

**REPORTING YEAR SIX  
YEAR ENDING MARCH 9, 2009**

---

---

**MS4 Municipal Compliance Certification (MCC)  
and Stormwater Management Program  
Annual Report (SWMPAR)**

---

---

*Submitted To:*

**New York State Department of Environmental Conservation**

MS4 Permit Coordinator  
625 Broadway  
Division of Water - 4th Floor  
Albany, New York 12233-3505

*Submitted By:*



**Buffalo and Fort Erie Public Bridge Authority  
MS4 SPDES No. NYR40A422**

One Peace Bridge Plaza  
Buffalo, NY 14213  
Phone: (716) 884-6744 ext. 242

June 1, 2009





## MS4 Annual Report Cover Page

MCC form for period ending March 9, 

2	0	0	9
---	---	---	---

### Required Forms

- > Municipal Compliance Certification
- > Water Quality Trends
- > Minimum Measure 1
- > Minimum Measure 2
- > Minimum Measure 3
- > Minimum Measure 4
- > Minimum Measure 4 and 5
- > Minimum Measure 5
- > Minimum Measure 6
- > MS4s in impaired watersheds included in GP-0-08-002 Part IX must also complete the form *Additional Watershed Improvement Strategy Best Management Practices*.

### Reporting Requirements

- \* **Permittees submitting an annual report for an individual MS4 must complete and submit all required forms.**
- \* **Joint reports may be submitted by permittees with legally binding agreements as follows:**
  - > *Each* MS4 contributing to a joint report must submit a Municipal Compliance Certification (MCC) form with an original signature. The MCC forms must be attached to the report.
  - > A coalition may submit information on behalf of its members as follows:
    1. Submit one form for each of the Minimum Measures (and if required, Additional Watershed Improvement Strategy Best Management Practices) on behalf of all the MS4s in the coalition, or
    2. Complete some of the required forms on behalf of all the MS4's in the coalition and for other Minimum Measures, attach completed forms from each of the MS4s.

For example, a joint report for a coalition including four permitted MS4s may contain one form for *each* of the Minimum Measures 1-5, representing the combined work of all four participating MS4s, and *in addition*, include four separate Minimum Measure 6 forms and four separate *Additional Watershed Improvement Strategy Best Management Practices* forms provided by each of the participating permittees.

**The Department will *not* accept a report form from a participating MS4 *in addition to* a combined report form submitted for the same Minimum Measure.**

### Instructions for completing forms

These forms may be completed on a computer or by hand. If completing the forms by hand, fill in circles completely and print clearly.











**MS4 Municipal Compliance Certification(MCC) Form**

MCC form for period ending March 9, 2 0 0 9

Name of MS4

SPDES ID

**Section 4 - Certification Statement**

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

This form must be signed by either a principal executive officer or ranking elected official, or duly authorized representative of that person as described in GP-0-08-002 Part VI.J.

First Name

MI

Last Name

Title

Signature



Date

/  /

Send completed form and any attachments to the DEC Central Office at:

MS4 Permit Coordinator  
Division of Water  
4th Floor  
625 Broadway  
Albany, New York 12233-3505





### MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9, 

2	0	0	9
---	---	---	---

If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition: 

Buffalo and Fort Erie Public Bridge Authority
---

SPDES ID  

N	Y	R	4	0	A	4	2	2
---	---	---	---	---	---	---	---	---

**3. What strategies did your MS4/Coalition use to achieve education and outreach goals during this reporting period? Check all that apply:**

- Construction Site Operators Trained # Trained 

			8	6
--	--	--	---	---
- Direct Mailings # Mailings 

--	--	--	--	--
- Kiosks or Other Displays # Locations 

			2	0
--	--	--	---	---
- List-Serves # In List 

--	--	--	--	--
- Mailing List # In List 

--	--	--	--	--
- Newspaper Ads or Articles # Days Run 

--	--	--	--	--
- Public Events/Presentations # Attendees 

		2	7	5
--	--	---	---	---
- School Program # Attendees 

		6	4	0
--	--	---	---	---
- TV Spot/Program # Days Run 

--	--	--	--	--
- Printed Materials: Total # Distributed 

	6	9	0	0
--	---	---	---	---

Locations (e.g. libraries, town offices, kiosks)

K	i	o	s	k	s	/	P	u	b	l	i	c	E	v	e	n	t	s	
C	o	u	n	t	y	,	M	S	4	B	u	i	l	d	i	n	g	s	
L	i	b	r	a	r	y		3	7	E	r	i	e		4	N	i	a	g
C	o	u	n	t	y	S	o	i	l	W	a	t	e	r	D	i	s	t	.

Other:

N	e	w	s	l	e	t	t	e	r										
---	---	---	---	---	---	---	---	---	---	--	--	--	--	--	--	--	--	--	--

Web Page: Provide specific web addresses - not home page. Continue on next page if additional space is needed.

URL

h	t	t	p	/	/	w	w	w	.	e	r	i	e	.	g	o	v	/	e	n	v	i	r	o	n	m	e	n	t	/
c	o	m	p	l	i	a	n	c	e	/	p	o	l	l	u	t	i	o	n	-	s	w	2	.	a	s	p			

URL

w	w	w	.	p	e	a	c	e	b	r	i	d	g	e	.	c	o	m	/	s	t	o	r	m	w	a	t	e	r	.	p
h	p																														

URL




**MS4 Annual Report Form**

This report is being submitted for the reporting period ending March 9, 

2	0	0	9
---	---	---	---

If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition 

Buffalo and Fort Erie Public Bridge Authority
---

SPDES ID  

N	Y	R	4	0	A	4	2	2
---	---	---	---	---	---	---	---	---

**4. Evaluating/Measuring Progress MCM 1**

What indicators do you use to evaluate the overall effectiveness of your Education and Outreach Program, how long have you been tracking them and at what frequency?

*Example\*:*

**Indicator:**

Public phone survey
---------------------

**Began Tracking:**

2005
------

**Frequency:**

Annual
--------

  
*(year)* *(ex.: annual, monthly, biweekly)*

**#**

1000
------

  
*(ex.: samples/participants/events)*

**Results:**

Increased awareness of issues related to use of fertilizers
---

*\* This indicator is provided as an example only.*

**Indicator:**

Education and Outreach at Community Events
--

**Began Tracking:**

2003
------

**Frequency:**

annual schedule
-----------------

  
*(year)* *(ex.: annual, monthly, biweekly)*

**#**

15
----

  
*(ex.: samples/participants/events)*

**Results:**

Increased public awareness of stormwater pollution and how to prevent it at the household level (11 events).
Increased public awareness of Rain Garden as a household stormwater pollution prevention BMP (4 events)

Submit additional pages as needed.

## MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9, 2009

Name of MS4: Buffalo and Fort Erie Public Bridge Authority

SPDES ID: NYR40A422

### Minimum Control Measure 1 – Education and Outreach Program (Continued)

The Authority's Public Education and Outreach Program is documented in their SWMP developed in Year 2 and is comprised of five primary outreach techniques:

1. Continued Western New York Stormwater Coalition (WNYSC) Participation
2. Development and maintenance of a stormwater webpage
3. Distribution of printed material developed by the Coalition
4. Participation in Coalition organized events and program
5. Displaying stormwater informational posters developed by the Coalition

Each program component is described in detail below. Additional activities completed in conjunction with the WNYSC in Year 6 are described elsewhere.

1. **Continued WNYSC Participation** – As a cooperating MS4, the WNYSC will assist the Authority with their Public Education and Outreach Program. The Authority's consultant will continue to attend WNYSC meetings and participate in other WNYSC organized events in the coming year.

**Began Tracking** – 2002

**Frequency** – On-going

**Measures** –

**Goals** – Participate in WNYSC (minimum two meetings per year)

**Results** – The goal was accomplished in Year 6. The Coalition held ten meetings during Year 6, with the exception of July and December. The Authority's consultants attended the following meetings:

2008 – February 15, March 14, April 11, August 15, November 14

2. **Webpage** – An informational webpage was created on the Authority website devoted to stormwater issues relevant to the community. This webpage includes a general description of the stormwater Phase II regulations; pollutants of concern and their sources; the purpose of stormwater management and how the public can become involved; scheduled community events; links to Coalition internet site and brochures; Authority stormwater contact information; and the electronic versions of the Authority's draft and final SWMPARs. The webpage is intended to augment other media for the disseminating stormwater related information and materials to the public. The website was jointly developed in year 4 by the Authority's consultant and IT personnel and both will continue to work together to review and update the website content on a monthly basis or as necessary.

**Began Tracking** – 2006

**Frequency** – Maintain/update on a monthly basis – On-going

**Measures** –

**Goals** – Create a stormwater information page on the Peace Bridge website

## MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9, 2009

Name of MS4: Buffalo and Fort Erie Public Bridge Authority

SPDES ID: NYR40A422

**Results** – The goal was accomplished in Year 6. The website has been reviewed on a monthly basis and updated as necessary.

- Printed Material** – The Coalition has developed stormwater informational brochures and posters for stakeholders throughout Western New York. The Authority will make the brochures developed by the Coalition available at the Administration Building, as well as on the website. The Authority Facilities Manager and Administrative personnel are responsible for maintaining the brochures.

**Began Tracking** – 2005

**Frequency** – On-going

**Measures** –

**Goals** – Make Erie County brochures available at the Administration Building

**Results** – The goal was accomplished in Year 6. Additional brochures are given to the Authority as they become available

- Events and Programs** – The Authority's consultant will assist in the public presentations organized by the Coalition as necessary. The Authority will include notice of informational stormwater presentations by the Coalition on the stormwater website and encourage attendance at the bi-annual public meetings of the Coalition. In addition, Authority personnel will attend and participate in Construction Site Stormwater Runoff and Pollution Prevention/Good housekeeping training activities sponsored by the Coalition when offered.

**Began Tracking** – 2002

**Frequency** – On-going

**Measures** –

**Goals** – Participate in presentations to community groups (organized by WNYSC). Information and attendance logs are available upon request from Erie County DEP 858-7583 – Mary Rossi.

**Results** – The goal was accomplished in Year 6. Additional brochures are given to the Authority as they become available

- Displays** – The Coalition has developed stormwater informational posters and displays. The Authority will display the posters developed by the Coalition in the Administration Building.

**Began Tracking** – 2006

**Frequency** – On-going

**Measures** –

**Goals** – Display WNYSC stormwater poster in Administration Building

**Results** – The goal was accomplished in Year 6.



### MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9, 

2	0	0	9
---	---	---	---

If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition: 

Buffalo and Fort Erie Public Bridge Authority
---

SPDES ID  

N	Y	R	4	0	A	4	2	2
---	---	---	---	---	---	---	---	---

### Minimum Control Measure 2. Public Involvement/Participation

The information in this section is being reported (check one):

- On behalf of an individual MS4
- On behalf of a coalition

How many MS4s contributed to this report? 

--	--	--

**1. What opportunities were provided for public participation in implementation, development, evaluation and improvement of the Stormwater Management Program (SWMP) Plan during this reporting period? Check all that apply:**

- Cleanup Events # Events 

				2
--	--	--	--	---
- Comments on SWMP Received # Comments 

				0
--	--	--	--	---
- Community Hotlines
 

Phone # ( <table border="1" style="display: inline-table;"><tr><td> </td><td> </td><td> </td></tr></table> ) <table border="1" style="display: inline-table;"><tr><td> </td><td> </td><td> </td><td> </td></tr></table> - <table border="1" style="display: inline-table;"><tr><td> </td><td> </td><td> </td><td> </td></tr></table>												Phone #	( <table border="1" style="display: inline-table;"><tr><td> </td><td> </td><td> </td></tr></table> )				<table border="1" style="display: inline-table;"><tr><td> </td><td> </td><td> </td><td> </td></tr></table>					-	<table border="1" style="display: inline-table;"><tr><td> </td><td> </td><td> </td><td> </td></tr></table>				
Phone # ( <table border="1" style="display: inline-table;"><tr><td> </td><td> </td><td> </td></tr></table> ) <table border="1" style="display: inline-table;"><tr><td> </td><td> </td><td> </td><td> </td></tr></table> - <table border="1" style="display: inline-table;"><tr><td> </td><td> </td><td> </td><td> </td></tr></table>												Phone #	( <table border="1" style="display: inline-table;"><tr><td> </td><td> </td><td> </td></tr></table> )				<table border="1" style="display: inline-table;"><tr><td> </td><td> </td><td> </td><td> </td></tr></table>					-	<table border="1" style="display: inline-table;"><tr><td> </td><td> </td><td> </td><td> </td></tr></table>				
Phone # ( <table border="1" style="display: inline-table;"><tr><td> </td><td> </td><td> </td></tr></table> ) <table border="1" style="display: inline-table;"><tr><td> </td><td> </td><td> </td><td> </td></tr></table> - <table border="1" style="display: inline-table;"><tr><td> </td><td> </td><td> </td><td> </td></tr></table>												Phone #	( <table border="1" style="display: inline-table;"><tr><td> </td><td> </td><td> </td></tr></table> )				<table border="1" style="display: inline-table;"><tr><td> </td><td> </td><td> </td><td> </td></tr></table>					-	<table border="1" style="display: inline-table;"><tr><td> </td><td> </td><td> </td><td> </td></tr></table>				
Phone # ( <table border="1" style="display: inline-table;"><tr><td> </td><td> </td><td> </td></tr></table> ) <table border="1" style="display: inline-table;"><tr><td> </td><td> </td><td> </td><td> </td></tr></table> - <table border="1" style="display: inline-table;"><tr><td> </td><td> </td><td> </td><td> </td></tr></table>												Phone #	( <table border="1" style="display: inline-table;"><tr><td> </td><td> </td><td> </td></tr></table> )				<table border="1" style="display: inline-table;"><tr><td> </td><td> </td><td> </td><td> </td></tr></table>					-	<table border="1" style="display: inline-table;"><tr><td> </td><td> </td><td> </td><td> </td></tr></table>				
Phone # ( <table border="1" style="display: inline-table;"><tr><td> </td><td> </td><td> </td></tr></table> ) <table border="1" style="display: inline-table;"><tr><td> </td><td> </td><td> </td><td> </td></tr></table> - <table border="1" style="display: inline-table;"><tr><td> </td><td> </td><td> </td><td> </td></tr></table>												Phone #	( <table border="1" style="display: inline-table;"><tr><td> </td><td> </td><td> </td></tr></table> )				<table border="1" style="display: inline-table;"><tr><td> </td><td> </td><td> </td><td> </td></tr></table>					-	<table border="1" style="display: inline-table;"><tr><td> </td><td> </td><td> </td><td> </td></tr></table>				
Phone # ( <table border="1" style="display: inline-table;"><tr><td> </td><td> </td><td> </td></tr></table> ) <table border="1" style="display: inline-table;"><tr><td> </td><td> </td><td> </td><td> </td></tr></table> - <table border="1" style="display: inline-table;"><tr><td> </td><td> </td><td> </td><td> </td></tr></table>												Phone #	( <table border="1" style="display: inline-table;"><tr><td> </td><td> </td><td> </td></tr></table> )				<table border="1" style="display: inline-table;"><tr><td> </td><td> </td><td> </td><td> </td></tr></table>					-	<table border="1" style="display: inline-table;"><tr><td> </td><td> </td><td> </td><td> </td></tr></table>				
- Community Meetings # Attendees 

--	--	--	--	--
- Plantings Sq. Ft. 

--	--	--	--	--
- Storm Drain Markings # Drains 

--	--	--	--	--
- Stakeholder Meetings # Attendees 

--	--	--	--	--
- Volunteer Monitoring # Events 

--	--	--	--	--
- Other: 

H	o	u	s	e	h	o	l	d	H	a	z	a	r	d	o	u	s	W	a	s	t	e	E	v	e	n	t	s
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

**2. Was public notice of availability of annual report and Stormwater Management Program (SWMP) Plan provided?**  Yes  No

- List-Serve # In List 

--	--	--	--	--
- Newspaper Advertising # Days Run 

				1
--	--	--	--	---
- TV/Radio Notices # Days Run 

--	--	--	--	--
- Other: 

L	i	b	r	a	r	y		o	u	t	r	e	a	c	h		p	r	e	s	s		r	e	l	e	a	s	e
---	---	---	---	---	---	---	--	---	---	---	---	---	---	---	---	--	---	---	---	---	---	--	---	---	---	---	---	---	---

Web Page URL: Enter URL(s) on the following two pages.

### MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9, 2009

If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition

SPDES ID  

N	Y	R	4	0	A	4	2	2
---	---	---	---	---	---	---	---	---

2. URL(s) con't.:

Please provide specific address(es) where notice(s) can be accessed - not home page.

URL

h	t	t	p	/	/	w	w	w	.	e	r	i	e	.	g	o	v	/	e	n	v	i	r	o	n	m	e	n	t	/
c	o	m	p	l	i	a	n	c	e	/	p	o	l	l	u	t	i	o	n	-	s	w	2	.	a	s	p			

URL

h	t	t	p	:	/	/	w	w	w	.	p	e	a	c	e	b	r	i	d	g	e	.	c	o	m	/	s	t	o	r	m
w	a	t	e	r	.	p	h	p																							

URL


URL


URL


URL


URL


URL


URL


URL




### MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9, 2009

If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition

SPDES ID

### 3. Where can the public access copies of the annual report, Stormwater Management Program (SWMP) Plan and submit comments on those documents?

Enter address/contact info and select radio button to indicate which document is available and whether comments may be submitted at that location. Submit additional pages as needed.

MS4/Coalition Office  Annual Report  SWMP Plan  Comments

Department

Address

City  Zip   -

Phone  
(  )  -

Library  Annual Report  SWMP Plan  Comments

Address

City  Zip  -

Phone  
(  )  -

Other  Annual Report  SWMP Plan  Comments

Address

City  Zip   -

Phone  
(  )  -

Web Page URL:  Annual Report  SWMP Plan  Comments

Please provide specific address of page where report can be accessed - not home page.

eMail  Comments

**MS4 Annual Report Form**

This report is being submitted for the reporting period ending March 9, 

2	0	0	9
---	---	---	---

If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition 

Buffalo and Fort Erie Public Bridge Authority
---

SPDES ID  

N	Y	R	4	0	A	4	2	2
---	---	---	---	---	---	---	---	---

**4. Were comments received during this reporting period?**  Yes  No  
If Yes, attach comments, responses and changes made to SWMP in response to comments to this report.

If submitting a report for single MS4, answer 5.a.. If submitting a joint report, answer 5.b..

**5.a. Was an Annual Report public meeting held in this reporting period?**  Yes  No  
If Yes, what was the date of the meeting? 

--	--

 / 

--	--

 / 

--	--	--	--

If No, is one planned?  Yes  No

**5.b. Was an Annual Report public meeting held for all MS4s contributing to this report during this reporting period?**  Yes  No

If No, is one planned for each?  Yes  No

**MS4 Annual Report Form**

This report is being submitted for the reporting period ending March 9, 

2	0	0	9
---	---	---	---

If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition	Buffalo and Fort Erie Public Bridge Authority	SPDES ID	N	Y	R	4	0	A	4	2	2
-----------------------	---	----------	---	---	---	---	---	---	---	---	---

**6. Evaluating/Measuring Progress MCM 2**

What indicators do you use to evaluate the overall effectiveness of your Public Involvement/Participation Program, how long have you been tracking them and at what frequency?

*Example\*:*

**Indicator:** Number of attendees at public events

**Began Tracking:** 2005 *(year)*      **Frequency:** Annual *(ex.: annual, monthly, biweekly)*

**#** 1000 *(ex.: samples/participants/events)*

**Results:** Attendance at public events has increased 200% since 2005.

*\* This indicator is provided as an example only.*

**Indicator:** Participation in Household Hazardous Waste Collections

**Began Tracking:** 2003 *(year)*      **Frequency:** annual *(ex.: annual, monthly, biweekly)*

**#** HHW: 2,630 participants; 3 events; Pharmaceutical: 117 participants; 1 event *(ex.: samples/participants/events)*

**Results:** Waste oil - 2,025 gal./Antifreeze - 515 gal./Gasoline - 390 gal./Paint - 19,780 gal./  
Pesticides - 9,846 lbs./Acids & Oxidizers - 1,925 gal.  
  
Pharmaceutical collection (Niagara County) - Solid Dosage Units/Liquids - 26lbs./  
Hazardous Waste - 12 lbs./Non-hazardous, Non-controlled substances 265 lbs.

Submit additional pages as needed.

## **MS4 Annual Report Form**

This report is being submitted for the reporting period ending March 9, 2009

Name of MS4: Buffalo and Fort Erie Public Bridge Authority

SPDES ID: NYR40A422

### Minimum Control Measure 2 – Public Involvement/Participation (Continued)

The Authority's Public Involvement and Participation Program is documented in their SWMP developed in Year 2. The program defines the documents that will be made available to the public and how this will be accomplished, the Authority's target audience, public notice venues and content, the draft annual report review process, and additional targeted public involvement/participation opportunities.

Components of the Authority's program are described below. As a cooperating MS4, the WNYSC will assist the Authority with their Public Involvement and Participation Program. Additional activities completed in conjunction with the WNYSC in Year 6 are described in "Additional Techniques".

1. **Public Access to Documents and Information** – The Authority will make the following documents available to the public: Notice of Intent, draft and final Annual Reports, SWMP summary, stormwater informational brochures and displays. These are available both at the Administration Building and through the stormwater page on the Authority's website ([www.peacebridge.com](http://www.peacebridge.com)). The Authority's Facilities Manager and Administrative personnel maintain hardcopy documents while the Authority's consultant and IT personnel maintain documents on the website.

**Schedule** – On-going

**Measures** –

**Goals** – Make Stormwater Management program (SWMP) available to the public.

**Results** – The goal was accomplished in Year 6. Hardcopies of the SWMP were available on request from the Stormwater Contact and at the Administration Building. The documents listed are also posted on the stormwater page on the Authority's website.

2. **Public Notice Venues** – Public notice information will be distributed utilizing a minimum of one of the following venues:
  - a. Notice will be sent to Authority personnel, tenants, and interest groups through email distribution lists,
  - b. Public notice information will be posted on stormwater page of the Authority's website,
  - c. A public notice will be run in the local newspaper.
3. **WNYSC Meetings** – The WNYSC opens its meetings to the public two times per year, in October and in April, to enhance public access to information and encourage involvement. The meetings consist of a brief overview of the stormwater regulations and how the public can be involved. The public in attendance are invited to participate in any of the Coalition's workgroups. The draft Annual Report, public education materials and other information are provided.

**Frequency** – Bi-annual

## **MS4 Annual Report Form**

This report is being submitted for the reporting period ending March 9, 2009

Name of MS4: Buffalo and Fort Erie Public Bridge Authority

SPDES ID: NYR40A422

### **Measures –**

**Goals –** Open WNYSC meetings to the public

**Results –** The goal was accomplished in Year 6. April 9, 2008 and October 8, 2008 were made open to the public.

### **4. Public Presentation and Comments received on SWMP and Annual Report –**

- a. The draft Year 6 Annual Report was posted on the Authority's website for review and comment in May 2009,
- b. Hard copies of the draft Year 6 Annual Report were available on request from the Stormwater Contact,
- c. Additional opportunities for public review of the Annual Report were at six public libraries (four in Erie County, two in Niagara County). The library outreach is conducted by Erie County staff to receive public comment on the draft Annual report and also use the public education display and public education materials for general outreach,
- d. Similar activities will be conducted in the coming year.

### **Began Tracking – 2002**

**Frequency –** On-going

### **Measures –**

**Goals –** Make SWMP Annual Report available to the public.

**Results –** The goal was accomplished in Year 6.

**Permit Reference IV.C.2.a, f:** Develop procedures to provide public notice about and access to documents and information in a manner that complies with state and local public notice requirements.

- Open WNYSC meetings and opportunities for annual report review at library events are publicized via press release to the Buffalo News, Niagara Gazette and all weekly community newspapers serving the regulated municipalities by the WNYSC, and are also listed on the Authority's stormwater website in May. Availability of the draft Annual Report for review from the Administration Building and Stormwater contact is also promoted on the Authority's website. In May, the Authority posts the draft annual report on their website for review and comment by the public.

**Permit Reference IV.C.2.e:** Public presentation of; **f:** summary of comments received on; and **g:** intended response to comments on the SWMPAR.

### **Additional Techniques (Completed in conjunction with the WNYSC)**

1. **Stream, Beach, Roadway Cleanups –** The WNYSC is working in cooperation with the Buffalo Niagara Riverkeepers, a local watershed organization, on spring and fall cleanup



## **MS4 Annual Report Form**

This report is being submitted for the reporting period ending March 9, 2009

*Name of MS4:* Buffalo and Fort Erie Public Bridge Authority

*SPDES ID:* NYR40A422

events such as the beach Sweep U.S.A. (Autumn), Great American Cleanup (March-May); Spring Shoreline Sweep (April).

### **2. Household Hazardous Waste Collections –**

- Erie County – held three household hazardous waste collections in 2008. The following amounts were collected:
  - Waste oil – 2,025 gal.
  - Antifreeze – 515 gal.
  - Gasoline – 390 gal.
  - Paint – 19,780 gal.
  - Pesticides – 9,846 lbs.
  - Acids & Oxidizers – 1,925 gal.







**MS4 Annual Report Form**

This report is being submitted for the reporting period ending March 9, 

2	0	0	9
---	---	---	---

If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition	Buffalo and Fort Erie Public Bridge Authority	SPDES ID	<table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>N</td><td>Y</td><td>R</td><td>4</td><td>0</td><td>A</td><td>4</td><td>2</td><td>2</td></tr></table>	N	Y	R	4	0	A	4	2	2
N	Y	R	4	0	A	4	2	2				

**12. Evaluating/Measuring Progress MCM 3**

What indicators do you use to evaluate the overall effectiveness of your Illicit Discharge Elimination Program, how long have you been tracking them and at what frequency?

*Example\*:*

<b>Indicator:</b>	Number of illicit discharges identified/eliminated		
<b>Began Tracking:</b>	2005 <small>(year)</small>	<b>Frequency:</b>	Monthly inspections <small>(ex.: annual, monthly, biweekly)</small>
<b>#</b>	25 illicit discharges identified/24 eliminated <small>(ex.: samples/participants/events)</small>		

<b>Results:</b>	<p>Since 2005, the number of annual inspections has doubled. We have developed a tracking system and illicit discharges that have been identified are being eliminated, on average, within a week of discovery.</p>
-----------------	---

*\* This indicator is provided as an example only.*

<b>Indicator:</b>	Review and Update Stormwater Management Plan		
<b>Began Tracking:</b>	2002 <small>(year)</small>	<b>Frequency:</b>	Annually <small>(ex.: annual, monthly, biweekly)</small>
<b>#</b>	 <small>(ex.: samples/participants/events)</small>		

<b>Results:</b>	<p>This goal was accomplished in Year 6. The Authority's SWMP was reviewed in August 2008 and revisions to the SWMP were not required at this time.</p>
-----------------	---

**Submit additional pages as needed.**

## **MS4 Annual Report Form**

This report is being submitted for the reporting period ending March 9, 2009

*Name of MS4:* Buffalo and Fort Erie Public Bridge Authority

*SPDES ID:* NYR40A422

### Minimum Control Measure 3 – Illicit Discharge and Detection Elimination - IDDE (Continued)

1. **Stormwater Management Program** – In Year 2, the Authority developed a written SWMP that outlines a process for identifying existing illicit discharges and states that illicit discharges are prohibited on Authority property. A copy of the Authority's SWMP is available upon request from the Contact. The Authority's written SWMP will be reviewed and updated by the Authority's consultant on an annual basis. Information developed as part of the WNYSC SWMP will be incorporated in the Authority's SWMP, when applicable.

**Began Tracking** – 2002

**Frequency** – On-going / annual

**Measures** –

**Goals** – Review and update SWMP annually.

**Results** – This goal was accomplished in Year 6. The Authority's SWMP was reviewed in August 2008 and revisions to the SWMP were not required at this time.

2. **IDDE Prevention Program** –The Authority will utilize the following mechanisms to prohibit and prevent illicit discharges and the procedures to be followed on Authority property:

- Authority employees will be trained on illicit discharges and the procedures to be followed on Authority property. Enforcement procedures for violations will be outlined during the training.
- Tenants on the Authority's properties will be notified of the need to adhere to State and local laws prohibiting illicit discharge.
- NYSDOT Standard Specifications for water quality protection and temporary soil erosion and sediment control will be incorporated or referenced in all construction/bid documents as a basis for construction site stormwater runoff control (refer to Minimum Control Measure 4).

**Measures** –

**Goals** – Notify Authority's tenants of the needs to adhere to stormwater management practices.

**Results** –The Authority's consultant researched example lease agreement language and began drafting text for use in the Authority's tenant leases; however, in conjunction with the EIS that the Authority is currently undertaking for a new bridge and plaza, the current tenant leases are being renegotiated. Until such time as lease agreements may be amended, the Authority has issued a letter to all tenants. This letter informs all tenants of the Authority's stormwater program and requests their compliance.

## MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9, 2009

Name of MS4: Buffalo and Fort Erie Public Bridge Authority

SPDES ID: NYR40A422

3. **Stormwater Conveyance System Inspection and Mapping Updates** – The Authority will complete a field walk-through and visually inspect the stormwater conveyance system on an annual basis. Information gathered during the walk-through will be used to update base mapping. Inspections will be completed by a 2-3 person team comprised of Authority personnel and the Authority's consultant.

In Year 4, a comprehensive inspection of each conveyance system facility was completed to confirm system mapping and document the existing condition of each facility. The Authority has 7 outfalls, all of which are inter-municipal subsurface conveyances, and 100% of these have been mapped in CAD. The Authority also has 3 storm sewer-sheds which have been delineated on the mapping. A formal numbering convention was developed and a unique number was assigned to each stormwater facility for future tracking purposes. Inspections were documented using the Authority's detailed inspection form that was included in the Year 3 Annual Report. The data gathered will be used to prioritize cleaning and maintenance efforts.

**Began Tracking** – 2006

**Frequency** – On-going, last inspection on November 5, 2008.

**Measures** –

**Goals** – Update collection system and outfalls map.

**Results** – The goal was accomplished in Year 6. All seven locations were inspected on November 5, 2008. Of these, six were inspected using a CCTV camera and one was inspected visually. Of the seven locations inspected, two were found not to exist (i.e., they are not outfalls); two were observed to be combined sanitary and storm sewer outfalls, not separate storm sewer outfalls; and three were storm sewer outfalls in good structural condition. In addition, several discrepancies were observed between the Authority's Sewer Drainage Plan and actual field conditions. The Sewer Drainage Plan has been revised according to field observations.

4. **Illicit Connection Identification and Dye Testing** – In Year 4 dye testing was utilized to confirm the configuration of the Authority's stormwater collection system and identify illicit connections on Authority property. Specifically, dye testing was used to determine the connection point of building floor drains and any suspect facilities identified during the comprehensive field walk-through.

In subsequent years, illicit connections will be identified through the annual visual inspection of facilities and dye testing will be performed on specific facilities on an as-needed basis.

**Began Tracking** – 2006

**Frequency** – On-going

**Measures** –

**Goals** – Dye testing and tracking of storm sewer system, identify illicit connections.

## **MS4 Annual Report Form**

This report is being submitted for the reporting period ending March 9, 2009

*Name of MS4:* Buffalo and Fort Erie Public Bridge Authority

*SPDES ID:* NYR40A422

**Results** – The goal was accomplished in Years 4 (dye testing) and Years 5 & 6 (facility inspections and CCTV inspection).

- 5. Employee Stormwater Training** – The Authority will organize and conduct training sessions for employees on stormwater management. Topics will include, at a minimum, an overview of stormwater and the SPDES permit requirements; the potential impacts of illicit connections and discharges on stormwater and how they can be detected and eliminated; best management practices for stormwater management; review of the Authority's Stormwater Management Program; and standard operating procedures.

**Began Tracking** – 2006

**Frequency** – Initial training conducted in Year 5, repeated on a two year schedule thereafter.

**Measures** –

**Goals** – Conduct informational workshop with Authority employees.

**Results** – The goal was accomplished in Year 5. An initial training session was held on Oct 15, 2007. Attendance records are available upon requests from Parsons, 716.541.0743 - Thomas Boyle.

- 6. WNYSC GIS Outfall Mapping (Completed in conjunction with the WNYSC)** –

The initial GIS mapping of outfalls for the WNYSC members was completed in November 2006. All data was reviewed by MS4s for QA/QC purposes and the necessary revisions, additions and deletions were completed by November 2007.

An initial visual inspection was conducted by the outfall mapping contractor on each of the outfalls mapped during the Year 3 and Year 4 reporting periods. The information and data detailing the inspections was made available to all of the MS4s by the contractor as part of the GIS mapping database.

The outfall mapping data has been incorporated into a GIS database which all of the member MS4s have access to through the Erie County web site (<http://gis1.erie.gov/website/ENSSO/viewer.htm>). This database of information, as well as the map, is being used to implement the IDDE programs, track potential discharges and set goals for the IDDE program. Erie County's GIS Department maintains the outfall mapper and has established procedures for MS4s to update their records and add/remove outfalls as needed. A standardized form to update the outfall map has been distributed.

**Measures** –

**Goals** – Develop procedures for updating outfall mapping.

**Results** – The goal was accomplished in March 2008.



## **MS4 Annual Report Form**

This report is being submitted for the reporting period ending March 9, 2009

*Name of MS4:* Buffalo and Fort Erie Public Bridge Authority

*SPDES ID:* NYR40A422

7. **IDDE Program Procedures and Protocol** - An Illicit Discharge Detection & Elimination Program protocol has been developed and incorporated into the WNYSC Stormwater Management Plan. This protocol was evaluated and refined through a pilot IDDE track down project with Buffalo State College.

**Measures –**

**Goals –** Develop procedures and protocols for Illicit Discharge Detection and Elimination.

**Results –** On March 6, 2009, an Illicit Discharge Training that focused on sampling outfall discharges, track down procedures, source identification and elimination was held and attended by the Authority's consultant.

8. **Illicit Discharge Public Outreach** - Industry specific brochures have been developed for nine targeted industry and business groups informing them of how they can prevent stormwater pollution. These brochures are available on the Peace Bridge and Erie County websites, and printed copies are available at the Administration Building. Direct mailing to the construction related businesses, registered pesticide applicators, restaurants, automotive repair facilities, mobile cleaners, pool, spa & fountain operators, concrete operations, roadway and paving operations and hospitals and healthcare facilities in Erie and Niagara Counties has been completed. If necessary the WNYSC will develop additional industry specific brochure(s) should any new targeted priority business groups emerge among the MS4s.

**Measures –**

**Goals –** Develop public outreach brochures.

**Results –** The goal was accomplished.

### MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9, 

2	0	0	9
---	---	---	---

If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition 

Buffalo and Fort Erie Public Bridge Authority
---

SPDES ID  

N	Y	R	4	0	A	4	2	2
---	---	---	---	---	---	---	---	---

### Minimum Control Measures 4 and 5. Construction Site and Post-Construction Control

The information in this section is being reported (check one):

- On behalf of an individual MS4
- On behalf of a coalition

How many MS4s contributed to this report? 

--	--	--

1. Has each Town, City and/or Village contributing to this report adopted a law, ordinance or other regulatory mechanism that provides equal protection to the NYS SPDES General Permit for Stormwater Discharges from Construction Activities?  Yes  No

If Yes, provide date of equivalent NYS Sample Local Law.  09/2004  03/2006

2. Does your MS4/Coalition have a SWPPP review procedure in place?  Yes  No

3. How many Construction Stormwater Pollution Prevention Plans (SWPPPs) have been reviewed in this reporting period? 

		0
--	--	---

4. Does your MS4/Coalition have a mechanism for receipt and consideration of public comments related to construction SWPPPs?  Yes  No

If Yes, how many public comments were received during this reporting period? 

		0
--	--	---

5. Does your MS4/Coalition provide education and training for contractors about the local SWPPP process?  Yes  No

6. Identify which of the following types of enforcement actions you used during the reporting period for construction activities, indicate the number of actions, or note those for which you do not have authority:

- |  |   |  |  |  |  |  |  |  |                                    |
|--|---|--|--|--|--|--|--|--|------------------------------------|
| <input type="radio"/> Notices of Violation     | # | <table border="1" style="display: inline-table;"><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table> |  |  |  |  |  |  | <input type="radio"/> No Authority |
|  |   |  |  |  |  |  |  |  |                                    |
| <input type="radio"/> Stop Work Orders         | # | <table border="1" style="display: inline-table;"><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table> |  |  |  |  |  |  | <input type="radio"/> No Authority |
|  |   |  |  |  |  |  |  |  |                                    |
| <input type="radio"/> Criminal Actions         | # | <table border="1" style="display: inline-table;"><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table> |  |  |  |  |  |  | <input type="radio"/> No Authority |
|  |   |  |  |  |  |  |  |  |                                    |
| <input type="radio"/> Termination of Contracts | # | <table border="1" style="display: inline-table;"><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table> |  |  |  |  |  |  | <input type="radio"/> No Authority |
|  |   |  |  |  |  |  |  |  |                                    |
| <input type="radio"/> Administrative Fines     | # | <table border="1" style="display: inline-table;"><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table> |  |  |  |  |  |  | <input type="radio"/> No Authority |
|  |   |  |  |  |  |  |  |  |                                    |
| <input type="radio"/> Civil Penalties          | # | <table border="1" style="display: inline-table;"><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table> |  |  |  |  |  |  | <input type="radio"/> No Authority |
|  |   |  |  |  |  |  |  |  |                                    |
| <input type="radio"/> Administrative Orders    | # | <table border="1" style="display: inline-table;"><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table> |  |  |  |  |  |  | <input type="radio"/> No Authority |
|  |   |  |  |  |  |  |  |  |                                    |
| <input type="radio"/> Other                    | # | <table border="1" style="display: inline-table;"><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table> |  |  |  |  |  |  | <input type="radio"/> No Authority |
|  |   |  |  |  |  |  |  |  |                                    |

**MS4 Annual Report Form**

This report is being submitted for the reporting period ending March 9, 

2	0	0	9
---	---	---	---

If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition

Buffalo and Fort Eric Public Bridge Authority

SPDES ID

N	Y	R	4	0	A	4	2	2
---	---	---	---	---	---	---	---	---

**Minimum Control Measure 4. Construction Site Stormwater Runoff Control**

The information in this section is being reported (check one):

- On behalf of an individual MS4  
 On behalf of a coalition

How many MS4s contributed to this report? 

--	--	--

1. How many construction projects have been authorized for disturbances of one acre or more during this reporting period? 

		0
--	--	---
2. How many construction projects disturbing at least one acre were active in your jurisdiction during this reporting period? 

		0
--	--	---
3. What percent of active construction sites were inspected during this reporting period? 

--	--	--

 %
4. What percent of active construction sites were inspected more than once? 

--	--	--

 %
5. Do all inspectors working on behalf of the MS4s contributing to this report use the NYS Construction Stormwater Inspection Manual?  Yes  No
6. Does your MS4/Coalition provide public access to Stormwater Pollution Prevention Plans (SWPPPs) of construction projects that are subject to MS4 review and approval?  Yes  No

If Yes, use the following page to identify location(s) where SWPPPs can be accessed.



**MS4 Annual Report Form**

This report is being submitted for the reporting period ending March 9, 

2	0	0	9
---	---	---	---

If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition 

Buffalo and Fort Eric Public Bridge Authority
---

SPDES ID

N	Y	R	4	0	A	4	2	2
---	---	---	---	---	---	---	---	---

**7. Evaluating/Measuring Progress MCM 4**

What indicators do you use to evaluate the overall effectiveness of your Construction Site Stormwater Management Program, how long have you been tracking them and at what frequency?

*Example\*:*

**Indicator:**

Percent SWPPPs reviewed
-------------------------

**Began Tracking:**

2005
------

*(year)*

**Frequency:**

Upon submission
-----------------

*(ex.: annual, monthly, biweekly)*

#

50 SWPPPs
-----------

*(ex.: samples/participants/events)*

**Results:**

100% of SWPPPs were reviewed. 50% of the SWPPPs reviewed were returned with comments. All of these were returned with modifications reflecting NYS Standards.
---

*\* This indicator is provided as an example only.*

**Indicator:**

Develop construction site plan review checklist
---

**Began Tracking:**

2006
------

*(year)*

**Frequency:**

Complete
----------

*(ex.: annual, monthly, biweekly)*

#

*(ex.: samples/participants/events)*

**Results:**

This goal was accomplished in 2006 (Year 4). Three standard checklists for construction site plan review were incorporated into the Authority's SWMP (Appendix G).
--

Submit additional pages as needed.

## MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9, 2009

Name of MS4: Buffalo and Fort Erie Public Bridge Authority

SPDES ID: NYR40A422

### Minimum Control Measure 4– Construction Site Stormwater Runoff Control (Continued)

In Year 2, the Authority developed a written SWMP that defines their construction site stormwater runoff control program, best management practices (BMPs) and maintenance practices for BMPs. The construction site stormwater runoff control program outlines erosion and sediment control requirements and procedures for construction site plan review, public comment on construction plans, construction site waste management, site inspections, enforcement, and education and training of construction site operators. A copy of the Authority's SWMP is available upon request (Anthony Braunscheidel: 716-884-6744 ext. 242).

The Authority's written SWMP will be reviewed and updated on an annual basis. Information developed as part of the Coalition SWMP, including BMP maintenance standards, will be incorporated in the Authority's SWMP where applicable.

**Frequency** – On-going / annual

**Measures** –

**Goals** – Review and update SWMP annually.

**Results** – This goal was accomplished in Year 6. The Authority's SWMP was reviewed in August 2008 and revisions to the SWMP were not required at this time.

1. **CONSTRUCTION SITE PLAN REVIEW PROCEDURES** - The Authority is a private, non-traditional MS4 operator, and, as a result, has full control over all construction projects on its property. Bid documents and design drawings for any work completed on Authority property will be developed under the Authority's direction by consultants under contract with the Authority. As part of the design phase of each project, the Facilities Manager or Authority's consultant will review the SWPPP and design drawings in detail and provide feedback on stormwater-related issues, such as potential water quality impacts and consistency with Authority sediment and erosion control requirements. The following three standard review checklists were incorporated into the Authority's SWMP (Appendix G) in August 2006:

1. Example Checklist for Preliminary Stormwater Management Plan Preparation and Review (*New York State Stormwater Management Design Manual*, October 2001)

2. Example Checklist for Final Stormwater Management Plan Preparation and Review (*New York State Stormwater Management Design Manual*, October 2001)

3. Stormwater Pollution Prevention Plan (SWPPP) Checklist (*New York Standards for Erosion and Sediment Control*, March 2003)

**Frequency** – Complete

**Measures** –

**Goals** – Develop construction site plan review checklist.

## MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9, 2009

Name of MS4: Buffalo and Fort Erie Public Bridge Authority

SPDES ID: NYR40A422

**Results** – This goal was accomplished in Year 4. The three standard checklists listed above have been incorporated into the Authority's SWMP (Appendix G) to assist with construction site plan review.

- 2. Erosion and Sediment Control Requirements** – The Authority requires that proper erosion and sediment control practices are implemented on all construction projects on Authority property greater than or equal to one acre in size. All erosion and sediment controls shall be designed in accordance with the New York State Standards and Specifications for Erosion and Sediment Control, and stamped by a licensed New York State Professional Engineer. The Authority will include this requirement in specifications for each construction project. NYSDOT Standard Specifications for water quality protection and temporary soil erosion and sediment control will be incorporated or referenced in all construction/bid documents as a basis for construction site stormwater runoff control.

If erosion and sediment controls for a project have been specified but not designed by the project engineer, control methods must be designed and stamped by a licensed New York State Professional Engineer and submitted to the project engineer for approval. Work may not commence until the contractor receives written approval from the project engineer that the controls are acceptable as designed. Construction site operators are required to implement erosion and sediment control management practices as designed or specified and approved by the project engineer at all times throughout the construction duration.

**Measures** –

**Goals** – Incorporate Erosion and Sediment Control Requirements on all construction projects.

**Results** – There were no construction projects greater than or equal to one acre in scope in Year 6. The Authority decided that they will continue to incorporate or reference NYSDOT Standard Specifications in all construction/bid documents as a basis for construction site stormwater runoff control, and these can be modified, as necessary, on a project-by-project basis.

- 3. Public Comment on Construction Plans** – The Authority will provide an opportunity for public comment on construction projects greater than or equal to one acre in scope, and will comply with State and local public notice requirements when advertising in the public notice venues described in Minimum Control Measure 2. Comments received will be documented and given consideration in finalizing the construction plans.

**Measures** –

**Goals** – Inform public and provide opportunity for comment on projects greater than or equal to one acre in scope.

**Results** – There were no construction projects greater than or equal to one acre in scope in Year 6.

## MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9, 2009

Name of MS4: Buffalo and Fort Erie Public Bridge Authority

SPDES ID: NYR40A422

4. **Site Inspections** – The Authority will contract with an independent consultant to provide construction oversight and inspection on all projects greater than one acre. The consultant will be responsible for ensuring all erosion and sediment controls are installed as designed or approved by the project engineer. Authority maintenance personnel will also periodically conduct a site walk-through to verify stormwater controls are in place and operating as designed. A standard inspection checklist, entitled “Stormwater-Related Maintenance Tracking Form – Construction Site Inspection,” was developed and incorporated into the Authority’s SWMP (Appendix G) in August 2006.

**Began Tracking** – 2006

**Frequency** – On-going

**Measures** –

**Goals** – Develop site inspection checklist;

- Inspect sites for compliance with regulatory mechanism and BMPs.

**Results** – This goal was accomplished in Year 4. A standard inspection checklist, entitled “Stormwater-Related Maintenance Tracking Form – Construction Site Inspection,” was developed and incorporated into the Authority’s SWMP (Appendix G) to assist with construction site inspection.

- There were no construction projects greater than or equal to one acre in scope in Year 6, therefore site inspections were not required.

5. **Enforcement** – Enforcement requirements will be determined on a project-by-project basis, and penalties for non-compliance with the Authority’s stormwater construction site stormwater runoff control program will be documented in the project specifications. The NYSDOT Standard Specification for prosecution and progress will be incorporated or referenced in all construction/bid documents as a basis for construction site stormwater runoff control enforcement.

**Began Tracking** – 2006

**Frequency** – On-going. To be implemented on jobs equal or greater than one acre in scope.

**Measures** –

**Goals** – Issue stormwater requirements to construction site operators during bidding process

**Results** – There were no construction projects greater than or equal to one acre in scope in Year 6. The Authority decided that they will continue to incorporate or reference NYSDOT Standard Specifications in all construction/bid documents as a basis for construction site stormwater runoff control, and these can be modified, as necessary, on a project-by-project basis.



## **MS4 Annual Report Form**

This report is being submitted for the reporting period ending March 9, 2009

*Name of MS4:* Buffalo and Fort Erie Public Bridge Authority

*SPDES ID:* NYR40A422

6. **Distribute Educational Materials to Construction Site Operators** – The public education materials developed for contractors will be distributed by the WNYSC via direct mail and also made available over the internet.

**Frequency** – On-going as needed

**Measures** –

**Goals** – Distribute as required, also make available via the internet.

**Results** – The goal was accomplished in Year 6.



**MS4 Annual Report Form**

This report is being submitted for the reporting period ending March 9, 

2	0	0	9
---	---	---	---

If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition: 

Buffalo and Fort Erie Public Bridge Authority									
---	--	--	--	--	--	--	--	--	--

 SPDES ID: 

N	Y	R	4	0	A	4	2	2
---	---	---	---	---	---	---	---	---

**4. Evaluating/Measuring Progress MCM 5**

What indicators do you use to evaluate the overall effectiveness of your Post-Construction Stormwater Management Program, how long have you been tracking them and at what frequency?

*Example\*:*

**Indicator:**

Number of reports of flooding during storm events from business district									
--	--	--	--	--	--	--	--	--	--

**Began Tracking:**

2005	
<i>(year)</i>	

**Frequency:**

Annual Summary									
<i>(ex.: annual, monthly, biweekly)</i>									

# 

18									
<i>(ex.: samples/participants/events)</i>									

**Results:**

During this reporting period, we experienced average rainfall, but DPW records show that the number of incidences of flooding in the business district fell 25%. This is attributable to increased inspection and maintenance of post construction BMPs.									
--	--	--	--	--	--	--	--	--	--

*\* This indicator is provided as an example only.*

**Indicator:**

Inspection and maintenance of stormwater conveyance systems									
---	--	--	--	--	--	--	--	--	--

**Began Tracking:**

2003	
<i>(year)</i>	

**Frequency:**

On-going / annual									
<i>(ex.: annual, monthly, biweekly)</i>									

# 

See below									
<i>(ex.: samples/participants/events)</i>									

**Results:**

This goal was accomplished in Year 6. Authority personnel inspected catch basins in March 2008 and July 2008; catch basins were cleaned July 7-18, 2008; interior storm facilities were cleaned in the US shop in July 2008; and oil/water separators were inspected July 17, 2008 and cleaned on July 17, 2008.									
--	--	--	--	--	--	--	--	--	--

Submit additional pages as needed.

## MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9, 2009

Name of MS4: Buffalo and Fort Erie Public Bridge Authority

SPDES ID: NYR40A422

### Minimum Control Measure 5 – Post-Construction Stormwater Management (Continued)

1. **Structural Management Practices** – The Authority has proactively implemented structural post-construction BMPs, including oil/water separators and an in-line spill containment system, and will continue to utilize these structural post-construction BMPs to address stormwater runoff from new development and redevelopment projects that disturb greater than or equal to one acre.

The existing structural BMPs will be evaluated on an annual basis to ensure their appropriateness and effectiveness in reducing stormwater runoff impacts to the maximum extent practicable. Structural BMPs will be updated as necessary during the annual SWMP review to reflect changing conditions on Authority property.

**Frequency** – On-going / annual

**Measures** –

**Goals** – Update BMP and incorporate into the SWMP

**Results** – This goal was accomplished in Year 6. The Authority's SWMP was reviewed in August 2008 and revisions to the SWMP were not required at this time.

2. **Stormwater Conveyance System Inspection and Maintenance** –The Authority's storm sewers, catch basins, and post-construction BMPs (i.e., oil/water separators) are inspected on an annual basis by the Authority Maintenance Staff to identify maintenance needs. This inspection is typically conducted in spring (March or April) following the final snowmelt of the season and documented on the Authority's detailed inspection form.

Stormwater conveyance facilities are cleaned on an "as-needed" basis in conjunction with the annual inspection, and as required following a spill incident. Typical maintenance procedures include removal of large debris and silt from stormwater facilities. When sewer maintenance needs exceed the capabilities of the Authority Maintenance Staff, the Authority will contract an outside firm, who is a certified waste hauler, to complete the required work.

**Frequency** – On-going / annual

**Measures** –

**Goals** – Continue to develop inspection and maintenance program

**Results** –This goal was accomplished in Year 4. A comprehensive system inspection was completed the week of April 10, 2006. Recommendations from this inspection were documented in a memorandum. This work was used to further refine the inspection and maintenance program, which is now set and fully operational.

## **MS4 Annual Report Form**

This report is being submitted for the reporting period ending March 9, 2009

*Name of MS4:* Buffalo and Fort Erie Public Bridge Authority

*SPDES ID:* NYR40A422

**Goals** - Implement inspection and maintenance program.

**Results** - This goal was accomplished in Year 6. Authority personnel inspected catch basins in March 2008 and July 2008; catch basins were cleaned July 7-18, 2008; interior storm facilities were cleaned in the US shop in July 2008; and oil/water separators were inspected July 17, 2008 and cleaned on July 17, 2008.

\* As a private, non-traditional MS4 operator, the Authority is fully responsible for implementing post-construction management practices, as well as properly operating and maintaining them. Therefore, a regulatory mechanism for program enforcement is not required.

**MS4 Annual Report Form**

This report is being submitted for the reporting period ending March 9, 

2	0	0	9
---	---	---	---

If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition 

Buffalo and Fort Erie Public Bridge Authority
---

SPDES ID 

N	Y	R	4	0	A	4	2	2
---	---	---	---	---	---	---	---	---

**Minimum Control Measure 6. Stormwater Management for Municipal Operations**

The information in this section is being reported (check one):

- On behalf of an individual MS4
- On behalf of a coalition

How many MS4s contributed to this report? 

--	--	--

**1. Choose/list each municipal operation/facility that contributes or may potentially contribute Pollutants of Concern to the MS4 system. For each operation/facility indicate whether the operation/facility has been addressed in the MS4's/Coalition's Stormwater Management Program(SWMP) Plan and whether a self-assessment has been performed during the reporting period. A self-assessment is performed to: 1) determine the sources of pollutants potentially generated by the permittee's operations and facilities; 2) evaluate the effectiveness of existing programs and 3) identify the municipal operations and facilities that will be addressed by the pollution prevention and good housekeeping program, if it's not done already.**

<u>Operation/Activity/Facility</u>	<u>Addressed in SWMP?</u>	<u>Self-Assessment Operation/Activity/Facility performed within the past 3 years?</u>
Street Maintenance.....	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
Bridge Maintenance.....	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
Winter Road Maintenance.....	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
Salt Storage.....	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No
Solid Waste Management.....	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No
New Municipal Construction and Land Disturbance..	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No
Winter Road Maintenance.....	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
Right of Way Maintenance.....	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No
Marine Operations.....	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No
Hydrologic Habitat Modification.....	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No
Parks and Open Space.....	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No
Municipal Building.....	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No
Stormwater System Maintenance.....	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
Vehicle and Fleet Maintenance.....	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
Other.....	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No

**MS4 Annual Report Form**

**This report is being submitted for the reporting period ending March 9,**

2	0	0	9
---	---	---	---

If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition 

Buffalo and Fort Erie Public Bridge Authority
---

SPDES ID 

N	Y	R	4	0	A	4	2	2
---	---	---	---	---	---	---	---	---

**2. Provide the following information about municipal operations good housekeeping programs:**

- Parking Lots Swept # Acres 

				1
--	--	--	--	---
- Streets Swept # Miles 

				2
--	--	--	--	---
- Catch Basins Inspected and Cleaned Where Necessary # 

--	--	--	--	--
- Post Construction Control Stormwater Management Practices Inspected and Cleaned Where Necessary # 

				2
--	--	--	--	---
- Phosphorus Applied In Chemical Fertilizer # Lbs. 

--	--	--	--	--
- Nitrogen Applied In Chemical Fertilizer # Lbs. 

--	--	--	--	--
- Pesticide/Herbicide Applied As Pure Product # Lbs. 

--	--	--	--	--

**3. How many stormwater management trainings have been provided to municipal employees during this reporting period?**

				1
--	--	--	--	---

**4. What was the date of the last training?**

1	1
---	---

 / 

1	2
---	---

 / 

2	0	0	8
---	---	---	---

**5. How many municipal employees have been trained in this reporting period?**

		1
--	--	---

**6. What percent of municipal employees in relevant positions and departments receive stormwater management training?**

1	0	0
---	---	---

 %

**MS4 Annual Report Form**

This report is being submitted for the reporting period ending March 9, 

2	0	0	9
---	---	---	---

  
 If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition: 

Buffalo and Fort Erie Public Bridge Authority
---

SPDES ID  

N	Y	R	4	0	A	4	2	2
---	---	---	---	---	---	---	---	---

**7. Evaluating/Measuring Progress MCM 6**

What indicators do you use to evaluate the overall effectiveness of your Municipal Stormwater Management and Good Housekeeping Program, how long have you been tracking them and at what frequency?

*Example\*:*

**Indicator:**

Catch basins inspected and cleaned
------------------------------------

  
**Began Tracking:**

2005
------

*(year)*      **Frequency:**

monthly
---------

*(ex.: annual, monthly, biweekly)*  
**#**

40 catch basins cleaned
-------------------------

*(ex.: samples/participants/events)*

**Results:**

In this reporting period scheduled inspections were increased by 50%. Maintenance was performed 50% more often than last year. This resulted in a 40% decrease in deployment of personnel during storm events to perform emergency maintenance.
---

*\* This indicator is provided as an example only.*

**Indicator:**

Inspect and test in-line spill containment valve
--

  
**Began Tracking:**

2003
------

*(year)*      **Frequency:**

Twice annually
----------------

*(ex.: annual, monthly, biweekly)*  
**#**

1 unit inspected and tested
-----------------------------

*(ex.: samples/participants/events)*

**Results:**

In-line spill containment valve was inspected and tested in July and November 2008 as per standard operating procedures.
--

Submit additional pages as needed.



## MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9, 2009

Name of MS4: Buffalo and Fort Erie Public Bridge Authority

SPDES ID: NYR40A422

### Minimum Control Measure 6 – Pollution Prevention/Good Housekeeping for Municipal Operations (Continued)

1. **Revise Operations and Maintenance Practice to Reduce Settleable Materials** - The following management practices have been implemented by the Authority to reduce settleable materials:

- Street and Bridge Maintenance
- Winter Road Maintenance
- Stormwater System Maintenance
- Vehicle and Fleet Maintenance

Standard operating procedures (SOPs) for these practices are defined in the Authority's SWMP and are discussed in more detail below.

The Authority installed an in-line spill containment system to prevent any spilled materials on the Peace Bridge from entering the Niagara River.

The Authority has a standard operating procedure for personnel responding to an emergency, which includes spill response and containment procedures. This is reviewed and revised annually in conjunction with the SOPs described above. In addition, in Year 4 the Authority developed a stand-alone SOP for the spill containment system that was incorporated in the SWMP during the Year 4 revision. This SOP includes valve switch locations, purpose, potential hazards, spill response procedures, switch operation, emergency notification, and switch inspection procedures.

**Began Tracking** – 2002

**Frequency** – On-going / annual

**Measures** –

**Goals** – Review and update SWMP annually.

**Results** – This goal was accomplished in Year 6. The Authority's SWMP was reviewed in August 2008 and revisions to the SWMP were not required at this time.

2. **Employee Stormwater Training** – The Authority will organize and conduct training sessions for Authority employees on stormwater management. Topics will include, at a minimum, an overview of stormwater and the SPDES permit requirements; the potential impacts of illicit connections and discharges on stormwater and how they can be detected and eliminated; best management practices for stormwater management; review of the Authority's Stormwater Management Program and standard operating procedures.

Training materials (PowerPoint presentation, handouts) were finalized by the Authority's stormwater consultant in Year 4. Training will be conducted by Authority's health and safety coordinator every two years, starting in Year 5, and as necessary to update employees on major changes to the SWMP.

## MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9, 2009

Name of MS4: Buffalo and Fort Erie Public Bridge Authority

SPDES ID: NYR40A422

**Frequency** – Initial training was conducted in Year 5, and will be repeated every two years thereafter. The next training session is expected during Year 7.

**Measures** –

**Goals** – Train the Authority's employees on stormwater management.

**Results** – This goal was accomplished in Year 5. An initial stormwater training session was held on October 15, 2007. Attendance records are available upon request from Parsons 716.541.0743 – Thomas Boyle. The next session will be conducted in Year 7.

- Street and Bridge Maintenance** – The Authority Maintenance Staff cleans (sweeps) the Peace Bridge deck, United States Plaza, and associated roadways, sidewalks, and parking lots a minimum of four times each year, weather permitting. The first cleaning is typically conducted in spring (March or April) following the final snowmelt of the season, and on an "as-needed" basis the remainder of the year.

The Authority is proactive in maintaining the Peace Bridge and United States Plaza. The Authority has implemented an on-going work program to maintain the Authority-owned property, including pier repairs, deck maintenance, and stormwater conveyance system improvements.

**Began Tracking** – 2004

**Frequency** – On-going, as necessary

**Measures** –

**Goals** – Clean and sweep roadways.

**Results** – An estimated 7 cubic yards of sediment and debris removed from roadways in Year 6.

- Winter Road Maintenance** – The Authority made changes in its deicing procedures in an attempt to reduce stormwater sediment loadings and maintain the integrity of the bridge and roadways. Prior to the 2002-2003 winter season, a 7:1 sand-salt mixture was used for deicing purposes. However, the corrosivity of rock salt, coupled with maintenance issues resulting from sand in the storm sewers, led the Authority to look for other alternatives.

The Authority is using two alternative deicing products that are targeted for specific application locations. A liquid deicer (Caliber® M2000, which is manufactured by Glacial Technologies) is applied on the bridge deck and between inspection points in the United States Plaza. This chemical was selected because of its low corrosion rate, which is just above that of distilled water. The liquid deicer is delivered in bulk and stored in a 6,000-gallon underground storage tank, from where it can be pumped onto an application vehicle.

A treated salt (Magic Salt™) is utilized for deicing purposes in the remainder of the plaza and Authority parking lots. Like the liquid deicer, this product has no corrosive

## **MS4 Annual Report Form**

This report is being submitted for the reporting period ending March 9, 2009

*Name of MS4:* Buffalo and Fort Erie Public Bridge Authority

*SPDES ID:* NYR40A422

characteristics, and because it is treated, it lasts longer than traditional rock salt. To protect the stockpile of treated salt from the environment, it is stored in an above ground salt storage bin. During the summer months, any remaining salt from the previous winter season is moved adjacent to the piers underneath the Canadian side of the Peace Bridge for storage. While stored in this location, the salt reserve is covered to prevent exposure to the elements.

**Began Tracking** – 2004

**Frequency** – On-going / seasonal

**Measures** –

**Goals** – Reduce the amount of sediments and corrosive materials used on the roadways for winter road maintenance.

**Results** – Approximately 1,000 tons treated salt applied in Year 6.

Approximately 4,500 gallons liquid deicer applied in Year 6.

Months applied in 2008: December

Months applied in 2009: January, February, March and April

5. **Stormwater System Maintenance** –The Authority’s storm sewers, catch basins, and post-construction BMPs (i.e., oil/water separators) are inspected on an annual basis by the Authority Maintenance Staff to identify maintenance needs. This inspection is typically conducted in spring (March or April) following the final snowmelt of the season.

Stormwater conveyance facilities are cleaned on an “as-needed” basis in conjunction with the annual inspection, and as required following a spill incident. Typical maintenance procedures include removal of large debris and silt from stormwater facilities. When sewer maintenance needs exceed the capabilities of the Authority Maintenance Staff, the Authority will contract an outside firm, who is a certified waste hauler, to complete the required work.

**Began Tracking** – 2004

**Frequency** – On-going, annual (minimum) or as necessary.

**Measures** –

**Goals** – Inspect and clean storm sewer, catch basins and post-construction BMPs.

**Results** – Catch basins were inspected 2 times during Year 6, in March and July 2008.

- Catch basins and storm sewers were cleaned 1 time during Year 6, in July 2008.

- Oil/water separators were inspected and cleaned during Year 6, in July 2008.

6. **Vehicle and Fleet Maintenance** – The Authority owns and maintains a wash bay on the Canadian side of the Peace Bridge. All Authority-owned vehicles are washed on an “as-need” basis in this designated area, and the wash bay drains are connected to the sanitary sewer. Any vehicle or parts washing that is done on the United States side of the bridge is conducted in the Authority maintenance garage using an electric pressure washer. The floor drains in the maintenance garage are also connected to the sanitary sewer.

## **MS4 Annual Report Form**

This report is being submitted for the reporting period ending March 9, 2009

*Name of MS4:* Buffalo and Fort Erie Public Bridge Authority

*SPDES ID:* NYR40A422

Authority vehicle maintenance activities are primarily conducted off-site. Vehicles are taken to off-site maintenance shops for regular oil changes and major repairs. Minor vehicle maintenance, such as changing the oil in the Authority's lawnmowers, is conducted in the maintenance garage in the United States plaza. Wastes generated from these activities are stored in a designated waste oil container. The Authority has a contract with a certified waste disposal contractor to remove and dispose of waste oil on an "as needed" basis, when the designated container is full.

**Frequency** – On-going, as needed

**Measures** –

**Goals** – Maintain good housekeeping procedures for vehicle and fleet maintenance.

**Results** – Approximately 55 gallons of waste oil was removed by the Authority and recycled on April 18, 2008.

7. **Implement O&M Program to Reduce and Prevent Pollutant Discharge** – The Authority has implemented a records log indicating scheduled inspection and cleaning of stormwater facilities, maintenance items such as roadway sweeping/roadway repair and winter maintenance materials and practices. This log is helpful in auditing maintenance activities.

**Frequency** – On-going, annual (minimum)

**Measures** –

**Goals** – Audit facilities and identify problem areas.

**Results** – There has been a significant reduction in the amount of sediment in catch basins and on roadways as a result in the change in road maintenance techniques and regular cleaning of catch basins.

### MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9, 

2	0	0	9
---	---	---	---

If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition 

Buffalo and Fort Erie Public Bridge Authority
---

SPDES ID 

N	Y	R	4	0	A	4	2	2
---	---	---	---	---	---	---	---	---

### Additional Watershed Improvement Strategy Best Management Practices

The information in this section is being reported (check one):

- On behalf of an individual MS4
- On behalf of a coalition

How many MS4s contributed to this report? 

--	--	--

**MS4s must answer the questions or check NA as indicated in the table below.**

MS4 Description	Answer	Check NA	(POC)
<b>NYC EOH Watershed</b>			
Traditional Land Use	1,2,3,4,5,6,7,8a,8b,9	10,11,12	Phosphorus
Traditional Non-Land Use	1,2,3,4,7,8a,8b,9	5,10,11,12	Phosphorus
Non-Traditional	1,2,7,8a,8b,9	3,4,5,10,11,12	Phosphorus
<b>Onondaga Lake Watershed</b>			
Traditional Land Use	1,6,7,8a,9	2,3,4,5,8b,10,11,12	Phosphorus
Traditional Non-Land Use	1,6,7,8a,9	2,3,4,5,8b,10,11,12	Phosphorus
Non-Traditional	1,6,7,8a,9	2,3,4,5,8b,10,11,12	Phosphorus
<b>Greenwood Lake Watershed</b>			
Traditional Land Use	1,4,6,7,8a,9	2,3,5,8b,10,11,12	Phosphorus
Traditional Non-Land Use	1,4,6,7,8a,9	2,3,5,8b,10,11,12	Phosphorus
Non-Traditional	1,4,6,7,8a,9	2,3,5,8b,10,11,12	Phosphorus
<b>Oyster Bay</b>			
Traditional Land Use	1,4,7,8a,9,10,11,12	2,3,5,6,8b	Pathogens
Traditional Non-Land Use	1,4,7,8a,9,10,11,12	2,3,5,6,8b	Pathogens
Non-Traditional	1,4,7,8a,9	2,3,4,5,8b,10,11,12	Pathogens
<b>Peconic Estuary</b>			
Traditional Land Use	1,4,7,8a,9,10,11,12	2,3,5,6,8b	Pathogens and Nitrogen
Traditional Non-Land Use	1,4,7,8a,9,10,11,12	2,3,5,6,8b	Pathogens and Nitrogen
Non-Traditional	1,4,7,8a,9	2,3,4,5,8b,10,11,12	Pathogens and Nitrogen

**1. Does your MS4/Coalition have an education program addressing impacts of phosphorus/nitrogen/pathogens on waterbodies?**  Yes  No  N/A

**2. Has 100% of the MS4/Coalition conveyance system been mapped in GIS?**  Yes  No  N/A

If N/A, go to question 3.

If No, estimate what percentage of the conveyance system has been mapped so far. 

--	--	--

 %

Estimate what percentage was mapped in this reporting period. 

--	--	--

 %

**3. Does your MS4/Coalition have a Stormwater Conveyance System(infrastructure) Inspection and Maintenance Plan Program?**  Yes  No  N/A

**MS4 Annual Report Form**

This report is being submitted for the reporting period ending March 9, 

2	0	0	9
---	---	---	---

If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition

Buffalo and Fort Erie Public Bridge Authority

SPDES ID

N	Y	R	4	0	A	4	2	2
---	---	---	---	---	---	---	---	---

4. Estimate the percentage of on-site wastewater treatment systems that have been inspected and maintained or rehabilitated as necessary in this reporting period? 

--	--	--

 %
5. Has your MS4/Coalition developed a program that provides protection equivalent to the NYS DEC SPDES General Permit for Stormwater Discharges from Construction Activities (GP0-08-001) to reduce pollutants in stormwater runoff from construction activities that disturb five thousand square feet or more?  Yes  No  N/A
6. Has your MS4/Coalition developed a program to address post-construction stormwater runoff from new development and redevelopment projects that disturb greater than or equal to one acre that provides equivalent protection to the NYS DEC SPDES General Permit for Stormwater Discharges from Construction Activities (GP-0-08-001), including the New York State Stormwater Design Manual Enhanced Phosphorus Removal Standards?  Yes  No  N/A
7. Does your MS4/Coalition have a retrofitting program to reduce erosion or phosphorus/nitrogen/pathogen loading?  Yes  No  N/A
- 8a. Has your MS4/Coalition developed and implemented a turf management practices and procedures policy that addresses proper fertilizer application on municipally owned lands?  Yes  No  N/A
- 8b. Has your MS4/Coalition developed and implemented a turf management practices and procedures policy that addresses proper disposal of grass clippings and leaves from municipally owned lands?  Yes  No  N/A
9. Has your MS4/Coalition developed and implemented a program of native planting?  Yes  No  N/A
10. Has your MS4/Coalition enacted a local law prohibiting pet waste on municipal properties and prohibiting goose feeding?  Yes  No  N/A
11. Does your MS4/Coalition have a pet waste bag program?  Yes  No  N/A
12. Does your MS4/Coalition have a program to manage goose populations?  Yes  No  N/A