

**STORMWATER POLLUTION
PREVENTION PLAN
TOWNSHIP OF WARREN
COUNTY OF SOMERSET**

NJDES # 0154202

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Tier A Municipal Stormwater Regulation Program

Stormwater Pollution Prevention Team Members

Number of team members may vary.

Completed by: Warren Township Eng. Dept.

Title: Engineer

Date: 6-9-2006

Municipality: Warren Township

County: Somerset

NJPDES #: NJG0154202

PI ID #: 167232

Stormwater Program Coordinator: Christian Kastrud

Title: Warren Township Engineer

Office Phone #: 908 753-8000 x 245

Emergency Phone #: _____

Public Notice Coordinator: Patricia DiRocco

Title: Municipal Clerk

Office Phone #: 908 753-8000 x 223

Emergency Phone #: _____

Post-Construction Stormwater Management Coordinator: Michael Mullin

Title: Engineering Technician

Office Phone #: 908 753-888 x 247

Emergency Phone #: 201 832-9770

Local Public Education Coordinator: Environmental Commission

Title: Chairperson

Office Phone #: _____

Emergency Phone #: _____

Ordinance Coordinator: John Belardo

Title: Warren Township Attorney

Office Phone #: 908 757-7800 x 196

Emergency Phone #: _____

Public Works Coordinator: Doug Burro

Title: Warren Township Superintendent of Public Works

Office Phone #: 908 743-5149

Emergency Phone #: 732 904-5066

Employee Training Coordinator: Doug Buro

Title: Warren Township Superintendent of Public Works

Office Phone #: 908 753-5149

Emergency Phone #: _____

Other: _____

Title: _____

Office Phone #: _____

Emergency Phone #: _____

SPPP Form 2 - Public Notice

Municipality
Information

Municipality: Warren Township

County: Somerset

NJPDES # : NJG0154202

PI ID #: 167232

Team Member/Title: Patricia DiRocco

Effective Date of Permit Authorization (EDPA): 4/1/2004

Date of Completion: 6/9/06

Date of most recent update: _____

Briefly outline the principal ways in which you comply with applicable State and local public notice requirements when providing for public participation in the development and implementation of your stormwater program.

For meetings where public notice is required under the Open Public Meetings Act ("Sunshine Law" N.J.S.A. 10:4-6 et seq.) Warren Township provides public notice in a manner that complies with the requirements of the Act. Also, in regard to the passage of ordinances, Warren Township provides public notice in a manner that complies with the requirements of N.J.S.A. 40:49-1 et seq. In addition, for municipal actions (e.g., adoption of the municipal stormwater management plan) subject to public notice requirements in the Municipal Land Use Law (N.J.S.A. 40:55D-1 et seq.) Warren Township complies with those requirements.

SPPP Form 3 – New Development and Redevelopment Program

Municipality Information

Municipality: Warren Township County: Somerset
 NJPDES # : NJG0154202 PI ID #: 167232
 Team Member/Title: Michael Mullin
 Effective Date of Permit Authorization (EDPA): 4/1/04
 Date of Completion: 6/9/06 Date of most recent update:

Describe in general terms your post-construction stormwater management in new development and redevelopment program (post-construction program), and how it complies with the Tier A Permit minimum standard. This description must address compliance with the Residential Site Improvement Standards for stormwater management; ensuring adequate long-term operation and maintenance of BMPs (including BMPs on property that you own or operate); design of storm drain inlets (including inlets that you install); and preparation, adoption, approval, and implementation of a municipal stormwater management plan and municipal stormwater control ordinance(s). Attach additional pages as necessary. Some additional specific information (mainly about that plan and ordinance(s)) will be provided in your annual reports.

The control stormwater from new development and redevelopment projects throughout Warren Township (including projects we operate) we will do the following:

We are already ensuring that all new residential development and redevelopment projects that are subject to the Residential Site Improvement Standards for stormwater management (including the NJDEP Stormwater Management rules, N.J.A.C. 7.8, referenced in those standards) are in compliance with those standards. Our Planning and Zoning boards ensure such compliance before issuing preliminary or final subdivision or site plan approvals under the Municipal Land Use Law.

When Warren Township Constructs such a project, we will ensure adequate long-term operation and maintenance of BMP's for that project by requiring a project maintenance plan similar to the maintenance plan described in our draft of that ordinance, and by requiring and funding the implementation of that plan. We will also require any storm drain inlets that we install to comply with the design standard in Attachment C of our permit. Once the ordinance takes effect, we will ensure such operation and maintenance for any new development or redevelopment projects on our property by complying with the maintenance requirements in that ordinance. In addition, any storm drain inlets we install for such projects will comply with that ordinance's standard for such inlets.

Our Planning Board and municipal attorney have reviewed the Sample Municipal Stormwater Management Plan and Model Stormwater Control Ordinance in the NJ Stormwater BMP Manual, and have drafted a municipal stormwater management plan and municipal stormwater control ordinance similar to that sample and model. We have also met with county planning agency staff to discuss the draft plan and ordinance. The plan and ordinance will be adopted by our planning board and township council, respectively, by the deadlines specified in the permit, and will be submitted to the county planning agency

for approval.

Once approved, the ordinance, which will be administered by our planning and zoning boards and code enforcement officer, will control Stormwater from non-residential development and redevelopment projects. Where it is necessary to implement the municipal Stormwater management plan, the approved ordinance will also control aspects of residential development and redevelopment projects that are not subject to the Residential Site Improvement Standards.

For any BMP that is installed in order to comply with the requirements of our post-construction program. Warren Township will ensure adequate long-term operation as well as preventative and corrective maintenance (including replacement) of BMP's. For BMP's on private property that we do not own or operate, Warren Township intends to do this by adopting and enforcing a provision in the Municipal Stormwater control ordinance that requires the private entity to perform the operation and maintenance, with penalties if the private entity does not comply. If, for example, the private entity does not perform the required maintenance, the Township can perform the maintenance and charge the private entity.

Warren Township will also enforce, through the municipal Stormwater control ordinance, compliance with the design standard in Attachment C of our permit to control passage of solid and floatable materials through storm drain inlets. Warren Township expects that for most projects, such compliance will be achieved either by conveying flows through a trash rack as described in the "Alternative Device Exemptions" or (for flows not conveyed through such a trash rack), by installation of the NJDOT bicycle safe grate and (if needed) a curb opening with a clear space no bigger than two inches across the smallest dimension.

SPPP Form 4- Local Public Education Program

Municipality
Information

Municipality: Warren Township County Somerset

NJPDES #: 0154202 PI ID #: 167232

Team Member/Title: Env. Comm. Chairman

Effective Date of Permit Authorization (EDPA): 4/1/06

Date of Completion: 6/9/06 Date of most recent update: _____

Local Public Education Program

Describe your Local Public Education Program. Be specific on how you will distribute your educational information, and how you will conduct your annual event. Attach additional pages with the date(s) of your annual mailing and the date and location of your annual event.

For our annual distribution, we will post information on our Township website and local cable access channel. Copies of the DEP brochure will be available at our county library, at our municipal building and our local schools. Our annual Event will be held each year in coordination with the Warren Township Lions Expo. We will make the DEP brochure and other educational materials available at our table. In addition, we will invite our high school environmental club, local watershed group, and other environmental groups to set up their own booths during the event.

Solutions to Stormwater Pollution

Easy Things You Can Do Every Day To Protect Our Water

A Guide to Healthy Habits for Cleaner Water

Pollution on streets, parking lots and lawns is washed by rain into storm drains, then directly to our drinking water supplies and the ocean and lakes our children play in. Fertilizer, oil, pesticides, detergents, pet waste, grass clippings: You name it and it ends up in our water.

Stormwater pollution is one of New Jersey's greatest threats to clean and plentiful water, and that's why we're all doing something about it.

By sharing the responsibility and making small, easy changes in our daily lives, we can keep common pollutants out of stormwater. It all adds up to cleaner water, and it saves the high cost of cleaning up once it's dirty.

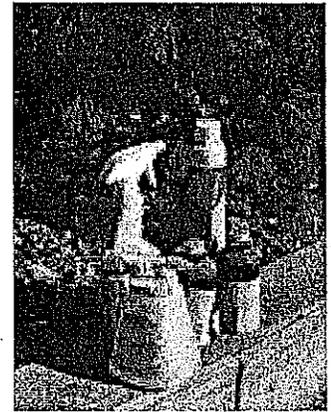
As part of New Jersey's initiative to keep our water clean and plentiful and to meet federal requirements, many municipalities and other public agencies including colleges and military bases must adopt ordinances or other rules prohibiting various activities that contribute to stormwater pollution. Breaking these rules can result in fines or other penalties.



As a resident, business, or other member of the New Jersey community, it is important to know these easy things you can do every day to protect our water.

Limit your use of fertilizers and pesticides

- Do a soil test to see if you need a fertilizer.
- Do not apply fertilizers if heavy rain is predicted.
- Look into alternatives for pesticides.
- Maintain a small lawn and keep the rest of your property or yard in a natural state with trees and other native vegetation that requires little or no fertilizer.
- If you use fertilizers and pesticides, follow the instructions on the label on how to correctly apply it.



Make sure you properly store or discard any unused portions.

Properly use and dispose of hazardous products

- Hazardous products include some household or commercial cleaning products, lawn and garden care products, motor oil, antifreeze, and paints.
- Do not pour any hazardous products down a storm drain because storm drains are usually connected to local waterbodies and the water is not treated.

For further information contact The Warren Township Engineering Department at 908 753-8000 ext. 248.

SOLUTIONS TO STORMWATER POLLUTION

6/21/06 THRU 6/24/06

WARREN EXPO. STORMWATER BROCHURES
WERE AVAILABLE TO ALL PEOPLE ATTENDING.

7/25/06

BROCHURES SENT OUT WITH TAXES TO ALL
WARREN RESIDENTS.

7/27/06

BROCHURES SENT OUT TO ALL WARREN
TOWNSHIP BUSINESSES.

SPPP Form 5 – Storm Drain Inlet Labeling

Municipality
Information

Municipality: Warren Township County Somerset

NJPDES # : 0154204 PI ID #: 167232

Team Member/Title: Michael Mullin

Effective Date of Permit Authorization (EDPA): 4/1/06

Date of Completion: 6/9/06 Date of most recent update: May 2006

Storm Drain Inlet Labeling

Describe your storm drain inlet labeling program, including your labeling schedule, the details of your long-term maintenance plan, and plans on coordinating with watershed groups or other volunteer organizations.

For our storm drain inlet labeling program, we have coordinated with local boy scouts to perform labeling as part of eagle scout projects.

The attached map divides Warren Township into 4 zones. Zone 2 & 4 have been completed by Junr 2006 and zone 1 & 3 will be completed by June 2007.

It is expected that the Boy Scouts will do all labeling for us - all storm drains inlets along municipal streets and sidewalks will be labeled .

During our annual catch basin cleaning program, we will be checking these labels to ensure that they are visible, and if not, they will be replaced immediately.



Township of Warren

Somerset County

46 Mountain Boulevard • Warren, New Jersey 07059
(908) 753-8000 • Fax (908) 757-9173 • www.warrennj.org

FIVE:
STORMWATER
3-RING BINDER

Office of:
Township Administrator

August 16, 2006

Jonathan Morgan
249 Mountain Avenue
Warren, New Jersey 07059

RECEIVED

AUG 17 2006

Warren Engineering Office

Dear Mr. Morgan:

I am in receipt of your proposed project plan for your Eagle Scout project identifying storm drains with a GPS system. Your project provides for the location, identification, tagging and documenting of all storm drains in zones 1 & 3 as shown on the fire department emergency services map. Your project will assist the Township in meeting its obligations pursuant to the New Jersey Stormwater Management regulations.

You advised that scouts will identify and report on the conditions, the depth, and the type of the storm drains on a prepared form and mark the locations on a map and detail the locations on a spreadsheet. Finally, the NJDEP markers will be placed on the storm drains.

It has been a pleasure meeting with you to discuss your project.

Your project will be under the supervision of Christian Kastrud, Township Engineer and Douglas Buro, Superintendent of DPW, or their designees.

The Township will provide the NJDEP approved markers and adhesive. All other costs of the project will be your responsibility. Your project is approved subject to the following:

- 1) The project will be under the direction of Christian Kastrud, Township Engineer and Douglas Buro, Superintendent of Public Works.
- 2) That your project be approved by Troop 59 and the Patriot's Path Council.
- 3) That a final copy of your Eagle Scout Project as approved by Council be submitted to the Administrator's office.
- 4) That a Certificate of Insurance be issued by Patriot's Path and other council for all work being conducted on this property.

- 5) That all participants, while conducting the survey and work, wear proper safety vests and utilize other safety equipment if they are near a public street. There must be proper adult supervision.
- 6) All supplies and equipment for this project, except for the markers and adhesive will be supplied by you.
- 7) You may contact the Public Works Department and we will provide safety equipment at no cost.
- 8) You must contact the Police Department to advise them of your location on a daily basis when the field work is occurring.
- 9) Please contact the Warren Township Engineering Department to obtain the markers and discuss the proper method of installation.
- 10) You must provide the GPS device on your own.

A list of all scouts and adults who participate on this project will be provided to my office at the conclusion of the project.

No work on this project shall commence until approval of the project is received from the council and provided to the Administrator's office and a Certificate of Insurance is provided.

I congratulate you on your dedication as you pursue your Eagle Scout project. I look forward to working with you.

If you have any questions, please contact me.

Very Truly Yours,



Mark M. Krane
Township Administrator

C: Acting Police Chief Russell Leffert
Doug Buro, Superintendent DPW
Christian Kastrud, Township Engineer
Neal Schmidt, Scout Master Troop 59



Township of Warren

Somerset County

46 Mountain Boulevard • Warren, New Jersey 07059
(908) 753-8000 • Fax (908) 757-9173 • www.warrennj.org

Office of:
Township Administrator

June 1, 2006 .

Christopher Mosquara
63 Green Valley Drive
Warren, NJ 07059

Dear Mr. Mosquara:

Attached please find my letter acknowledging completion of your project for submission to Patriot's Path Council.

As we discussed at our meeting of May 30, 2006, the following items need to be provided:

- 1) The disk with the information provided in the report.
- 2) Correct the summary page to differentiate between flat grade basins and basins with heads.
- 3) Correction of the duplication of the open issues as detailed within the open issues report which must be completed by June 30, 2006.

Although I am summarizing the outstanding issues in this letter, your hard work and dedication on this project ensures me that you will complete these outstanding issues above. Therefore, I am certifying the document for Patriot's Path Council, trusting that you will complete the above outstanding items.

Very Truly Yours,

Mark M. Krane
Township Administrator

RECEIVED

JUN - 2 2006

Warren Engineering Office

C: Douglas Buro, Superintendent Public Works
Chris Kastrud, Township Engineer



Township of Warren

Somerset County

46 Mountain Boulevard Warren, New Jersey 07059
(908) 753-8000 • Fax: (908) 757-9173 • www.warrennj.org

Office of:
Township Administrator

December 7, 2005

= 2 1/4

Christopher Mosquera
63 Green Valley Drive
Warren, New Jersey 07059

Dear Mr. Mosquera:

I am in receipt of your proposed project plan for your Eagle Scout project. Your project provides for the location, identification, tagging and documenting of all storm drains in zones 2 & 4 as shown on the fire department emergency services map. Your project will assist the Township in meeting its obligations pursuant to the New Jersey Stormwater Management regulations.

You advised that scouts will identify and report on the conditions of the storm drains on a prepared form and mark the locations on a map and detail the locations on a spreadsheet. Finally, the NJDEP markers will be placed on the storm drains.

It has been a pleasure meeting with you to discuss your project.

Your project will be under the supervision of Christian Kastrud, Township Engineer and Douglas Buro, Superintendent of DPW, or their designees.

The Township will provide the NJDEP approved markers. All other costs of the project will be your responsibility. Your project is approved subject to the following:

- 1) The project will be under the direction of Christian Kastrud, Township Engineer and Douglas Buro, Superintendent of Public Works.
- 2) That your project be approved by Warren Township Troop 228 and the Patriot's Path Council.
- 3) That a final copy of your Eagle Scout Project as approved by Council be submitted to the Administrator's office.
- 4) That a Certificate of Insurance be issued by Patriot's Path and other council for all work being conducted on this property.
- 5) That all participants while conducting the survey, wear proper safety vests and utilize other safety equipment if they are near a public street.
- 6) All supplies and equipment for this project, except for the markers, will be supplied by you.
- 7) You may contact the Public Works Department and we will provide safety equipment at no cost.
- 8) You must contact the Police Department to advise them of your location on a daily basis when the field work is occurring.

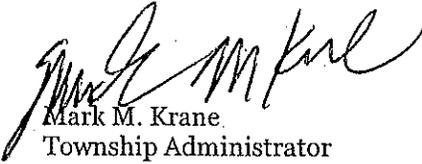
A list of all scouts and adults who participate on this project will be provided to my office at the conclusion of the project.

No work on this project shall commence until approval of the project is received from the council and provided to the Administrator's office and a Certificate of Insurance is provided.

I congratulate you on your dedication as you pursue your Eagle Scout project. I look forward to working with you.

If you have any questions, please contact me.

Very Truly Yours,



Mark M. Krane
Township Administrator

C: Police Chief William Stahl
Doug Buro, Superintendent DPW
Christian Kastrud, Township Engineer

RECEIVED
DEC 13 2005
Warren Engineering Office



Township of Warren

Somerset County

46 Mountain Boulevard • Warren, New Jersey 07059
(908) 753-8000 • Fax (908) 757-9173 • www.warrennj.org

Office of:
Township Administrator

December 5, 2006

Jonathan Morgan
249 Mountain Avenue
Warren, NJ 07059

Dear Mr. Morgan:

I am in receipt of your final project plan for your Eagle Scout project – the labeling of storm sewers, mapping of storm sewers, GPS mapping of storm sewers, and fire zones 1 and 3.

Your project was reviewed on Monday, November 27, 2006 by myself and David Darge of the Engineering department. You provided us with a disc and the mapping which are now filed in the Engineering office.

I congratulate you on the completion of this project. Your final product was extremely impressive. I thank you for your very hard work. This documentation will assist the Township greatly in meeting our State Stormwater requirements.

I wish you the best of luck in all your future endeavors.

Very Truly Yours,

Mark M. Krane
Township Administrator

C: Douglas Buro, Superintendent DPW
Christian Kastrud, Twp. Engineer
John Moser, Scoutmaster



Township of Warren

Somerset County

46 Mountain Boulevard Warren, New Jersey 07059
(908) 753-8000 • Fax: (908) 757-9173 • www.warrennj.org

Office of:
Township Administrator

Eagle Scout

*732
302
9564*

December 7, 2005

Christopher Mosquera
63 Green Valley Drive
Warren, New Jersey 07059

Dear Mr. Mosquera:

I am in receipt of your proposed project plan for your Eagle Scout project. Your project provides for the location, identification, tagging and documenting of all storm drains in zones 2 & 4 as shown on the fire department emergency services map. Your project will assist the Township in meeting its obligations pursuant to the New Jersey Stormwater Management regulations.

You advised that scouts will identify and report on the conditions of the storm drains on a prepared form and mark the locations on a map and detail the locations on a spreadsheet. Finally, the NJDEP markers will be placed on the storm drains.

It has been a pleasure meeting with you to discuss your project.

Your project will be under the supervision of Christian Kastrud, Township Engineer and Douglas Buro, Superintendent of DPW, or their designees.

The Township will provide the NJDEP approved markers. All other costs of the project will be your responsibility. Your project is approved subject to the following:

- 1) The project will be under the direction of Christian Kastrud, Township Engineer and Douglas Buro, Superintendent of Public Works.
- 2) That your project be approved by Warren Township Troop 228 and the Patriot's Path Council.
- 3) That a final copy of your Eagle Scout Project as approved by Council be submitted to the Administrator's office.
- 4) That a Certificate of Insurance be issued by Patriot's Path and other council for all work being conducted on this property.
- 5) That all participants while conducting the survey, wear proper safety vests and utilize other safety equipment if they are near a public street.
- 6) All supplies and equipment for this project, except for the markers, will be supplied by you.
- 7) You may contact the Public Works Department and we will provide safety equipment at no cost.
- 8) You must contact the Police Department to advise them of your location on a daily basis when the field work is occurring.

Eagle Scout Leadership Service Project Progress Report
Project to Identify, Tag, and Document the Storm Drains to help the Warren Township comply with:
State of NJ: R9 - Tier A Municipal Storm water General Permit
Township Of Warren Ordinance: No 05-23

SUMMARY STATS:(By Zone)

Zone	Street Name	Identified (Date)	Missing Tags (Count)	Tagged (Count)	Tagged (Count)	Grate (Count)	Total Grate and Tagged (Count)	Input	Verified	Completed
Zone 2 & 4 Combined	Count	198	162	143				102	0	0
	%Completed		81.82%					51.52%		
	Start Date		3/11/06							
	End Date		4/10/06							
	Sum		713	29	865	95	960			
Zone 2	Count	109	77	69			15	16	0	0
	%Completed		70.64%				19.48%	14.68%		
	Start Date		3/25/06							
	End Date		4/10/06							
	Sum		707	1	207	10	217			
Zone 4	Count	89	85	74			88	86	0	0
	%Completed		95.51%				103.53%	96.63%		
	Start Date		3/11/2006							
	End Date		3/25/2006							
	Sum		6	28	658	85	743			

05.05.06 YH/BL

Eagle Scout Leadership Service Project Progress Report

Police Contact Information for questions, comments, or concerns: 908-672-3556

ZONE	StreetID	Zone	Street Name	Identified (Date)	Missing			Other (Count)	Tagged (Count)	Untagged Grate (Count)	Total Grate and Tagged (Count)	Input	Verified	Completed	Comments
					Tags (Count)	Grate (Count)	Grate (Count)								
4	4	1	4:Wexford Court	3/11/2006	0	0	0	0	11	1	12	1			
4	4	2	4:Marian Lane	3/11/2006	0	0	0	0	4	1	5	1			
4	4	3	4:Old Church Road	3/11/2006	0	0	0	0	11	1	12	1			
4	4	4	4:Mountain Court	3/11/2006	0	0	0	0	2	1	3	1			
4	4	5	4:Helen Street	3/11/2006	0	0	0	0	3	1	4	1			
4	4	6	4:Old Stirling Road	3/11/2006	0	0	0	0	21	1	22	1			
4	4	7	4:Peach Tree Lane	3/18/2006	0	0	0	0	0	1	1	1			
4	4	8	4:Hemlock Cir.	3/18/2006	0	0	0	0	0	1	1	1			
4	4	9	4:Sycamore Way	3/18/2006	0	0	0	0	47	1	48	1			
4	4	10	4:Poplar Lane	3/18/2006	0	0	0	0	8	1	9	1			
4	4	11	4:Cottonwood Lane	3/18/2006	0	0	0	0	17	1	18	1			
4	4	12	4:Tamarack Court	3/18/2006	0	0	0	0	8	1	9	1			
4	4	13	4:Primrose Way	3/18/2006	0	0	0	0	0	1	1	1			
4	4	14	4:Chestnut Hill	3/18/2006	0	0	0	0	0	1	1	1			
4	4	15	4:Apple Tree Lane	3/18/2006	0	0	0	0	0	1	1	1			
4	4	16	4:Puddingstone Way	3/18/2006	0	0	0	0	18	1	19	1			
4	4	17	4:Magnolia Lane	3/15/2006	0	0	0	0	11	1	12	1			
4	4	18	4:Spruce Lane	3/15/2006	0	0	0	0	10	1	11	1			
4	4	19	4:Hickory Lane	3/15/2006	0	0	0	0	27	1	28	1			
4	4	20	4:Cherry Tree Lane	3/15/2006	0	0	0	0	13	1	14	1			
4	4	21	4:Penny Lane	3/15/2006	0	0	0	0	0	0	0	1			Out of Scope: County Road 527
4	4	22	4:Mountain Blvd.	3/11/2006	0	0	0	0	0	0	0	1			Out of Scope: County Road 638
4	4	22.1	4:Mountain Blvd. Ext.												
4	4	23	4:Wichser Lane	3/16/2006	0	0	0	0	0	1	1	1			
4	4	24	4:Wilshire Road	3/16/2006	0	0	0	0	0	1	1	1			
4	4	25	4:Strait Lane	3/16/2006	0	0	0	0	0	1	1	1			
4	4	26	4:Bardy Road	3/16/2006	0	0	0	0	7	1	8	1			
4	4	27	4:Elks Tr.	3/16/2006	0	0	0	0	2	1	3	1			
4	4	28	4:Sydenham Road	3/18/2006	0	0	0	0	0	1	1	1			Private Road
4	4	29	4:Town Center Drive	3/11/2006											
4	4	30	4:Washington Valley Ext.	3/14/2006	0	0	0	0	11	1	12	1			
4	4	31	4:Middlebrook Road	3/11/2006	0	0	0	0	0	1	1	1			
4	4	32	4:Green Valley Drive	3/11/2006	0	0	0	0	3	1	4	1			
4	4	33	4:North Road	3/11/2006	0	0	0	0	12	1	13	1			
4	4	34	4:Mimi Lane	3/11/2006	0	0	0	0	0	1	1	1			Missing Tags
4	4	35	4:Jessica Lane	3/11/2006	2	0	0	0	1	1	2	1			Verify out of Scope
4	4	36	4:Mt. Bethel												
4	4	37	4:Warrenville Road	3/25/2006	0	0	0	0	0	1	1	1			
4	4	38	4:Quail Run	3/11/2006	0	0	0	0	52	1	53	1			
4	4	39	4:Pheasant Lane	3/12/2006	0	0	0	0	0	1	1	1			
4	4	40	4:Falcon Trail	3/11/2006	0	0	0	0	0	1	1	1			
4	4	41	4:Springdale Lane	3/18/2006	0	0	0	0	19	1	20	1			
4	4	42	4:Rambling Brook Lane	3/18/2006	0	0	0	0	16	1	17	1			
4	4	43	4:Ellsworth Drive	3/18/2006	0	0	0	0	37	1	38	1			
4	4	44	4:Maple Drive	3/18/2006	0	0	0	0	0	1	1	1			

Eagle Scout Leadership Service Project Progress Report

Police Contact Information for questions, comments or concerns: 908-672-3566

ZONE	StreetID	Zone	Street Name	Identified (Date)	Missing Tags (Count)	Other (Count)	Tagged (Count)	Untagged Grate (Count)	Total Grate and Tagged (Count)	Input	Verified	Completed	Comments
4	45	0	Geiger Lane	3/18/2006	0	0	53	1	54	1	1		
4	46	4	South Lane	3/18/2006	0	0	3	1	4	1	1		
4	47	0	Calico	3/18/2006	0	1	0	1	1	1	1		
4	48	4	North Lane	3/18/2006	1	1	0	1	1	1	1		Missing Tags
4	49	4	Dory Court	3/18/2006	0	0	4	1	5	5	1		
4	50	4	Providence Road	3/25/2006	0	0	4	1	5	5	1		
4	51	4	Ferguson Road	3/25/2006	0	0	10	1	11	11	1		
4	52	4	Berkshire Drive	3/18/2006	0	0	8	1	9	9	1		
4	53	4	Devon Lane	3/18/2006	0	0	6	1	7	7	1		
4	54	4	Cambridge Drive	3/18/2006	0	0	7	1	8	8	1		
4	55	4	Mason Hill Road	3/18/2006	0	0	1	1	2	2	1		
4	56	4	Cotswold Lane	3/18/2006	0	0	10	1	11	11	1		
4	57	4	Arivdale Road	3/18/2006	0	0	2	1	3	3	1		
4	58	4	Mundy Lane	3/18/2006	0	0	5	1	6	6	1		
4	59	4	Ridge Road	3/18/2006	0	0	5	1	6	6	1		
4	60	4	Top of the World Drive	3/14/2006	0	0	26	1	27	27	1		Tagged but not identified at beginning of street.
4	61	4	Old Dutch Road	3/13/2006	0	0	25	1	26	26	1		
4	62	4	Aspen Court	3/13/2006	0	0	7	1	8	8	1		
4	63	4	Winding Ridge Way	3/13/2006	0	0	22	1	23	23	1		
4	64	4	Cedar Ridge Lane	3/13/2006	0	0	6	1	7	7	1		
4	65	4	Morning Glory Road	3/18/2006	0	0	1	0	1	1	1		Missing Tags and ID
4	66	4	Hidden Hollow Way	3/18/2006	0	0	3	1	4	4	1		Missing Tags and ID
4	67	4	Oak Fern Drive	3/18/2006	3	0	0	0	3	0	0		Missing Tags
4	68	4	Mobus Lane	3/18/2006	0	0	1	1	2	2	1		
4	69	4	Dogwood Lane	3/18/2006	0	0	1	1	2	2	1		
4	70	4	Ivy Hill Road	3/18/2006	0	0	1	1	2	2	1		
4	71	4	Sunny Slope Drive	3/18/2006	0	0	1	1	2	2	1		
4	72	4	Hunter Tr.	3/18/2006	0	0	1	1	2	2	1		
4	73	4	Mattben Drive	3/18/2006	0	0	1	1	2	2	1		
4	74	4	Thorsen Road	3/18/2006	0	0	1	1	2	2	1		Verify out of Scope
4	75	1,4	King George Road		0	0	0	0	0	0	0		
4	76	4	Brady Road	3/18/2006	0	0	2	1	3	3	1		
4	77	4	Meyers Lane	3/18/2006	0	0	2	1	3	3	1		
4	78	4	Midvale Drive	3/18/2006	0	0	1	1	2	2	1		
4	79	4	Busy Bee Lane	3/18/2006	0	0	4	1	5	5	1		
4	80	4	Sneider Road	3/18/2006	0	0	25	1	26	26	1		
4	81	4	Evergreen Court	3/18/2006	0	0	3	1	4	4	1		
4	82	4	Brookside Drive	3/18/2006	0	0	1	1	2	2	1		
4	83	4	Conklin Lane	3/18/2006	0	0	2	1	3	3	1		
4	84	4	Strawberry Lane	3/18/2006	0	0	20	1	21	21	1		
4	85	4	Raspberry Tr.	3/18/2006	0	0	16	1	17	17	1		
4	86	4	Katherine Drive	3/18/2006	0	0	1	1	2	2	1		
4	87	4	Mountain Trail	3/18/2006	0	0	4	1	5	5	1		Out of Scope: County Road 616
4	88	4	Washington Valley Road				1	1	2	2	1		
4	89	2,4	Dock Watch Hollow	3/25/2006	0	0	1	1	2	2	1		
4	91	4	Charles Road				0	0	0	0	0		

Eagle Scout Leadership Service Project Progress Report

Police Contact Information for questions, comments or concerns: 908-672-3556

ZONE	StreetID	Zone	Street Name	Identified (Date)	Missing Tags (Count)	Other (Count)	Tagged (Count)	Untagged Grate (Count)	Total Grate and Tagged (Count)	Input	Verified	Completed	Comments
4	92	2.4	Sleepy Hollow Lane	3/25/2006									
4	93		4 Wildwood Terrace										Missing Tags; Missing Identification

Eagle Scout Leadership Service Project Progress Report

Police Contact Information for questions, comments, or concerns: 908-672-3556

ZONE	StreetID	Zone	Street Name	Identified (Date)	Missing Tags (Count)	Other (Count)	Tagged (Count)	Untagged Grade and Tagged (Count)	Input	Verified	Completed	Comments
2	201		2 Lenape Tr.									
2	202		2 Blazier Road	4/9/2006	11							Missing Tags
2	203		2 Christy Drive	4/9/2006	36							Missing Tags
2	204		2 Oak Ave.	4/9/2006	0							Missing Tags
2	205		2 Jennifer Lane	4/9/2006	7							Missing Tags
2	206		2 Buttonwood Lane	4/9/2006	1							Missing Tags
2	207		2 Hardwood Court	4/9/2006	2							Missing Tags
2	208		2 Heritage Drive									
2	209		2 Claire Drive	4/9/2006	6							Missing Tags
2	210		2 Tanglewood Drive	4/9/2006	17							Missing Tags
2	211		2 Robin Road	3/25/2006	0	0	15	16	1			Missing Tags
2	212		2 Longford Court	4/9/2006	3							Missing Tags
2	213		2 Stockade Road	4/9/2006	14							Missing Tags
2	214		2 Owens Drive	4/9/2006	2							Missing Tags
2	215		2 Independence Blvd.									
2	216		2 Quill Pen Way	4/9/2006	13							Missing Tags
2	217		2 Second St.	4/9/2006	0							Missing Tags
2	218		2 Elmwood Drive	4/9/2006	12							Missing Tags
2	219	1,2	Mt. Horeb									
2	220		2 Trails End Court	4/7/2006	0							
2	221		2 Orchard Way									
2	222	1,2	Mountain View Road	3/25/2006	59	0	58	1	59	1		Missing Tags
2	223	1,2	Red Hill Road	3/25/2006	28	0	27	1	28	1		Missing Tags
2	224		2 Bailwick Drive									
2	225		2 Coddington Lane									
2	226		2 Nottingham Way	4/9/2006	25							Missing Tags
2	227	1,4	King George Road									
2	228		2 Deerwood Tr.	4/9/2006	17							Missing Tags
2	229		2 Fawn Lane	4/9/2006	1							Missing Tags
2	230		2 Wychwood Way	4/9/2006	13							Missing Tags
2	231		2 Round Top Road	3/25/2006	39	0	38	1	39	1		Missing Tags
2	232		2 Sugarwood Way	4/9/2006	15							Missing Tags
2	233		2 Liberty Corner Road									
2	234		2 Palmwood Way	4/9/2006	3							Missing Tags
2	235		2 Stonewood Court	4/9/2006	5							Missing Tags
2	236		2 Storingham Drive									
2	237		2 Seventh St.	4/9/2006	0							Missing Tags
2	238		2 Flintlock Drive	3/25/2006	0	0	13	1	14	1		
2	239		2 Debby Lane	3/25/2006	0	0	0	4	4	1		
2	240		2 Sherwood Court									
2	241	1,2	Mountain View Road									
2	242		2 Fox Hill Drive	3/25/2006	0	0	11	0	11	1		
2	243		2 Shindelawoods Way	4/9/2006	19							Missing Tags
2	244		2 Courtland Ln.									
2	245	1,2	Red Hill Road									
2	246		2 Pinewood Lane	4/9/2006	12							Missing Tags
2	247		2 Diamond Court									
2	248		2 Fox Hill Drive West									
2	249		2 Angus Lane	4/9/2006	30							Missing Tags

Eagle Scout Leadership Service Project Progress Report

Police Contact Information for questions, comments or concerns: 908-672-3556

ZONE	StreetID	Zone	Street Name	Identified (Date)	Missing Tags (Count)	Other (Count)	Tagged (Count)	Untagged Grate (Count)	Total Grate and Tagged (Count)	Input	Verified	Completed	Comments
2	250		2 Spencer Lane	4/9/2006	7								Missing Tags
2	251		2 Casale Drive South	4/9/2006	9								Missing Tags
2	252		2 Casale Drive	4/9/2006	6								Missing Tags
2	253		2 Ponds Edge Lane										
2	254		2 Black Oak Tr.	4/9/2006	4								Missing Tags
2	255		2 Smoke Rise Drive	4/9/2006	15								Missing Tags
2	256		2 Liberty Village Drive										
2	257		2 Old Farm Road										
2	258	1,4	Mt. Bethel										
2	259	2,4	Dock Watch Hollow	4/7/2006						1			
2	260		2 Dead River Road	4/7/2006			0	4	0	4			Missing Tags
2	261		2 Friar Tuck Court	4/7/2006	5		0	5	0	5			Missing Tags
2	262		2 Grouse Road	4/9/2006	7								Missing Tags
2	263		2 Mustang Tr.	4/9/2006	7								Missing Tags
2	264		2 Mountain View Lane	4/7/2006	19		0	18	1	19			Missing Tags
2	265		2 Cardinal Drive	4/7/2006	4		0	4	0	4			Missing Tags
2	266		2 Ledgewood Court	4/9/2006	2								Missing Tags
2	267		2 Wilderness Tr.	4/9/2006	12								Missing Tags
2	268		2 White Buck Run										
2	269		2 Third St.	4/9/2006	3								Missing Tags
2	270		2 Woodfield Tr.										
2	271		2 Chesterfield Drive										
2	272		2 Morton Lane										
2	273		2 Downing Court										
2	274		2 Manor Drive	4/7/2006			0	10	0	10			
2	275		2 Woods Road										Missing Tags
2	276		2 Kenquit Road	4/9/2006	3								Missing Tags
2	277		2 Colonial Crossing										Missing Tags
2	278		2 First St.	4/9/2006	0								Missing Tags
2	279		2 Elm Ave	4/9/2006	23								Missing Tags
2	280		2 Skyline Drive	4/9/2006	22								Missing Tags
2	281		2 Westwood Court	4/9/2006	6								Missing Tags
2	282		2 Fourth St.	4/9/2006	0								Missing Tags
2	283	2,4	Sleepy Hollow Lane										
2	284		2 Eighth St.	4/9/2006	0								Missing Tags
2	285		2 Oakwood Path	4/9/2006	6								Missing Tags
2	286		2 Eleventh St.	4/9/2006	1								Missing Tags
2	287		2 Old Forge Drive	4/9/2006	9								Missing Tags
2	288		2 Meadow Drive	3/25/2006	3		0	3	0	3			Missing Tags
2	289		2 Briarwood Drive East										Missing Tags
2	290		2 Teakwood Court	4/9/2006	4								Missing Tags
2	291		2 Crosswood Way	4/9/2006	20								Missing Tags
2	292		2 Hazelwood Court	4/9/2006	10								Missing Tags
2	293		2 Timber Ridge Drive										
2	294		2 Stonehedge Court										Missing Tags
2	295		2 Ashwood Court	4/9/2006	6								Missing Tags
2	296		2 Briarwood Drive West	4/9/2006	30								Missing Tags
2	297		2 Beechwood Court	4/9/2006	5								Missing Tags
2	298		2 Boxwood Court	4/9/2006	4								Missing Tags

Eagle Scout Leadership Service Project Progress Report

Police Contact Information for questions, comments, or concerns: 908-672-3556

ZONE	StreetID	Zone	Street Name	Identified (Date)	Missing Tags (Count)	Other (Count)	Tagged (Count)	Untagged - Total Grate and Tagged (Count)			Completed	Comments
								Grate (Count)	Grate (Count)	Grate (Count)		
2	299		2 Softwood Way	4/9/2006	20							Missing Tags
2	2012		2 Spring House Road	4/9/2006	11							Missing Tags
2	2013		2 Ninth St.	4/9/2006	0							Missing Tags
2	2100		2 Trinity Pl.									
2	2101		2 Woodgrove Turn									
2	2102		2 Horseshoe Road	4/9/2006	5							Missing Tags
2	2103		2 Brentwood Court	4/9/2006	11							Missing Tags
2	2104		2 Red Fox Tr.	4/9/2006	4							Missing Tags
2	2105		2 Darkwood Court	4/9/2006	10							Missing Tags
2	2106		2 Firethorn Court	4/9/2006	4							Missing Tags
2	2107		2 Blue Jay Court									
2	2108		2 Broken Arrow Road	4/7/2006		0	1	0	1			
2	2110,2,4		Sleepy Hollow Lane									
2	2111,3,4		Old Stirling Road									
2	??		2 Deerwood Tr. West				1	0	0	1		
2	89,2,4		Dock Watch Hollow	4/10/2006								
2	??		2 Elizabeth Ave.									
2	??	1,2	Mt. Horeb									

Eagle Scout Leadership Service Project Progress Report
Project to Identify, Tag, and Document the Storm Drains to help the Warren Township comply with:
 State of NJ: R9 – Tier A Municipal Storm water General Permit
 Township Of Warren Ordinance: No 05-23

SUMMARY STATS:(By Zone)

Street Name	Identified (Date)	Missing Tags (Count)	Tagged (Count)	Tagged (Count)	Grate (Count)	Total Grate and Tagged (Count)	Input	Verified	Completed
Zone 2 & 4 Combined	198	189					192	96.97%	0
Count									
%Completed	98.99%								
Start Date	1/9/00								
End Date	4/19/06								
Sum		835	#N/A	195	#N/A	#N/A			
Zone 2	106	97				103	100	99.04%	0
Count									
%Completed	98.11%								
Start Date	1/9/00								
End Date	4/3/06								
Sum		835	#N/A	107	#N/A	#N/A			
Zone 4	92	92				92	92	100.00%	0
Count									
%Completed	100.00%								
Start Date	3/11/2006								
End Date	4/19/2006								
Sum		0	25	746	88	834			

SPPP Form 6 – MS4 Outfall Pipe Mapping

Municipality
Information

Municipality: Warren County Somerset

NJPDES # : 0154202 PI ID #: 167232

Team Member/Title: David Darge

Effective Date of Permit Authorization (EDPA): 4/1/04

Date of Completion: 6/9/06 Date of most recent update: _____

Explain how you will prepare your map (include its type and scale, and the schedule for the mapping process). Who will prepare your map (e.g., municipal employees, a consultant, etc.)?

Warren Township will utilize Somerset County's GPS system to locate the MS4 Outfall Structures. The Engineering Dept. will insert this information into a basemap that has previously been prepared by the Engineering Department. The map is currently on NJSPC 1927 and is updated by the Engineering Dept. The map scale is 1" = 1600 ft. The western half of the Township will be mapped by May 2007 and the eastern half by May 2009.

SPPP Form 7 – Illicit Connection Elimination Program

Municipality
Information

Municipality: Warren Township County Somerset

NJPDES # : 0154202 PI ID #: 167232

Team Member/Title: Christian M. Kastrud, P.E.

Effective Date of Permit Authorization (EDPA): 4/1/04

Date of Completion: 6/9/06 Date of most recent update: _____

Describe your Illicit Connection Elimination Program, and explain how you plan on responding to complaints and/or reports of illicit connections (e.g., hotlines, etc.). Attach additional pages as necessary.

We will conduct an initial physical inspection of all of our outfall pipes during the mapping process. We will use the DEP Illicit Connection Inspection Report Form to conduct these inspections, and each of these forms will be kept with our SPPP records. Outfall pipes that are found to have a dry weather flow or evidence of an intermittent non-stormwater flow will be rechecked again to locate the illicit connection. If we are able to locate the illicit connection (and the connection is within Warren Township) we will cite the responsible party for being in violation of our Illicit Connection Ordinance, and we will have the connection eliminated immediately. If after the appropriate amount of investigation, we are unable to locate the source of the illicit connection, we will submit the Closeout Investigation Form with our Annual Inspection & Recertification. If an illicit connection is found to originate from another public entity, Warren Township will report the illicit connection to the Department.

SPPP Form 8 – Illicit Connection Records

Municipality Information	Municipality: <u>Warren Township County Somerset</u> NJPDES # : <u>0154202</u> PI ID #: <u>167232</u> Team Member/Title: <u>Doug Burro</u> Effective Date of Permit Authorization (EDPA): <u>4/1/04</u> Date of Completion: <u>6/9/06</u> Date of most recent update: _____
---------------------------------	---

Prior to May 2, 2006

Note: Attach a copy of each illicit connection report form for outfalls found to have a dry weather flow.

Total number of inspections performed this year? _____

Number of outfalls found to have a dry weather flow? _____

Number of outfalls found to have an illicit connection? _____

How many illicit connections were eliminated? _____

Of the illicit connections found, how many remain? _____

May 2, 2006 – May 1, 2007

Note: Attach a copy of each illicit connection report form for outfalls found to have a dry weather flow.

Total number of inspections performed this year? _____

Number of outfalls found to have a dry weather flow? _____

Number of outfalls found to have an illicit connection? _____

How many illicit connections were eliminated? _____

Of the illicit connections found, how many remain? _____

May 2, 2007 – May 1, 2008

Note: Attach a copy of each illicit connection report form for outfalls found to have a dry weather flow.

Total number of inspections performed this year? _____

Number of outfalls found to have a dry weather flow? _____

Number of outfalls found to have an illicit connection? _____

How many illicit connections were eliminated? _____

Of the illicit connections found, how many remain? _____

May 2, 2008 – May 1, 2009

Note: Attach a copy of each illicit connection report form for outfalls found to have a dry weather flow.

Total number of inspections performed this year? _____

Number of outfalls found to have a dry weather flow? _____

Number of outfalls found to have an illicit connection? _____

How many illicit connections were eliminated? _____

Of the illicit connections found, how many remain? _____

SPPP Form 9 – Yard Waste Ordinance/Collection Program

Municipality
Information

Municipality: Warren Township County Somerset

NJPDES # :0154202PI ID #: 167232

Team Member/Title: Michael Mullin

Effective Date of Permit Authorization (EDPA):4/1/04

Date of Completion: 6/9/06 Date of most recent update: _____

Please describe your yard waste collection program. Be sure to include the collection schedule and how you will notify the residents and businesses of this schedule. Attach additional pages as necessary.

Warren Township does not have a yard waste ordinance or collection program and has no intention of creating one. Please see Form 10 for the ordinance numbers.

Christian Kastrud

From: Chris Bolka [Chris.Bolka@dep.state.nj.us]
To: Christian Kastrud; Mike Mullin
Cc:
Subject: Munic. Stormwater Inspection
Attachments:

Sent: Mon 6/5/2006 10:37 AM

Gentlemen:

The yard waste ordinance requirement may be satisfied by the current litter ordinance. In your SPPP, under the yard waste section, you should reference the litter ordinance. I believe that this was the only item needing clarification. If there are more questions, please contact me as soon as possible.

Finalize the SPPP and submit your annual report. The report should be sent to the NJDEP's Bureau of Non-point Pollution Control. Please fax me a copy of the annual report and certification when completed at 973-656-4400.

Thanks, Chris

SPPP Form 10 - Ordinances

Municipality
Information

Municipality: Warren Township County Somerset County

NJPDES # : 0154202 PI ID #: 167232

Team Member/Title: John Belardo

Effective Date of Permit Authorization (EDPA): 4/1/04

Date of Completion: 6/9/06 Date of most recent update: _____

For each ordinance, give the date of adoption. If not adopted, explain the development status:

Pet Waste 98-34

Are information sheets regarding pet waste distributed with pet licenses? Y (X) N ()

Litter 3-1 (amended 90-2)

Improper Waste Disposal 05-33

Wildlife Feeding 05-35

Yard Waste 3-1.4

Illicit Connections 05-34

How will these ordinances be enforced?

SPPP Form 11 – Storm Drain Inlet Retrofitting

Municipality Information	Municipality: <u>Warren Township</u> County <u>Somerset</u> NJPDES # : <u>0154202</u> PI ID #: <u>167232</u> Team Member/Title: <u>Doug Buro</u> Effective Date of Permit Authorization (EDPA): <u>4/1/06</u> Date of Completion: <u>6/9/06</u> Date of most recent update: _____
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What type of storm drain inlet design will generally be used for retrofitting?
Type "N" ECO CURB PIECE (see attach. "C"

Repaving, repairing, reconstruction or alteration project name	Projected start date	Start date	Date of completion	# of storm drain inlets	# of storm drains w/ hydraulic exemptions

Are you claiming any alternative device exemptions or historic place exemptions for any of the above projects? Please explain:
NO

Attachment C DESIGN STANDARD - STORM DRAIN INLETS

This standard applies to storm drain inlets installed as part of new development and redevelopment projects (public or private) that disturb one acre or more. In addition, retrofitting of existing storm drain inlets to this standard is required where such inlets are in direct contact with repaving, repairing (excluding repair of individual potholes), reconstruction or alterations of facilities owned or operated by the Tier A Municipality. For exemptions to this standard see "Exemptions" below.

Grates in Pavement or Other Ground Surfaces

Design engineers shall use either of the following grates whenever they use a grate in pavement or another ground surface to collect stormwater from that surface into a storm drain or surface water body under that grate:

1. The New Jersey Department of Transportation (NJDOT) bicycle safe grate, which is described in Chapter 2.4 of the NJDOT Bicycle Compatible Roadways and Bikeways Planning and Design Guidelines (April 1996).
2. A different grate, if each individual clear space in that grate has an area of no more than seven (7.0) square inches, or is no greater than 0.5 inches across the smallest dimension.

(In regard to whether the different grate must also be bicycle safe, the Residential Site Improvement Standards include requirements for bicycle-safe grates.)

Examples of grates subject to this standard include grates in grate inlets, the grate portion (non-curb-opening portion) of combination inlets, grates on storm sewer manholes, ditch grates, trench grates, and grates of spacer bars in slotted drains. Examples of ground surfaces include surfaces of roads (including bridges), driveways, parking areas, bikeways, plazas, sidewalks, lawns, fields, open channels, and stormwater basin floors.

Curb-Opening Inlets (Including Curb-Opening Inlets in Combination Inlets)

Whenever design engineers use a curb-opening inlet, the clear space in that curb opening (or each individual clear space, if the curb opening has two or more clear spaces) shall have an area of no more than seven (7.0) square inches, or be no greater than two (2.0) inches across the smallest dimension.

Exemptions

Retrofitting Exemptions

1. Repaving, repairing, reconstruction or alterations projects that began construction prior to March 3, 2004, and projects that were awarded bid prior to March 3, 2004, are exempted from the storm drain inlet design standard.
2. Existing curb-opening inlets do not need to be retrofitted to meet the design standard if each individual clear space in the curb opening has an area of no more than nine (9.0) square inches.

SPPP Form 12 – Street Sweeping and Road Erosion Control Maintenance

Municipality Information

Municipality: Warren Township County: Somerset

NJPDES # :0154202 PI ID #: 167232

Team Member/Title: Doug Buro

Effective Date of Permit Authorization (EDPA): 4/1/04

Date of Completion: 6/9/06 Date of most recent update: _____

Street Sweeping

Please describe the street sweeping schedule that you will maintain.

(NOTE: Attach a street sweeping log containing the following information: date and area swept, # of miles swept and the total amount of materials collected.)

Warren Township has evaluated all of its streets to determine which streets need to be swept monthly. They include Independence Boulevard, Community Place, Technology Drive North, Powderhorn Drive & Frederick Road.

Warren Township intends on maintaining its existing street sweeping program for all other streets (that are not required by the permit) which includes sweeping all streets once a year. Warren Township has a standard interlocal services agreement with Somerset County which includes sweeping.

Road Erosion Control Maintenance

Describe your Road Erosion Control Maintenance Program, including inspection schedules. A list of all sites of roadside erosion and the repair technique(s) you will be using for each site should be attached to this form.

(NOTE: Attach a road erosion control maintenance log containing the following information: location, repairs, date)

Warren Township uses the Public Works Department to monitor all streets for erosion problems during normal patrol. All identified road erosion problems will be reported to Doug Buro, Superintendent of Public Works. Identified areas of erosion will be repaired as necessary in accordance with the standards for Soil Erosion and Sediment Control in New Jersey. Doug Buro will maintain an inspection log along with a list of all repairs and dated completed. The status of the Road Erosion Control Maintenance Program will be included in the Annual Report and Recertification.

Street Sweepings

Michael Lovett

Sent: Thursday, October 25, 2012 12:09 PM

To: ckastrud@kastrudengineering.com

Cc: Maryellen Vautin

2010:

4/19, 5/17, 6/21, 7/8-9, 8/10, 9/20-23, 10/18/11/16-19, 12/8

Volume p/u 12 tons

2011:

4/18, 6/16, 7/14, 9/9, 10/18

Volume p/u 6 tons

Mike Lovett

Assistant Superintendent

Warren Township-DPW

PWANJ Region III

Treasurer

908-753-5226 Office

908-753-0979 Fax

mlovett@warrentboe.org

2010
2/3 drain
w/ set
replacement
w/ Mountains
flat imp. Ph III

total miles of roads
in Warren ? (115.8 miles
Dave Sarge)

BILL TO

TOWNSHIP OF WARREN
PURCHASING DEPARTMENT
46 MOUNTAIN BOULEVARD
WARREN, N.J. 07059
TEL (908) 753-8000 • FAX (908) 757-9173

THIS ORDER NUMBER MUST APPEAR ON ALL
CORRESPONDENCE, INVOICE AND SHIPPING DOCUMENT

DEPARTMENT:
STREET SWEEPING

PURCHASE ORDER NO.

030764

DATE:
5/08/2009

ALL SHIPMENTS MUST BE PREPAID

SHIP TO:

VENDOR

SOMERSET COUNTY TREASURER
PO BOX 3000
SOMERVILLE NJ 08876-1262

PURCHASING DEPT
46 MOUNTAIN BLVD
WARREN NJ 07059
EXT. 233
(908) 000-0000

VENDOR I.D. NUMBER:
4564

SHIP VIA	TERMS	DELIVERY REQUIRED
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QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
1.00	WORK ORDER# 219474 04/15/09 STREET SWEEPING 04/15 & 05/05 NORTH TECHNOLOGY DRIVE POWDERHORN COMMUNITY PLACE COLONIAL CROSSING INDEPENDENCE BLVD	1,077.1400	1,077.14

GREEN VOUCHER COPY
MUST BE SIGNED AND RETURNED FOR PAYMENT
WARREN TOWNSHIP IS TAX EXEMPT BY STATUTE
FEDERAL I.D. # 22-6002374

TOTAL 1,077.14

ACCOUNT TO BE CHARGED AMOUNT

01-251-6527-9 1,077.14

APPROVAL TO PURCHASE
This order is not valid unless signed by the Purchasing Agent.

[Signature]
SIGNATURE OF PURCHASING AGENT

5/11/09
DATE

WARREN TOWNSHIP BASIN CLEANING

Date	Location	Number of Basins Cleaned
7-13-06	King George Rd.	32
7-13-06	Old Stirling Rd.	18
7-13-06	Mountain View Rd.	24
7-14-06	Valley View Rd.	14
7-14-06	Upper Warren Way	12
7-14-06	Wolf Hill Drive	8
11-4-06	Summerhill Rd.	10
11-4-06	Sawmill Rd.	12
11-4-06	Crown Dive	12
11-4-06	Maxwell Court	12
11-4-06	Sandlewood Drive	14
11-4-06	Hill Hollow	10
4-23-07	Quill Penn	8
4-23-07	Rambling Brook	6
4-23-07	Aspen Court	8
4-23-07	Spencer Lane	12
4-23-07	Gregory Lane	12
4-23-07	Deerwood Trail	8
4-23-07	Heather Lane	10
4-23-07	Mountain Ave	10
4-24-07	Roberts Rd.	14
4-24-07	Hilltop Ct.	10
4-24-07	Dillon Ct.	8
4-24-07	Highmount Ave	12
4-24-07	Old Smalleytown	
4-24-07	Walnut Court	
4-24-07	Lorriane Rd.	
9-07	Mattben Rd.	12
9-07	Cherry Tree Lane	6
9-07	Sycamore Way	18
11-07	Birkshire Drive	4
11-07	Cambridge Dr.	10
4-08	Helen St.	8
4-08	Old Dutch Rd.	4
7-08	Spencer Lane	8
7-08	Ellsworth Drive	10
8-08	Springdale Lane	9
8-08	Reinman Rd.	6
11-08	Gates Avenue	4
3-09	Grouse Ave	4
3-09	Lenape Trail	8
5-09	Skyline Drive	12
5-09	Red Hill Rd.	14
5-09	Wilderness Dr.	8
6-09	Stardust Dr.	8

SPPP Form 13 – Stormwater Facility Maintenance

Municipality
Information

Municipality: Warren Township County: Somerset

NJPDES # : 0154202 PI ID #: 167232

Team Member/Title: Doug Buro

Effective Date of Permit Authorization (EDPA): 4/1/04

Date of Completion: 6/9/06 Date of most recent update: _____

Please describe your annual catch basin cleaning program and schedule. Attach a map/diagram or additional pages as necessary.

Warren Townships Department of Public Works will clean each catch basin annually on a street by street basis. The number of basins and material amount will be logged on the following spreadsheet. Basins will be cleaned with a VAC Truck and the spoils will be disposed of offsite.

Please describe your stormwater facility maintenance program for cleaning and maintenance of all stormwater facilities operated by the municipality. Attach additional pages as necessary.

(NOTE: Attach a maintenance log containing information on any repairs/maintenance performed on stormwater facilities to ensure their proper function and operation.)

Warren Township is currently responsible for the maintenance of one detention basin. Maintenance consists of monthly mowing during the growing season. Silt and debris is removed from the Low Flow Channel and outlet structure as needed. The structures are visually inspected during each visit.

update may 2013
3 basins
Darkwood B 24.06 / Lot 18
Schindelarwood B 24.05 / Lot 27
Liberty Corner B 24.01 / 17
still current April 2015

SPPP Form 14 - Outfall Pipe Stream Scouring Remediation

Municipality
Information

Municipality: Warren Township County: Somerset

NJPDES # : 0154202 PI ID #: 167232

Team Member/Title: Doug Buro

Effective Date of Permit Authorization (EDPA): 4/1/04

Date of Completion: 6/9/06 Date of most recent update: _____

Describe your stormwater outfall pipe scouring detection, remediation and maintenance program to detect and control active, localized stream and stream bank scouring. Attach additional pages as necessary.

(NOTE: Attach a prioritized list of sites observed to have outfall pipe stream and stream bank scouring, date of anticipated repair, method of repair and date of completion.)

When we are doing the illicit connection part of this program, we will be checking all of our outfall pipes for signs of scouring. All sites will be placed on a prioritized list and repairs will be made in accordance with the Standards for Soil Erosion and Sediment Control in New Jersey. In addition, repairs that do not need NJDEP permits for those repairs may be done first.

We will follow each repair up with an annual inspection of the site to ensure that scouring has not resumed.

Attached is a list of all sites with outfall pipe stream scouring, the date we plan on repairing the scouring, and the method of repair we will use. When repairs are completed we will note the date of that repair on this form.

SPPP Form 15 – De-icing Material Storage

Municipality
Information

Municipality: S County _____

NJPDES # : _____ PI ID #: _____

Team Member/Title: _____

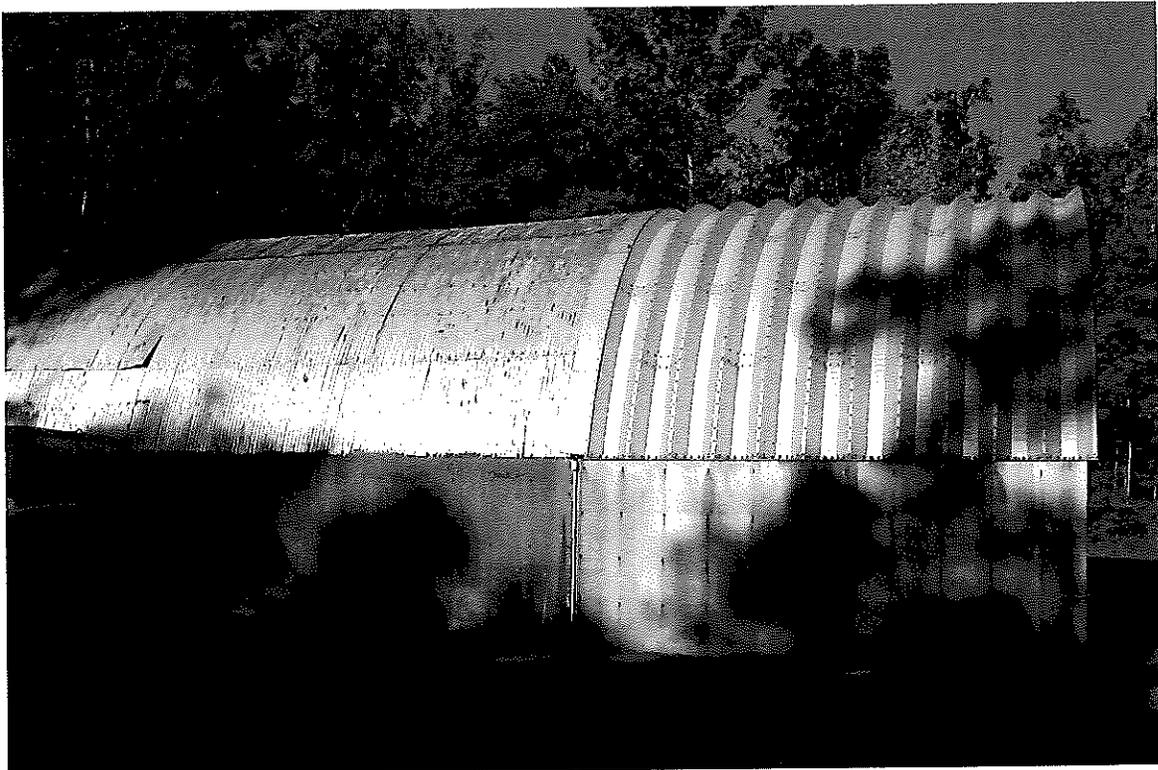
Effective Date of Permit Authorization (EDPA): _____

Date of Completion: _____ Date of most recent update: _____

De-icing Material Storage

Describe how you currently store your municipality's de-icing materials, and describe your inspection schedule for the storage area. If your current storage practices do not meet the de-icing material storage SBR describe your construction schedule and your seasonal tarping interim measures. If you plan on sharing a storage structure, please include its location, as well as a complete list of all concerned public entities. If you store sand outdoors, describe how it meets the minimum standard.

Warren Township currently has a three sided concrete storage facility with an aluminum roof (see attached picture) The material inside the shed is also covered with a tarp. We do routine visual inspections of the storage facility.



SPPP Form 16 – Standard Operating Procedures

Municipality Information	Municipality: <u>Warren Township</u> County <u>Somerset County</u> NJPDES # : <u>0154202</u> PI ID #: <u>167232</u> Team Member/Title: <u>Doug Buro</u> Effective Date of Permit Authorization (EDPA): <u>4/1/04</u> Date of Completion: <u>6/9/06</u> Date of most recent update: _____
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BMP	Date SOP went into effect	Describe your inspection schedule
Fueling Operations (including the required practices listed in Attachment D of the permit)		<i>We have one location for fueling and that is at the Public Works Yard at 1 Bardy Road. There are two underground storage tanks. We have visual inspections monthly and a professional inspection yearly.</i>
Vehicle Maintenance (including the required practices listed in Attachment D of the permit)		<i>We have a three bay indoor service garage. We have proper drains for oils and other solutions. Monthly inspections will e held to ensure that the SOP is being met .</i>
Good Housekeeping Practices (including the required practices listed in Attachment D of the permit) Attach inventory list required by Attachment D of the permit.		<i>We always keep a clean work environment. All spills are soaked up immediately. All containers are labeled. All employees will receive a copy of attachment D.</i> <i>Mon thly inspections of all municipal maintenance yards and ancillary operations are held.</i>

Attachment D
REQUIRED PRACTICES FOR FUELING OPERATIONS, VEHICLE
MAINTENANCE, AND GOOD HOUSEKEEPING SBRs

A. The following BMPs must be implemented at maintenance yards including maintenance activities at ancillary operations (for example, impound yards, solid waste transfer stations, mobile fueling), where applicable, operated by Tier A Municipalities:

1. Inventory Requirements for Municipal Maintenance Yard Operations (including Ancillary Operations)

a. Tier A Municipalities shall include for municipal maintenance yard operations an inventory that includes the following:

i. A list to be made part of the SPPP of general categories of all materials or machinery located at the municipal maintenance yard, which could be a source of pollutants in a stormwater discharge. The materials in question include, but are not limited to: raw materials; intermediate products; final products; waste materials; by-products; machinery and fuels; and lubricants, solvents, and detergents that are related to the municipal maintenance yard operations or ancillary operations. Materials or machinery that are not exposed to stormwater or that are not located at the municipal maintenance yard or related to its operations do not need to be included.

2. Fueling

a. No topping off vehicles, mobile fuel tanks, and storage tanks. Drip pans must be used under all hose and pipe connections and other leak-prone areas during bulk transfer of fuels.

b. Block storm sewer inlets, or contain tank trucks used for bulk transfer, with temporary berms or temporary absorbent booms during the transfer process. If temporary berms are being used instead of blocking the storm sewer inlets, all hose connection points associated with the transfer of fuel must be within the temporary berms during the loading/unloading of bulk fuels. A trained employee must always be present to supervise during bulk fuel transfer.

c. Instructions for safe operation of fueling equipment, and the name and phone number of the owner or operator of the facility and the person responsible for spill response, must be clearly posted in a prominent area of the facility.

d. Any equipment, tanks, pumps, piping and fuel dispensing equipment found to be leaking or in disrepair must immediately be repaired or replaced.

3. Vehicle Maintenance

a. Perform all vehicle and equipment maintenance at an indoor location with a paved floor whenever possible. For projects that must be performed outdoors that last more than one day, portable tents or covers must be placed over the equipment being serviced when not being worked on, and drip pans must be used.

4. General Good Housekeeping

- a. Properly mark or label all containers. Labels must be kept clean and visible. All containers must be kept in good condition and tightly closed when not in use. When practical, containers must be stored indoors. If indoor storage is not practical, containers may be stored outside as long as they are covered and placed on spill platforms. An area that is graded and/or bermed that prevents run-through of stormwater may be used in place of spill platforms. Outdoor storage locations must be regularly maintained.
- b. Conduct cleanups of any spills or liquids or dry materials immediately after discovery. Clean all maintenance areas with dry cleaning methods only. Spills shall be cleaned up with a dry, absorbent material (i.e., kitty litter, sawdust, etc.) and the rest of the area is to be swept. Collected waste is to be disposed of properly. Clean-up materials, spill kits and drip pans must be kept near any liquid transfer areas, protected from rainfall.

5. Good Housekeeping Practices for Salt and De-icing Material Handling

- a. The SPPP for De-icing Material Storage shall include the following required practices to ensure that Municipal Maintenance Yard Operations prevent or minimize the exposure of salt and de-icing materials to stormwater runoff from storage, loading and unloading areas and activities:
 - i. Prevent and/or minimize the spillage of salt and de-icing materials during loading and unloading activities.
 - ii. At the completion of loading and unloading activities, spilled salt and de-icing materials shall be removed using dry cleaning methods and either reused or properly discarded.
 - iii. Sweeping by hand or mechanical means of storage and loading/unloading areas shall be done on a regular basis. More frequent sweeping is required following loading/unloading activities. Sweeping shall also be conducted immediately following, as practicable, loading/unloading activities.
 - iv. Tracking of materials from storage and loading/unloading areas shall be minimized.
 - v. Minimize the distance salt and de-icing materials are transported during loading/unloading activities.
- b. Interim Seasonal Tarping - All Tier A Municipalities must tarp all de-icing materials until a permanent structure is built. Interim storage measures must include, but are not limited to the following:
 - i. Tarping materials that are not actively being used.
 - ii. The storage of de-icing materials (salt and de-icing products) outside is limited to October 15th through April 30th. All salt and de-icing materials must be removed from the site prior to May 1st and may not be stored outside again until October 15th.
 - iii. The implementing of a regular inspection, sweeping and housekeeping program to ensure that the material is maintained and stored in a proper manner.

SPPP Form 17 – Employee Training

Municipality
Information

Municipality: Warren Township County Somerset County

NJPDES # : 0154202 PI ID #: 167232

Team Member/Title: Doug Buro, Superintendent

Effective Date of Permit Authorization (EDPA): 4/1/04

Date of Completion: 6/9/06 Date of most recent update: _____

Describe your employee training program. For each required topic, list the employees that will receive training on that topic, and the date the training will be held. Attach additional pages as necessary.

We have a training log in the office. It lists when training was done and also who attended and what the topic was about. The training log is kept in the Public Works Garage.

All municipal employees who have access to Township Vehicles and utilize the fuel pumps will be trained on proper S.O.P. regarding fueling procedures.

All Public Works employees responsible for the annual cleaning of catch basins will be properly trained on cleaning procedures.

All public works employees will be properly trained on material storage procedures.

Closeout Investigation Form

Municipality
Information

Municipality: Warren Township County Somerset

NJPDES # : **NJG0154202** PI ID #: 167232

Team Member / Title: Christian M. Kastrud, P.E.

Outfall #: _____ Location: _____

Receiving Waterbody: _____

Basis for Submittal:

- () A non-stormwater discharge was found, but no source was located within six months.
- () An intermittent non-stormwater discharge was observed, and three unsuccessful investigations were conducted to investigate the discharge while it was flowing.

Describe each phase of your investigation, including dates. Attach additional pages as necessary:

Inspector's Name: _____

Title: _____

Signature: _____

Date: _____

Complete and attach this form to the appropriate Illicit Connection Inspection Report Form and submit with the Annual Report and Certification.