

Stormwater Coalition of Albany County
Joint Storm Water Management Program Plan

SWMP Document
2019 to 2020

Annual Evaluation
(April, 2019)

Goals Completed & Explained: 3/10/18 to 3/9/19
Priority Activities: 3/10/2019 to 3/9/2020

Pertaining To:
NYSDEC SPDES General Permit for Stormwater Discharges
from Municipal Separated Storm Sewer Systems (MS4s)
Permit No. GP-0-15-003



Stormwater Coalition of Albany County
Joint Storm Water Management Program Plan

SWMP Document
2019 to 2020

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Stormwater Coalition of Albany County

The Storm Water Management Program Plan (SWMP Plan) Document 2019 to 2020

Annual Evaluation (April, 2019)

The Stormwater Coalition of Albany County was formed in 2008 so that regulated municipalities and other public entities could collaboratively implement NYSDEC MS4 Permit requirements. As of April, 2019 there are eleven members and they are all co-signatories of an inter-municipal agreement/memorandum of understanding effective until December 31, 2023. Below is a list of Coalition members, along with their MS4 Permit SPDES Number.

Traditional Non Land Use Control MS4	Traditional Land Use Control MS4s	
Albany County (NYR20A359)	City of Albany (NYR20A464)	Town of Guilderland (NYR20A211)
Non-Traditional MS4	Town of Bethlehem (NYR20A208)	Village of Menands (NYR20A144)
University at Albany-SUNY (NYR20A234)	City of Cohoes (NYR20A243)	Town of New Scotland (NYR20A463)
	Town of Colonie (NYR20A190)	City of Watervliet (NYR20A087)
	Village of Green Island (NYR20A377)	

Currently all of the Coalition members are regulated under the NYSDEC SPDES General Permit for Stormwater Discharges from Municipal Separated Storm Sewer Systems (MS4s) Permit No. GP-0-15-003 which was issued May 1, 2015, and although expired as of April 30, 2017 remains in effect. Collaboration is encouraged in the MS4 Permit and Part IV. Section A of the Permit, in particular states that “The SWMP and SWMP Plan may be created by an individual covered entity, by a shared effort through a group or coalition of individual covered entities, or be a third party entity.”

On the strength of that language, for multiple years dating back to 2012, Coalition members have prepared and updated a Joint Stormwater Management Program Plan document which lists Best Management Practices (BMPs) to be implemented by all members. For each BMP, the SWMP document includes measurable goals to be completed by individual members.

Historically, the listed SWMP BMPs are a re-statement of requirements named in the most current MS4 permit, as well as requirements noted explicitly in EPA or NYSDEC audits. New or updated goals are written as needed, often prompted by staffing changes or grant funding such as the NYSDEC WQIP mapping grant awarded to the Coalition in 2015 which resulted in several new mapping goals.

The SWMP document is typically updated annually sometime after the reporting period ends on March 9 and is part of preparing the Joint Annual Report. These are private sessions with the Coalition Stormwater Program Coordinator who is responsible for preparing the SWMP document. They have evolved into a valued Annual Evaluation of program strengths and weaknesses both for individual MS4 programs and the Coalition more generally.

The SWMP document itself is generated using the CBI MS4Web Program Management software purchased by the Coalition in 2009 and the content is created by the user. As a one-size-fits-all template, the essence of individual MS4 programs may be lost, but as a tool to track which goals have been met, not met, or need to be updated, MS4Web is adequate.

This particular 2019 to 2020 SWMP document is a conceptual departure from all previous SWMP documents in that it intentionally embraces the underlying regulatory framework of the proposed DRAFT NYSDEC SPDES General Permit for Stormwater Discharges from Municipal Separated Storm Sewer Systems (MS4s) Permit No. GP-0-17-002 released in October, 2016.

As required by the EPA Final Municipal Separated Storm Sewer System (MS4) General Permit Remand Rule (November 17, 2016), the proposed DRAFT NYSDEC MS4 Permit explains in “clear, specific, and measurable” terms what MS4 permittees need to complete, by when. While it was previously the responsibility of MS4s to describe program BMPs, goals, and a timeline for completion, now the substance of a SWMP Plan is detailed within Appendix A SWMP Recording Requirements and Appendix C Compliance Schedule of the DRAFT MS4 Permit. Specifically Appendix A lists 48 Required Records MS4s must have on file and Appendix C states by when permit requirements need to be completed.

While there remains considerable uncertainty regarding when the updated MS4 Permit will go into effect and how much to embrace or ignore future permit requirements, for the purpose of updating the Coalition SWMP document, Coalition members intentionally dropped BMPs listed in previous SWMP documents and instead interpreted the 48 Required Records in Appendix A as BMPs. These BMPs or Required Records form the backbone of this SWMP document and of those 48 BMPs, only 15 or so are incorporated into this document. They are clearly tied to the existing permit, for which Coalition members had previously crafted goals. The other Required Records may or may not be in the FINAL MS4 Permit; therefore not included.

While this SWMP document may be difficult to understand, for lack of a FINAL Updated MS4 Permit, the Coalition is trying to straddle an existing MS4 Permit for which they are legally accountable with an anticipated MS4 Permit which is central to their current thinking and planning, but still in a DRAFT form making it difficult to fully commit resources. Minimally, formatting this SWMP document using the 48 Required Records as proxies for BMPs has forced a deeper understanding of future MS4 Permit requirements, while meeting current MS4 Permit requirements regarding an updated SWMP document.

To help make the connection between the 48 DRAFT MS4 Permit Required Records (BMPs), Appendix A from the DRAFT MS4 Permit is attached. The number assigned to each Required Record is noted on Appendix A. This is an arbitrary number assigned by the Coalition for the purpose of explaining the SWMP document.

APPENDIX A - SWMP Recording Requirements

from NYSDEC DRAFT Oct. 2016
SPDES General Permit for
Stormwater Discharges from
Municipal Separated Storm Sewer
Systems (MS4s) Permit No
GP-0-17-002

Permit Section		Required Record
<p>* For this Coalition SWMP Document 2019 to 2020, the Required Records listed here are considered MS4 Permit Best Management Practices (BMPs). Measurable Goals (past/future), also called Activities are embedded within these BMPs, where sk'd.</p> <p>SWMP Administrative Requirements</p>		
1.	I.B.1	All documentation necessary to demonstrate Eligibility
2.	II.A	Notice of Intent
3.	IV.A.2	Compliance Schedule and related reports
4.	IV.B.1	SWMP Coordinator
✓ 5.	IV.B.2	inter-municipal agreements and other legal authorities;
✓ 6.	IV.B.3	staffing and staff development programs and organization charts;
✓ 7.	IV.F	Enforcement Response Plan & Documentation of cases
✓ 8.	V.A	Annual evaluation
9.	V.C.2	Annual Reports
	V.C.3	Interim Progress Reports (Only for Part II Undertakings)
10.		MS4 Correspondence with the Department
Special Conditions		
11.	III.A.3	Corrective actions implemented to correct a violation of Water Quality Standards
Mapping		
✓ 12.	IV.C	Map of the MS4 conveyance system
MCM 1 – Public Education and Outreach		
✓ 13.		Pollutant of Concern, Geographic Area of Concern and waterbodies of concern
✓ 14.	VI.A.1	Defined goals of the Education program
MCM 2 – Public Participation		
✓ 15.	VI.B.1	Opportunities provided to the public for participation in the program
✓ 16.	VI.B.2	Public input comments received on SWMP and annual report

Appendix A Cont'd

In Condition
SWMP Document # MS4
MS4 W66
MCM #15

Permit Section		Required Record
MCM 3 – Illicit Discharge Detection & Elimination		
17.	VI.C.1.a	Law, ordinance or regulatory mechanism
18	VI.C.1.b	Certification of equivalence by attorney representing MS4
19.	VI.C.2	Education materials on Illicit Discharge prevention program
✓ 20.	VI.C.3	Hotline reports including name, date of report, location...
21	VI.C.4.a	Priority areas based on IDDE Guidance
✓ 22.	VI.C.4.b	ORI Field Sheets
23	VI.C.4.b.iv	Outfall Sampling Results
✓ 24.	VI.C.5	Track Down procedures
✓ 25.	VI.C.6	Illicit Discharge Elimination Procedures
MCM 4 - Construction Site Runoff Control		
26.	VI.D.3.a	Law, ordinance or regulatory mechanism
27.	VI.D.3.b	Certification of equivalence by attorney representing MS4
28.	VI.D.4	Education materials on Construction program
29.	VI.D.5	Construction Site Inventory
30.	VI.D.6	Construction site priority areas
✓ 31.	VI.D.7 & VI.E.4	SWPPP Review forms
✓ 32.	VI.D.8	Documentation of all Pre-Construction Inspection meetings
✓ 33.	VI.D.9 & VI.D.10	Construction Site Inspection documentation including project close-out inspection
34.	VI.D.10	Public complaint reports including name, date of report, location...

Appendix A cont'd

En Coalition
SWMP Document
MS4s

MSCLWB
MCM #13

Permit Section		Required Record
MCM 5 - Post Construction Stormwater Runoff		
35.	VI.E.2.a	Law, ordinance or regulatory mechanism
36.	VI.E.2.b	Certification of equivalence by attorney representing MS4
✓ 37.	VI.E.3	Post-Construction SMP Inventory
✓ 38.	VI.E.5	Post-Construction Inspection documentation
MCM 6 - Municipal Operations/Good Housekeeping		
39.	VI.F.1 & VI.F.4.c	Written procedures/protocols or Facility Specific SWPPP for High Priority Facilities
40.	VI.F.2.q	Compliance documentation
✓ 41.	VI.F.3.a	Catch basin inspection and cleaning plan
✓ 42.	VI.F.3.b.i	Procedures for Street Sweeping/Cleaning
43.	VI.F.3.b.iv	Procedures for Bridge Maintenance and Repair
✓ 44.	VI.F.3.c	Procedures to ensure Compliance with Construction General Permit
45.	VI.F.4.a	Prioritized Inventory of municipal facilities
46.	VI.F.4.e	High Priority facility assessments including Quarterly Visual monitoring and follow up actions
47.	VI.F.5	Municipal facilities with stormwater discharges associated with Industrial activity
✓ 48.	VI.F.6	BMPs and procedures/protocols for low priority facilities



Z-Stormwater Coalition (MS4 Permit # NONE) BMP Detail | Minimum Control Measure: 5. *Administrative: Intermunicipal Agreements & Other Agreements [Required Record DRAFT]

Added:	4/23/19	Due:	NA
Completed:	NA	Description:	<p>*Goals (activities) evaluated here represent ongoing SWMP Plan implementation. They are grouped using the list of Required Records named in Appendix A of the DRAFT MS4 Permit GP-0-17-002.</p> <p>Previous Year Goals (2018/2019):</p> <ol style="list-style-type: none"> 1. Continue with Coalition management as itemized in IMA/MOU (prepare 2019 budget and workplan; manage staffing needs; prepare/facilitate Board and Working Group meetings; integrate all Coalition operations with County procedures (Management and Budget; Purchasing; Comptroller; Human Resources; General Services; Law Dept); implement Coalition and Grant workplan(s); manage grant (reports, vouchers); prepare RFP for Impervious/Building Footprint consultant services-grant funded consulting services. 2. Address long term funding and staffing concerns related to current dependence on grant funds which support the use of GIS mapping technology (hardware, software, technical staff). Take action as determined by Board. 3. Track NYSDEC release of revised 'new: MS4 Permit; take action as needed 4. Support individual MS4s audited by EFA and/or DEC <p>April, 2019 Evaluation/Comments:</p> <ol style="list-style-type: none"> 1. Coalition members have signed an IMA-MOU which spans five years: 1/1/2018 to 12/31/2022. Albany County is the Host of the Coalition. 2. Members are Participating MS4 Communities on the Lead Applicant Self Certification Form for a NYSDEC Water Quality Improvement Project program grant titled, Albany County MS4 Mapping Project where Albany County is the Lead Applicant. Contract End Date: 4/30/2020. <p>Priority Activities for Upcoming Year (2019/2020):</p> <ol style="list-style-type: none"> 1. Continue with Coalition management as itemized in IMA/MOU 2. Address long term funding and staffing concerns related to current dependence on grant funds which support the use of GIS mapping technology. Consider carefully DRAFT MS4 Permit language regarding Shared Resources. Take action as determined by Board. 3. Track NYSDEC release of revised 'new: MS4 Permit; take action as needed 4. Support individual MS4s audited by EFA and/or DEC

Activity Logs

Activity Date	Data Type	Quantity	Comments
04/23/2019			<p>COMPLETED as of 3/9/2019:</p> <ol style="list-style-type: none"> 1. Continue with Coalition management as itemized in IMA/MOU (prepare 2019 budget and workplan; manage staffing needs; prepare/facilitate Board and Working Group meetings; integrate all Coalition operations with County procedures (Management and Budget; Purchasing; Comptroller; Human Resources; General Services; Law Dept); implement Coalition and Grant workplan(s); manage grant (reports, vouchers); prepare RFP for Impervious/Building Footprint consultant services-grant funded consulting services. (COMPLETED) 2. Address long term funding and staffing concerns related to current dependence on grant funds which support the use of GIS mapping technology (hardware, software, technical staff). Take action as determined by Board. (PROGRESS, NOT COMPLETE, long term funding) 3. Track NYSDEC release of revised 'new: MS4 Permit; take action as needed (COMPLETED) 4. Support individual MS4s audited by EFA and/or DEC (NO AUDITS)

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Photos

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Z-Stormwater Coalition (MS4 Permit # NONE) BMP Detail | Minimum Control Measure: 6. *Administrative: Staffing; Staff Development; Organization Charts [Required Record DRAFT]

Added:	4/24/19	Due:	NA
Completed:	NA	Description:	<p>*Goals (activities) evaluated here represent ongoing SWMP Plan implementation. They are grouped using the list of Required Records named in Appendix A of the DRAFT MS4 Permit GP-0-17-002.</p> <p>Previous Year Goals (2018/2019):</p> <p>1. Address long term funding and staffing concerns related to current dependence on grant funds which support the use of GIS mapping technology (hardware, software, technical staff). Take action as determined by Board.</p> <p>April, 2019 Evaluation/Comments:</p> <p>Recent Coalition staff turnover (2017 to 2019) has been an issue with consequences. Strategies need to be discussed to help address Coalition staffing realities and the needs of member communities.</p> <p>Priority Activities for Upcoming Year (2019/2020):</p> <p>1. Secure adequate and more stable funding to support Coalition staff.</p> <p>2. Update job specs to match the DRAFT MS4 Permit and member needs post NYSDEC Mapping Grant funding.</p> <p>3. Integrate Coalition staffing into individual MS4 organizational charts and staff development plans.</p> <p>4. Write and finalize a 'How To/Lessons Learned' guide for future Coalition staff hired to (a) create/maintain mapping data as detailed in the DRAFT MS4 Permit; (b) maintain all ArcGIS Online map layers and associated Survey123 forms; (c) review and support the Coalition SwIM Mapper; and (d) provide mapping and Survey123 derived data which guides MS4 Permit program implementation.</p> <p>5. Develop with Coalition members a priority list of needed training initiatives honed to member needs and DRAFT MS4 Permit requirements. Coordinate in-house training. Possible topics: ORI field work/tablet use; MS4 Construction Site inspections/tablet use; municipal facility (low priority) assessments/tablet use; PCSMP inspections/tablet use; DVD EXCAL Visual multi-MS4 video session (Coalition office/elsewhere) . Implement one training.</p>

Activity Logs

Activity Date	Data Type	Quantity	Comments
04/24/2019			<p>COMPLETED by 3/9/2019:</p> <p>1. Address long term funding and staffing concerns related to current dependence on grant funds which support the use of GIS mapping technology (hardware, software, technical staff). Take action as determined by Board. (PROGRESS, NOT COMPLETED-staffing concerns)</p>

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Z-Stormwater Coalition (MS4 Permit # NONE) BMP Detail | Minimum Control Measure: 12. *Mapping: Map of MS4 Conveyance System [Required Record DRAFT GP-0-17-002]

Added:	4/24/19	Due:	NA
Completed:	NA	Description:	<p>*Goals (activities) evaluated here represent ongoing SWMP Plan implementation. They are grouped using the list of Required Records named in Appendix A of the DRAFT MS4 Permit GP-0-17-002.</p> <p>Previous Year Goals (2018/2019):</p> <ol style="list-style-type: none"> For 2018/2019, complete field & program mapping, corrections, finalization, metadata, and posting on SwIM for Albany County; Town of New Scotland; and Village of Green Island. (GRANT) For 2018/2019, review and prepare existing datasets for Krumkill; Patroon; and Ann Lee Pond sewershed delineations (UAlbany; Town of Bethlehem; Town of Colonie) (GRANT) For 2018/2019, complete sewershed delineations for storm system infrastructure in Krumkill; Patroon, and Ann Lee Pond watersheds; merge inter MS4 system data as needed; use all necessary data sets from Coalition members. Post on SwIM, if practical and helpful. (GRANT) Purchase/load/give tablet w/ORI Inspection Forms; MS4 Construction Inspection Form; PC SMP Inspection Form; and Municipal Facility Self Audit Form to interested MS4s.- may/may not be ESRI based (GRANT) Continue to manage and support SwIM Stormwater Interactive Mapper (symbolology; troubleshooting; UN/PW: metadata; posting system and program mapping data; update of other layers, as needed). (GRANT and MEMBER DUES); address long term support issues. Complete field work- system and program mapg (outfalls-corrected/archive; PCSMPs-inventory/mapped; muni facilities inventory/mapped); finalize data & post on SwIM (AlbCnty/TNewScotland/Ci-Alb/VGrnls) (GRANT) <p>April, 2019 Evaluation/Comments:</p> <p>Priority Activities for Upcoming Year (2018/2019):</p> <ol style="list-style-type: none"> Secure stable Coalition funding to support a future hire who can, in addition to other stormwater program responsibilities: (a) create/maintain mapping data as detailed in the DRAFT MS4 Permit; (b) maintain critical ArcGIS Online map layers and associated Survey123 forms; (c) review and support the Coalition SwIM Mapper; (d) provide mapping derived data which guides MS4 Permit program implementation; and (e) assist and support as needed local MS4/municipal GIS coordinators. Recruit/hire this individual as status of funding is clarified. Purchase and maintain Coalition mapping infrastructure (computer equipment, GPS units, mapping software, staff training, printers) short term (2019/2020) for ideal Coalition staffing. As DRAFT MS4 Permit moves towards finalization, discuss long term mapping needs, financing issues, and options with interested individuals from Coalition member community. Discuss options with Coalition Board/others. Take action as needed.

Activity Logs

Activity Date	Data Type	Quantity	Comments
04/24/2019			<p>COMPLETED by 3/9/2019:</p> <ol style="list-style-type: none"> For 2018/2019, complete field & program mapping, corrections, finalization, metadata, and posting on SwIM for Albany County; Town of New Scotland; and Village of Green Island. (GRANT) (COMPLETED) For 2018/2019, review and prepare existing datasets for Krumkill; Patroon; and Ann Lee Pond sewershed delineations (UAlbany; Town of Bethlehem; Town of Colonie) (GRANT) (COMPLETED) For 2018/2019, complete sewershed delineations for storm system infrastructure in Krumkill; Patroon, and Ann Lee Pond watersheds; merge inter MS4 system data as needed; use all necessary data sets from Coalition members. Post on SwIM, if practical and helpful. (GRANT) (COMPLETED) Purchase/load/give tablet w/ORI Inspection Forms; MS4 Construction Inspection Form; PC SMP Inspection Form; and Municipal Facility Self Audit Form to interested MS4s.- may/may not be ESRI based (GRANT) (COMPLETED) Continue to manage and support SwIM Stormwater Interactive Mapper (symbolology; troubleshooting; UN/PW: metadata; posting system and program mapping data; update of other layers, as needed). (GRANT and MEMBER DUES); address long term support issues. (COMPLETED - manage and support SwIM) (PROGRESS, NOT COMPLETE - long term support issues) Complete field work- system and program mapg (outfalls-corrected/archive; PCSMPs-inventory/mapped; muni facilities inventory/mapped); finalize data & post on SwIM (AlbCnty/TNewScotland/Ci-Alb/VGrnls) (GRANT) (COMPLETED)

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Z-Stormwater Coalition (MS4 Permit #) NONE BMP Detail | Minimum Control Measure: 13. *MCM 1 Public Education: Pollutants of Concern; Geographic Areas of Concern; Waterbodies

Added:	4/3/19	Due:	3/9/20
Completed:	NA	Description:	<p>*Goals (activities) evaluated here represent ongoing SWMP Plan implementation. They are grouped using the list of Required Records named in Appendix A of the DRAFT MS4 Permit GP-0-17-002.</p> <p>Previous Year Goals (2018/2019):</p> <p>1. For 2018/2019, provide Coalition members with a Public Education Program Development Tool for Traditional MS4s which identifies the location of residential, commercial, institution, industrial target audiences; the associated pollution generating behaviors; likely Pollutants of Concern; the location of streams; and the classified "Best Use" of these streams.</p> <p>April, 2019 Evaluation/Comments:</p> <p>Funded with WQIP grant funds, this past year (2018/2019) the Coalition Stormwater Program Technician Assistant used County tax parcel data to identify Residential, Commercial, Institutional, and Industrial land use throughout the County and assigned to these four types likely Pollutants of Concern. Two methods were used to determine Pollutants of Concern, the "Best Guess" method based on knowledge of stormwater pollutants; and using the WinSLAMM modeling software for small storms to estimate pollutant loading based on a variety of parameters (acreage; long term precipitation data; type of storm; land use; soil types, presence/absence of stormwater treatment controls; etc.). For this theoretical exercise input parameters remained the same except the type of land use.</p> <p>The model generated pollutant loading estimates for a variety of pollutants and where possible, the percentage of loading relative to total pollutant loading was calculated. The exercise provided some insight into the type of pollutants generated by Residential, Commercial, Industrial, and Institutional land use and their relative amounts. Both methods were intended to provide some direction for Coalition members as they consider which target audiences to educate about which stormwater pollutants for which geographic areas within their MS4s.</p> <p>Priority Activities for Upcoming Year (2019/2020):</p> <p>1. Use maps and/or land cover layers on SwIM to develop educational goals for interested Coalition members.</p>

Activity Logs

Activity Date	Data Type	Quantity	Comments
04/24/2019			<p>COMPLETED by 3/9/2019:</p> <p>1. For 2018/2019, provide Coalition members with a Public Education Program Development Tool for Traditional MS4s which identifies the location of residential, commercial, institution, industrial target audiences; the associated pollution generating behaviors; likely Pollutants of Concern; the location of streams; and the classified "Best Use" of these streams. (COMPLETED)</p>

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Photos

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Z-Stormwater Coalition (MS4 Permit # NONE) BMP Detail | Minimum Control Measure: 14. *MCM 1 Public Education: Defined goals of the education program [Required Record DR]

Added:	3/29/19	Due:	3/9/20
Completed:	NA	Description:	<p>*Goals (activities) evaluated here represent ongoing SWMP Plan implementation. They are grouped using the list of Required Records named in Appendix A of the DRAFT MS4 Permit GP-0-17-002.</p> <p>Previous Year Goals (2018/2019):</p> <ol style="list-style-type: none"> 1. For 2018/2019 maintain/update Coalition website (member info; post DRAFT Joint AR/ SWMP doc for public comment; post new publications) 2. For 2018/2019 distribute Coalition brochures to members <p>April, 2019 Evaluation/Comments:</p> <p>Priority Activities for Upcoming Year (2019/2020):</p> <ol style="list-style-type: none"> 1. Support and update Coalition website 2. Sponsor one Center for Watershed Protection webcast; 3. Print and distribute stormwater publications for interested members. 4. Understand and explain to members Public Education/Outreach requirements suggested by the DRAFT Permit (GP-0-17-002). 5. Discuss with members the current inventory of printed material managed by the Coalition and decide which if any publications should be printed in large quantities, modified, or dropped from the inventory.

Activity Logs

Activity Date	Data Type	Quantity	Comments
03/09/2019			<p>COMPLETED by 3/9/2019:</p> <ol style="list-style-type: none"> 1. For 2018/2019 maintain/update Coalition website (member info; post DRAFT Joint AR/ SWMP doc for public comment; post new publications) (COMPLETED) 2. For 2018/2019 distribute Coalition brochures to members (COMPLETED)

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Photos

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Z-Stormwater Coalition (MS4 Permit # NONE) BMP Detail | Minimum Control Measure: 15. *MCM 2 Public Participation: Opportunities provided to the public for participation in the

Added:	4/22/19	Due:	NA
Completed:	NA	Description:	<p>*Goals (activities) evaluated here represent ongoing SWMP Plan implementation. They are grouped using the list of Required Records named in Appendix A of the DRAFT MS4 Permit GP-0-17-002.</p> <p>Previous Year Goals (2018/2019):</p> <p>1. For 2018, 3 WAVE Stream Monitoring events planned (7/1/2018 to 9/30/2018)</p> <p>April, 2019 Evaluation/Comments:</p> <p>The Coalition organized 4 Volunteer WAVE Stream Monitoring events in 3 watersheds (Lisha Kill in the Town of Colonie at the municipal golf course (8/9/2018), Vly Creek in the Village of Voorheesville/Town of New Scotland at the Elementary School and pocket park near the Mohawk Hudson Rail Trail (8/16/2018), and Salt Kill in the City of Cohoes, near Romaine Road (8/14/2018). Coalition members publicized these events within their municipality (poster on bulletin board, Facebook, their website).</p> <p>Activities for Upcoming Year (2019/2020):</p> <p>1. Organize one or more Coalition-wide WAVE Volunteer Stream Monitoring events (July 1 to Sept 30)</p> <p>2. With Coalition members, identify plausible, doable public participation activities which focus on water quality directly, which could be organized spring, summer or early fall. Develop an implementation plan with members, which respects available time. Develop a budget and staffing plan to implement, include in 2020 Coalition budget.</p>

Activity Logs

Activity Date	Data Type	Quantity	Comments
04/22/2019			<p>COMPLETED by 3/9/2019:</p> <p>1. For 2018, 3 WAVE Stream Monitoring events planned (7/1/2018 to 9/30/2018) (COMPLETED)</p>

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Photos

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Z-Stormwater Coalition (MS4 Permit # NONE) BMP Detail | Minimum Control Measure: 16. *MCM 2 Public Participation: Public input comments received on SWMP and Annual Rep

Added:	4/22/19	Due:	NA
Completed:	NA	Description:	<p>*Goals (activities) evaluated here represent ongoing SWMP Plan implementation. They are grouped using the list of Required Records named in Appendix A of the DRAFT MS4 Permit GP-0-17-002.</p> <p>Previous Year Goals (2018/2019):</p> <p>1. By 6/1/2018, Coalition members decide if they are submitting individual annual reports or a joint annual report. If joint annual report, Coalition members commit to the following schedule: DRAFT Joint Annual Report posted on the Coalition website (end of the first week in May); availability of DRAFT Annual Report sent to Coalition list serve, public comment period announced, and public comments regarding SWMP Plan encouraged; two week public comment period for Annual Report ends (~third week in May); public comments collected and included in FINAL Joint Annual Report; and public meetings scheduled if requested. Individual MS4s may present DRAFT or FINAL Annual Report at public meeting (Common Council Meeting, Town or Village Board meeting). Some MS4s communicate availability of DRAFT or FINAL Joint Annual Report for comment to their own e-mail lists. Annual Report submitted to NYSDEC by June 1, 2018. FINAL Joint Annual Report posted on Coalition website and individual MS4 websites.</p> <p>April, 2019 Evaluation/Comments:</p> <p>The Coalition participated in the DRAFT MS4 Permit Stakeholder Meetings organized by NYSDEC. Future Annual Reports will be submitted electronically. Unclear is the status of Joint Annual Reports.</p> <p>Priority Activities for Upcoming Year (2019/2020):</p> <p>1. Coalition staff will support the careful review and implementation of changing MS4 permit Annual Report requirements.</p>

Activity Logs

Activity Date	Data Type	Quantity	Comments
04/22/2019			<p>COMPLETED by 3/9/2019:</p> <p>1. By 6/1/2018, Coalition members decide if they are submitting individual annual reports or a joint annual report. If joint annual report, Coalition members commit to the following schedule: DRAFT Joint Annual Report posted on the Coalition website (end of the first week in May); availability of DRAFT Annual Report sent to Coalition list serve, public comment period announced, and public comments regarding SWMP Plan encouraged; two week public comment period for Annual Report ends (~third week in May); public comments collected and included in FINAL Joint Annual Report; and public meetings scheduled if requested. Individual MS4s may present DRAFT or FINAL Annual Report at public meeting (Common Council Meeting, Town or Village Board meeting). Some MS4s communicate availability of DRAFT or FINAL Joint Annual Report for comment to their own e-mail lists. Annual Report submitted to NYSDEC by June 1, 2017. FINAL Joint Annual Report posted on Coalition website and individual MS4 websites. (COMPLETED)</p>

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Photos

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Z-Stormwater Coalition (MS4 Permit # NONE) BMP Detail | Minimum Control Measure: 31. *MCM 4 Construction Run Off Control: SWPPP Review forms [Required Record DRAFT C

Added:	4/24/19	Due:	NA
Completed:	NA	Description:	<p>*Goals (activities) evaluated here represent ongoing SWMP Plan implementation. They are grouped using the list of Required Records named in Appendix A of the DRAFT MS4 Permit GP-0-17-002.</p> <p>Previous Year Goals (2018/2019):</p> <p>1. Co-sponsor with ACSWCD, 1 4hr E/SC training for Construction Site Operators; distribute promotional material to Coalition members; post training info on Coalition website; pay tuition as needed, if possible.</p> <p>April, 2019 Evaluation/Comments:</p> <p>Priority Activities for Upcoming Year (2019/2020):</p> <p>1. Co-sponsor with ACSWCD, 1 4hr E/SC training for Construction Site Operators; distribute promotional material to Coalition members; post training info on Coalition website; pay tuition as needed, if possible.</p>

Activity Logs

Activity Date	Data Type	Quantity	Comments
04/24/2019			<p>COMPLETED by 3/9/2019:</p> <p>1. Co-sponsor with ACSWCD, 1 4hr E/SC training for Construction Site Operators; distribute promotional material to Coalition members; post training info on Coalition website; pay tuition as needed, if possible. (COMPLETED, all)</p>

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Photos

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Z-Stormwater Coalition (MS4 Permit # NONE) BMP Detail | Minimum Control Measure: 33. *MCM 4 Construction Runoff Control: Construction Site Inspection documentation includ

Added:	4/24/19	Due:	NA
Completed:	NA	Description:	<p>*Goals (activities) evaluated here represent ongoing SWMP Plan implementation. They are grouped using the list of Required Records named in Appendix A of the DRAFT MS4 Permit GP-0-17-002.</p> <p>Previous Year Goals (2018/2019):</p> <ol style="list-style-type: none"> 1. Test, develop, and finalize an MS4 Construction Site Inspection Form using ESRI Survey123 ArcGIS Online platform (GRANT) 2. Purchase/load/give tablet w/MS4 Construction Inspection Form to interested MS4s.- may/may not be ESRI based (GRANT) 3. Depending on Coalition long term funding and administrative decisions, organize MS4 Construction Site Inspection training using tablets w/Form <p>April, 2019 Evaluation/Comments:</p> <p>Priority Activities for Upcoming Year (2019/2020):</p> <ol style="list-style-type: none"> 1. Organize MS4 Construction Site Inspection field training using tablets w/Form

Activity Logs

Activity Date	Data Type	Quantity	Comments
04/24/2019			<p>COMPLETED by 3/9/2019:</p> <ol style="list-style-type: none"> 1. Test, develop, and finalize an MS4 Construction Site Inspection Form using ESRI Survey123 ArcGIS Online platform (GRANT) (COMPLETED) 2. Purchase/load/give tablet w/MS4 Construction Inspection Form to interested MS4s.- may/may not be ESRI based (GRANT) (COMPLETED) 3. Depending on Coalition long term funding and administrative decisions, organize MS4 Construction Site Inspection training using tablets w/Form (PARTIALLY COMPLETED, tablet training for multiple forms, including MS4 Construction Site form)

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Z-Stormwater Coalition (MS4 Permit # NONE) BMP Detail | Minimum Control Measure: 38. *MCM 5 Post Construction Stormwater Management: Post-Construction Inspection doc

Added:	4/24/19	Due:	NA
Completed:	NA	Description:	<p>*Goals (activities) evaluated here represent ongoing SWMP Plan implementation. They are grouped using the list of Required Records named in Appendix A of the DRAFT MS4 Permit GP-0-17-002.</p> <p>Previous Year Goals (2018/2019):</p> <ol style="list-style-type: none"> 1. Test, develop, and finalize 3 PC SMP Inspection Forms modeled after NYSDEC Maintenance Guidance - SW Mgmt Practices (GRANT) 2. Purchase/load/give tablet w/PC SMP Forms to interested MS4s.- may/may not be ESRI based (GRANT) 3. Depending on Coalition long term funding and administrative decisions, organize MS4 PC SMPs Inspection training using tablets w/Form <p>April, 2019 Evaluation/Comments:</p> <p>Priority Activities for Upcoming Year (2019/2020):</p> <ol style="list-style-type: none"> 1. Develop pilot Survey123 PCSMP form using the NYSDEC Maintenance Guidance Stormwater Management Practices (March 31, 2017) while the Coalition Stormwater Program Technician is available

Activity Logs

Activity Date	Data Type	Quantity	Comments
04/24/2019			<p>COMPLETED by 3/9/2019:</p> <ol style="list-style-type: none"> 1. Test, develop, and finalize 3 PC SMP Inspection Forms modeled after NYSDEC Maintenance Guidance - SW Mgmt Practices (GRANT) (NOT COMPLETED) 2. Purchase/load/give tablet w/PC SMP Forms to interested MS4s.- may/may not be ESRI based (GRANT) (NOT COMPLETED) 3. Depending on Coalition long term funding and administrative decisions, organize MS4 PC SMPs Inspection training using tablets w/Form (NOT COMPLETED)

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Z-Stormwater Coalition (MS4 Permit # NONE) BMP Detail | Minimum Control Measure: 48. *MCM 6 Muni Op & Good Housekeeping: BMPs and procedures/protocols for low priority

Added:	4/24/19	Due:	NA
Completed:	NA	Description:	<p>*Goals (activities) evaluated here represent ongoing SWMP Plan implementation. They are grouped using the list of Required Records named in Appendix A of the DRAFT MS4 Permit GP-0-17-002.</p> <p>Previous Year Goals (2018/2019):</p> <ol style="list-style-type: none"> 1. Coordinate circulation of Coalition training DVDs for use by Coalition members 2. Depending on Coalition administrative decisions, develop/implement/fund an in-house SWPPP review training for members 3. Test, develop, and finalize Municipal Self Audit form modeled after Coalition Municipal Facility Self Audit Form and/or NYSDEC DRAFT MS4 Permit form (GRANT) 4. Purchase/load/give tablet w/Municipal Self Audit Form to interested MS4s.- may/may not be ESRI based (GRANT) 5. Depending on Coalition long term funding and administrative decisions, organize Municipal Facility Self Audit inspection training using tablets w/Form <p>April, 2019 Evaluation/Comments:</p> <p>Priority Activities for Upcoming Year (2019/2020):</p> <ol style="list-style-type: none"> 1. Coordinate circulation of Coalition training DVDs for use by Coalition members 2. Monitor closely DRAFT MS4 Permit requirements regarding MCM 6 municipal facilities (High, Low, MSGP). Explain/prepare Coalition members for changes. 3. Develop Coalition-wide staff development/training needs assessment; identify best approach in-house/vendors/DVDs; research costs and support materials; match needs to likely DRAFT MS4 Permit requirements.

Activity Logs

Activity Date	Data Type	Quantity	Comments
04/24/2019			<p>COMPLETED by 3/9/2019:</p> <ol style="list-style-type: none"> 1. Coordinate circulation of Coalition training DVDs for use by Coalition members (COMPLETED) 2. Depending on Coalition administrative decisions, develop/implement/fund an in-house SWPPP review training for members (NOT COMPLETED) 3. Test, develop, and finalize Municipal Self Audit form modeled after Coalition Municipal Facility Self Audit Form and/or NYSDEC DRAFT MS4 Permit form (GRANT) (COMPLETED) 4. Purchase/load/give tablet w/Municipal Self Audit Form to interested MS4s.- may/may not be ESRI based (GRANT) (COMPLETED) 5. Depending on Coalition long term funding and administrative decisions, organize Municipal Facility Self Audit inspection training using tablets w/Form (PARTIALLY COMPLETED, tablet training included use of Muni Facility Survey123 form)

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Photos

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