

SECTION I
MINIMUM MEASURE I
PUBLIC EDUCATION & OUTREACH PROGRAMS

SECTION I

(MINIMUM MEASURE 1)

PUBLIC EDUCATION AND OUTREACH PROGRAMS

1. Town Board Kickoff Meeting

In June 2005, a kickoff meeting was held with the town board to discuss the ongoing SWMP. Discussions at this meeting included the following topics:

- Overview of Phase II Stormwater Regulations
- Short Term Goals
- Implementation of Six(6) Minimum Measures

2. SWMP Guidance Manual

On June 15, 2005 a SWMP Guidance Manual was prepared for distribution to the Town Officials, the SWMP Steering Committee Members and the public. Copies of the Guidance Manual are available for the public to review at the town libraries, supervisor's office and highway department.

The Guidance Manual includes the following major topics:

- Applicability of the Phase II Stormwater Program to Philipstown
- Federal Stormwater Regulations
- New York State General Requirements
- Impacts of Stormwater Pollution
- Proposed Measurable Goals
- SWMP Implementation Suggestions
- Institutional and Financial Considerations
- Annual Program Assessment

3. Introductory Newsletter

In July of 2005, an introductory newsletter, outlining the Philipstown Stormwater Cleanup Campaign, was issued to the town for publication in the Putnam County News and Recorder.

4. Stormwater Steering Committee

In order to comply with the new stormwater program, the town is in the process of establishing a Stormwater Steering Committee. This committee will be comprised of supervisory personnel from town departments, as well as elected and appointed officials from Philipstown, Cold Spring and Nelsonville. The primary function of this group will be to closely monitor the stormwater management program adopted by the town and to ensure that the program complies with the intent of NYSDEC permit for stormwater discharges from the town.

5. Citizen Advisory Panel

The town is also planning on creating a Stormwater Citizen Advisory Panel. The panel will consist of citizens from Philipstown, Cold Spring, Nelsonville, North Highlands, Continental Village, Garrison and other locales within the town. The panel will be primarily responsible for providing stormwater information through meetings and workshops and for receiving feedback from the community on the progress of the program. In addition the panel will also be in charge of organizing local volunteer monitor groups, responsible for identifying potential sources of pollution along the Hudson River, town streams and other water courses and drainage channels in the town.

6. SWMP Website Development

The town will develop a SWMP link on the Town's Website, for the purpose of including contact names, fact sheets, past and upcoming SWMP events. The Website will also be utilized for the placement of the SWMP Guidance Manual and the Year 2 SWMPAR, so that public access can be obtained on the SWMP adopted by the Town.

7. Library of Educational Materials for Stormwater Management

The town will explore how a library of education materials on stormwater related topics can be made available to the public to review

8. Fact Sheets

A number of Fact Sheets will be developed for the public to review either on the SWMP link on the Town's Website or in the local newspapers, or as inserts with other documents sent to the public. The Fact sheets will cover the following topics:

- Sensitive Water Bodies in the Town
- Trash & Recycling Programs & Impacts on Stormwater
- Water Conservation Measures
- Hazardous Waste Collection & Recycling
- Construction/Post-Construction Regulations
- Pollution Prevention/Good Housekeeping

9. Outreach Programs

Philipstown will explore in Year 3, how to present speakers to community groups and schools on the following subjects:

- Sensitive Water Bodies in the Town
- Trash & Recycling Programs & Impacts on Stormwater
- Water Conservation Measures
- Hazardous Waste Collection & Recycling
- Construction/Post-Construction Regulations
- Pollution Prevention/Good Housekeeping

1. TOWN BOOARD KICKOFF MEETING

**TOWN OF PHILIPSTOWN
TOWN BOARD KICKOFF MEETING**

**PHASE II
STORM WATER PROGRAM**

TO CONTROL RUNOFF AND IMPROVE WATER QUALITY

JUNE 8, 2005

**CFE CONSULTING SERVICES, LLC
178 BENNETTS FARM ROAD
RIDGEFIELD, CT 06877
203-431-2683, 203-438-5018**

AGENDA

JUNE 8, 2005 KICK-OFF MEETING

I - OVERVIEW OF PHASE II STORMWATER REGULATIONS

- **FEDERAL UNFUNDED MANDATE**
- **NOTICE OF INTENT (NOI)**
- **STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM (SPDES) PERMIT**

II - IMMEDIATE ACTIONS

- **PREPARATION OF SWMP GUIDANCE MANUAL**
- **HOLD PUBLIC MEETING**
- **PREPARATION OF YEAR 2 SWMPAR**

III - IMPLEMENTATION OF SIX(6) MINIMUM MEASURES

- **PUBLIC EDUCATION**
- **PUBLIC PARTICIPATION**
- **ILLICIT DISCHARGE DETECTION AND ELIMINATION (ADOPT LOCAL LAW)**
- **CONSTRUCTION MANAGEMENT CONTROLS (ADOPT LOCAL LAW)**
- **POST-CONSTRUCTION MANAGEMENT CONTROLS (ADOPT LOCAL LAW)**
- **POLLUTION PREVENTION & GOOD HOUSEKEEPING**

2. SWMP GUIDANCE MANUAL

CFE CONSULTING SERVICES, LLC

MBE CIVIL/ENVIRONMENTAL CONSULTANT

178 BENNETTS FARM ROAD
RIDGEFIELD, CT 06877
203-431-2683

June 15, 2005

William Mazzuca, Supervisor
Town of Philipstown
238 Main Street
Cold Spring, New York 10516

RE: PHASE II STORM WATER MANAGEMENT PROGRAM PLAN FOR THE TOWN OF PHILIPSTOWN, NY

Dear Supervisor Mazzuca:

As discussed at the June 8, 2005 Town Board Meeting, CFE Consulting Services, LLC (CFE) has completed the preparation of a SWMP Guidance Manual. Please have this manual placed at your office, the highway department and the two (2) town libraries, so that the public can review this document prior to the Public Meeting of June 29, 2005.

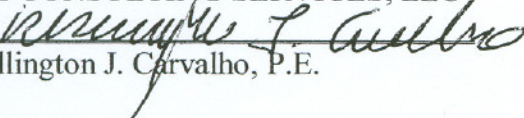
I will attend and conduct the Public Meeting on behalf of the Town, and address questions comments, and/or concerns that the Public may have on the SWMP adopted by the Town. Subsequent to the Public Meeting, a responsiveness summary will be prepared and the Final SWMPAR will be finalized incorporating major issues that the public may have.

Copies of the Year 2 Final SWMPAR will be submitted to the NYSDEC and copies will be sent to your office for your records and for public inspection.

If you have any questions, please do not hesitate to contact me at 203-431-2683 or by e-mail at wellingtoncarvalho@sbcglobal.net.

Very truly yours,

CFE CONSULTING SERVICES, LLC


Wellington J. Carvalho, P.E.

ENCL

cc: File

CFE CONSULTING SERVICES, LLC

MBE CIVIL/ENVIRONMENTAL CONSULTANT

178 BENNETTS FARM ROAD
RIDGEFIELD, CT 06877
203-431-2683

June 22, 2005

William Mazzuca, Supervisor
Town of Philipstown
238 Main Street
Cold Spring, New York 10516

RE: PHASE II STORM WATER MANAGEMENT PROGRAM PLAN FOR THE TOWN OF PHILIPSTOWN, NY

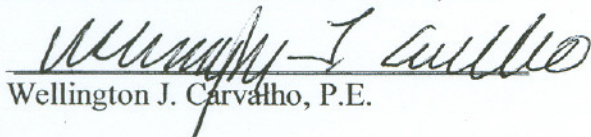
Dear Supervisor Mazzuca:

Enclosed are six (6) additional copies of the SWMP Guidance Manual for distribution to the Town Council members.

If you have any questions, please do not hesitate to contact me at 203-431-2683 or by e-mail at wellingtocarvalho@sbcglobal.net.

Very truly yours,

CFE CONSULTING SERVICES, LLC


Wellington J. Carvalho, P.E.

ENCL
cc: File

SWMP

GUIDANCE MANUAL FOR

**STORM WATER MANAGEMENT PROGRAM
NEW YORK STATE
SPDES GENERAL PERMIT NO. GP-02-02**

**TOWN OF PHILIPSTOWN
238 MAIN STREET
COLD SPRING, NEW YORK 10516**

JUNE 2005

**CFE CONSULTING SERVICES
178 BENNETTS FARM ROAD
RIDGEFIELD, CT 06877
203-431-2683, 203-438-5018**

STORMWATER MANAGEMENT PROGRAM

SPDES GENERAL PERMIT NO. GP-02-02

TABLE OF CONTENTS

<u>SECTION</u>	<u>TITLE</u>	<u>PAGE</u>
1	SWMP ORGANIZATION	
1.1	Plan Overview	4
1.2	Plan Revisions and Updates.....	4
1.3	Applicability of the Stormwater Management Program.....	4
1.4	Document Organization.....	5
2	FEDERAL STORMWATER REGULATIONS	
2.1	Federal Clean Water Act.....	7
2.2	Phase I Stormwater Regulations.....	7
2.3	Phase II Stormwater Regulations	8
2.4	Applicability of Phase II Stormwater Regulations.....	8
2.5	New York State General Requirements.....	8
2.6	Definitions.....	9
3	IMPACTS OF STORMWATER POLLUTION	
3.1	Impacts of Diffuse Sources of Pollution.....	10
3.2	Commonly Discharged Pollutants from Stormwater.....	10
4	PROPOSED MEASURABLE GOALS	
4.1	Public Education and Outreach.....	12
4.1.1	Stormwater Educational Materials.....	12
4.2	Public Involvement and Participation.....	13
4.2.1	Public Exchange of Information.....	13
4.3	Illicit Discharge Detection and Elimination.....	14
4.3.1	Audit of Illicit Connections.....	15
4.3.2	Tracking System to Map Outfalls.....	15
4.3.3	Establish Legal authority.....	16
4.4	Construction Site Stormwater Runoff Controls.....	16
4.4.1	Development of Regulatory Procedures.....	17
4.4.2	Site Assessments and Inspections.....	17

STORMWATER MANAGEMENT PROGRAM

SPDES GENERAL PERMIT NO. GP-02-02

TABLE OF CONTENTS

<u>SECTION</u>	<u>TITLE</u>	<u>PAGE</u>
4.5	Post-Construction Site Stormwater Runoff Controls.....	18
4.5.1	Procedures for Structural and Non-Structural BMPs.....	18
4.5.2	Long-Term Operation and Maintenance Controls.....	19
4.6	Pollution Prevention/Good Housekeeping.....	19
4.6.1	Employee Training.....	19
4.6.2	Spill Response and Prevention.....	20
5	SWMP IMPLEMENTATION SUGGESTIONS	
5.1	Phase I – Getting Started.....	22
5.2	Phase II – Program Development.....	24
5.3	Phase III – Maintain Your Program.....	25
6	INSTITUTIONAL AND FINANCIAL CONSIDERATIONS	
6.1	Formation of a Stormwater Management Department.....	26
6.2	Cooperative Efforts with Other Parties.....	26
6.3	Funding of Stormwater Initiatives.....	26
7	ANNUAL PROGRAM ASSESSMENT	
7.1	Annual Program Accomplishments.....	28
7.2	Recordkeeping.....	28
7.3	Reporting.....	28
7.4	Schedule of Implementation.....	28

3. INTRODUCTORY NEWS ARTICLE
STORMWATER MANAGEMENT STEERING COMMITTEE
CITIZEN ADVISORY PANEL

CFE CONSULTING SERVICES, LLC

MBE CIVIL/ENVIRONMENTAL CONSULTANT

178 BENNETTS FARM ROAD
RIDGEFIELD, CT 06877
203-431-2683

July 1, 2005

William Mazzuca, Supervisor
Town of Philipstown
238 Main Street
Cold Spring, New York 10516

RE: PHASE II STORM WATER MANAGEMENT PROGRAM PLAN FOR THE TOWN OF PHILIPSTOWN, NY

Dear Supervisor Mazzuca:

Attached is an introductory **news article** on Philipstown Stormwater Cleanup Campaign. Please review the article, and if acceptable, release it for publication in the Putnam County News and Recorder for public review.

In addition, the town should start the process of establishing the **Stormwater Management Steering Committee**. Representatives for the steering committee should include people who are both interested and dedicated to the program and have leadership and communication skills. CFE suggests you include at least one public or elected official from Philipstown, Cold Spring and Nelsonville, the town attorney, public relations officer and supervisory personnel from the highway department, planning and zoning and code enforcement office on the Steering Committee.

Suggested makeup of the **Citizen Advisory Panel** may include stakeholders willing to serve from each of the following organizations:

- Representatives from three governments: Philipstown, Cold Spring and Nelsonville
- Representatives from three school districts: Haldane, Garrison and Lakeland
- Putnam Riverfront Alliance
- Scenic Hudson Land Trust Inc.
- New York State Office of Parks, Recreation and Historic Preservation/Taconic Region
- Open Space Conservancy, Inc

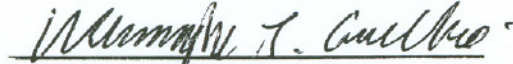
It is also recommended that a **contact person**, who can be reached during normal business hours, be identified for the Stormwater Management Steering Committee and the Citizen Advisory Panel.

CFE suggests that the steering committee and advisory panel be fully operational by September 1, 2005, so that stormwater workshops, training and presentations can start shortly thereafter.

Should you have any questions, please do not hesitate to contact me at 203-431-2683 or by e-mail at wellingtocarvalho@sbcglobal.net.

Very truly yours,

CFE CONSULTING SERVICES, LLC


Wellington J. Carvalho, P.E.

ENCL
cc: File

PHILIPSTOWN EMBARKS ON A STORMWATER CLEANUP CAMPAIGN

A Pubic Meeting held on June 29, 2005 at 7.30 pm at the Town Annex VFW Hall was the latest step in a five-year program to manage stormwater runoff and comply with state and federal regulations.

In July 2003, the town filed a Notice of Intent with the New York State Department of Environmental Conservation (NYSDEC) to comply with the new ***Phase II Stormwater Regulations*** adopted by the state under the Federal Clean Water Act.

Stormwater from Philipstown that runs off the land through the town's drainage systems ultimately discharges to the Hudson River and the Croton Watershed, with the potential of carrying litter, soil, bacteria and other pollutants into these water bodies. This pollution results in destruction of aquatic habitats, as well as affecting the quality of our drinking water supplies. Large amounts of runoff during heavy rainfalls also cause yard, streets and basement flooding.

In order to comply with the new stormwater program, the town is in the process of establishing a ***Stormwater Steering Committee***. This committee will be comprised of supervisory personnel from town departments, as well as elected and appointed officials from Philipstown, Cold Spring and Nelsonville. The primary function of this group will be to closely monitor the stormwater management program adopted by the town and to ensure that the program complies with the intent of NYSDEC permit for stormwater discharges from the town.

In addition the town will create a ***Stormwater Citizen Advisory Panel***. The panel will consist of citizens from Philipstown, Cold Spring, Nelsonville, North Highlands, Continental Village, Garrison and other locales within the town. The panel will be primarily responsible for providing stormwater information through meetings and workshops and for receiving feedback from the community on the progress of the program. In addition the panel will also be in charge of organizing local volunteer monitor groups, responsible for identifying potential sources of pollution along the Hudson River, town streams and other water courses and drainage channels in the town.

A guidance manual, describing the new stormwater program is now available for the public to review at the town libraries, supervisor's office and highway department. For additional information about programs, publications and related stormwater events, the public is also encouraged to visit the state's website at <http://www.dec.state.ny.us/website/dow/mainpage.htm>.

Philipstown Seeks Volunteers to Serve on Committees

In order to comply with the new storm water program, the town is in the process of establishing a Storm-Water Steering Committee. This committee will be comprised of supervisory personnel from town departments, as well as elected and appointed officials from Philipstown, Cold Spring and Nelsonville. The primary function of this group will be to closely monitor the Storm Water management program adopted by the town and to ensure that the program complies with the intent of NYSDEC permit for storm water discharges from the town.

In addition the town will create a Storm Water Citizen Advisory Panel. The panel will consist of citizens from Philipstown, Cold Spring, Nelsonville, North Highlands,

Continental Village, Garrison and other locales within the town. The panel will be primarily responsible for providing storm water information through meetings and workshops and for receiving feedback from the community on the progress of the program. In addition the panel will also be in charge of organizing local volunteer monitor groups, responsible for identifying potential sources of pollution along the Hudson River, town streams and other watercourses and drainage channels in the Town.

Suggested makeup of the Citizens Advisory Panel may include stakeholders willing to serve from each of the following organizations:

- Representatives from three

government: Philipstown, Cold Spring and Nelsonville;

- Representatives from three school districts: Haldane, Garrison and Lakeland;

- Putnam Riverfront Alliance
- Scenic Hudson Land Trust, Inc.;

- New York State Office of Parks, recreation and Historic Preservation/Taconic Region;

- Open Space Conservancy, Inc.

- Any interested parties may send resumes to the Town Clerk's Office or to Supervisor Mazzuca at 238 Main Street, P.O. Box 155, Cold Spring, New York 10516.

Resumes must be submitted by August 15, 2005; if you have any questions, please feel free to contact the Town Hall at 265-5200 or 265-3329.