

Tier A Municipal Stormwater Regulation Program

Stormwater Pollution Prevention Team Members

Number of team members may vary.

Completed by: T&M Associates

Title: Consulting Engineer

Date: February 2020

Municipality: Hillsborough Township

County: Somerset

NJPDES #: NJG0153231

PI ID #: 202007

Stormwater Program Coordinator: Thomas Belanger, C.E.T.

Title: Assistant Township Engineer

Office Phone #: (908) 369-4460 x-7155

Emergency Phone #: Same as above

Public Notice Coordinator: Anthony Ferrera

Title: Township Administrator

Office Phone #: (908) 369-3535 x-7103

Emergency Phone #: Same as above

Post-Construction Stormwater Management Coordinator: Thomas Belanger, C.E.T.

Title: Assistant Township Engineer

Office Phone #: (908) 369-4460 x-7155

Emergency Phone #: Same as above

Local Public Education Coordinator: Thomas Belanger, C.E.T.

Title: Assistant Township Engineer

Office Phone #: (908) 369-4460 x-7155

Emergency Phone #: Same as above

Ordinance Coordinator: Anthony Ferrera

Title: Township Administrator

Office Phone #: (908) 369-3535 x-7103

Emergency Phone #: Same as above

Public Works Coordinator: Richard Resavy

Title: Director of Public Works

Office Phone #: (908) 369-3950 x-7187

Emergency Phone #: Same as above

Employee Training Coordinator: Richard Resavy

Title: Director of Public Works

Office Phone #: (908) 369-3950 x-7187

Emergency Phone #: Same as above

Other: Jeff Huxley

Title: Supervisor of Public Works

Office Phone #: (908) 369-3950 x-7314

Emergency Phone #: Same as above

SPPP Signature Page

Municipality
Information

Municipality: Hillsborough Township County: Somerset
NJPDES #: NJG_0153231 PI ID #: 202007
Team Member/Title: Thomas Belanger, C.E.T., Assistant Township Engineer
Effective Date of Permit Authorization (EDPA): 01/01/2018
Date of Completion: June 2009 Date of most recent update: February 2020

"I certify that this SPPP includes all of the information and items identified in Attachment A of the Tier A Municipal Stormwater General Permit. All attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for purposely, knowingly, recklessly, or negligently submitting false information."

(Signature)

(Date)

Thomas Belanger, C.E.T.

(Print Name)

Assistant
Township Engineer

(Title)

(NOTE: A new SPPP signature page should be attached each time the SPPP is updated or modified, excluding data entries. Previous SPPP signature pages shall be retained as part of the SPPP.)

SPPP Form 2 - Public Notice

Municipality
Information

Municipality: Hillsborough Township County: Somerset
NJPDES #: NJG 0153231 PI ID #: 202007
Team Member/Title: Anthony Ferrera, Township Administrator
Effective Date of Permit Authorization (EDPA): 01/01/2018
Date of Completion: June 2009 Date of most recent update: February 2020

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.

Hillsborough Township provides public notice of meetings as required by the Open Public Meetings Act ("Sunshine Law," N.J.S.A. 10:4-6 et seq.) and as required by N.J.S.A. 40:49-1 et. seq. for the passage of ordinances. The Township will also provide public notice for municipal actions where necessary, for example in the adoption of applicable stormwater related ordinances or in the re-adoption of the stormwater management plan in subsequent re-examinations. All public notices will be in accordance with Municipal Land Use Law (N.J.S.A. 40:55D-1 et. seq.).

Copies of the Stormwater Pollution Prevention Plan (SPPP), the adopted Municipal Stormwater Management Plan and Ordinance, and the community wide ordinances have also been posted online for review by the public. Digital copies can be found at the Township's website as follows:

<https://www.hillsborough-nj.org/departments/engineering/information-for-residents/>

The Township will provide public notice for all public involvement projects pertaining to stormwater education and outreach activities either online, through a mass mailing, through an advertisement in the Township newspaper of record or through other similar means.

SPPP Form 3 - New Development and Redevelopment Program

Municipality Information	Municipality: <u>Hillsborough Township</u> County: <u>Somerset</u> NJPDES #: <u>NJG_0153231</u> PI ID #: <u>202007</u> Team Member/Title: <u>Thomas Belanger, C.E.T., Assistant Township Engineer</u> Effective Date of Permit Authorization (EDPA): <u>01/01/2018</u> Date of Completion: <u>June 2009</u> Date of most recent update: <u>February 2020</u>
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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 Township's post-construction stormwater management program for new development and redevelopment projects is as follows:

1. The Township's Planning and Zoning Office ensures that plans for all new residential development and redevelopment projects, subject to the Residential Site Improvements Standards (RSIS), are in compliance with the Stormwater Management Regulations prior to issuance of final subdivision or site plan approvals under the Municipal Land Use Law.
2. Township representatives will ensure continued compliance of any installed BMPs in private developments in accordance with approved subdivision plans, applicable ordinances, as well as, long term operation and maintenance plans of any approved BMPs on private property. The Public Works Department will be responsible for appropriate long-term operation and maintenance of BMP's on Township property and will monitor private BMP's as needed to ensure proper operation and maintenance is being conducted in accordance with approved operation and maintenance plans.
3. The Township's Planning and Zoning Office will ensure all plans for new development and redevelopment projects incorporate the control passage of solid and floatable materials through storm drain inlets. The Township anticipates that for most projects' compliance will be achieved either by conveying flows through a trash rack or by installation of the NJDOT bicycle safe grate and curb openings with a clear space no more than 7 square inches or no bigger

SPPP Form 3 - New Development and Redevelopment Program (Continued)

Municipality Information	Municipality: <u>Hillsborough Township</u> County: <u>Somerset</u> NJPDES #: <u>NJG_0153231</u> PI ID #: <u>202007</u> Team Member/Title: <u>Thomas Belanger, C.E.T., Assistant Township Engineer</u> Effective Date of Permit Authorization (EDPA): <u>01/01/2018</u> Date of Completion: <u>June 2009</u> Date of most recent update: <u>February 2020</u>
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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.

than 2 inches across the smallest dimension. Township representatives will ensure proper installation of said inlets and the Public Works Department will be responsible for proper maintenance and/or retrofit of existing and new inlets.

4. The Township's Municipal Stormwater Management Plan and Stormwater Control Ordinance were completed and adopted on April 7, 2005 (MSWMP) and October 11, 2005 (STW Ordinance) in accordance with NJDEP's requirements. Final copies of the adopted documents were reviewed and approved by the Somerset County Planning Board. Copies of both the plan and ordinance are included in Appendix 1 of this report and are also available for review and download on the Township's website. The Municipal Stormwater Management Plan will be updated as needed as part of the re-examination of the Township's master plan.
5. All new plans for new development and redevelopment projects are reviewed by the appropriate personnel for compliance with the design and maintenance measures adopted. Additionally, starting January 1, 2019, the Township and/or their representatives will complete, update, finalize and maintain a "Major Development Stormwater Summary" for applicable structural and non-structural stormwater measures proposed. A copy of the summary report is included in Appendix 2 of this report.

SPPP Form 4 - Local Public Education Program

Municipality Information

Municipality: Hillsborough Township County: Somerset
NJPDES #: NJG_0153231 PI ID #: 202007
Team Member/Title: Thomas Belanger, C.E.T., Assistant Township Engineer
Effective Date of Permit Authorization (EDPA): 01/01/2018
Date of Completion: June 2009 Date of most recent update: February 2020

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.

In accordance with the MS4 Permit requirements, the Township must conduct various public education activities and accumulate a minimum of 12 points worth of activities within a permit year (January 1st through December 31st). A complete list of activities and their corresponding points is provided in Appendix 3 of this report. The Township is required to select activities from at least three of the five categories provided.

Based on a review of activities provided, the Township has conducted and/or will conduct the following:

GENERAL PUBLIC OUTREACH CATEGORY

- WEBSITE – The Township already maintains a stormwater related page on their website that includes stormwater related information and links to the Clean Water website and the NJDEP stormwater website. (1 POINT)

TARGETED AUDIENCES OUTREACH CATEGORY

- ORDINANCE EDUCATION – The Township will distribute a letter via a municipal mailing to all residents and businesses highlighting the requirements of the community wide ordinances (i.e. pet waste, litter, wildlife feeding, etc.). Links to the ordinances will be provided for the general public's information. (3 POINTS)

SCHOOL / YOUTH EDUCATION AND ACTIVITIES CATEGORY

- CLEAN-UPS – The Township coordinates several litter cleanup events throughout the year from March through November to clean up various areas within the Township. Events are noticed on the Township's website. (3 POINTS per Clean Up).

SPPP Form 4 – LPE Program (Continued)

Municipality Information	Municipality: <u>Hillsborough Township</u> County: <u>Somerset</u>
	NJPDES #: <u>NJG_0153231</u> PI ID #: <u>202007</u>
	Team Member/Title: <u>Thomas Belanger, C.E.T., Assistant Township Engineer</u>
	Effective Date of Permit Authorization (EDPA): <u>01/01/2018</u>
	Date of Completion: <u>June 2009</u> Date of most recent update: <u>February 2020</u>

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.

Additional local public education activities will be evaluated and coordinated as needed throughout the year to ensure compliance with the permit requirements. Completed activities will be documented as needed by the Township for reporting purposes during submission of the Township's annual Stormwater Report and Certification process.

For additional details on the Township's Local Public Education Program, sample brochures and letters to be distributed see Appendix 3 of this report.

SPPP Form 5 - Storm Drain Inlet Labeling

Municipality Information	Municipality: <u>Hillsborough Township</u> County: <u>Somerset</u>
	NJPDES #: <u>NJG_0153231</u> PI ID #: <u>202007</u>
	Team Member/Title: <u>Richard Resavy, Director of Public Works</u>
	Effective Date of Permit Authorization (EDPA): <u>01/01/2018</u>
	Date of Completion: <u>June 2009</u> Date of most recent update: <u>February 2020</u>

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.

In prior permitting cycles, the Township identified approximately 2,000 drainage structures that required labeling. Since then, labeling of all existing Township owned storm drain inlets and catch basins has been completed. This includes all inlets along sidewalks that are adjacent to Township streets and inlets within plazas, parking areas or maintenance yards operated by the Township. Labels used include the plastic round markers. New inlets and catch basins are replaced with castings already marked in accordance with NJDEP requirements.

Personnel from the Township's Department of Public Work conduct periodic inspection and maintenance of installed inlet markers during their day to day activities. Existing markers are checked to ensure they are visible and firmly attached to the inlet/catch basin head or casting. If replacement is needed, the work is scheduled and coordinated as needed.

Work logs for day to day activities conducted are maintained separately by the Township's Department of Public Works.

SPPP Form 6 - MS4 Outfall Pipe Mapping

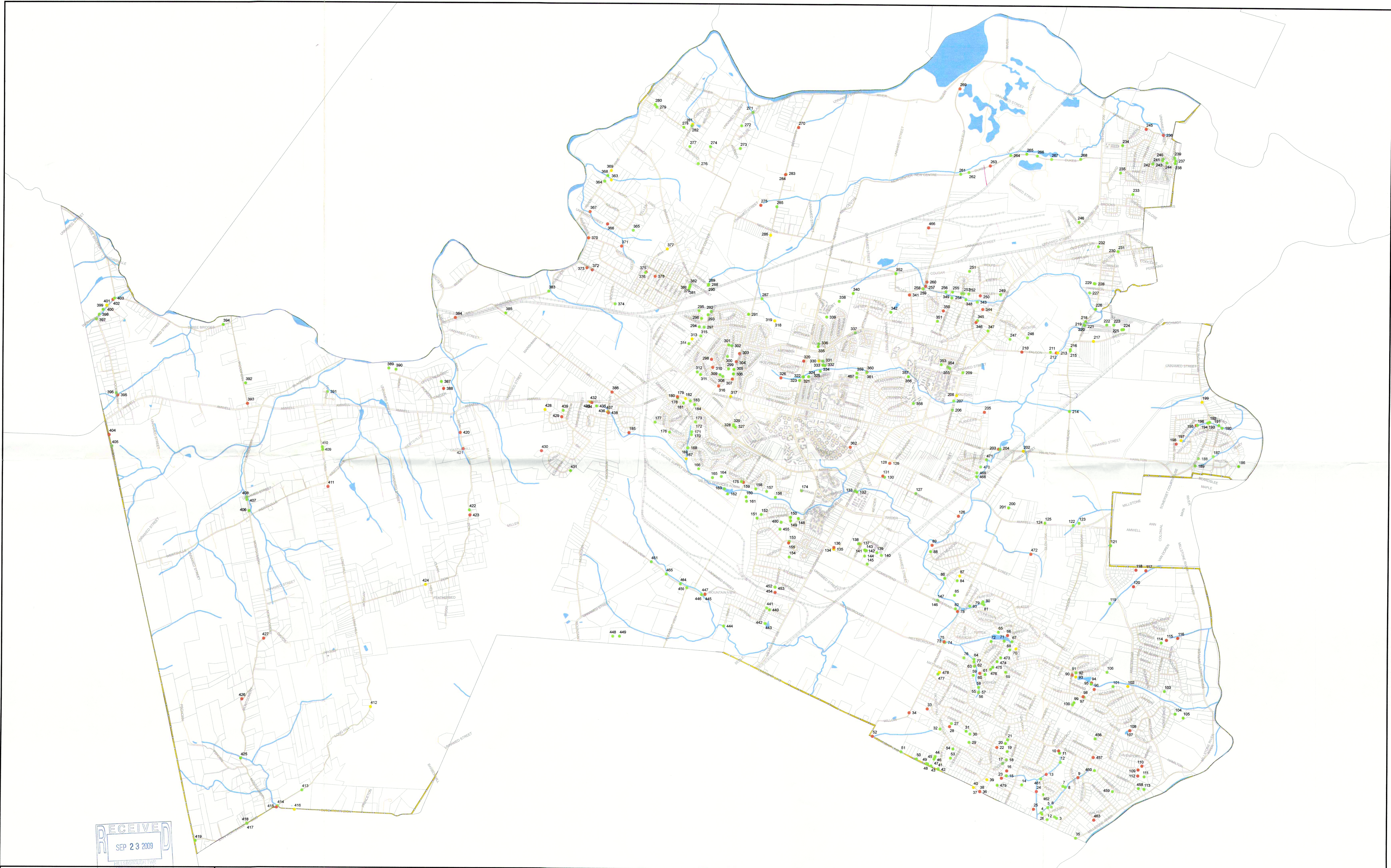
Municipality Information	Municipality: <u>Hillsborough Township</u> County: <u>Somerset</u>
	NJPDES #: <u>NJG_0153231</u> PI ID #: <u>202007</u>
	Team Member/Title: <u>Thomas Belanger, C.E.T., Assistant Township Engineer</u>
	Effective Date of Permit Authorization (EDPA): <u>01/01/2018</u>
	Date of Completion: <u>June 2009</u> Date of most recent update: <u>February 2020</u>

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.)?

Hillsborough Township retained the services of Maser Consulting to develop a digital map outlining the location of outfall pipes operated by the Township. Utilizing GPS technology approximately 500 outfalls were identified and mapped with unique alpha numeric identifiers. All streams, rivers and other waterbodies receiving outfall pipe discharges were also identified on the digital map. The original mapping effort was completed in 2007 and last revised in September 2009.

A PDF copy of the outfall map was provided to the NJDEP in accordance with permit requirements. The Township is in the process of coordinating follow up outfall inspections and the map will be updated as needed to account for new outfalls, if any. Continued updating of the map will be completed periodically by the Township or its representatives when necessary.

A copy of the current outfall map is provided in Appendix 4 of this report.



RECEIVED
SEP 23 2009
HILLSBOROUGH TWP
NEW JERSEY

NOTES

THIS MAP WAS DEVELOPED USING NJDEP AND SOMERSET COUNTY GIS DIGITAL DATA. THIS SECONDARY PRODUCT HAS NOT BEEN VERIFIED BY THE NJDEP AND IS NOT STATE AUTHORIZED.
OUTFALLS WERE TESTED FOR DRY WEATHER FLOW BY WAITING AT LEAST 72 HOURS AFTER A RAIN STORM TO SEE IF THERE WAS WATER FLOW THROUGH THE OUTFALL.
SOME OUTFALLS WERE MARKED AS UNSURE FOR DRY FLOW. THESE OUTFALLS WERE EITHER SUBMERGED OR PARTIALLY SUBMERGED AND DID NOT SHOW EVIDENCE OF MOVING WATER. DURING THESE INSTANCES UPSTREAM FLOW WAS TESTED.

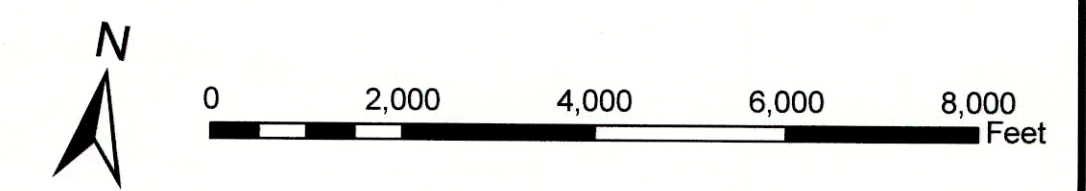
OUTFALL INSPECTION MAP

BASED ON
DRY WEATHER FLOW

TOWNSHIP OF HILLSBOROUGH SOMERSET COUNTY NEW JERSEY

LEGEND

- | | |
|---------------------------------------|-----------|
| OUTFALLS | PARCELS |
| ● OUTFALLS WITH DRY WEATHER FLOW | ROADS |
| ● OUTFALLS WITHOUT DRY WEATHER FLOW | LAKE |
| ● OUTFALLS UNSURE OF DRY WEATHER FLOW | STREAMS |
| — MUNICIPAL BOUNDARY | RAILROADS |



SEPTEMBER 2009

SPPP Form 7 - Illicit Connection Elimination Program

Municipality Information	Municipality: <u>Hillsborough Township</u> County: <u>Somerset</u>
	NJPDES #: <u>NJG 0153231</u> PI ID #: <u>202007</u>
	Team Member/Title: <u>Richard Resavy, Director of Public Works</u>
	Effective Date of Permit Authorization (EDPA): <u>01/01/2018</u>
Date of Completion: <u>June 2009</u> Date of most recent update: <u>February 2020</u>	

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.

Hillsborough Township has developed an ongoing Illicit Connection Elimination Program to conduct physical inspections of all identified MS4 outfalls in accordance with their MS4 General Permit. As part of this process, each outfall was initially inspected in prior permit cycles for signs of dry weather flow and scouring.

Township personnel and/or their representatives will continue to inspect their outfalls a minimum of once every 5 years as required by the current permit renewal. To comply with this requirement, the Township is in the process of coordinating follow up inspections of all its outfalls for signs of dry weather flow and scouring. MS4 outfall pipes found to have evidence of dry weather flow (72 hours following a rainfall event) or evidence of an intermittent non-stormwater flow will be further inspected and, if necessary, re-inspected to locate the source of the illicit connection. The inspection and re-inspection process will be performed in strict compliance with the General Permit requirements. If the Township is able to locate the illicit connection and the connection is within the Township boundary, the responsible party will be cited for violation of the Illicit Connection Ordinance, and ordered to eliminate the illicit connection within six (6) months of its discovery. If, after the appropriate amount of investigation, the location of the source cannot be identified, a Closeout investigation Form will be submitted along with the Township's Annual Inspection and Recertification. If an illicit connection is found to originate from another public entity, the Township will report the illicit connection to the Department.

Reports of illegal dumping and signs of spills will be directed to personnel from the Department of Public Works as necessary.

Illicit Connection Inspection Report Form

Municipality
Information

Municipality: _____ County _____

NJPDES # : _____ PI ID #: _____

Team Member: _____

Date _____ Effective Date of Permit Authorization (EDPA): _____

Outfall #: _____ Location: _____

Receiving Waterbody: _____

1. Is there a dry weather flow? Y () N ()

2. If "YES", what is the outfall flow estimate? _____ gpm
(flow sample should be kept for further testing, and this form will need to be submitted with the Annual Report and Certification)

3. Are there any indications of an intermittent flow? Y () N ()

4. If you answered "**NO**" to BOTH questions #1 and #3, there is probably not an illicit connection and you can skip to question #7.

(NOTE: This form **does not** need to be submitted to the Department but should be kept with your SPPP.)

If you answered "**YES**" to either question, please continue on to question #5.

(NOTE: This form will need to be submitted to the Department with the Annual Report and Certification.)

5. PHYSICAL OBSERVATIONS:

(a) **ODOR:**

(b) **COLOR:**

(c) **TURBIDITY:**

FLOATABLES:

(e) **DEPOSITS/STAINS:**

VEGETATION CONDITIONS:

(g) **DAMAGE TO OUTFALL STRUCTURES:**

IDENTIFY STRUCTURE:

DAMAGE:

6. ANALYSES OF OUTFALL FLOW SAMPLE:

* field calibrate instruments in accordance with manufacturer's instructions prior to testing.

(a) **DETERGENTS:** _____ mg/L

(if sample is greater than 0.06 mg/L, the sample is contaminated with detergents [which may be from sanitary wastewater or other sources]. Further testing is required, and this outfall should be given the highest priority.)

(if the sample is not greater than 0.06 mg/L and it does not show physical characteristics of sanitary wastewater [e.g., odor, floatables, and/or color] it is unlikely that it is from sanitary wastewater sources, yet there may still be an illicit connection of industrial wastewater, rinse water, backwash or cooling water. Skip to question #6c.)

(b) AMMONIA (as N) TO POTASSIUM RATIO: _____

(if the Ammonia to Potassium Ratio is greater than 0.6:1, then it is likely that the pollutant is sanitary sewage)

(if the Ammonia to Potassium Ratio is less than or equal to 0.6:1, then the pollutant is from another washwater source.)

(c) FLUORIDE: _____ mg/L

(if the fluoride levels are between 1.0 and 2.5 mg/L, then the flow is most likely from fluoride treated potable water.)

(if the sample tests below a detection limit of 0.1 mg/L for fluoride, it is likely to be from groundwater infiltration, springs or streams. In some cases, however, it is possible that the discharge could originate from an onsite well used for industrial cooling water, which will test non-detect for both detergents and fluoride. To differentiate between these cooling water discharges and groundwater infiltration, you will have to rely on temperature.)

(d) TEMPERATURE: _____ °F

(if the temperature of the sample is over 70°F, it is most likely cooling water)

(if the temperature of the sample is under 70°F, it is most likely from ground water infiltration)

7. Is there a suspected illicit connection? Y () N ()

If **"YES"**, what is the suspected source? _____

If **"NO"**, skip to signature block on the bottom of this form.

8. Has the investigation of the suspected illicit connection been completed?

Y () N ()

If **"YES"**, proceed to question #9.

If **"NO"**, skip to signature block on the bottom of this form.

9. Was the source of the illicit connection found? Y () N ()

If **"YES"**, identify the source. _____

What plan of action will follow to eliminate the illicit connection? Resolution:

If **"NO"**, complete the Closeout Investigation Form and attach it to this Illicit here is a dry weather flow or evidence of an intermittent flow, be sure to include this form with your Annual Report and Certification.

Inspector's Name: _____

Title: _____

Signature: _____ Date: _____

If there is a dry weather flow or evidence of an intermittent flow, be sure to include this form with your Annual Report and Certification.

If there is not a dry weather flow or evidence of an intermittent flow, this form should be retained with your SPPP.

Closeout Investigation Form

Municipality
Information

Municipality: _____ County _____

NJPDES # : **NJG**_PI ID #: _____

Team Member / Title: _____

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.

SPPP Form 8 - Illicit Connection Records

Municipality Information	Municipality: <u>Hillsborough Township</u> County: <u>Somerset</u>
	NJPDES #: <u>NJG_0153231</u> PI ID #: <u>202007</u>
	Team Member/Title: <u>Richard Resavy, Director of Public Works</u>
	Effective Date of Permit Authorization (EDPA): <u>01/01/2018</u>
	Date of Completion: <u>June 2009</u> Date of most recent update: <u>February 2020</u>

January 1, 2018 – December 31, 2018

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? _____

January 1, 2019 – December 31, 2019

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? _____

January 1, 2020 – December 31, 2020

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? _____

January 1, 2021 – December 31, 2021

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 Collection/Ordinance Program

Municipality Information	Municipality: <u>Hillsborough Township</u> County: <u>Somerset</u>
	NJPDES #: NJG <u>0153231</u> PI ID #: <u>202007</u>
	Team Member/Title: <u>Richard Resavy, Director of Public Works</u>
	Effective Date of Permit Authorization (EDPA): <u>01/01/2018</u>
	Date of Completion: <u>June 2009</u> Date of most recent update: <u>February 2020</u>

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.

The Township has an established brush and leaf collection and drop off system with procedures and regulations in general conformance with the permit renewal. A copy of the program, as well as, program regulations and other information is available on the Township's website and provided in Appendix 5.

Yard waste and leaf collection is conducted each year starting in November through the end of December of that year. The Township is divided into four quadrants. Township personnel conduct a minimum of two (2) passes throughout each quadrant. Weekly updates and schedules are provided on the Township website during curbside pickup season.

Leaves are collected using a vacuum truck. Residents are required to rake leaves to the curb or street right-of-way prior to crews arriving onsite. Leaves can also be placed in homemade bins with stakes and wire fence to contain the area (no higher than 36 inches at the curb). Leaves must be kept away from gutters, drain pipes and inlets. Rocks, sticks, brush and other objects are not permitted.

During the off-season, grass and leaves can be dropped off the 3rd Friday of every month from January through December at the Auten Road facility. No brush, yard waste or debris is accepted at the drop off location. Grass and leaves can be bagged but they must be dumped at the drop off site. No bags are allowed to remain.

The Township also has an established Brush Program that allows residents the opportunity to dispose of yard clean-up brush at the Auten Road site. Residents must be registered through the Township. Drop offs are permitted 2 days a month between April and October of each year.

SPPP Form 10 - Ordinances

Municipality Information	Municipality: <u>Hillsborough Township</u> County: <u>Somerset</u> NJPDES #: <u>NJG_0153231</u> PI ID #: <u>202007</u> Team Member/Title: <u>Anthony Ferrera, Township Administrator</u> Effective Date of Permit Authorization (EDPA): <u>01/01/2018</u> Date of Completion: <u>June 2009</u> Date of most recent update: <u>February 2020</u>
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For each ordinance, give the date of adoption. If not yet adopted, explain the development status:

Pet Waste Adopted on 10/11/2005

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

The pet waste brochure is made available year-round and will be distributed to Township residents renewing their pet licenses.

Litter Adopted on 10/11/2005

Improper Waste Disposal Adopted on 10/11/2005

Wildlife Feeding Adopted on 10/11/2005

Yard Waste Adopted on 10/11/2005

Illicit Connections Adopted on 10/11/2005

Private Storm Drain Retrofitting Adopted on 12/08/2009

Refuse Containers and Dumpsters Adopted on 12/08/2009

How will these ordinances be enforced?

The Township's Police Department, Health Department and/or Code Officials will enforce these ordinances where applicable. Violations are outlined in the "Violations and Penalty" section of each ordinance.

Any complaints received by the DPW relating to a community wide ordinance will be investigated as necessary and forwarded to the Township Police Department as necessary.

Records of violations issued will be maintained by the Township and reported as needed to the NJDEP in the Township's Annual Inspection and Recertification Report.

SPPP Form 11 – Storm Drain Inlet Retrofitting

Municipality Information	Municipality: <u>Hillsborough Township</u> County: <u>Somerset</u>
	NJPDES #: <u>NJG 0153231</u> PI ID #: <u>202007</u>
	Team Member/Title: <u>Richard Resavy, Director of Public Works</u>
	Effective Date of Permit Authorization (EDPA): <u>01/01/2018</u>
	Date of Completion: <u>June 2009</u> Date of most recent update: <u>February 2020</u>

What type of storm drain inlet design will generally be used for retrofitting?

The Township will utilize NJDEP compliant inlet curb pieces and NJDOT bicycle safe grates as manufactured by Campbell Foundry or equal in conformance to permit requirements.

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:

The Township's Engineering Department and/or its representatives will maintain a list of Capital Improvements Projects and the number of inlets and/or catch basins being replaced as part of those projects. Quantities will be reported annually in the Township's Annual Inspection and Recertification Report. No exemptions have currently been requested. In the event one is needed, documentation will be provided in accordance with NJDEP requirements.

SPPP Form 12 – Street Sweeping and Road Erosion Control Maintenance

Municipality Information	Municipality: <u>Hillsborough Township</u> County: <u>Somerset</u> NJPDES #: <u>NJG 0153231</u> PI ID #: <u>202007</u> Team Member/Title: <u>Richard Resavy, Director of Public Works</u> Effective Date of Permit Authorization (EDPA): <u>01/01/2018</u> Date of Completion: <u>June 2009</u> Date of most recent update: <u>February 2020</u>
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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.)

The Township has an established street sweeping program that includes sweeping of all curbed streets between the months of April and November weather permitting. Sweeping is conducted by the Township DPW Department. Spoils collected are temporarily dumped at the Auten Road facility in a 3-sided concrete wall bin with a paved floor. Spoils are disposed at the end of the street sweeping season offsite by third party contractors.

See Appendix 6 for detailed description of the Township's street sweeping program. Records of the sweepings collected/disposed and the dates are maintained by the Public Works Department.

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)

The Township DPW monitor its streets for signs of road erosion problems during the execution of their day to day maintenance activities. Any identified road erosion problems are reported to the Public Works Department.

Identified areas of erosion are reviewed and repairs prioritized. Maintenance personnel are assigned areas of concern and identified erosion areas repaired in accordance with the New Jersey Standards for Soil Erosion and Sediment Control. The Township will maintain records of street inspections conducted, as well as, a list of repairs and the dates they were completed where applicable.

SPPP Form 13 – Stormwater Facility Maintenance

Municipality Information	Municipality: <u>Hillsborough Township</u> County: <u>Somerset</u>
	NJPDES #: <u>NJG 0153231</u> PI ID #: <u>202007</u>
	Team Member/Title: <u>Richard Resavy, Director of Public Works</u>
	Effective Date of Permit Authorization (EDPA): <u>01/01/2018</u>
	Date of Completion: <u>June 2009</u> Date of most recent update: <u>February 2020</u>

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

The Township DPW continues to conduct their annual inspection of inlets and catch basins, which includes inspecting of approximately 25% of existing catch basins each year. Catch basins in need of cleaning are reported back and the work is scheduled accordingly. Material collected from these catch basins are dumped in with the street sweeping spoils at the Auten Road facility and disposed offsite at the end of the street sweeping season.

Records are maintained by the Township's Public Works and reported to the NJDEP as part of the Township's Annual Inspection and Recertification Report.

See Appendix 6 for additional information.

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.)

The Township will continue to maintain its existing stormwater system maintenance program to ensure systems are functioning properly. Presently, the Township owns and operates several thousand storm drains/inlets, approximately 500 outfalls and 30 detention basins. Private detention basins are monitored as necessary to ensure compliance with permit requirements. Publicly owned facilities are maintained on a regular basis throughout the year and on an as needed basis in high risk areas by the Township's Public Works Department.

See Appendix 6 for a detailed description of the Township's stormwater facility maintenance program. Records of inspection and routine maintenance and/or repairs are kept by the Township's Public Works Department.

SPPP Form 14 - Outfall Pipe Stream Scouring Remediation

Municipality Information	Municipality: <u>Hillsborough Township</u> County: <u>Somerset</u>
	NJPDES #: NJG <u>0153231</u> PI ID #: <u>202007</u>
	Team Member/Title: <u>Richard Resavy, Director of Public Works</u>
	Effective Date of Permit Authorization (EDPA): <u>01/01/2018</u>
	Date of Completion: <u>June 2009</u> Date of most recent update: <u>February 2020</u>

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.)

As stated in Form 7, the Township, with assistance from its consultants, will conduct ongoing outfall investigations to identify sign of stream bank scouring in accordance with the Township MS4 General Permit.

The Township, in accordance with the 2018 permit renewal requirements, will continue to conduct scouring inspections of their outfalls once every 5 years. Outfall pipes showing signs of scouring will be reported to the Department of Public Works. These outfalls will be evaluated to determine if additional rehabilitation, repair or replacement is necessary. Based on the condition of the outfall, they will be prioritized for rehabilitation and/or repair in accordance with the Standards for Soil Erosion and Sediment Control in New Jersey. Repairs and/or rehabilitation work that does not require NJDEP permits will be prioritized first.

All repairs will be followed with annual inspections to ensure that the scouring has not resumed.

Records of all inspection, maintenance and/or rehabilitation/repairs conducted will be kept by the Township's Public Works Department.

SPPP Form 15 - De-icing Material Storage

Municipality Information	Municipality: <u>Hillsborough Township</u> County: <u>Somerset</u>
	NJPDES #: <u>NJG_0153231</u> PI ID #: <u>202007</u>
	Team Member/Title: <u>Richard Resavy, Director of Public Works</u>
	Effective Date of Permit Authorization (EDPA): <u>01/01/2018</u>
	Date of Completion: <u>June 2009</u> Date of most recent update: <u>February 2020</u>

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.

Salt is stored at the Township's DPW facility. The Township owns and operates two separate storage facility. The first is a 550 ton salt dome that is constructed on an impermeable paved floor with no door. The second is a 2,800 ton salt barn also constructed on an impermeable paved floor with a door that is shut during the off-season. Salt is pushed back into both structures when not in use and the surrounding area is swept as needed during the winter season.

The Township also maintains three (3) 3,000 gallon salt brine poly tanks that are stored outside in the DPW yard located adjacent to the salt dome. The nearby area is cutoff from vehicular traffic and spill kits are available nearby.

Lastly, the Township also utilizes sand as part of their de-icing process. Sand is partially stored outdoors near the salt dome and in an adjacent covered building for use during the peak winter season. Stored sand is maintained on flat areas away from the existing DPW drainage system.

Routine maintenance and inspection of the de-icing material storage structures and/or areas are conducted as needed throughout the year.

SPPP Form 16 – Standard Operating Procedures

Municipality Information	Municipality: <u>Hillsborough Township</u> County: <u>Somerset</u> NJPDES #: <u>NJG 0153231</u> PI ID #: <u>202007</u> Team Member/Title: <u>Richard Resavy, Director of Public Works</u> Effective Date of Permit Authorization (EDPA): <u>01/01/2018</u> Date of Completion: <u>June 2009</u> Date of most recent update: <u>February 2020</u>	
BMP	Date SOP went into effect	Describe your inspection schedule
Fueling Operations (including the required practices listed in Attachment D of the permit)	N/A	No fueling operations are conducted onsite. Township vehicles are fueled offsite at commercial facilities or at the County facility.
Vehicle Maintenance (including the required practices listed in Attachment D of the permit)	April 2005 Rev. 2/2020	Monthly inspections are conducted to ensure that the SOP is being met. See Appendix 7 for a copy of SOP.
Vehicle Washing	N/A	No vehicle washing is conducted onsite. Rinsing of salt/deicing vehicles is conducted after salt is swept off vehicles. Township utilizes commercial facilities if necessary.
Good Housekeeping Practices (including the required practices listed in Attachment D of the permit) Attach inventory list required by Attachment D of the permit.	April 2005 Rev. 2/2020	Indoor/outdoor storage areas, containers and surrounding areas around the DPW will be inspected on a monthly basis. Records will be maintained. See Appendix 7 for a copy of SOP. *SEE APPENDIX 7 FOR A COPY OF THE DPW FACILITIES INVENTORY LIST REQUIRED BY THE PERMIT RENEWAL.

HILLSBOROUGH TOWNSHIP

STANDARD OPERATING PROCEDURES

TITLE	REVISION NO.
Vehicle Maintenance	000

DESCRIPTION:

This Standard Operating Procedure (SOP) contains the basic vehicle maintenance practices to be implemented at the Township's maintenance yards including maintenance areas at ancillary operations.

PURPOSE:

This SOP provides a set of guidelines for Hillsborough Township's vehicle maintenance for its maintenance yards and ancillary operations' maintenance areas.

STANDARDS AND SPECIFICATIONS:

Vehicle Maintenance

1. Conduct all vehicle maintenance only in designated areas.
2. When possible perform vehicle/equipment maintenance indoors or on paved floors.
3. Always use drip pans.
4. Absorbent spill clean-up materials shall be available in all maintenance areas. Material shall be properly disposed of after use.
5. Protect maintenance areas from both stormwater runoff and stormwater run-on. Areas should be located 50 feet downstream of any drainage facility or watercourse.
6. Use portable tents or construct a roofing-device over long-term maintenance areas and for projects that must be performed outdoors.
7. Do not dump or dispose of oils, grease, fluids, and lubricants on the ground.
8. Do not dump or dispose batteries, used oils, antifreeze or other toxic fluids into a storm drain, inlet or watercourse.
9. Do not bury or burn tires.
10. Collect waste fluids in properly labeled containers and dispose properly.

Spill Response and Reporting

1. Provide spill containment dikes or secondary containment around stored oils and other fluid storage drum(s).
2. Conduct clean-up of and spill(s) immediately after discovery.
3. Spills are to be cleaned-up using dry cleaning methods only. Spills shall be cleaned up with dry, adsorbent material (e.g. kitty litter, sawdust, etc.) and the rest of the area is to be swept.
4. Collected waste is to be disposed of properly.

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HILLSBOROUGH TOWNSHIP

STANDARD OPERATING PROCEDURES

5. For Environmental Emergencies Hazardous Materials spills:
 - Level 1: Contact the Hillsborough Police Department at (908) 369-4323.
 - Level 2: Contact Somerset County Health Department (908) 231-7155.
Contact NJDEP at (877) WARN DEP or (877) 927-6337.

Maintenance and Inspection

1. Periodically check for leaks and damaged equipment and make necessary repairs.

HILLSBOROUGH TOWNSHIP

STANDARD OPERATING PROCEDURES

TITLE	REVISION NO.
Good Housekeeping Practices	000

DESCRIPTION:

This Standard Operating Procedure (SOP) contains the basic good housekeeping practices to be implemented at the Township maintenance yards including maintenance areas at ancillary operations.

PURPOSE:

This SOP provides a set of guidelines for the Hillsborough Township's employees to implement Good Housekeeping Practices for its maintenance yards and ancillary operations' maintenance areas.

STANDARDS AND SPECIFICATIONS:

General

1. All containers should be properly marked and labeled. Labels should be clean and legible.
2. Keep all containers in good condition and sealed tightly when they are not in use.
3. Keep all chemicals, fluids, and supplies indoors.
4. Containers stored outdoors must be covered and placed on spill containment platforms.
5. Keep storage areas clean and organized.
6. Keep spill kits and drip pans near any liquid transfer areas. Keep them protected from rain.
7. Absorbent spill clean-up materials must be available in maintenance areas and must be properly disposed of after spills.
8. All trash, dirt, and other debris must be placed in the dumpster.
9. Collect waste fluids in properly labeled containers and dispose of them properly.
10. Maintain the recycling program by disposing of bottles, cans, paper, and trash in their designated containers.
11. Sweep and clean garages and yard once per week.

Salt and De-icing Material Handling

1. Prevent or minimize spills during salt or de-icing material loading and unloading. If salt or de-icing materials are spilled, remove the materials using dry cleaning methods. All collected materials shall be either reused or properly discarded.

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HILLSBOROUGH TOWNSHIP

STANDARD OPERATING PROCEDURES

2. Inspect, sweep and clean area once per week to remove dirt and debris. Sweep area immediately following loading and unloading operations, when practical.
3. Minimize tracking material from the storage and loading areas.
4. Minimize the distance salt or de-icing materials are transported during loading and unloading activities
5. Tarp any materials stored outside when they are not in use.
6. If interim seasonal tarping is used, de-icing materials may only be store outside between October 15th and April 30th.

Recycling/Drop-Off Center

1. Clean area once per week to remove debris. Clean area immediately following loading and unloading operations, when practical.
2. All trash, and other debris must be placed in the dumpster.
3. Collect waste fluids in labeled containers and dispose of them properly.

Spill Response and Reporting

1. Conduct clean-up of and spill(s) immediately after discovery.
2. Spills are to be cleaned-up using dry cleaning methods only.
3. For Environmental Emergencies Hazardous Materials spills:
 - Level 1: Contact the Hillsborough Police Department at (908) 369-4323.
 - Level 2: Contact Somerset County Health Department (908) 231-7155.
 - Contact NJDEP at (877) WARN DEP or (877) 927-6337.

Maintenance and Inspection

1. Check for leaks and damaged equipment, periodically. Make repairs as necessary.
2. Perform monthly inspections of all storage areas and containers, both in and outdoors.
3. Perform overall facility inspection and maintenance annually.

Hillsborough Township Source Material Inventory

Potential Source Material & Source Operations	Recommendation / Action Taken	Addressed in Which SOP?
Sand	<ul style="list-style-type: none"> • Stored outdoors and under an open shed structure; kept away from storm drain system. 	Good Housekeeping
Salt	<ul style="list-style-type: none"> • Stored under permanent cover in salt dome and salt shed. • Regularly inspect structures for damage. • Sweep loose salt into salt structures. 	Good Housekeeping
Drums	<ul style="list-style-type: none"> • Ensure all drums are properly labeled. • Dispose of empty/unused drums. • Correctly store drums, covered and on spill platforms. 	Good Housekeeping
Dumpsters	<ul style="list-style-type: none"> • Keep lids closed when not in use. 	Good Housekeeping
Lead Acid Batteries Used Tires	<ul style="list-style-type: none"> • Should be covered from rain and elevated where feasible. • Maintain storage of tires in area dedicated to scrap tire storage. 	Vehicle Maintenance; Good Housekeeping
Spare & Scrap Vehicle & Equipment Parts	<ul style="list-style-type: none"> • When ever possible all spare parts should be stored inside. • Dispose of all unnecessary scrap parts properly. • All greased parts or parts containing petroleum products should be stored on a spill platform and covered from precipitation. 	Good Housekeeping
Waste Oil Storage	<ul style="list-style-type: none"> • Any waste oil storage area, if outside, should be covered from rain. • Routine inspections should be conducted to keep area free from drips & spills. 	Good Housekeeping; Vehicle Maintenance
Misc. Household Hazardous Wastes	<ul style="list-style-type: none"> • Should be source separated. • Should be covered from rain and elevated, where necessary. • Liquids should be stored on spill pallets. 	Good Housekeeping
Leaves and Other Yard Waste	<ul style="list-style-type: none"> • Be placed on ground not susceptible to seasonal flooding. • Be placed and stored in piles that avoid stormwater run-on and leachate run-off. 	Good Housekeeping
Aggregate Material, Soil, Stone & Constr. Debris Storage	<ul style="list-style-type: none"> • Should be bermed as necessary to minimize stormwater run-on and aggregate run-off. • Outdoor storage of topsoil, millings & processed aggregate must be 50' away from inlets/waterbodies. 	Good Housekeeping
Street Sweepings & Catch Basin Cleaning Materials	<ul style="list-style-type: none"> • Should be stored on an impervious surface and bermed as necessary to avoid stormwater run-on and leachate run-off. 	Good Housekeeping

SPPP Form 16 – Yard Operations (Cont'd)

Municipality Information	Municipality: <u>Hillsborough Township</u> County: <u>Somerset</u> NJPDES #: <u>NJG_0153231</u> PI ID #: <u>202007</u> Team Member/Title: <u>Richard Resavy, Director of Public Works</u> Effective Date of Permit Authorization (EDPA): <u>01/01/2018</u> Date of Completion: <u>June 2009</u> Date of most recent update: <u>February 2020</u>
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Maintenance Yard Operations

Aggregate Material and Construction Debris Storage	<p>Aggregate and construction materials are stored at both the Township's DPW facility and the Auten Road facility. Majority of the materials are stored outdoors; however, both facilities are flat level and storage areas are located in areas where there is no existing drainage systems and/or perimeters are bermed to eliminate stormwater runoff.</p> <p>See Appendix 7 for additional information.</p>
Street Sweepings, Catch Basin Clean Out, and Other Material Storage	<p>Street sweeping and catch basin clean out spoils are temporarily stored in a 3-sided bin at the Township's Auten Road facility. At the end of the street sweeping season, spoils collected are disposed offsite by a third-party vendor. The Auten Road facility is flat level and its perimeter bermed to eliminate stormwater runoff.</p> <p>See Appendix 7 for additional information.</p>
Yard Trimmings and Wood Waste Management Sites that are owned and operated by the Tier A Municipality	<p>Yard trimming and brush are temporarily stored at the Township's Auten Road facility which serves as the municipality's drop off center. Brush is ground up by third party vendors twice a year. All trimming and yard waste material is disposed offsite. The Auten Road facility is flat level and its perimeter bermed to eliminate stormwater runoff.</p> <p>See Appendix 7 for additional information.</p>
Roadside Vegetation Management	<p>No roadside vegetation is conducted by Township personnel.</p> <p>See Appendix 7 for additional information.</p>

SPPP Form 17 - Employee Training

Municipality Information	Municipality: <u>Hillsborough Township</u> County: <u>Somerset</u> NJPDES #: <u>NJG_0153231</u> PI ID #: <u>202007</u> Team Member/Title: <u>Richard Resavy, Director of Public Works</u> Effective Date of Permit Authorization (EDPA): <u>01/01/2018</u> Date of Completion: <u>June 2009</u> Date of most recent update: <u>February 2020</u>
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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.

The Township's Employee Training Program will be broken down into four (4) phases. Phase 1 will include training to be undertaken by the Township's Board Members and Governing Bodies. Phase 2 will include training requirements for Township representatives responsible for overseeing the reviews of development and redevelopment applications. Phase 3 will include topics that will be covered on an annual basis with applicable employees. Phase 4 will include those topics that will be covered every two (2) years with applicable employees. Records of all training sessions scheduled for Phase 2 and Phase 3 will be maintained by the Township's DPW Department. Training will be conducted either through webinars, video training and/or field training where necessary.

Attendance for Phase 3 and 4 of the employee training program will be recorded and maintained by the Township's DPW Department for future reporting in the Township's Annual Inspection and Recertification Report, where applicable.

Phase 1 – Municipal Board and Governing Body Members

Township Board and Governing Body Members that review and approve applications for development and redevelopment projects complete one of the NJDEP's "Training Tools" under their Post Construction Stormwater Management website. Copies of the training presentation can be found at <https://www.nj.gov/dep/stormwater/training.html>. Township Board and Governing Body members will provide the Township with confirmation that the training has been conducted for input in the Township's Annual Inspection and Recertification Report where applicable.

Phase 2 – Development/Redevelopment Application Reviewer Training

All Township employees and/or representatives that review development and redevelopment projects for the Township must complete an NJDEP approved training either offered by NJDEP or other training agency. Training must be renewed every 5 years in compliance with the permit renewal requirements. Applicable Township representatives will provide the Township with confirmation that the training has been conducted for input in the Township's Annual Inspection and Recertification Report where applicable.

SPPP Form 17 - Employee Training (Continued)

Municipality Information	Municipality: <u>Hillsborough Township</u> County: <u>Somerset</u>
	NJPDES #: <u>NJG_0153231</u> PI ID #: <u>202007</u>
	Team Member/Title: <u>Richard Resavy, Director of Public Works</u>
	Effective Date of Permit Authorization (EDPA): <u>01/01/2018</u>
	Date of Completion: <u>June 2009</u> Date of most recent update: <u>February 2020</u>

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.

Phase 3 – Annual Employee Training Program

Maintenance Yard Operations	Public Works employees & other users as appropriate
STW Facility Maintenance Program	Public Works employees
General SPPP	Public Works employees

Phase 4 – Bi-Annual Employee Training Program

Improper Waste Disposal Education	Code Enforcement Officer & Public Works Employees
Municipal Ordinances	Code Enforcement Officer, Public Works Employees, Police Dept.
Yard Waste Collection Program	Public Works employees
Street Sweeping Program	Public Works employees
Outfall Pipe Stream Scouring	
Remediation	Public Works employees
Illicit Connection Elimination and	
Outfall Pipe Mapping	Public Works employees
Construction Activity/Post Construction	
Stormwater Management in New	
Development & Redevelopment	Public Works employees & Code Enforcement Officer

The illicit connection elimination training may include field training on procedures to properly conduct outfall inspections for illicit connections, follow-up investigation and procedures for elimination of the illicit connection for new employees. The maintenance yard operations training may include field training on the standard operating procedures for fueling, vehicle maintenance and good housekeeping practices.

As necessary, the Township will evaluate alternative training tools to optimize the training program. Alternative training tools may include the use of informational CD's provided by EJIF or through formal training seminars offered by Rutgers Cooperative Extension. Links to training sources can be found at <https://www.njstormwater.org/training.htm>.

SPPP Form 18 – TMDL Info

Municipality Information

Municipality: Hillsborough Township County: Somerset
 NJPDES #: NJG_0153231 PI ID #: 202007
 Team Member/Title: Thomas Belanger, C.E.T., Assistant Township Engineer
 Effective Date of Permit Authorization (EDPA): 01/01/2018
 Date of Completion: June 2009 Date of most recent update: February 2020

Using the Total Maximum Daily Load (TMDL) reports provided on the NJDEP website, list adopted TMDLs for the municipality, parameters addressed, and affected waters bodies impacted. Describe how you will use the TMDL information to prioritize stormwater facilities maintenance projects and to address specific sources of stormwater pollutants.

Applicable Stream TMDLs:

- *TMDL for Fecal Coliform to Address 48 Streams in the Raritan Water Region*
 Fecal Coliform - 2003: Back Brook, Pike Run, Bedens Brook
 Fecal Coliform - 2003: Millstone R, Simonson Bk, Ten Mile Run
 Fecal Coliform - 2003: Raritan R downstream of Green Bk/Bound Bk, includes Cuckels Bk, Dukes Bk, Middle Bk
 Fecal Coliform - 2003: S Br Raritan River, Assiscong Ck
- *TMDL for Fecal Coliform to Address 3 Streams in the Raritan Water Region*
 Fecal Coliform - 2005: Rock Brook
- *TMDL for Mercury Impairments Based on Concentrations in Fish Tissue Caused Mainly by Air Deposition to Address 122 HUC 14s Statewide*
 Mercury - 2010: Millstone R (Blackwells Mills to Beden Bk)
 Mercury - 2010: Millstone R (Amwell Rd to Blackwells Mills)
 Mercury - 2010: Millstone River (below Amwell Rd)
 Mercury - 2010: Raritan R Lwr (Millstone to Rt 206)
 Mercury - 2010: Raritan R Lwr (Rt 206 to NB / SB)
 Mercury - 2010: Raritan R SB (NB to Pleasant Run)
 Mercury - 2010: Raritan R SB (Pleasant Run-Three Bridges)
- *TMDL for the Non-Tidal Raritan River Basin Addressing Total Phosphorus, Dissolved Oxygen, pH and Total Suspended Solids Impairments*
 Total Phosphorus - 2016: Cruser Brook / Roaring Brook
 Total Phosphorus - 2016: Neshanic River (below Black Brook)
 Total Phosphorus - 2016: Pike Run (above Cruser Brook)
 Total Phosphorus - 2016: Pike Run (below Cruser Brook)
 Total Phosphorus - 2016: Raritan R Lwr (Millstone to Rt 206)
 Total Phosphorus - 2016: Raritan R Lwr (Rt 206 to NB / SB)
 Total Phosphorus - 2016: Raritan R SB (NB to Pleasant Run)
 Total Phosphorus - 2016: Raritan R SB (Pleasant Run-Three Bridges)
 Total Phosphorus - 2016: Rock Brook (above Camp Meeting Ave)
 Total Suspended Solids - 2016: Cruser Brook / Roaring Brook

SPPP Form 18 – TMDL Info (Cont'd)

Municipality Information

Municipality: Hillsborough Township County: Somerset
 NJPDES #: NJG 0153231 PI ID #: 202007
 Team Member/Title: Thomas Belanger, C.E.T., Assistant Township Engineer
 Effective Date of Permit Authorization (EDPA): 01/01/2018
 Date of Completion: June 2009 Date of most recent update: February 2020

• *TMDL for the Non-Tidal Raritan River Basin Addressing Total Phosphorus, Dissolved Oxygen, pH and Total Suspended Solids Impairments (Continued)*

Total Suspended Solids - 2016: Millstone R (Blackwells Mills to Beden Bk)
 Total Suspended Solids - 2016: Millstone R (Amwell Rd to Blackwells Mills)
 Total Suspended Solids - 2016: Millstone River (below Amwell Rd)
 Total Suspended Solids - 2016: Neshanic River (below Black Brook)
 Total Suspended Solids - 2016: Pike Run (above Cruiser Brook)
 Total Suspended Solids - 2016: Pike Run (below Cruiser Brook)
 Total Suspended Solids - 2016: Raritan R Lwr (Millstone to Rt 206)
 Total Suspended Solids - 2016: Raritan R Lwr (Rt 206 to NB / SB)
 Total Suspended Solids - 2016: Raritan R SB (NB to Pleasant Run)
 Total Suspended Solids - 2016: Raritan R SB (Pleasant Run-Three Bridges)
 Total Suspended Solids - 2016: Rock Brook (above Camp Meeting Ave)
 Total Suspended Solids - 2016: Royce Brook (above Branch Royce Brook)
 Total Suspended Solids - 2016: Royce Brook (below/incl Branch Royce Bk)

Based on a review of the NJDEP database there are four main TMDL reports issued for streams located within or adjacent to Township boundary limits. The referenced TMDL reports outline various impacts within the above noted waterbodies from fecal coliform, mercury contamination through air disposition, total phosphorus and total suspended solids.

Implementation recommendations were reviewed and several short term management strategies have already been implemented including the "Restoring Our Rivers" initiative in WMA 8, future development of a Regional Stormwater Management Plan for the Sourland Mountain Watershed in WMA 8 and WMA 10, and initiation of the "Rain Barrel" program. Long term management strategies are also being incorporated by Township personnel through the implementation and continued compliance of the Phase II Stormwater Program requirements, including adoption of the necessary pet waste, wildlife feeding and other community wide ordinances. The Township is also already in the process of actively inspecting and cleaning their stormwater infrastructure as needed in conformance to the MS4 permit requirements for street sweeping, catch basin cleaning and outfall inspection and they meet or exceed the minimum annual requirements where necessary. Lastly, the Township's Local Public Education is being evaluated to determine what additional education material can be provided to area residents and businesses with respect to goose management, mercury contamination, wildlife feeding impacts and other topics relevant to the TMDL listed at future events.