

**SPDES General Permit for Stormwater Discharges from  
Small Municipal Separate Storm Sewers (MS4s), Permit GP-02-02  
Stormwater Management Program Annual Report**

**MS4 Name: VILLAGE OF ARDSLEY**

**SPDES Number: NYR20A316**

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## **Executive Summary:**

Ardsley is a very small municipality and the Stormwater Management program is proceeding on schedule. Public outreach and education has included distribution of literature and establishment of sites where information can always be obtained. An initial televised public session informed the Village of the program and measures that the public can take to improve stormwater management right away. There are plans to improve public education through the use of the Village website and smaller meetings with selected groups such as Scout troops and civic organizations are planned.

Public participation will be elicited for the stenciling program which will begin in fall 2004. The Village has been divided in thirds to accomplish this task. Using guidance from the local Watershed Advisory Committee, stream walks are planned for Village water courses. A park clean-up activity is scheduled for May and more are planned for next spring.

Outfall mapping has been completed for the Village. Previous detection of illicit connections was conducted using televising of sewers and dye testing is planned for year 3. The Building Inspector will coordinate detection and enforcement. The Fire and Police Departments, as well as the Department of Public Works will help in the enforcement efforts. Adoption of IDDE legislation is planned to coincide with the availability of further guidance from NYSDEC to reduce the cost to the Village of researching legislation.

Both construction sites in the Village whose area exceed one acre are in full compliance with Stormwater Management regulations. Contractors have received educational materials from the Building Inspector and training sessions are planned to begin in year 2. Some legislation already exists in Village Code regulating drainage management. The Model Local Law for Stormwater Management and Erosion & Sediment Control (April 23, 2004 NYSDEC) will be adopted in June 2004 to cover both pre- and post-construction matters. Stormwater practices throughout the Village will be assessed to see if they are working properly.

Ardsley DPW maintains all roadways, sewers and parks in the Village. Vehicle service and washing are being done properly at the Highway Department. Roadway repair proceeds immediately and there is no storage of asphaltic material. Salt and sand are stored under plastic covers and plans are to transfer these materials to indoor storage. Street cleaning is done regularly by mechanical methods and not washing into storm drains. Catch basins are vacuumed every other year and cleaned manually yearly. An active recycling program is in place and household chemical clean-up information is available. Village parks were maintained by a landscaping service, but DPW will assume this task in year 2 to reduce cost. Herbicide and pesticide use is minimal and applications will continue to be made by licensed contractors. A DPW BMP manual is in preparation and will be used for training of personnel. Record keeping will be upgraded.

George Calvi, Village Manager, is the principal contact for Stormwater Management. Larry Tomasso, Building Inspector, is responsible for overseeing inspection and enforcement. Lorraine Kuhn, Administrative Assistant, prepares written correspondence. The Department of Public Works implements the program in the field. All operations are under the auspices of Mayor Sam Abate and the Village Board of

Trustees, as well as the Village Manager. Some services have been provided under contract to the Village by Rotfeld Engineering (Tarrytown, New York). An intermunicipal application for funds from the Environmental Protection Fund has been filed and funding is pending. The lead agency is the Village of Sleepy Hollow.

**Storm water Management Program Annual report**  
**Six Minimum Measures Section-**  
 March 10, 2003 – March 9, 2004

Municipality Name:    **VILLAGE OF ARDSLEY**

SPDES Number:    **NYR20A316**

Use this table to summarize your Storm water Management Program Minimum Measures for Sections I through VI. We request that MS4s fill out this table electronically. The table is available in Microsoft Word, Microsoft Excel and Corel WordPerfect, or you may duplicate this table manually. To request the electronic versions, send an e-mail to [stormh2o@gw.dec.state.ny.us](mailto:stormh2o@gw.dec.state.ny.us) with the subject line: SWMPAR/MMC REQUEST. You will receive all three software versions. Once you have completed the table, send a **hard copy only** with your report to the addresses in the instructions.

**MINIMUM MEASURE 1: Public Education and Outreach in Storm water Impacts**

**A. Narrative Overview:**

Pollutant of greatest concern in Ardsley is sediment from run-off. Residents are being encouraged to report chronic run-off problems during storm events and measures such as re-direction of down spouts and use of dry wells are being promoted. Non-storm water discharges are trying to be reduced by encouraging car washing over permeable surfaces, emptying of swimming pools onto permeable owner property surfaces and discouraging over-watering of lawns. Proper disposal of household chemicals has been especially promoted by announcement of County Clean-up days at Village Board meetings, as well as reminders to continue recycling and composting practices. Storm water literature was made available at specific displays at Village Hall, Ardsley Public Library and the Community Center. A “PowerPoint” presentation, which included an outline of the six measurable goals and five-year plan and measures that can be taken by community and businesses, was presented at a televised Village Board meeting and then aired twice daily on cable access television for four months.

<b>B. Implementation of Best Management Practices</b>			<b>C. Activities Planned for Upcoming Year</b>
Type in the management practices selected in your NOI and any additional ones that you worked on.	Any done in the past year?		Describe SWMP activities that are planned for the next year and changes to selected management practices/measurable goals .
	YES	NO	
<b>TECHNIQUES</b>			

Municipality Name  
 SPDES Number

<b>B. Implementation of Best Management Practices</b>			<b>C. Activities Planned for Upcoming Year</b>
Type in the management practices selected in your NOI and any additional ones that you worked on.	Any done in the past year?		Describe SWMP activities that are planned for the next year and changes to selected management practices/measurable goals .
	YES	NO	
Plan and conduct an ongoing public education and outreach program (required)	YES		Public notice (1/19/2004) and public hearing (2/2/2004) at televised Village Board meeting presented on all details contained in MS4 NOI (measurable goals). Please see attached Item 1.
Webpage	YES		Updates on program progress will be presented at Village Board Meetings with community groups (Scouts, Garden Club, Planning Board) Recording of attendance
			Webpage to contain cartoon-type advice to homeowners, record “visits” to page “Hotline” comment box will be established for reporting acute and chronic drainage problems
Printed Matter	YES		Initial discussions with webmaster outlining type of material to be contained on webpage, including inclusion of animated material
			Will continue to replenish supplies of literature Make literature available at Village Events and record number taken
Media	YES		Distributed at Village Hall, Library and Community Center. Please see attached Item 2. Clean-up Day and Compost literature also available at Village Hall
			Cable access television airing of Storm water program outline twice daily
Library	YES		Will produce new program with additional tips for homeowners and businesses Updates presented at televised Village Board meetings
			Materials replenished at Library Library Director (Angela Groth) consulted about program, helping to distribute materials
Lawn and garden	YES		Continue to provide materials Provide comment sheet at Library for public questions and input
			Mayor and Village Manager repeatedly encouraged local businesses and homeowners to sweep and clean sidewalks and properly maintain green areas in written directives and at televised Village Board meetings
			Village clean-up days for local parks and streets planned for next year

<b>B. Implementation of Best Management Practices</b>			<b>C. Activities Planned for Upcoming Year</b>
Type in the management practices selected in your NOI and any additional ones that you worked on.	Any done in the past year?		Describe SWMP activities that are planned for the next year and changes to selected management practices/measurable goals .
	YES	NO	
Pet Waste	YES		Village Manager reminder to pick up after dogs and license all dogs in the Village Village Code Ordinance 90: DOGS AND OTHER ANIMALS(90-10 A and B)
Trash	YES		Successful recycling program in place DPW distributes schedule Village Code Ordinance 122: GARGAGE, RUBBISH AND REFUSE (122-4 A and B, 122-5 A and B, 122-9, 122-11 to 13, 122-17 B, 122-20)

## **MINIMUM MEASURE 2: Public Involvement/Participation**

### **A. Narrative Overview:**

Public presentation of the Storm water Management Plan was presented on 2/2/2004. Explanation and definition of Phase I, Phase II and MS4 was given. Financial arrangements were explained. This was followed by presentation of suggested practices to follow. Scout troop leaders have been called and apprised of the need for involvement. Public response thus far has been limited. More outreach events will be planned and storm water awareness will be incorporated into other Village events and meetings. The Village Planning Board will be brought into the process to increase stakeholders involved.

<b>B. Implementation of Best Management Practices</b>			<b>C. Activities Planned for Upcoming Year</b>
Type in the management practices selected in your NOI and any additional ones that you worked on.	Any done in the past year?		Describe SWMP activities that are planned for the next year and changes to selected management practices/measurable goals .
	YES	NO	
<b>TECHNIQUES</b>			
Public notice and access to documents and information (required)	YES		Public notice for public hearings announced two weeks prior to hearings at Village Board Access to documents at three locations, Village Hall, Library and Community Center  Plan to post documents on Village Website Make documents available at Ardsley elementary, middle and high schools Supply sign-in sheet at locations to record responses



B. Implementation of Best Management Practices			C. Activities Planned for Upcoming Year
Type in the management practices selected in your NOI and any additional ones that you worked on.	Any done in the past year?		Describe SWMP activities that are planned for the next year and changes to selected management practices/measurable goals .
	YES	NO	
Public presentation and comments received on SWMP and annual report (required)	YES		<p>Presentation of SWMP on 2/2/2004  Attendance = 10 including Mayor and Village Trustees, Garden Club members, Cable Television Committee and two local real estate developers as well as television audience which comprises approximately 60% of the Village  Public comments:  Interest in gardening techniques to control water run-off  Concern over standing water and increase of wetland area due to West Nile fears  Concern over ice on roadways due to snow melt (Snow melt was addressed by Village Board by more enforcement of prohibition of shoveling snow from private property onto public roadways)  Concern about how to pay for new responsibilities entailed in this program (cost of educational programs, inspection and enforcement)  Presentation of SWMPAR on 6/21/2004 (Public notice on 6/7/2004) due to scheduling difficulties</p> <p>Plan to maintain log at Village Hall for comments on SWMPAR  Post SWMPAR on Website and set up box for comments  Additional comments and amended document will be sent June 2004 following Public Hearing 6/21/2004</p>

<b>B. Implementation of Best Management Practices</b>			<b>C. Activities Planned for Upcoming Year</b>
Type in the management practices selected in your NOI and any additional ones that you worked on.	Any done in the past year?		Describe SWMP activities that are planned for the next year and changes to selected management practices/measurable goals .
	YES	NO	
Public involvement/ participation program(required)	YES		<p>Posted information on scheduled Streamwalk training (3/2004)</p> <p>Clean-up Ashford Park Day scheduled (5/2004)</p> <p>Plan Clean-up events for other local parks</p> <p>Plan Clean-up for local small water bodies (Sprain Brook, Bramble Brook) with assistance from Watershed Advisory Committee</p> <p>Record attendance at activities</p> <p>Meet with Scout troops</p> <p>Elementary school Nature Craft Camp scheduled for Summer 2004 (promote environmental awareness)</p>
Contact person identified (required)	YES		<p>George Calvi, Village Manager (principal contact)</p> <p>Larry Tomasso, Building Inspector (inspection and enforcement)</p> <p>Lorraine Kuhn (correspondence)</p> <p>Plan to list contact persons on DPW publications and Village newsletter</p>
Storm drain stenciling	YES		<p>Contact person for materials Kay Eisenman, Westchester County Planning Department</p> <p>Divided Village map into three segments:</p> <p>Area south of Ashford Avenue</p> <p>Area between Ashford Avenue and Heatherdell Road</p> <p>Area north of Heatherdell Road</p> <p>Stenciling planned to begin in fall of year 2</p>
Clean-up	YES		<p>Clean-up of Ashford Park scheduled</p> <p>Continue clean-up of “pocket” parks</p> <p>Begin clean-up of stream banks</p> <p>Maintain record of bags of garbage collected (reduction of floatables)</p>

### **MINIMUM MEASURE 3: Illicit Discharge Detection and Elimination**

#### **A. Narrative Overview:**

According to the Building Inspector of the Village of Ardsley, no illicit connections to the storm sewer system were detected this year. The Annual Municipal Sewer Maintenance and Repair Report filed by Rotfeld Engineering (Tarrytown, New York) on August 11, 2003 on behalf of the Village of Ardsley further states that no detections were made this year. Sewer televising was last performed in 2001. Further testing is planned for year 3, as stated in the MS4 NOI. Complaints of illegal dumping were minor and are outlined in the attached report obtained from Ardsley Police files (please see Item 3). However minor, this indicates that enforcement is in action. Also, according to Police files, there were no spills of hazardous materials reported in the Village last year.

Outfall mapping was completed for the Village by Rotfeld Engineering (5/2004, please see Item 4). Storm drains will be stenciled beginning this fall. Distribution of literature to local businesses is planned for next year.

Some pertinent legislation is already contained in the Village Code. Since IDDE legislation is being formulated currently by NYDEC to fit New York State standards and since Ardsley is a small municipality with very limited resources to conduct extensive review of law to fit New York State standards, adoption of additional IDDE legislation is planned for year 3.

<b>B. Implementation of Best Management Practices</b>			<b>C. Activities Planned for Upcoming Year</b>
Type in the management practices selected in your NOI and any additional ones that you worked on.	Any done in the past year?		Describe SWMP activities that are planned for the next year and changes to selected management practices/measurable goals .
	YES	NO	
<b>ACTIVITIES</b>			
Outfall mapping (required)	YES		Completed for the Village of Ardsley by Rotfeld Engineering 200 White Plains Road Tarrytown, New York 10591 (914) 631-8600  Plan to use mapping as guide for routine inspection and stenciling program

<b>B. Implementation of Best Management Practices</b>			<b>C. Activities Planned for Upcoming Year</b>
Type in the management practices selected in your NOI and any additional ones that you worked on.	Any done in the past year?		Describe SWMP activities that are planned for the next year and changes to selected management practices/measurable goals .
	YES	NO	
Illicit discharges prohibited (required)	YES		<p>Village Code Ordinance 64: BUILDING CONSTRUCTION (64-12 D, 64-48)</p> <p>96: ENFORCEMENT OF CODE (96-2)</p> <p>112: FIRE PREVENTION (112-44, 112-73 I., 112-98 A and B, NFPA No. 327, 328, 329, 395, 11, 92M, 491M)</p> <p>128: INCINERATORS (none in Ardsley)</p> <p>132: LANDFILLS (132-2, 132-3 A, 132-4 B, C, D (1 and 6) and E, 132-6 C, 132-7)</p> <p>156: PROPERTY MAINTENANCE (156-2 A, C and D)</p> <p>178: STREETS AND SIDEWALKS (173-3 B, 173-5 A and B, 173-10 C, 173-19, 173-21 I, 173-31 A (1), B (1 – 6) and E (1 and 2), 173-34 A (2), 173-40 G, 173-44 D)</p>
Public, employees, businesses informed of hazards from illicit discharges (required)	YES		<p>Some literature currently available contains description of hazards</p> <p>DPW employees are advised how to handle noxious materials</p> <p>Plan to broaden community information by visiting businesses directly and distributing educational materials</p> <p>Involve the Police and Fire Departments to help as inspectors</p> <p>Involve the Planning Board in regulatory enforcement and education</p>

B. Implementation of Best Management Practices				C. Activities Planned for Upcoming Year
Type in the management practices selected in your NOI and any additional ones that you worked on.	Any done in the past year?		If YES, describe what measurable goals that were achieved and other accomplishments.  If NO, and the item was checked off on your NOI, describe why the task was not accomplished and, if still a measurable goal, list in column C.	Describe SWMP activities that are planned for the next year and changes to selected management practices/measurable goals .
	YES	NO		
Illicit discharges identified (required)	YES		Previous televising of sewers in 2001 Only 10 septic systems in Village	Plan to expand testing in year 3 Sampling of outfalls planned for year 4 Involve local civic groups in testing program (even as simple as using pH and ammonia detection kits from aquarium supply) Monitor reports of suspicious outflows on website “hotline”
Dye testing		NO	Still using previously obtained data from sewer televising	Plan dye testing connections in year 3
Other ordinances/sampling	YES		Existing Village Ordinances outlined in “Illicit discharges prohibited”	Plan to adopt IDDE legislation in year 3
Wastewater connections to storm drain system	YES		No additional connections detected this year	Continue inspection program Dye testing in year 3

#### **MINIMUM MEASURE 4: Construction Site Storm water Runoff Control**

##### **A. Narrative Overview:**

All construction sites in the Village of Ardsley are inspected by the Village Building Inspector on a very frequent basis. All sites in progress, regardless of size, are employing several storm water containment practices, the minimum being silt fences and hay bales. Two projects ongoing in the past year exceed one acre in area. Woodlands Senior Housing at 1015 Saw Mill River Road is a 5+ acre site being constructed by Hassert Belfer (Great Neck, New York). Two retention ponds, silt fences, hay bales and tracking pads are being used. Stockpiles are being stabilized with grass seed. Site is inspected weekly by the Building Inspector and 3 to 5 times per week by Kellard Engineering (Armonk, New York). The second project is Woodlands Estates on Sylvia Avenue, an 11 lot subdivision covering 3+ acres. It is adjacent to the Senior Housing development and storm drains have been installed which drain to the Senior Housing retention ponds. It also employs silt fences, hay bales and tracking pads. In addition to monitoring by the Village Building Inspector, McGarvey Engineering (Yonkers, New York) is inspecting this site.

Some legislation is already contained in the Village Code regulating construction activities. The Model Local Law for Storm water Management and Erosion & Sediment Control, drafted April 23, 2004 by NYSDEC, will be adopted in June 2004.

<b>B. Implementation of Best Management Practices</b>			<b>C. Activities Planned for Upcoming Year</b>
Type in the management practices selected in your NOI and any additional ones that you worked on.	Any done in the past year?		Describe SWMP activities that are planned for the next year and changes to selected management practices/measurable goals .
	YES	NO	
<b>REQUIREMENTS</b>			
Require erosion and sedimentation controls through an ordinance or other regulatory mechanism (required)	YES		Village Code Ordinance 105: EXCAVATIONS (105-2, 105-4 C, D, E (4), F, 105-5 C) 115: FLOOD DAMAGE PREVENTION (115-2 A to F), 115-3, 115-4 B, 115-6, 115-7, 115-9, 115-11 A (b, c and e), 115-12 A (3b), B, D (1 and 2), E (1), F, G, H (2), 115-13 C (2, 3 and 4), D (3), E (1 and 2), 115-15, 115-16 C (1, 2, 6, 10), 115-17 A and B 173: STREETS AND SIDEWALKS (173-44 D) 200: ZONING (200-30 B (2), 200-92 A (1 a to j, 2), 200-93 A (1 a to k), B (1 a to h), C (1, 2 a to e)
			Plan to adopt Storm water Management and Erosion & Sediment Control legislation which includes SPPP documentation guidelines in June 2004 Currently, 100% compliance by projects in progress

<b>B. Implementation of Best Management Practices</b>			<b>C. Activities Planned for Upcoming Year</b>
Type in the management practices selected in your NOI and any additional ones that you worked on.	Any done in the past year?		Describe SWMP activities that are planned for the next year and changes to selected management practices/measurable goals .
	YES	NO	
Provide opportunity for public comment on construction plans (required)	YES		All projects are reviewed multiple times at televised Public Hearings before the Village Board Plans are kept at Village Hall for public inspection
Require construction site plan review (required)	YES		EIS preparation (Village Code 102: ENVIRONMENTAL QUALITY REVIEW) With particular regard to wetlands (167: SITE PLAN REVIEW 167-2 C (1g, m. o and q) SEQR process (167-3 A, E (4, 6 and 8) Planning Board and Village Board review all plans multiple times
Require overall construction site waste management (required)	YES		General provisions under Village Code 122: GARBAGE, RUBBISH AND REFUSE and 132: LANDFILL( 132-6 C with regard to removal of debris) Current projects have stabilized excavated material on site prior to removal Construction waste is removed regularly by truck
Site inspection and enforcement (required)	YES		Weekly inspection of site by Building Inspector, 3 to 5 times per week by Engineering firm under contract to Village Village Code 115: FLOOD DAMAGE PREVENTION 115-12 F Building Inspector can issue stop-work order if necessary

B. Implementation of Best Management Practices				C. Activities Planned for Upcoming Year
Type in the management practices selected in your NOI and any additional ones that you worked on.	Any done in the past year?		If YES, describe what measurable goals that were achieved and other accomplishments.  If NO, and the item was checked off on your NOI, describe why the task was not accomplished and, if still a measurable goal, list in column C.	Describe SWMP activities that are planned for the next year and changes to selected management practices/measurable goals .
	YES	NO		
Education and training of construction site operators (required)	YES		Issued directive sheet outlining acceptable practices for storm water management to both construction teams (“Storm water and the Construction Industry April 2003 EPA 833-H-03-001)	Both (2) sites received information Plans for year 2 to implement training sessions at Village Hall (possible use of videotape viewing sessions) Intermunicipal cooperation planned Contact Ann Marie Mitroff, Saw Mill River Coalition (Hastings, New York) and contract to provide training services
New York State Standards and Specifications for Erosion and Sediment Control	YES		Construction Management Practices Catalogue for Nonpoint Source Pollution Prevention in New York State (June 2000) available at Village Hall	Plan to use this document as part of training in year 2
New York State Storm water Management Design Manual	YES		New York State Storm water Management Design Manual (August 2003) available at Village Hall	Plan to use as reference guide and as part of training program



## **MINIMUM MEASURE 5: Post-Construction Storm water Management**

### **A. Narrative Overview:**

Ardsley is included in the Grassy Sprain Brook Watershed district and a Village representative serves on the Watershed Advisory Committee (WAC, District 7). The Advisory Committee has ongoing stream monitoring programs. An updated map showing development of the Ardsley area was submitted to the Committee on May 10, 2004. General guidance from the Committee will be used in assessment of all Ardsley water courses, especially with regard to quantifying pollutants. Techniques will be applied to the west side Saw Mill River area as well.

The commercial district of Ardsley contains “strip malls”, each of which contain tree and grass bio retention practices in addition to storm sewer service. Sidewalk areas throughout the Village, as well as cross walks, were modified to include red brick sections which increase porosity slightly over the original solid concrete slab or asphalt.

<b>B. Implementation of Best Management Practices</b>			<b>C. Activities Planned for Upcoming Year</b>
Type in the management practices selected in your NOI and any additional ones that you worked on.	Any done in the past year?		Describe SWMP activities that are planned for the next year and changes to selected management practices/measurable goals .
	YES	NO	
<b>REQUIREMENTS</b>			
Assess existing conditions throughout the MS4 and identify appropriate management practices to reduce pollutant discharge to the maximum extent practicable (required)	YES		Outfall mapping completed by Rotfeld Engineering (Tarrytown, New York) Updated map of development density in WAC 7 district  In year 2, plan to conduct streamwalks under the direction of WAC and record observations Year 3, inspect practices to see that they are working properly and record problem areas Year 4, plan to have Open Space Committee reach final decision on preservation of selected area and/or steep slope

<b>B. Implementation of Best Management Practices</b>			<b>C. Activities Planned for Upcoming Year</b>
Type in the management practices selected in your NOI and any additional ones that you worked on.	Any done in the past year?		Describe SWMP activities that are planned for the next year and changes to selected management practices/measurable goals .
	YES	NO	
Regulate post-construction runoff from development through an ordinance or other regulatory mechanism (required)	YES		Village Code 185: TREES AND SHRUBS (185-1, 185-3 B (5), 185-4 N, 185-5 A) with regard to maintenance of vegetation as drainage controls 200: ZONING (200-83 A) regarding runoff related to teardown and redevelopment
Develop management practice inspection and maintenance program (required)	YES		Building Inspector monitors all projects after completion Department of Public Works monitors and manages all runoff problems and presently maintains public areas of vegetation throughout the Village

## **MINIMUM MEASURE 6: Pollution Prevention/Good Housekeeping**

### **A. Narrative Overview:**

The Ardsley Department of Public Works provides all roadway and drainage maintenance, rubbish collection and public facility (municipal buildings, parks, sanitary sewer and storm sewer) maintenance for the Village.

DPW vehicles are serviced every 2 months in an enclosed garage. Police cars are serviced every 3000 miles. On the average, garbage trucks are washed every week. Pick-up trucks and other DPW vehicles are washed every other week.

Last year, the Village used 40 tons of cold patch asphalt to repair pot holes in the roadways. Sand and salt is used to maintain safety during the winter. Last winter, 15,000 tons of salt were used. Salt and sand are stored outdoors under heavy plastic tarps weighted down with bricks at the Highway Department. This facility is at the lowest elevation in the Village. Highway Department is developing plans to store salt and sand in a more contained facility.

Streets are cleaned every other week during the spring season and every week during the fall. This entails mechanical brushing and pick-up of debris. In the fall, all leaves are bagged separately from garbage and carted to leaf drop-off sites. Community group and local businesses will be encouraged to participate in sidewalk and street clean-up's planned for year two and beyond.

Garbage is collected twice weekly in the entire Village. There is a vigorous recycling program. First and third Wednesday of the month is glass and plastic; second and fourth Wednesday, newspaper and cardboard. The Village averages 12 tons per month for glass and plastic, 39 tons per month for paper. Westchester County has seven scheduled dates for Household Chemical Clean-up days. Dates and locations are listed in the Annual DPW brochure distributed to all Village residents. This brochure contains the complete garbage and recycling pick-up schedule.

According to Ardsley Police and DPW records, there were no hazardous material spills reported last year in the Village. If such reports were to be made, information is forwarded to DEP and Westchester Department of Health.

Of the 1500 homes in the Village, only 10 homes still have septic systems; the rest are connected to the sanitary sewer system. For the storm sewer system, catch basins are vacuumed every other year. Last service was provided by Fred Cooke (Montrose, New York). Some herbicide was applied by licensed contractor to control weed proliferation. There are 250 catch basins. In alternate years, catch basins are cleaned manually by DPW.

There are approximately 70 swimming pools (in-ground and above ground) in the Village. Most homeowners drain onto their own vegetated property. Homeowners draining to storm sewers violate Village Code 178: SWIMMING POOLS (178-6) and such violation is discouraged.

Last year, Village parks and green areas were maintained by Colonial Landscaping Inc. (Ardsley, New York), fully licensed contractor. To reduce cost, DPW employees will take over landscaping activities beginning in year 2. However, application of herbicide and pesticide will still be relegated to licensed contractors. A former dumping area at McDowell Park on Heatherdell Road was converted to a baseball playing field last year, increasing open green space. There are plans to convert a dump area in Ashford Park on Ashford Avenue to a soccer playing field in years 4 and 5.

B. Implementation of Best Management Practices			C. Activities Planned for Upcoming Year
Type in the management practices selected in your NOI and any additional ones that you worked on.	Any done in the past year?		Describe SWMP activities that are planned for the next year and changes to selected management practices/measurable goals .
	YES	NO	
<b>REQUIREMENTS</b>			
Prevent discharge of pollutants from municipal operations (required)	YES		Salt and sand stored at DPW are covered Vehicle maintenance in an indoor facility Minimum use of street patching materials, not stored; materials delivered on site and used immediately Garbage removed daily; not stored in the Village
Follow DEC NPS management Practices catalog, or equivalent (required)	YES		Plan to improve the location for salt and sand storage and make it more secure from weather conditions
Conduct employee pollution prevention training (required)	YES		No hazardous materials storage site (i.e. no asphaltic products stored) No garbage storage (carted away after pick-up)
Street Cleaning	YES		Continued catch basin maintenance schedule and vacuum every other year Plan to repeat televising of sewers
Catch basin and storm drain system cleaning	YES		Obtained National Menu of BMP for Storm Water Phase II (EPA August 15, 2002) containing Pollution Prevention/Good Housekeeping for Municipal Operations and Roadway and Right-of-Way Maintenance (NYSDEC June 1994) for use in preparation of DPW BMP manual Employees already wear protective gear Participate in recycling program
			Plan to prepare DPW BMP manual in year 2 Develop record keeping protocol Plan session for review of manual with DPW personnel
			Weekly in the fall Every other week in the spring
			Plan to continue schedule Encourage community participation and upkeep of private property
			Vacuuming every other year Manual cleaning yearly
			Plan to maintain schedule Stenciling by community to begin in year 2 will increase awareness and reduce floatables

<b>B. Implementation of Best Management Practices</b>			<b>C. Activities Planned for Upcoming Year</b>
Type in the management practices selected in your NOI and any additional ones that you worked on.	Any done in the past year?		Describe SWMP activities that are planned for the next year and changes to selected management practices/measurable goals .
	YES	NO	
Vehicle maintenance and washing	YES		Improve vehicle washing Continue scheduled maintenance program to prevent vehicles from leaking fluids due to poor maintenance
Landscaping and lawn care	YES		Maintain the use of licensed contractors Continue to encourage water conservation for plant maintenance
Road salt storage	YES		Plan for indoor storage of salt

## **VII. Monitoring and Modeling Results**

Monitoring and modeling has not yet been conducted at this time.

## **VIII. Summary of Funding and Use of Grant Money**

To date, no funding or grants have been received by the Village of Ardsley. Funding from intermunicipal application for assistance from EPF is pending at this time.

## Village of Ardsley

Mayor  
SAMUEL J. ABATE, JR.

Trustees  
LINDA POHLMANN - Deputy Mayor  
BERNHARD F. PREISSER  
LARRY J. NARDECCHIA, JR.  
JAY LEON



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Village Manager  
GEORGE F. CALVI

Village Treasurer  
MARION DE MAIO

Village Clerk  
CLARA G. SMITH

September 11, 2003

Westchester County Department of Planning  
148 Martine Avenue  
White Plains, New York 10601  
Attn: Sabrina D. Charney, Principal Planner / Deputy Watermaster

**Re: Cooperating MS4 Letter of Intent – Stormwater Phase II Implementation**

Dear Ms. Charney:

As requested:

MS4 Name: Village of Ardsley      Located in the County of: Westchester  
Stormwater Contact: George F. Calvi      General Permit #: GP-02-02  
Mailing Address: 507 Ashford Avenue, Ardsley, New York 10502  
Telephone Number: 914 693-1550      Fax#: 914 693-3706

The above listed MS4 affirms that it is cooperating in the application for the EPF assistance for Stormwater Phase II Implementation being made by Westchester County and fully intends to sign a legal commitment that it will deliver its share of the outputs in the contract workplan, should the proposal be funded. This legal commitment must be in place by the time a contract with the state is executed.

Signature:       Date: September 11, 2003

Title: Village Manager

Cc: Dolph Rotfeld  
Lorraine Kuhn ✓  
Larry Tommaso

**Item 1: MS4 Presentation 02 02 2004**

#1: Good evening. Tonight I'm going to present an overview of Ardsley's Stormwater Management Plan which has been mandated by the Federal government.

#2: What is stormwater?

rain or melting snow that doesn't soak into the ground but runs off into waterways

#3: Why is it a problem?

as it flows, runoff collects pollutants which degrade lakes, rivers and wetlands

#4: What's being done?

In 1987, the federally-sponsored Clean Water Act was passed.

In 1990, Phase I of the National Pollutant Discharge Elimination System was set up for large municipalities and all construction projects greater than 5 acres.

In 1999, the program was expanded to Phase II. It became too large for Federal administration, so it is now administered by the State Pollutant Discharge Elimination System. It includes smaller municipalities, like Ardsley, and construction projects as small as 1 acre.

Implementation of Phase II began in 2003.

#5: Municipalities have Municipal Separate Storm Sewer Systems referred to as MS4's.

#6: Each MS4 has 6 tasks called Minimum Measurable Goals which we must accomplish over a 5 year period.

#7: These goals are:

- Public Outreach & Education
- Public Involvement & Participation
- Illicit Discharge Detection & Elimination
- Construction Site Stormwater Runoff Control
- Post-Construction Stormwater Management
- Pollution Prevention / Good Housekeeping for Municipal Operations

Each of these goals has a 5 year breakdown of tasks which are detailed in Ardsley's Notice of Intent document which was filed with N Y State in March 2003.

Year 1 is ending in March 2004 and Year 1 report is due in June 2004.

I'll describe what has been done so far and very briefly cover Years 2 to 5. We can discuss more detail during comments, if needed.



#8: For Public Notification,

In Year 1, we've already made materials available at Village Hall, the Library and Comm. Center. There is an announcement on the Scroll to pick up literature. I've been contacting Scout Troops and other groups to distribute more literature.

In Year 2, we'll update calendars to include Household Chemical Clean-up dates and get information on the website. Year 3 is slated to address pet waste, Year 4 to update literature and Year 5 to establish a permanent location to access reports at Village Hall.

#9: For Public Participation,

In Year 1, our Village Hall contact will be George Calvi and Larry Tommasso will handle construction aspects. Tonight's meeting serves for questions and comments about the plan.

In Year 2, we'll present the 1<sup>st</sup> annual report to the Village Board, divide the Village into 3 areas and start storm drain stenciling which will be completed by Year 5. In Year 3, we will also promote civic group clean-up events and try to revitalize Earth Day.

#10: This goal is about tracking the stormwater and finding illegal connections to the storm drain system.

In Year 1, we reviewed Village Code. Section 165-16A4 prohibits stormwater entering the sanitary sewer system, but we also need a rule which prohibits sanitary waste from entering the storm system, especially boiler, furnace and floor drain waste. We will continue sanitary sewer cleaning to prevent overflow into the storm system. Rotfeld Engineering is helping us map storm drains and water bodies which receive stormwater.

In Year 2, we hope to expand mapping to include all drainage pipes, manholes and catch basins. We may develop a digitized Geographical Information System which could also include location of utility lines. This system can pinpoint individual addresses and even link violation and tax information to the map. Over Years 2 to 5, we'll test for illegal connections, correct them and enforce new code.

#11: This goal is to design adequate on-site stormwater containment and pre-treatment during construction. Dust, sediment and spill control must be achieved by temporary grading, chambers, buffers, etc.

In Year 1, we reviewed Village Code. Section 105 Excavations and 200-93 Wetlands already contain some directives. We still need a more specific section addressing stormwater alone. We also must require and obtain a Stormwater Pollution Prevention Plan for every project > 1 acre.

Years 2 to 5 we will adopt and evaluate new code and continue to provide reference materials for contractors.

#12: This goal is to check that development and redevelopment sites > 1 acre have permanent stormwater management designs.

In Year 1, we reviewed Village Code. Section 167 Site Plan Review, 200-30 Zoning (specifically Clustered Housing) and 200-83 Teardown and Redevelopment all stress reduction of impact on drainage water. More specific inclusion of Best Management Practices such as retention design, pavement porosity and remedial landscaping is needed.

Over Years 2 to 5, Best Management Practices will be implemented and evaluated. In Year 4, we may cover catch basins to keep large floatable debris out of the storm system.

#13: This goal pertains to the Highway Department.

For Year 1, R J Grant has already prepared a review of DPW maintenance practices and we are working on a DPW Best Management Practices manual.

The manual will be completed and updated. Year 3 will focus on street and parking lot cleaning effectiveness and Year 4 will identify problem storm drains.

#14: How will we pay for all this?

We have applied for State Assistance as a consortium with 12 other municipalities. Sleepy Hollow is the lead agency.

If funded, \$100,000 will be shared among applicants. Ardsley must provide matching funds.

#15: While I still have a moment, we need to use this session to fulfill Goal #1, Public Education. So, how can you help?

#16: For homeowners, lawn and garden measures

Limit use of pesticides and fertilizers

Mulch and vegetate bare spots so water can be retained on your property

Bag your leaves so they stay out of the storm drain

#17: Conserve water on your property

Drain to dry wells instead of the storm sewer

Aim your downspouts away from paving so runoff goes into the ground

Use cisterns to collect rainwater for watering plants, cover with a screen to avoid mosquito breeding

Wash cars or other items over grassy areas instead of the driveway

#18: Waste and garbage

Dispose of paint and household chemicals at County Clean-up days, don't pour things down the storm drain

Reduce and recycle, don't litter so garbage doesn't end up in waterways

Use "green" cleaning products with less harsh chemicals to keep them out of the water system

Flush or compost pet waste

Municipality Name  
SPDES Number

#19: For automotive businesses

Don't drain car washings to the storm sewer

Dry up spills instead of hosing down the drain

Recycle oil

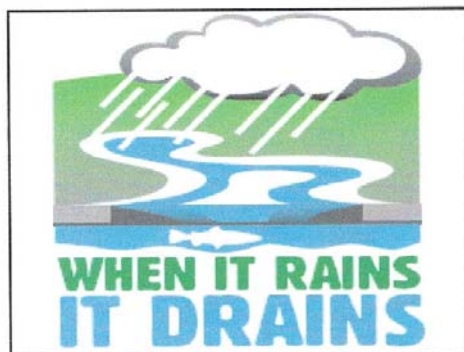
#20: For all businesses

Make sure floor drains are not connected to the storm sewer

Sweep up sidewalks and parking lots instead of washing into the storm drain

Sponsor Scouts and other civic groups when they ask for support of clean-up efforts

And remember, when it rains, it drains



### *What is Stormwater ?*

rain or melting snow that  
doesn't soak into the ground  
but runs off into waterways

### *Why is it a problem ?*

as it flows, runoff collects  
pollutants which degrade  
lakes, rivers and wetlands

### *What's being done ?*

1987 – Clean Water Act

1990 – Phase I NPDES  
>100,000 pop, >5 acres

1999 – Phase II SPDES  
small municipalities, >1 acre

2003 - Implementation

Municipalities have:

Municipal Separate Storm  
Sewer Systems

**MS4**

Each MS4 has 6 tasks called:

**Minimum  
Measurable Goals**

(5 year time table)

*-Public Outreach & Education*  
*-Public Involvement & Participation*  
*-Illicit Discharge Detection & Elimination*  
*-Construction Site Stormwater Runoff Control*  
*-Post-Construction Stormwater Management*  
*-Pollution Prevention/GoodHousekeeping for Municipal Operations*

*Public Outreach & Education:*  
Year  
 1: Printed materials, civic groups, media  
 2: Update calendars, website  
 3: Pet Waste Management ordinance  
 4: Modify website, update printed matter  
 5: Estab. ref. sys. for annual reports

*Public Involvement & Participation:*  
Year  
 1: Village Hall contact, public meeting  
 2: 1<sup>st</sup> ann report, publ mtg, stencil suppl  
 3: Drain stenciling, clean-up, 2<sup>nd</sup> report  
 4: Finish stenciling, 3<sup>rd</sup> report  
 5: Maintain stenciling, 4<sup>th</sup> report

*Illicit Discharge & Detection:*  
Year  
 1: Ord. rev. (connec.), clean, outfall map  
 2: Ord. hearing, GIS map, cross connec  
 3: Dye test connec., necc. improvements  
 4: Yearly sampling sched., enforcement  
 5: Continue corr. measures & enforce.

*Construction Site Stormwater Runoff Control:*  
Year  
 1: Rev. Vill. Code, suppl., SPPP (>1acre)  
 2: Ord. hearing, mod.permits., ref. mater.  
 3: Rev. plan, inspect & enforce  
 4: Evaluate effectiveness of ord., amend  
 5: Continue program & evaluation

*Post-construction Stormwater Management:*  
Year  
 1: Rev. Village code, suggest BMP  
 2: Rec. design changes to Village Board  
 3: Inspect new designs for implement.  
 4: Sampling results, retrofit catch basins  
 5: Continue retrofit, eval. effectiveness

*Pollution Prevention/GoodHousekeeping  
for Municipal Operations:*

Year

- 1: Eval. DPW practices, begin manual
- 2: Complete man. of BMP, training
- 3: Rev. pkg. lot & street cleaning
- 4: Rev. storm drain cleaning
- 5: Eval. program, update manual

*Funding ?*

- Applied for State Assistance as consortium with 12 other municipalities (*Sleepy Hollow is the lead agency*)
- \$100,000 to be shared among applicants (*Village must provide match of share*)

*How can you help ?*

*Lawn & Garden:*

- Limit use of pesticides & fertilizer
- Mulch & vegetate bare spots
- Bag your leaves

Leaves don't  
belong in the  
stormdrain



*Conserve water:*

- Drainage to dry wells
- Downspouts away from paving
- Cisterns to collect rainwater
- Wash cars over grassy area



*Waste management:*

- Dispose of paint, etc. at Clean-up days
- Recycle, don't litter
- Use "green" products
- Flush or compost pet waste



*Automotive businesses:*

- Don't drain car wash to storm sewer
- Dry spills of fluids
- Recycle oil



*All businesses:*

- Make sure floor drains are not connected to storm sewer
- Sweep up sidewalks and parking lots instead of washing
- Sponsor civic clean-up efforts



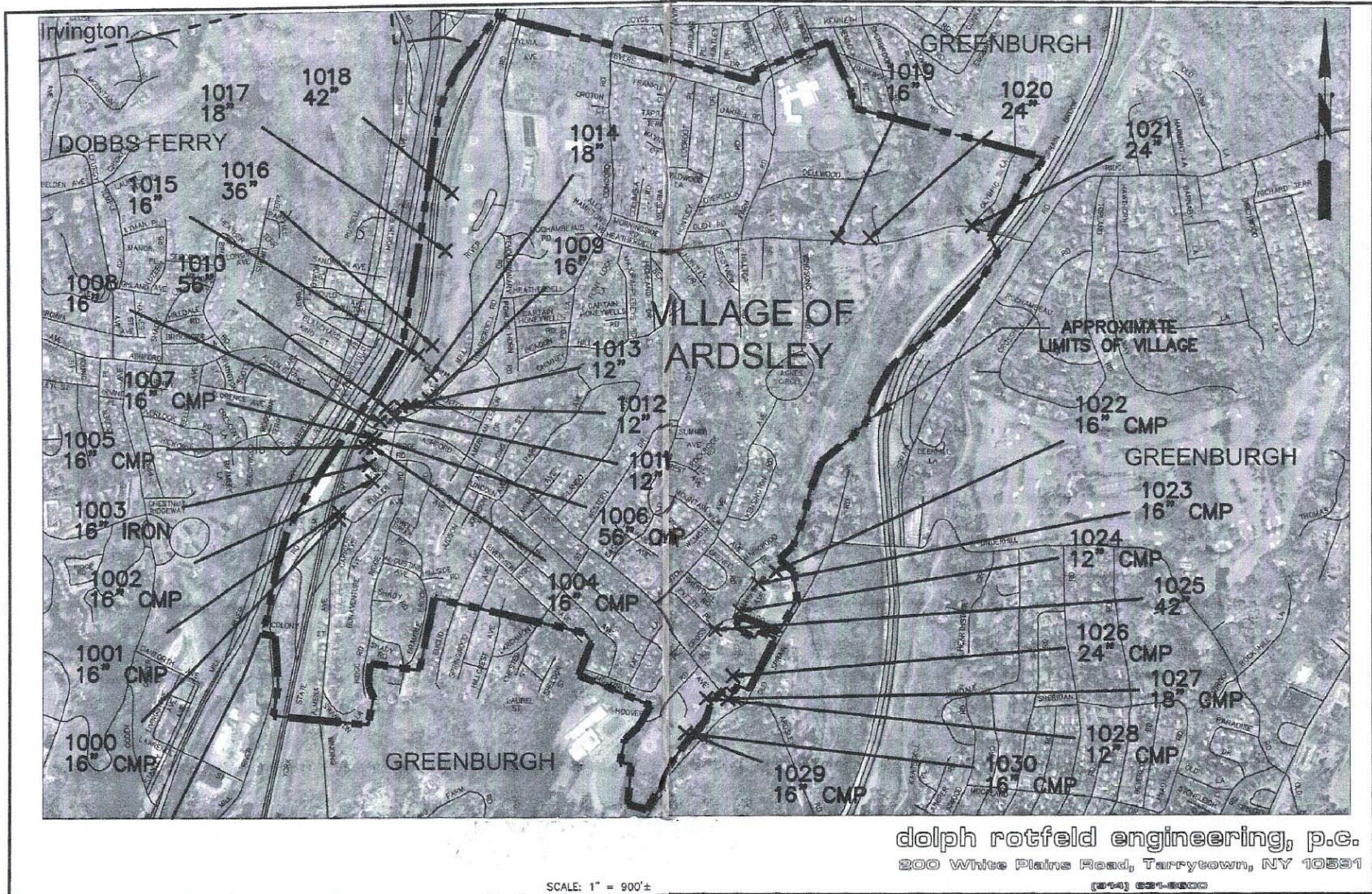
**Item 2: Literature Distribution Log – number of copies taken to date (5/2004)**

TITLE (ordered 11/2003)	LOCATION		
	Village Hall	Library	Community Center
“After the Storm: Citizen’s Guide to Understanding Stormwater” (EPA 833B03002)	15	18	4
“Make Your Home the Solution to Stormwater Pollution! Homeowner’s Guide to Healthy Habits for Clean Water” (EPA 833B03003)	9	23	3
“Water Efficient Landscaping: Preventing Pollution and Using Resources Wisely” (EPA 832 F02002)	3	4	1
“Stormwater and the Construction Industry: Planning and Implementing Erosion and Sediment Control Practices” (EPA 833H03001)	2 (contractors only)	N/A	N/A



**Item 3: Illegal Dumping Report/Ardsley Police Department**

DATE	LOCATION	INCIDENT
4/4/2003	Ashford Avenue	Unscheduled dumping of leaves on private property
6/24/2003	McKinley Place	Lawn clippings dumped on private property
8/10/2003	Saw Mill River Road	Pedestrian littering in front of Madaba Delicatessen
8/12/2003	Saw Mill River Road	Carting truck lost garbage load in rear of Eckerd Drugs
3/12/2004	Western Avenue	Soil deposited on private property



Item 4: Outfall Map

Municipality Name  
SPDES Number



## Village of Ardsley

Mayor  
SAMUEL J. ABATE, JR.

Trustees  
LINDA POHLMANN - Deputy Mayor  
BERNHARD F. PREISSER  
LARRY J. NARDECCHIA, JR.  
JAY LEON



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[www.ardsleyvillage.com](http://www.ardsleyvillage.com)

Village Manager  
GEORGE F. CALVI

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MARION DE MAIO

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CLARA G. SMITH

August 10, 2004

NYSDEC REGION 3  
MS4 Permit Coordinator  
200 White Plains Avenue  
Tarrytown, New York 10591-5805

Pursuant to requirements for preparation of the Storm Water Management Program Annual Report for 2003, the Village of Ardsley Board of Trustees gave notice of a Public Hearing on June 7, 2004 and held the Public Hearing on June 21, 2004 to present the Annual Report. The official resolution adopting the SWMPAR 2003 is enclosed.

Comments received regarding the SWMPAR 2003 are summarized as follows:

- Board of Trustees will begin drafting Erosion and Sedimentation Control legislation. Work session set for August.
- Suggestion by Trustees that the fees for enforcement be passed on to construction contractors. Other laws in Village Code to be carefully reviewed to avoid enforcement conflict.
- Resident called in to ask about pre-existing drainage problems. Matter referred to Building Inspector for inspection.
- Resident sent message by email to report pet waste disposal problem. Matter referred to Police Department for investigation and enforcement.

Please accept this letter and attached resolution as addenda to the SWMPAR 2003 filed by:

MS4 Name: VILLAGE OF ARDSLEY  
SPDES Number: NYR20A316

Thank you for your attention to this matter.

Sincerely yours,

George F. Calvi  
Village Manager

Municipality Name  
SPDES Number