3-ILLCIT DISCHARGE DETECTION AND ELIMINATION

Unique BMP Identification Number: 3d-1

***BMP Title:** Public and Employee Illicit Discharge Information Program

***BMP Description:**

The City uses the following BMPs to provide public education regarding hazards associated with illegal discharges and improper disposal of waste.

- BMP 1-1: Quarterly Newsletter
- BMP 1-2: Stormwater Outreach Education/Presentations
- BMP 1-3: 30-day public notice for annual storm water meeting
- BMP 1-4: City website-Storm water information
- BMP 1-5: Stormwater Brochures/Flyers
- BMP 1-6: Pet waste signage in Parks
- BMP 1-7: "Apple Valley Today"-Television Broadcast
- BMP 2-1: Storm Drain Stenciling Program
- BMP 2-3: Annual Storm Water Public Meeting
- BMP 2-4: Storm Water Informational Booth

The City will train employees on the illicit discharge program through the multiple training BMPs outlined in Minimum Control Measure 6: Pollution Prevention Good Housekeeping. Specifically, the following BMPs will provide the overall employee training program for this requirement. 6-1, 6-2, 6-4, 6-5, 6-6, 6-7, and 6-12. For descriptions, measurable goals, timelines and specific components for these BMPs see summary sheet 6a.1.

Location(s) in SWPPP of detailed information relating to this BMP:

BMP 1-1, 1-2, 1-3, 1-4, 1-5, 1-6, 1-7, 2-1, 2-3, 2-4 descriptions in the SWPPP provide more detail regarding information for each minimum control measure.

***Measurable Goals:**

BMP 1-1: Quarterly Newsletter

- Number of educational stormwater articles
- Number of times the newsletter is sent out to the public

BMP 1-2: Stormwater Outreach Education/Presentations

- Number of presentations conducted
- Number of partnership activities conducted
- Conduct two ESC workshops during the permit term

BMP 1-3: 30-day public notice for annual storm water meeting

- Completed public notice requirement
- Number of locations notice is posted

BMP 1-4: City website-Storm water information

- 2006: Active storm water information on website
- Number of storm water articles/postings on website

BMP 1-5: Stormwater Brochures/Flyers

- Number of storm water brochures types distributed and available
- Number of places brochures are available
- Number of flyers/letters sent to contractors/developers for ESC.

BMP 1-6: Pet waste signage in Parks

- Number of signs posted in parks

BMP 1-7: “Apple Valley Today”-Television Broadcast

- Number of storm water related segments aired.

BMP 2-1: Storm Drain Stenciling Program

- Number of storm drains stenciled
- Number of castings installed with storm drain logos

BMP 2-3: Annual Storm Water Public Meeting

- Number of attendees
- Number of comments on storm water quantity and/or quality

BMP 2-4: Storm Water Informational Booth

- Number of events booth is displayed
- Number of different types of storm water informational material at booth.

***Timeline/Implementation Schedule:**

BMP 1-1: Quarterly Newsletter

- 2006-2011: Ongoing.

BMP 1-2: Stormwater Outreach Education/Presentations

- 2006-2011: Currently implemented and will continue annually.
- 2006-2011: Conduct two ESC workshops during the permit term

BMP 1-3: 30-day public notice for annual storm water meeting

- 2006-2011: Annually post 30-day public notice for storm water public meeting

BMP 1-4: City website-Storm water information

- 2006: Active storm water information on City website
- 2006-2011: Annually update web page with new information.

BMP 1-5: Stormwater Brochures/Flyers

- 2006-2011: Brochures will be available at city buildings and city sponsored events annually.
- 2006-2011: Annually distribute flyers/letters to active contractors and developers in the spring and fall.

BMP 1-6: Pet waste signage in Parks

- Signs will be posted in problem areas, as they are needed.

BMP 1-7: “Apple Valley Today”-Television Broadcast

- 2006-2011: Annually the City will conduct broadcasts pertaining to storm water issues.

BMP 2-1: Storm Drain Stenciling Program

- 2006-2011: – Annual stenciling by volunteers and contractors

BMP 2-3: Annual Storm Water Public Meeting

- 2006-2011: Meetings will be conducted annually prior to submitting the Annual Report for the previous calendar year.

BMP 2-4: Storm Water Informational Booth

- 2006-2011: Prepare booth and display annually at events within the community if participation is accepted by event coordinators

Specific Components and Notes:

BMP 1-2: Stormwater Outreach Education/Presentations

- Storm drain stenciling (2-1)

BMP 1-4: City website-Storm water information

- Recycling information
- Code of ordinance accessibility
- Volunteer groups and opportunities
- Construction site ESC BMPs
- Environmentally friendly lawn care practices

BMP 1-7: “Apple Valley Today”-Television Broadcast

- Recycling information
- City pollution prevention/good housekeeping programs
- Volunteer groups and opportunities
- Construction site ESC BMPs and standards
- Environmentally friendly lawn care practices

BMP 2-1: Storm Drain Stenciling Program

- Volunteer stenciling
- Contractor installation of logo casting

BMP 2-3: Annual Storm Water Public Meeting

- 30-day public notice

BMP 2-4: Storm Water Informational Booth

- Stormwater brochures and handouts
- Volunteer opportunities

***Responsible Party for this BMP:**

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BMP Summary Sheet

MS4 Name: City of Apple Valley

Minimum Control Measure: 3-ILLCIT DISCHARGE DETECTION AND ELIMINATION

Unique BMP Identification Number: 3e-1

<p>*BMP Title: Identification of Non Stormwater Discharges and Flows</p>
<p>*BMP Description:</p> <p>During the initial self-assessment process to determine the appropriate BMPs necessary to meet the MEP standard, City staff considered the following non-stormwater discharges and determined they should not be identified as significant contributors of pollutants to the City's stormwater system at this time.</p> <ul style="list-style-type: none">• water line flushing• landscape irrigation• diverted stream flows• rising ground waters• uncontaminated ground water infiltration• uncontaminated pumped ground water• discharges from potable water sources• foundation drains• air conditioning condensation• irrigation water• springs• water from crawl space pumps• footing drains• lawn watering• individual residential car washing• flows from riparian habitats and wetlands• dechlorinated swimming pool discharges• street wash water• discharge or flows from fire fighting activities. <p>Location(s) in SWPPP of detailed information relating to this BMP:</p> <p>The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<p>*Measurable Goals:</p> <p>Not applicable</p>
<p>*Timeline/Implementation Schedule:</p> <p>Not applicable</p>
<p>Specific Components and Notes:</p>
<p>*Responsible Party for this BMP:</p> <p>Name: Neal Heuer Department: Public Works Phone: (952) 953-2412 E-mail: nheuer@ci.apple-valley.mn.us</p>

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Additional BMP Summary Sheet

MS4 Name: City of Apple Valley

Minimum Control Measure: 3-ILLCIT DISCHARGE DETECTION AND
ELIMINATION

Unique BMP Identification Number: 3f-1

*BMP Title: Additional Illicit Discharge Detection and Elimination BMPs
*BMP Description: <u>BMP 3-1: Spill Reduction and Response Program</u> The City currently supplies spill clean-up kits in some vehicles and in select areas at the Central Maintenance Facility. Also, MSDS training for employees provides proper training on storage, handling, and disposing of hazardous waste material. The City will review the current program and implement any changes. Location(s) in SWPPP of detailed information relating to this BMP: The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.
*Measurable Goals: <ul style="list-style-type: none">• Number of employees trained on program procedures• Number of spills
*Timeline/Implementation Schedule: <ul style="list-style-type: none">• 2006-2011: – Implemented changes to the program
Specific Components and Notes: <ul style="list-style-type: none">• Spill kits in city fleet• Floor dry• Hazorb pillows• MSDS training• Designated storage and containers
*Responsible Party for this BMP: Name: Neal Heuer Department: Public Works Phone: (952) 953-2412 E-mail: nheuer@ci.apple-valley.mn.us

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BMP Summary Sheet

MS4 Name: City of Apple Valley

Minimum Control Measure: 4-CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

Unique BMP Identification Number: 4a-1

<p>*BMP Title: Ordinance or other Regulatory Mechanism</p>
<p>*BMP Description:</p> <p><u>BMP 4-6: Erosion and Sedimentation Control Component (ESCC) Ordinance</u> Chapter 152 within the City Natural Resources Management ordinance lists the requirements for construction site runoff control within the City. Each land disturbing activity greater than or equal to 1 acre, or smaller if part of a larger common development or sale equal to or greater than one acre, must obtain a Natural Resources Management Permit (NRMP) prior to activity on the site. The specific components of the ordinance are listed below.</p> <p>Location(s) in SWPPP of detailed information relating to this BMP: The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<p>*Measurable Goals:</p> <ul style="list-style-type: none">• Completed ESC ordinance
<p>*Timeline/Implementation Schedule:</p> <ul style="list-style-type: none">• 2006-2011: This is an existing ordinance and implementation is on-going.
<p>Specific Components and Notes:</p> <p>Specific components of the existing Natural Resources Management Ordinance include:</p> <ol style="list-style-type: none">1. Requirements for an Erosion and Sediment Control Plan submittal by NRMP permits to review and approve or deny the erosion and sediment control and stormwater treatment BMPs,2. Site plan review and approval by MS4 prior to activity on site,3. Requirements and design standards for temporary erosion and sediment controls during construction activities,4. Requirements for record keeping of rainfall amounts and inspections by site operators by reference to comply with the MPCA NPDES Construction General Permit,5. Regular inspections by site operators,6. Requirements and criteria for the proper site dewatering and/or basin draining.7. Requirements and criteria for BMP maintenance,8. Requirements concerning waste controls for solid and hazardous wastes,9. Requirements and design standards for permanent stormwater management controls following the completion of construction activities, and10. Requirements for stable slopes and the establishment of perennial vegetative cover on all exposed soils upon the completion of any construction activity <p>Regulatory mechanisms identified in the ordinance include verbal warnings, written warnings, stop-work orders, fines, forfeit of security bond money, withholding of certificate of occupancy, and stoppage of all building inspections.</p>

***Responsible Party for this BMP:**

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BMP Summary Sheet

MS4 Name: City of Apple Valley

Minimum Control Measure: 4-CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

Unique BMP Identification Number: 4b-1

<p>*BMP Title: Construction Site Implementation of Erosion and Sediment Control BMPs</p>
<p>*BMP Description:</p> <p><u>BMP 4-4: Minimum Erosion and Sediment Control BMPs</u> The City has listed minimum erosion and sedimentation control BMP requirements within the ordinance language. The BMPs are reviewed by the City during the plan review process (4-3) and discussed at the grading pre-construction meeting (4-1).</p> <p><u>BMP 4-5: Erosion and Sediment Control Inspection and Enforcement</u> The City conducts erosion and sedimentation control inspection for projects equal to or greater than one acre. Larger developments or redevelopments are inspected on a weekly basis. Procedures for enforcement include a warning letter, stop inspection letter, and financial security to ensure proper installation and maintenance.</p> <p>Location(s) in SWPPP of detailed information relating to this BMP: The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<p>*Measurable Goals:</p> <p><u>BMP 4-4: Minimum Erosion and Sediment Control BMPs</u></p> <ul style="list-style-type: none">• Number of lists given to contractors• Number of updates made to list. <p><u>BMP 4-5: Erosion and Sediment Control Inspection and Enforcement</u></p> <ul style="list-style-type: none">• Number of warnings issued• Number of stop work orders issued• Amount of financial security money taken for ESC noncompliance
<p>*Timeline/Implementation Schedule:</p> <p><u>BMP 4-4: Minimum Erosion and Sediment Control BMPs</u></p> <ul style="list-style-type: none">• 2006-2011: Provide list of minimum BMPs for the contractor during the grading pre-construction meeting. Annually update the minimum BMP list. <p><u>BMP 4-5: Erosion and Sediment Control Inspection and Enforcement</u></p> <ul style="list-style-type: none">• 2006-2011: Current process annually: Weekly inspections and inspection after significant rain events.
<p>Specific Components and Notes:</p> <p><u>BMP 4-4: Minimum Erosion and Sediment Control BMPs</u></p> <ul style="list-style-type: none">• Erosion control silt fence• Rock construction entrance• Inlet protection devices• Tree protection fence• Street sweeping• MPCA - NPDES Construction General Permit standard

BMP 4-5: Erosion and Sediment Control Inspection and Enforcement

- Inspection schedule
- Warning letter
- Stop inspection
- Financial security

***Responsible Party for this BMP:**

Name: Neal Heuer

Department: Public Works

Phone: (952) 953-2412

E-mail: nheuer@ci.apple-valley.mn.us

**Indicates a REQUIRED field. Failure to complete any required field will result in rejection of the application due to incompleteness.*

BMP Summary Sheet

MS4 Name: City of Apple Valley

Minimum Control Measure: 4-CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

Unique BMP Identification Number: 4c-1

*BMP Title: Waste Controls for Construction Site Operators
*BMP Description: <u>BMP 4-8: Construction Site Waste Control Issues</u> During the weekly erosion control inspections of construction sites, the City enforces the local nuisance ordinance which require proper disposal of construction site waste. Additional requirements will be established within the developer's agreements or city ordinance if inspection results indicate a pattern of noncompliance. Location(s) in SWPPP of detailed information relating to this BMP: The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.
*Measurable Goals: <ul style="list-style-type: none">• Number of enforcement actions related to construction site waste issues
*Timeline/Implementation Schedule: <ul style="list-style-type: none">• 2006-2011: Continue inspection of construction sites for proper waste management.
Specific Components and Notes: <ul style="list-style-type: none">• Construction waste, such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste• Financial security/Letter of credit• Penalties for noncompliance• Inspection procedures
*Responsible Party for this BMP: Name: Neal Heuer Department: Public Works Phone: (952) 953-2412 E-mail: nheuer@ci.apple-valley.mn.us

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BMP Summary Sheet

MS4 Name: City of Apple Valley

Minimum Control Measure: 4-CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

Unique BMP Identification Number: 4d-1

<p>*BMP Title: Procedure for Site Plan Review</p>
<p>*BMP Description:</p> <p><u>BMP 4-3: Erosion and sedimentation control plan review process</u></p> <p>The City requires an Erosion and Sediment Control Component (ESCC) to be submitted during the Natural Resource Management plan review process. ESCC requires applicants to determine grading limits, identify permanent and temporary ESC best management practices, stockpile locations, and measures to ensure protection of water bodies and wetland zones according to city rules, regulations and policies.</p> <p>Location(s) in SWPPP of detailed information relating to this BMP: The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<p>*Measurable Goals:</p> <ul style="list-style-type: none">• Number of plans reviewed
<p>*Timeline/Implementation Schedule:</p> <ul style="list-style-type: none">• 2006-2011: This is an ongoing BMP.
<p>Specific Components and Notes:</p>
<p>*Responsible Party for this BMP:</p> <p>Name: Neal Heuer Department: Public Works Phone: (952) 953-2412 E-mail: nheuer@ci.apple-valley.mn.us</p>

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BMP Summary Sheet

MS4 Name: City of Apple Valley

Minimum Control Measure: 4-CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

Unique BMP Identification Number: 4e-1

<p>*BMP Title: Establishment of Procedures for the Receipt and Consideration of Reports of Stormwater Noncompliance</p>
<p>*BMP Description:</p> <p><u>BMP 4-2: ESC construction site signage</u> The City provides an ESC sign for the contractor to install at site-determined locations. The sign will provide a reference to the City's Natural Resource Management Ordinance (5-6) and a phone number for the public to report any violations.</p> <p>Location(s) in SWPPP of detailed information relating to this BMP: The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<p>*Measurable Goals:</p> <p><u>BMP 4-2: ESC construction site signage</u></p> <ul style="list-style-type: none">• Number of signs posted on construction sites
<p>*Timeline/Implementation Schedule:</p> <p><u>BMP 4-2: ESC construction site signage</u></p> <ul style="list-style-type: none">• 2006-2011: Signs will be distributed for each construction site project requiring a grading pre-construction meeting (4-1).
<p>Specific Components and Notes:</p>
<p>*Responsible Party for this BMP:</p> <p>Name: Neal Heuer Department: Public Works Phone: (952) 953-2412 E-mail: nheuer@ci.apple-valley.mn.us</p>

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BMP Summary Sheet

MS4 Name: City of Apple Valley

Minimum Control Measure: 4-CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

Unique BMP Identification Number: 4f-1

<p>*BMP Title: Establishment of Procedures for Site Inspections and Enforcement</p>
<p>*BMP Description:</p> <p><u>BMP 4-5: Erosion and Sediment Control Inspection and Enforcement</u></p> <p>The City conducts erosion and sedimentation control inspection for projects equal to or greater than one acre. Larger developments or redevelopments are inspected on a weekly basis. Procedures for enforcement include a warning letter, stop inspection letter, and financial security to ensure proper installation and maintenance.</p> <p>Location(s) in SWPPP of detailed information relating to this BMP: The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<p>*Measurable Goals:</p> <ul style="list-style-type: none">• Number of warnings issued• Number of stop work orders issued• Amount of financial security money taken for ESC noncompliance
<p>*Timeline/Implementation Schedule:</p> <ul style="list-style-type: none">• 2006-2011: Current process annually: Weekly inspections and inspection after significant rain events.
<p>Specific Components and Notes:</p> <ul style="list-style-type: none">• Inspection schedule• Warning letter• Stop inspection• Financial security
<p>*Responsible Party for this BMP:</p> <p>Name: Neal Heuer Department: Public Works Phone: (952) 953-2412 E-mail: nheuer@ci.apple-valley.mn.us</p>

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Additional BMP Summary Sheet

MS4 Name: City of Apple Valley

Minimum Control Measure: 4-CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

Unique BMP Identification Number: 4g-1

<p>*BMP Title: Additional Construction Site Runoff BMPs</p>
<p>*BMP Description:</p> <p><u>BMP 4-1: Grading pre-construction meeting</u> Grading pre-construction meeting is conducted for development or redevelopment projects requiring a financial security greater than \$2,000. The meeting intends to educate grading contractors on City ordinance regulations, standards, inspection, and enforcement procedures. Also, Construction Site ESC signs (4-2) are distributed at the meeting and are required to be posted on the development or redevelopment property.</p> <p><u>BMP 4-7: Pond Maintenance Procedures for developments</u> To ensure long-term maintenance of the numerous storm water ponds within the City during the construction period, financial securities are collected and ponds are inspected prior to City approval. After approval, the City establishes a right-of-entry to provide access for any required maintenance.</p> <p>Location(s) in SWPPP of detailed information relating to this BMP: The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<p>*Measurable Goals:</p> <p><u>BMP 4-1: Grading pre-construction meeting</u></p> <ul style="list-style-type: none">• Number of meetings held• Number of attendees at meeting <p><u>BMP 4-7: Pond Maintenance Procedures for developments</u></p> <ul style="list-style-type: none">• Occurrences of financial security withdrawals for maintenance work on construction projects
<p>*Timeline/Implementation Schedule:</p> <p><u>BMP 4-1: Grading pre-construction meeting</u></p> <ul style="list-style-type: none">• 2006-2011: Currently implemented and will continue as new projects are approved. <p><u>BMP 4-7: Pond Maintenance Procedures for developments</u></p> <ul style="list-style-type: none">• 2006-2011: Ongoing
<p>Specific Components and Notes:</p> <p><u>BMP 4-1: Grading pre-construction meeting</u></p> <ul style="list-style-type: none">• ESC construction site signage <p><u>BMP 4-7: Pond Maintenance Procedures for developments</u></p> <ul style="list-style-type: none">• Financial Security
<p>*Responsible Party for this BMP:</p> <p>Name: Neal Heuer Department: Public Works Phone: (952) 953-2412 E-mail: nheuer@ci.apple-valley.mn.us</p>

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BMP Summary Sheet

MS4 Name: City of Apple Valley

Minimum Control Measure: 5-POST-CONSTRUCTION STORMWATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT

Unique BMP Identification Number: 5a-1

***BMP Title:** Development and Implementation of Structural and/or Non-structural BMPs

***BMP Description:**

BMP 5-1: MPCA “Protecting Water Quality in Urban Areas” standard

For both temporary erosion and permanent runoff control, the City requires developments or redevelopments to identify and establish BMPs as recommended in the MPCA current Stormwater Manual.

BMP 5-6: Storm Water Management Plan

The City developed a Storm Water Management Plan (SWMP) in 1997, which includes Goals and Policies, Watershed Requirements, Agency Requirements, Best Management Practices, watershed descriptions, storm water quality, and infrastructure improvement planning. The City plans to revise the current SWMP and finish revisions by the end by 2006.

BMP 5-8: Detention/Retention

Both detention and retention storm sewer ponds are installed to control post-construction runoff within the City. The City will require this type of post construction BMP as site conditions allow.

BMP 5-9: Infiltration

Infiltration BMPs are installed to control post-construction runoff within the City. The City will require this type of post construction BMP as site conditions allow.

BMP 5-10: Filtration

Filtration BMPs are installed to control post-construction runoff within the City. The City will require this type of post construction BMP as site conditions allow.

BMP 5-11: Pipe flow energy dissipaters

Pipe flow energy dissipaters are installed to control post-construction runoff within the City. The City will require this type of post construction BMP as site conditions allow.

BMP 5-12: Sump manholes and sump catchbasins

Sump manholes and sump catchbasins are installed to collect sediment and debris from both construction and post-construction runoff. The City will require this type of post construction BMP as site conditions allow. The City maintains the sumps according to an approved maintenance schedule (6-2).

Location(s) in SWPPP of detailed information relating to this BMP:

The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.

***Measurable Goals:**

BMP 5-1: MPCA “Protecting Water Quality in Urban Areas” standard

- Number of permanent storm water BMPs installed.

BMP 5-6: Storm Water Management Plan

- Completed SWMP
- 2006 – Complete revision

BMP 5-8: Detention/Retention

- Number of detention and retention BMPs installed

BMP 5-9: Infiltration

- Number of infiltration BMPs installed

BMP 5-10: Filtration

- Number of filtration BMPs installed

BMP 5-11: Pipe flow energy dissipaters

- Number of pipe flow energy dissipaters installed

BMP 5-12: Sump manholes and sump catchbasins

- Number of sump manholes and sump catchbasins installed

***Timeline/Implementation Schedule:**

BMP 5-1: MPCA “Protecting Water Quality in Urban Areas” standard

- 2006-2011: Ongoing design standard
- 2009: Revisions to existing ordinance to reference manual.

BMP 5-6: Storm Water Management Plan

- 2006 – Complete revision
- 2007 – Agency approval and final adoption

BMP 5-8: Detention/Retention

- Ongoing

BMP 5-9: Infiltration

- Ongoing

BMP 5-10: Filtration

- Ongoing

BMP 5-11: Pipe flow energy dissipaters

- Ongoing

BMP 5-12: Sump manholes and sump catchbasins

- Ongoing

Specific Components and Notes:

BMP 5-6: Storm Water Management Plan

- Watershed drainage districts and subdistricts
- Design standards
- Cost estimate for new storm sewer infrastructure
- Goals and policies
- Compliance with requirements of local Watershed Management Organizations
- Wetland inventory and assessment
- Wetland standards and recommendations
- Priority lakes and classification

BMP 5-8: Detention/Retention

- NURP standards
- Cool water discharge designs including infiltration techniques

BMP 5-9: Infiltration

- Rain gardens

BMP 5-10: Filtration

- ½” rainfall filtration requirement for developments
- Infiltration storm manholes
- Rain water gardens

BMP 5-11: Pipe flow energy dissipaters

- Rip rap
- Concrete surge basins
- ¼ pipe size submerged

BMP 5-12: Sump manholes and sump catchbasins

- Storm Drainage system inspection and cleaning

***Responsible Party for this BMP:**

Name: Neal Heuer

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BMP Summary Sheet

MS4 Name: City of Apple Valley

Minimum Control Measure: 5-POST-CONSTRUCTION STORMWATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT

Unique BMP Identification Number: 5b-1

***BMP Title:** Regulatory Mechanism to Address Post Construction Runoff from New Development and Redevelopment

***BMP Description:**

BMP 5-2: Zoning Ordinance

A zoning ordinance is completed in the City to regulate land use planning and establish design standards according to the City's Storm Water Management Plan and Comprehensive Plan.

BMP 5-3: Plan Review Procedures

Plan review procedures are identified in City ordinances, which require submittal, review, and approval of required permit applications. Design standards and timelines for review are provided in the ordinance. The City uses this regulatory mechanism to ensure post-construction runoff control compliance with the approved Storm Water Management Plan.

Also, this process includes procedures to assure coordination with appropriate agencies and to evaluate discharges which may adversely affect properties listed or eligible for listing in the National Register of Historic Places or affecting known or discovered archeological sites; or discharges whose direct, indirect, interrelated, interconnected, or independent impacts may jeopardize a listed endangered or threatened species or adversely modify a designated critical habitat.

BMP 5-4: Buffer Zone Requirements

The City requires a 15' minimum buffer zone on all new construction property, public or private, which abuts any water body. A financial security is retained to ensure proper installation and City approved plant species.

BMP 5-5: Natural Resource Management Ordinance

The Natural Resource Management ordinance provides protection and preservation of the City's natural resources by providing orderly development of land to minimize tree and land habitat loss. Also, mitigation for tree removals and environmental impacts are included in the ordinance language.

BMP 5-6: Storm Water Management Plan

The City developed a Storm Water Management Plan (SWMP) in 1997, which includes Goals and Policies, Watershed Requirements, Agency Requirements, Best Management Practices, watershed descriptions, storm water quality, and infrastructure improvement planning. The City plans to revise the current SWMP and finish revisions by the end by 2006.

Location(s) in SWPPP of detailed information relating to this BMP:

The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.

***Measurable Goals:**

BMP 5-2: Zoning Ordinance

- Number of revisions made to the zoning ordinance.

BMP 5-3: Plan Review Procedures

- Number of plans reviewed

BMP 5-4: Buffer Zone Requirements

- Completed buffer zone ordinance

BMP 5-5: Natural Resource Management Ordinance

- Completed Natural Resource Management Ordinance

BMP 5-6: Storm Water Management Plan

- Completed SWMP
- 2006 – Complete revision

***Timeline/Implementation Schedule:**

BMP 5-2: Zoning Ordinance

- 2006-2011: Additional revisions as needed

BMP 5-3: Plan Review Procedures

- 2006-2011: Ongoing

BMP 5-4: Buffer Zone Requirements

- 2006-2011: Ongoing

BMP 5-5: Natural Resource Management Ordinance

- Ongoing

BMP 5-6: Storm Water Management Plan

- 2006 – Complete revision
- 2007 – Agency approval and final adoption

Specific Components and Notes:

BMP 5-5: Natural Resource Management Ordinance

- Natural Resource Management Permit
- Erosion and Sedimentation Control Component (ESCC)
- Tree Preservation Component (TPC)
- Drainage and Grading Component (DGC)
- Tree Mitigation (TPPC)
- Wetland buffer zone requirements

BMP 5-6: Storm Water Management Plan

- Watershed drainage districts and subdistricts
- Design standards
- Cost estimate for new storm sewer infrastructure
- Goals and policies
- Compliance with requirements of local Watershed Management Organizations
- Wetland inventory and assessment
- Wetland standards and recommendations
- Priority lakes and classification

***Responsible Party for this BMP:**

Name: Neal Heuer

Department: Public Works

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BMP Summary Sheet

MS4 Name: City of Apple Valley

Minimum Control Measure: 5-POST-CONSTRUCTION STORMWATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT

Unique BMP Identification Number: 5c-1

***BMP Title:** Long-term Operation and Maintenance of BMPs

***BMP Description:**

BMP 5-13: Long-Term Operation and Maintenance of the Stormwater System

The City will operate and maintain publicly owned stormwater management facilities to ensure they continue serving their intended function to reduce the discharge of pollutants. Facility inspection and maintenance activities will be coordinated with Pond and outfall inspection and cleaning procedure program (6-1) and Structural pollution control device inspection and cleaning (6-2) BMP's. The City will strive to implement corrective measures for routine maintenance activities in the year of discovery with priority given based on condition of facility. Other non-routine maintenance measures will be placed on a list with priority given to projects that provide the most cost effective pollution reduction.

The City has established a stormwater utility to pay for the continued cost of revising the SWPPP, stormwater program, and long-term maintenance of the storm sewer system.

For private stormsewer infrastructure, the City includes provisions within developer's agreements for each project. These provisions include long term operation and maintenance requirements appropriate for the specific system.

Location(s) in SWPPP of detailed information relating to this BMP:

The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.

***Measurable Goals:**

BMP 5-13: Long-Term Operation and Maintenance of the Stormwater System

- Number of repairs, replacements, or maintenance measures
- Number of employees trained for proper O & M
- Number of developers agreements established

***Timeline/Implementation Schedule:**

BMP 5-13: Long-Term Operation and Maintenance of the Stormwater System

- 2006 Integrate inspection, operation, and maintenance activities with 6-1, and 6-2
- 2007-2011 Implement corrective measures to the MEP and annually review procedures and revise as needed

Specific Components and Notes:

BMP 5-13: Long-Term Operation and Maintenance of the Stormwater System

- Pond and outfall inspection and cleaning procedure program (BMP 6-1)
- Structural pollution control device inspection and cleaning (BMP 6-2)

***Responsible Party for this BMP:**

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Department: Public Works

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Additional BMP Summary Sheet

MS4 Name: City of Apple Valley

Minimum Control Measure: 5-POST-CONSTRUCTION STORMWATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT

Unique BMP Identification Number: 5-d

*BMP Title: Additional Post Construction Runoff BMPs
*BMP Description: <u>BMP 5-7: Sanitary Sewer Comprehensive Plan Updates</u> The current Sewer Comprehensive Plan allows the city to plan for future and orderly construction of sanitary sewer infrastructure and maintenance procedures. Location(s) in SWPPP of detailed information relating to this BMP: The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.
*Measurable Goals: <ul style="list-style-type: none">• 2006 – Implement Sanitary Sewer Comprehensive Plan
*Timeline/Implementation Schedule: <ul style="list-style-type: none">• 2006 – Implement Sanitary Sewer Comprehensive Plan
Specific Components and Notes:
*Responsible Party for this BMP: Name: Neal Heuer Department: Public Works Phone: (952) 953-2412 E-mail: nheuer@ci.apple-valley.mn.us

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BMP Summary Sheet

MS4 Name: City of Apple Valley

Minimum Control Measure: 6-POLLUTION PREVENTION/GOOD HOUSEKEEPING

Unique BMP Identification Number: 6a-1

***BMP Title:** Municipal Operations and Maintenance Program

***BMP Description:**

BMP 6-3: Street deicing program

The street deicing program in the City includes training of new employees and an Annual Snowplow Meeting to review correct practices and issues related to street deicing. The City also has developed a Sensible Salt Program which determines the appropriate mixture of salt and/or salt mixtures road application according to the temperature, forecast, and road conditions. An enclosed building is used for salt storage, truck loading, and mixing. Certain salt applicator trucks are equipped with patrol commanders to determine application rate and temperature sensors to control salt/sand mix for application.

BMP 6-4: Fertilizer Application Program

The Parks Department applies fertilizer within the City. No phosphorus fertilizer will be used unless the phosphorus level is tested to be below a certain State standard threshold. Employees are trained on proper handling, application, and cleanup procedures.

BMP 6-5: Pesticide and Herbicide Control Program

The Parks Department applies pesticide and herbicide within the City. All employees who handle restricted pesticides are required to be licensed to ensure proper handling and application procedures. The City will evaluate the current program, make any appropriate changes, and document the procedures.

BMP 6-6: Fleet and Building Maintenance Program

The Fleet Maintenance Division of Public Works provides scheduled maintenance and safety checks on City vehicles. An inside wash bay is used to wash all vehicles. The City will evaluate the existing program and document all vehicle inspections and maintenance.

BMP 6-7: Hazardous Material Storage and Recycling Program

The City recycles fluorescent light bulbs, floor dry, solvents, and anti-freeze and stores them in designated containers in a storage room. Also, reusable towels are used during fleet and building operation and maintenance in place of disposable to reduce waste. The City will also include an employee training component with this BMP to keep appropriate maintenance staff aware of city policies regarding proper storage, handling and recycling of hazardous materials.

BMP 6-9: Sanitary Sewer Maintenance Program

The specific components listed below ensure proper maintenance and repair of sanitary sewer lines to minimize sanitary sewer overflows.

BMP 6-10: Municipal Turf Maintenance Program

Four divisions from two different departments conduct lawn care practices within the City. The specific components are listed below.

Location(s) in SWPPP of detailed information relating to this BMP:

The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.

***Measurable Goals:**

BMP 6-3: Street deicing program

- Amount of salt applied to streets
- Amount of sand applied to streets

BMP 6-4: Fertilizer Application Program

- Number of employees trained
- Amount of fertilizer applied

BMP 6-5: Pesticide and Herbicide Control Program

- Evaluate alternative pesticide and herbicide products, equipment, or procedures
- Number of licensed applicators on staff
- Amount of pesticide and herbicide applied

BMP 6-6: Fleet and Building Maintenance Program

- Number of equipment maintained
- Number of employees trained

BMP 6-7: Hazardous Material Storage and Recycling Program

- Document hazardous material storage and recycling program

BMP 6-9: Sanitary Sewer Maintenance Program

- Footage of lines cleaned
- Footage televised
- Number of sanitary sewer overflows
- Number of employees trained

BMP 6-10: Municipal Turf Maintenance Program

- Number of employees trained

***Timeline/Implementation Schedule:**

BMP 6-3: Street deicing program

- 2006-2011: Annually evaluate alternative products, equipment, and procedures

BMP 6-4: Fertilizer Application Program

- Ongoing

BMP 6-5: Pesticide and Herbicide Control Program

- 2006-2011: Continual education and training of employees that are going to be handling pesticides and herbicides.

BMP 6-6: Fleet and Building Maintenance Program

- 2006-2011: Continual fleet and building maintenance and documentation program

BMP 6-7: Hazardous Material Storage and Recycling Program

- 2006-2011: Ongoing

BMP 6-9: Sanitary Sewer Maintenance Program

- Ongoing program

BMP 6-10: Municipal Turf Maintenance Program

- 2006-2011: Ongoing Development of procedures and documentation of training

Specific Components and Notes:

BMP 6-3: Street deicing program

- Sensible Salt Program
- Alternative salt products
- Salt brine tanks on trucks
- Annual Snowplow Meeting

- New employee training
- Salt storage building
- Patrol commander to control salt application
- Pavement temperature sensors

BMP 6-4: Fertilizer Application Program

- No phosphorus fertilizer-2004; unless phosphorus is below a certain threshold
- Annual employee training
- Impervious surface cleaning

BMP 6-5: Pesticide and Herbicide Control Program

- Pesticide licensed applicators
- Proper handling and application
- Annual employee training

BMP 6-6: Fleet and Building Maintenance Program

- Scheduled maintenance
- Inside wash bay
- Fleet safety checks
- Spill kits/Hazorb pillows in designated City buildings
- Designated storage area for chemicals or other hazardous waste

BMP 6-7: Hazardous Material Storage and Recycling Program

- Reusable towels
- Fluorescent bulb recycling
- Designated storage room/containers
- Floor dry recycling
- Oil and anti-freeze recycling
- Employee training

BMP 6-9: Sanitary Sewer Maintenance Program

- Jetting and Vactor of lines
- Televising
- Employee training
- Root control
- Cured-in-Place Pipe (CIPP) – when necessary

BMP 6-10: Municipal Turf Maintenance Program

- Proper discharge of grass clippings
- Signage on City owned mowing equipment and Parks common room illustrating proper BMPs
- Noxious weed control in buffer strips
- Annual employee training

***Responsible Party for this BMP:**

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BMP Summary Sheet

MS4 Name: City of Apple Valley

Minimum Control Measure: 6-POLLUTION PREVENTION/GOOD HOUSEKEEPING

Unique BMP Identification Number: 6a-2

***BMP Title:** Street Sweeping**

***BMP Description:**

BMP 6-8: Municipal Street Sweeping Program

City streets are swept twice each year and on an “as-needed” basis incorporating the use of a regenerative air sweeper. Streets are swept prior to flushing the water distribution system in the Spring and dense foliage areas are a priority during the Fall. City employees are trained each year at an annual meeting to discuss new policies, equipment, and procedures for the following year.

Location(s) in SWPPP of detailed information relating to this BMP:

The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.

***Measurable Goals:**

- Number of street miles swept
- Number of loads collected

***Timeline/Implementation Schedule:**

- 2006-2011: – Evaluate current program and make necessary revisions
- 2006-2011: Ongoing program

Specific Components and Notes:

- Bi-annual street sweeping (100% of the streets)
- Sweeping before water line flushing
- High canopy areas are priority in the fall
- Employee training
- Regenerative air sweeper (vacuum sweeper)

***Responsible Party for this BMP:**

Name: Neal Heuer

Department: Public Works

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BMP Summary Sheet

MS4 Name: City of Apple Valley

Minimum Control Measure: 6-POLLUTION PREVENTION/GOOD HOUSEKEEPING

Unique BMP Identification Number: 6b-2

***BMP Title:** Annual Inspection of All Structural Pollution Control Devices

***BMP Description:**

BMP 6-2: Structural pollution control device inspection and cleaning

The City will inspect 100% of the structural pollution control devices annually except sump manholes. Currently, the City has developed a sump manhole-cleaning schedule which includes biannual inspection and cleaning. To justify an appropriate maintenance schedule for sump manholes, the City will document the number cleaned and inspected as well as the number full of sediment or debris. A map will be developed to distinguish which devices have been cleaned and inspected annually. If maintenance actions are required for an individual manhole as a result of the first two inspections, the City will increase the number of inspections as required in the Permit. All other structural pollution control devices will be inspected annually and appropriate maintenance actions will be taken according to the inspections.

Location(s) in SWPPP of detailed information relating to this BMP:

The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.

***Measurable Goals:**

- Number of known structural pollution control devices and types
- Number of maintenance actions needed for structural pollution control devices
- Number of sumps cleaned and inspected
- Number of sumps full of sediment or debris
- Number of employees trained

***Timeline/Implementation Schedule:**

- 2006-2011: Annual sump and structural pollution control devices inspection and cleaning.

Specific Components and Notes:

- Sump cleaning and inspection schedule

***Responsible Party for this BMP:**

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BMP Summary Sheet

MS4 Name: City of Apple Valley

Minimum Control Measure: 6-POLLUTION PREVENTION/GOOD HOUSEKEEPING

Unique BMP Identification Number: 6b-3

***BMP Title:** Inspection of a Minimum of 20 percent of the MS4 Outfalls, Sediment Basins and Ponds Each Year on a Rotating Basis

***BMP Description:**

BMP 6-1: Pond and outfall inspection and cleaning procedure program

A minimum of 20% of the Ponds and outfalls will be inspected annually until all have been inspected during the Permit period. Cleaning procedures will be based on inspection reports.

Location(s) in SWPPP of detailed information relating to this BMP:

The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.

***Measurable Goals:**

- Number of outfalls and ponds inspected (20% minimum/year)
- Number of outfalls full of sediment or debris
- Number of employees trained on proper storm sewer system maintenance

***Timeline/Implementation Schedule:**

- 2006-2011: Inspect 20% of current outfalls and ponds annually and document cleaning actions taken

Specific Components and Notes:

- Outfall cleaning procedures and inspection schedule
- Pond cleaning procedures and inspection schedule
- GPS identification of inlet and outlet of pond

***Responsible Party for this BMP:**

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BMP Summary Sheet

MS4 Name: City of Apple Valley

Minimum Control Measure: 6-POLLUTION PREVENTION/GOOD HOUSEKEEPING

Unique BMP Identification Number: 6b-4

<p>*BMP Title: Annual Inspection of All Exposed Stockpile, Storage and Material Handling Areas</p>
<p>*BMP Description:</p> <p><u>BMP 6-12: Stockpile, Storage and Material Handling Program</u></p> <p>The City will develop a procedure to identify and manage all exposed stockpiles to insure perimeter controls are in place and to prevent the offsite migration of stockpile material. Storage and material handling areas will be inspected in conjunction with the Hazardous Material Storage and Recycling Program (6-7) and the Fleet and Building Operation and Maintenance Program (6-6).</p> <p>Location(s) in SWPPP of detailed information relating to this BMP: The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<p>*Measurable Goals:</p> <ul style="list-style-type: none">• Identification of exposed stockpiles• Number of inspections conducted
<p>*Timeline/Implementation Schedule:</p> <ul style="list-style-type: none">• 2006: Determine locations stockpiles• 2006: Implement stockpile, storage and material handling program• 2006-2011: Conduct annual inspections and review and revise program needed
<p>Specific Components and Notes:</p> <ul style="list-style-type: none">• Develop an integrated inspection program to annually inspect stockpiles, storage and material handling areas.
<p>*Responsible Party for this BMP:</p> <p>Name: Neal Heuer Department: Public Works Phone: (952) 953-2412 E-mail: nheuer@ci.apple-valley.mn.us</p>

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BMP Summary Sheet

MS4 Name: City of Apple Valley

Minimum Control Measure: 6-POLLUTION PREVENTION/GOOD HOUSEKEEPING

Unique BMP Identification Number: 6b-5

***BMP Title:** Inspection Follow-up Including the Determination of Whether Repair, Replacement, or Maintenance Measures are Necessary and the Implementation of the Corrective Measures

***BMP Description:**

BMP 6-1: Pond and outfall inspection and cleaning procedure program

A minimum of 20% of the Ponds and outfalls will be inspected annually until all have been inspected during the Permit period. Cleaning procedures will be based on inspection reports.

BMP 6-2: Structural pollution control device inspection and cleaning

The City will inspect 100% of the structural pollution control devices annually except sump manholes. Currently, the City has developed a sump manhole-cleaning schedule which includes biannual inspection and cleaning. To justify an appropriate maintenance schedule for sump manholes, the City will document the number cleaned and inspected as well as the number full of sediment or debris. A map will be developed to distinguish which devices have been cleaned and inspected annually. If maintenance actions are required for an individual manhole as a result of the first two inspections, the City will increase the number of inspections as required in the Permit. All other structural pollution control devices will be inspected annually and appropriate maintenance actions will be taken according to the inspections.

Location(s) in SWPPP of detailed information relating to this BMP:

The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.

***Measurable Goals:**

BMP 6-1: Pond and outfall inspection and cleaning procedure program

- Number of outfalls and ponds inspected (20% minimum/year)
- Number of outfalls full of sediment or debris
- Number of employees trained on proper storm sewer system maintenance

BMP 6-2: Structural pollution control device inspection and cleaning

- Number of known structural pollution control devices and types
- Number of maintenance actions needed for structural pollution control devices
- Number of sumps cleaned and inspected
- Number of sumps full of sediment or debris
- Number of employees trained

***Timeline/Implementation Schedule:**

BMP 6-1: Pond and outfall inspection and cleaning procedure program

- 2006-2011: Inspect 20% of current outfalls and ponds annually and document cleaning actions taken

BMP 6-2: Structural pollution control device inspection and cleaning

- 2006-2011: Annual sump and structural pollution control devices inspection and cleaning.

Specific Components and Notes:

BMP 6-1: Pond and outfall inspection and cleaning procedure program

- Outfall cleaning procedures and inspection schedule
- Pond cleaning procedures and inspection schedule
- GPS identification of inlet and outlet of pond

BMP 6-2: Structural pollution control device inspection and cleaning

- Sump cleaning and inspection schedule

***Responsible Party for this BMP:**

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BMP Summary Sheet

MS4 Name: City of Apple Valley

Minimum Control Measure: 6-POLLUTION PREVENTION/GOOD HOUSEKEEPING

Unique BMP Identification Number: 6b-6

<p>*BMP Title: Record Reporting and Retention of All Inspections and Responses to the Inspections</p>
<p>*BMP Description:</p> <p><u>BMP 7-2: Record Keeping and Reporting</u></p> <p>The City will submit an annual report according to the requirements outlined in the current MS4 permit and retain all recorded required for at least three (3) years beyond the term of the permit. The City will keep records on the dates of inspection and responses to the inspections, including the date of completion of repairs and major additional protection measures. All records, including the approved SWPPP, will be available to the public at reasonable times during regular business hours after a 7 day advance notice and reasonable charge for requested copies.</p> <p>Location(s) in SWPPP of detailed information relating to this BMP: The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<p>*Measurable Goals:</p> <ul style="list-style-type: none">• Develop record keeping procedure• Implement record keeping procedure
<p>*Timeline/Implementation Schedule:</p> <ul style="list-style-type: none">• 2006: Develop record keeping procedure• 2007-2011: Implement record keeping procedure
<p>Specific Components and Notes:</p>
<p>*Responsible Party for this BMP:</p> <p>Name: Neal Heuer Department: Public Works Phone: (952) 953-2412 E-mail: nheuer@ci.apple-valley.mn.us</p>

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BMP Summary Sheet

MS4 Name: City of Apple Valley

Minimum Control Measure: 6-POLLUTION PREVENTION/GOOD HOUSEKEEPING

Unique BMP Identification Number: 6b-7

***BMP Title:** Evaluation of Inspection Frequency

***BMP Description:**

BMP 6-11: Inspection Analysis and Frequency

The City will keep records of inspection results, date, antecedent weather conditions, sediment storage and capacity remaining, and any maintenance performed or recommended. After two years of inspections, if patterns of maintenance become apparent, the frequency of inspections will be adjusted to at least two (2) times annually, or more frequently as needed to prevent carry-over or washout of pollutants from the structures and maximize pollutant removal. If maintenance or sediment removal is not required as a result of both the first two annual inspections, the frequency will be reduced to once every two years.

Location(s) in SWPPP of detailed information relating to this BMP:

The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.

***Measurable Goals:**

- Number inspected
- Number of inspection modifications
- Annual Report summary of inspection results

***Timeline/Implementation Schedule:**

- 2006-2011 Evaluate maintenance pattern every two years (2007, 2009, and 2011) and modify inspection frequency as required.

Specific Components and Notes:

- Structural pollution control device inspection and cleaning (BMP 6-2)

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Additional MP Summary Sheet

MS4 Name: City of Apple Valley

Minimum Control Measure: 6-POLLUTION PREVENTION/GOOD HOUSEKEEPING

Unique BMP Identification Number: 6b-8

***BMP Title:** Discharge Affecting Source Water Protection Areas

***BMP Description:**

BMP 7-1: Discharge Affecting Source Water Protection Areas

The Minnesota Department of Health has approved a Part I and Part II Wellhead Protection Plan (WPP) for the City in 2005 including the necessary map illustrating the wells and source waters for drinking water supply management areas identified as vulnerable under Minn. R. 4720.5205, 4720.5210, and 4720.5330. The City will follow the recommendations outlined in the WPP.

The City will coordinate with MDH to determine if the City jurisdictional area includes land within the source water protection area for surface water intakes identified in the source water assessments conducted by the Mn Dept. of Health under the federal Safe Drinking Water Act, U.S.C. 300j-13. If so, the City will work with the appropriate organizations to address potential impacts to the areas to the MEP and revise the SWPPP accordingly.

Location(s) in SWPPP of detailed information relating to this BMP:

The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.

***Measurable Goals:**

- Continue implementation of Wellhead Protection Plan as approved by MDH.
- Determine areas within the source water protection area for surface water intakes identified in the source water assessments conducted by the Mn Dept. of Health under the federal Safe Drinking Water Act, U.S.C. 300j-13.
- Coordinate with appropriate organizations and revise SWPPP accordingly.

***Timeline/Implementation Schedule:**

- 2006-2011: Continue implementation of Wellhead Protection Plan as approved by MDH.
- According to MDH schedule: Determine areas within the source water protection area for surface water intakes identified in the source water assessments conducted by the Mn Dept. of Health under the federal Safe Drinking Water Act, U.S.C. 300j-13.
- 2006-2011: Coordinate with appropriate organizations and revise SWPPP accordingly.

Specific Components and Notes:

- Cooperate with adjacent municipalities or organizations to protect other MDH identified high or moderate vulnerable areas to storm sewer runoff when they are found to overlap the City's jurisdictional boundary.

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Additional MP Summary Sheet

MS4 Name: City of Apple Valley

Minimum Control Measure: 6-POLLUTION PREVENTION/GOOD HOUSEKEEPING

Unique BMP Identification Number: 6b-9

***BMP Title:** Nondegradation

***BMP Description:**

BMP 7-3: Nondegradation

The City will prepare a Loading Assessment and Nondegradation Report as per Part X. Appendix D. Sections B & C of the MS4 General Permit. The City will follow the public participation process as per Part X. Appendix D. Section D of the MS4 General Permit. After consideration of the input received during the public participation process, the City will prepare and submit the materials required in Part X. Appendix D. Section E of the MS4 General Permit.

During the MPCA review, notice, and preliminary determination processes, the City will work with the MPCA, if appropriate, to respond to comments and/or revise the submittal materials to prepare them for final approval.

After final determination by the MPCA, the City will modify the SWPPP as per the approved submittal materials and as needed to meet the nondegradation requirements.

Location(s) in SWPPP of detailed information relating to this BMP:

The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.

***Measurable Goals:**

- The City will prepare and submit materials to meet the requirements listed above.
- The City will respond to and coordinate with the MPCA, as appropriate, during the MPCA review, notice, and preliminary determination processes.
- Modify the SWPPP as per the approved modifications and as needed to meet the nondegradation requirements.

***Timeline/Implementation Schedule:**

- The City will prepare and submit the required materials listed above by 17 months after the effective date of the Permit
- The City will respond to and coordinate with the MPCA, as appropriate, during the MPCA review, notice, and preliminary determination processes.
- After the submittal materials are approved by the MPCA, the City will modify the SWPPP, as per the approved modifications and as needed to meet the nondegradation requirements, in a timely manner.

Specific Components and Notes:

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Additional MP Summary Sheet

MS4 Name: City of Apple Valley

Minimum Control Measure: 6-POLLUTION PREVENTION/GOOD HOUSEKEEPING

Unique BMP Identification Number: 6b-10

***BMP Title:** Response to Listing of Impaired Waters

***BMP Description:**

BMP 7-4: Response to Listing of Impaired Waters

The following terms are used in the course of this BMP Description:

- trigger event
- impaired waters evaluation
- impaired waters report

These terms are used to describe steps of a process to address a specific MS4 Permit requirement. These terms do not imply or mandate the creation of written reports or materials that must be submitted to the MPCA. Written documentation from these steps will be retained as part of the City's MS4 Permit records. These records will be retained as per Part VI.B. of the MS4 General Permit and available to the MPCA upon request.

For waters that are impaired only for mercury, only Step 1 of this BMP will be implemented. Based on the Minnesota statewide mercury TMDL, it is assumed that the City's MS4 discharge does not contribute to the mercury impairment. This assumption also applies to waters with multiple impairments that include mercury. For these waters, only the other non-mercury impairments must be addressed through Steps 2 through 5.

As per 40 CFR 122.2 and 122.3, the measures in this BMP will not be applied to flows from irrigated agriculture or agricultural stormwater runoff within the City's jurisdiction.

The steps included in this BMP will be instigated by one or more of the following trigger events:

1. the extension of MS4 Permit coverage upon approval of the City's submittal materials and Application by the MPCA Commissioner (if this BMP is already incorporated into the SWPPP)
2. the release of a new 303(d) list of Impaired Waters by the MPCA that is approved by the USEPA.

In **Step 1**, the City will review the Impaired Waters List to determine whether there are any impaired waters located within five miles of the City's boundaries that receive discharge from the City's MS4. Such waters will be identified as "impaired waters of concern". This term is used only for the purposes of this BMP to define the set of impaired waters that must be addressed in the subsequent steps. The City will depend on the 303(d) list of Impaired Waters to make this determination. Where the information in the list is insufficient, the City will contact the MPCA for further clarification.

In **Step 2**, the City will identify the location(s) of discharge(s) from the City's MS4 to the impaired waters of concern identified in Step 1. Discharges may include pipes, outlets, ditches, swales, street gutters, or other discrete conveyances for stormwater runoff. As part of Step 2, the City will also delineate the watershed area within the City's jurisdiction that discharges to each impaired water of concern identified in Step 1.

In **Step 3**, the City will prepare an impaired waters evaluation addressing the hydrology, land use, and other characteristics of each watershed area delineated in Step 2.

In **Step 4**, the City will prepare an impaired waters report. This report will address the results of the steps listed above along with a determination of whether changes to the City's SWPPP are warranted to reduce the impact from the City's MS4 stormwater discharge to each impaired water of concern.

In **Step 5**, the City will incorporate the changes identified in the impaired waters report into the City's SWPPP, as per the provisions of the MS4 General Permit regarding SWPPP modifications. The changes to the SWPPP will be reported in the subsequent Annual Report, along with a summary of the process (as listed above) that resulted in the changes

Location(s) in SWPPP of detailed information relating to this BMP:

The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.

***Measurable Goals:**

- Step 1: Completion of the City's determination whether there are impaired waters of concern
- Step 2: A map showing the locations of discharges and delineated watershed areas.
- Step 3: Completion of the impaired waters evaluation
- Step 4: Completion of the impaired waters report
- Step 5: Changes to the City's SWPPP.

***Timeline/Implementation Schedule:**

- Step 1: Within 2 months of a trigger event
- Step 2: Within 6 months of a trigger event
- Step 3: Within 12 months of a trigger event
- Step 4: Within 12 months of a trigger event
- Step 5: Within 18 months of a trigger event

Specific Components and Notes:

The steps listed in this BMP will be executed in response to the listing of impaired waters. It is likely that these tasks will precede (perhaps by years) the initiation and completion of the TMDL Study and Waste Load Allocation for these impaired waters. The data, information, and understanding of the water quality problems and solutions for the impaired waters will be significantly less at the time of the preparation of these materials than when the TMDL Study and the Waste Load Allocation have been completed. For this reason, the level of analysis and the breadth of the response by the City will be significantly less for the preparation of these materials and modifications to the SWPPP at this time than at the time of the completion of the TMDL Study and the Waste Load Allocation. The City's analysis and response for this BMP will be based on data and information that are readily available at the time.

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