Tier A Municipal Stormwater Regulation Program

Stormwater Pollution Prevention Team Members

Number of team members may vary.

Completed by: *Doran Engineering, P.A.*
Title: *Municipal Engineer*
Date: *February 2006*
Municipality: *City of Northfield*
County: *Atlantic*
NJPDES #: NJG*0141852*
PI ID #: *50577*

Stormwater Program Coordinator: *Qwin Vitale*
Title: *Superintendent of Public Works*
Office Phone #: *(609) 641-7610*
Emergency Phone #: *SAME*

Public Notice Coordinator: *Mary Canesi*
Title: *City Clerk*
Office Phone #: *(609) 641-2832*
Emergency Phone #: *SAME*

Post-Construction Stormwater Management Coordinator: *Rami Nassar*
Title: *Municipal Engineer*
Office Phone #: *609-625-7400 x 105*
Emergency Phone #: *SAME*

Local Public Education Coordinator: *Mary Canesi*
Title: *City Clerk*
Office Phone #: *609-641-2832*
Emergency Phone #: *SAME*

Ordinance Coordinator: *Mary Canesi*
Title: *City Clerk*
Office Phone #: *(609) 641-2832*
Emergency Phone #: *SAME*

Public Works Coordinator: *Qwin Vitale*
Title: *Superintendent of Public Works*
Office Phone #: *(609) 641-7610*
Emergency Phone #: *SAME*

Employee Training Coordinator: *Qwin Vitale*
Title: *Superintendent of Public Works*
Office Phone #: *(609) 641-7610*
Emergency Phone #: *SAME*

Other: ____
Title: ____
Office Phone #: ____
Emergency Phone #: ____

SPPP Form 2 - Public Notice

Municipality Information

Municipality: *City of Northfield* County: *Atlantic*

NJPDES # : NJG*NJ0141852* PI ID #:*50577*

Team Member/Title:*Carol Raph, City Clerk*

Effective Date of Permit Authorization (EDPA):*March 2004*

Date of Completion: *February 2006* Date of most recent update: 06/13/11

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," NJ..S.A. 10:4-6 et seq.) The City of Northfield provides public notice in a manner that complies with the requirements of that Act. Also, in regard to the passage of ordinances, the City of Northfield 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.) The City of Northfield complies with those requirements.

SPPP Form 3 – New Development and Redevelopment Program

Municipality Information

Municipality: *City of Northfield* County: *Atlantic*

NJPDES # : NJG*NJ0141852* PI ID #: *50577*

Team Member/Title: *Matthew F. Doran, Municipal Engineer*

Effective Date of Permit Authorization (EDPA): *March 2004*

Date of Completion: ____ Date of most recent update: ~~*April 2007*~~ 7/9/2010

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.

To control stormwater from new development and redevelopment projects throughout the City of Northfield (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 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.

Since the EDPA, the City of Northfield has not constructed any new development or redevelopment projects on City property. If we decide to construct such a project before our municipal stormwater control ordinance takes effect, we will ensure adequate long-term operation and maintenance of BMPs 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 that 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.

The City has adopted a Municipal Stormwater Management Plan and a municipal stormwater ordinance will be prepared in the same manner. We will meet with county planning agency staff to discuss the draft ordinance.

*Submitted to county for Approval on 1/1/2010; County Failed to act w/in 60 days, considered approved

SPPP Form 4- Local Public Education Program

Municipality Information

Municipality: *City of Northfield* County *Atlantic*

NJPDES # :*NJ0141852* PI ID #: *50577*

Team Member/Title: *Jeffrey L. Bruckler, City Administrator*

Effective Date of Permit Authorization (EDPA): *March 2004*

Date of Completion: *February 2006* 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 mail the DEP brochure to our residents and businesses. The brochure will be distributed in January with our township newsletter. Extra copies will be available at our county library and at our municipal building. The City will also display environmental messages related to the required BMP topics on the local public TV channel.

Our annual event will be held in coordination with the Northfield Night Out. We will make the DEP brochure and other educational materials available at our table. We will also distribute items with environmental messages related to the required BMP topics. In addition, we will invite our high school environmental club, local watershed group, and other environmentalgroups to set up their own booths during this event.

Northfield is aware of the 10 point system and selects activities annually accordingly.

SPPP Form 5 – Storm Drain Inlet Labeling

Municipality Information

Municipality: *City of Northfield* County *Atlantic*

NJPDES # : *NJ0141852* PI ID #: *50577*

Team Member/Title: *Jim Clark, Superintendent of DPW*

Effective Date of Permit Authorization (EDPA): *March 2004*

Date of Completion: *February 2006* Date of most recent update: *April 2007*

Storm Drain Inlet Labeling

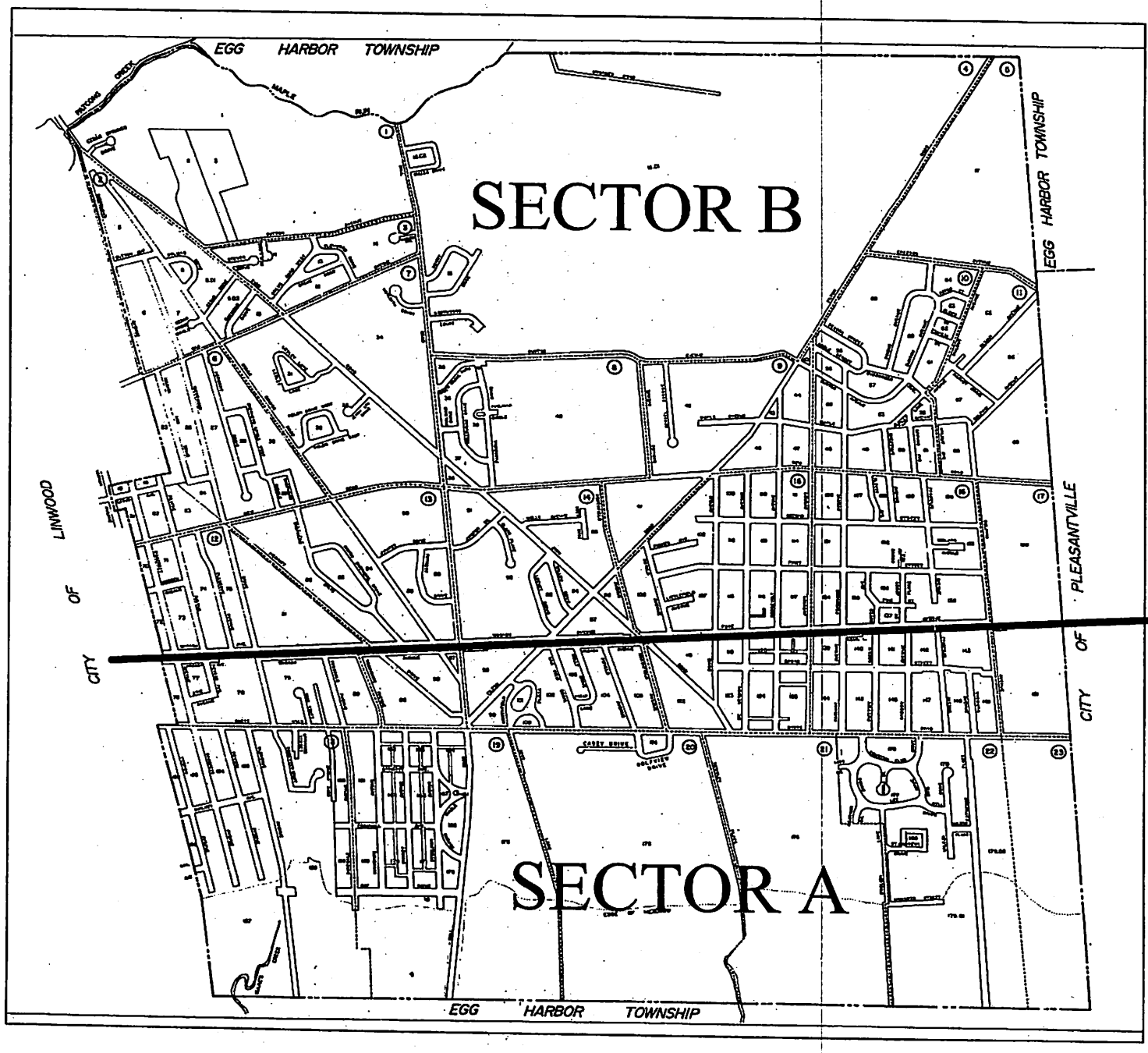
Describe your storm drain inlet labeling program, including your labeling schedule, the details of your long-term maintenance plan, and plans on coordinating with watershed groups or other volunteer organizations.

The Public Works Dept. will epoxy an emblem on all storm drain inlets that are along municipal streets with sidewalks, and all storm drain inlets within plazas, parking areas, or maintenance yards that are operated by the City of Northfield. The following map divides the City of Northfield into two sectors. Sector A is the area east of the Bike Path and Sector B is the area west of the Bike Lane. Labeling of Sector A will be completed by March 2007 and SectorB will be completed by March 2009.

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

All inlets are labeled and any found missing are replaced.

CITY OF NORTHFIELD, ATLANTIC COUNTY



SPPP Form 6 – MS4 Outfall Pipe Mapping

Municipality Information

Municipality: *City of Northfield* County *Atlantic*

NJPDES # : *NJ0141852* PI ID #: *50577*

Team Member/Title: *Matthew F. Doran, Municipal Engineer*

Effective Date of Permit Authorization (EDPA): *March 2004*

Date of Completion: *February 2006* 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.)?

Northfield has 17 outfalls and a copy of the map is available upon request.

SPPP Form 7 – Illicit Connection Elimination Program

Municipality Information

Municipality: *City of Northfield* County *Atlantic*

NJPDES # : *NJ0141852* PI ID #: *50577*

Team Member/Title: *Jim Clark, Superintendent of DPW*

Effective Date of Permit Authorization (EDPA): *March 2004*

Date of Completion: *February 2006* Date of most recent update: *April 2007*

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.

The City's Street Department will perform the illicit connection investigation during the Fall 2006 when the groundwater table is lower and the weather is more favorable. Investigating during peak water usage and dry weather conditions will produce the most effective results.

Investigations will be performed after seven consecutive days of dry weather. Due to the City's proximity to mean sea level, the investigation of dry weather flow at the outfall pipes in tidal areas will be performed during mean low water. Investigating dry weather flow at outfall pipes that are below mean low water will be performed at the closest upstream manhole that is above mean low water.

The City will use the NJDEP 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 the City will cite the responsible party for being in violation of the Illicit Connection Ordinance and the connection will be eliminated immediately. If, after the appropriate amount of investigation, the City is unable to locate the source of the illicit connection, the City will submit the Closeout Investigation Form with its Annual Inspection and Recertification.

Northfield investigated all 17 outfalls and no illicit connections were found. Northfield continues to investigate any complaints.

SPPP Form 8 – Illicit Connection Records

Municipality Information

Municipality: *City of Northfield* County *Atlantic*

NJPDES # : *NJ0141852* PI ID #: *50577*

Team Member/Title: *Jim Clark, Superintendent of DPW*

Effective Date of Permit Authorization (EDPA): *March 2004*

Date of Completion: *February 2006* 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? *17*

Number of outfalls found to have a dry weather flow? *0*

Number of outfalls found to have an illicit connection? *0*

How many illicit connections were eliminated? *N/A*

Of the illicit connections found, how many remain? *N/A*

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? ____

Illicit Connection Inspection Report Form

Municipality Information

Municipality: *City of Northfield* County *Atlantic*

NJPDES # : *NJ0141852* PI ID #: *50577*

Team Member: *Jim Clark, Superintendent of DPW*

Date *February 2006* Effective Date of Permit Authorization (EDPA): *March 2004*

Outfall #: 1 Location: EAST OAKCREST NEAR #130

Receiving Waterbody: MARSH - WET LANDS

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:** none ____

(b) **COLOR:** none ____

(c) **TURBIDITY:** none

(d) **FLOATABLES:** none ____

(e) **DEPOSITS/STAINS:** none ____

(f) **VEGETATION CONDITIONS:** normal

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

IDENTIFY STRUCTURE: ____

DAMAGE: none ____

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.)

XX

(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 Connection Inspection Report Form.

Inspector's Name: James Clark

Title: P.W. manager

Signature: _____

Date: 9/11/06

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.

Illicit Connection Inspection Report Form

Municipality Information

Municipality: *City of Northfield* County *Atlantic*

NJPDES # : *NJ0141852* PI ID #: *50577*

Team Member: *Jim Clark, Superintendent of DPW*

Date *February 2006* Effective Date of Permit Authorization (EDPA): *March 2004*

Outfall #: 2 Location: EAST GLENCOVE AVE. NEAR #103

Receiving Waterbody: MARSH - WETLANDS

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:** none ____

(b) **COLOR:** none ____

(c) **TURBIDITY:** none

(d) **FLOATABLES:** none ____

(e) **DEPOSITS/STAINS:** none ____

(f) **VEGETATION CONDITIONS:** normal

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

IDENTIFY STRUCTURE: ____

DAMAGE: none ____

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.)

HTL

(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 Connection Inspection Report Form.

Inspector's Name: JAMES CLARK
Title: P.W. Manager
Signature: James J Clark
Date: 9/11/06

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.

Illicit Connection Inspection Report Form

Municipality Information

Municipality: *City of Northfield* County *Atlantic*

NJPDES # : *NJ0141852* PI ID #: *50577*

Team Member: *Jim Clark, Superintendent of DPW*

Date *February 2006* Effective Date of Permit Authorization (EDPA): *March 2004*

Outfall #: 3 Location: RIDGEWOOD COURT NEAR #16

Receiving Waterbody: N/A

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:** none ____

(b) **COLOR:** none ____

(c) **TURBIDITY:** none

(d) **FLOATABLES:** none ____

(e) **DEPOSITS/STAINS:** none ____

(f) **VEGETATION CONDITIONS:** normal

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

IDENTIFY STRUCTURE: ____

DAMAGE: none ____

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.)

2 of 3

(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 Connection Inspection Report Form.

Inspector's Name: James Clark
Title: Public Works Manager
Signature: _____
Date: 9/11/06

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.

Illicit Connection Inspection Report Form

Municipality Information

Municipality: *City of Northfield* County *Atlantic*

NJPDES # : *NJ0141852* PI ID #: *50577*

Team Member: *Jim Clark, Superintendent of DPW*

Date *February 2006* Effective Date of Permit Authorization (EDPA): *March 2004*

Outfall #: 4 Location: EAST ROSEDALE AVE. NEAR 300

Receiving Waterbody: MARSH - BAY

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:** none ____

(b) **COLOR:** none ____

(c) **TURBIDITY:** none

(d) **FLOATABLES:** none ____

(e) **DEPOSITS/STAINS:** none ____

(f) **VEGETATION CONDITIONS:** normal

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

IDENTIFY STRUCTURE: ____

DAMAGE: none ____

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.)

ST - 1

(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 Connection Inspection Report Form.

Inspector's Name: James CLARK
Title: Public Works MANAGER
Signature: James L. Clark
Date: 5/11/06

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.

Illicit Connection Inspection Report Form

Municipality Information

Municipality: *City of Northfield* County *Atlantic*

NJPDES # : *NJ0141852* PI ID #: *50577*

Team Member: *Jim Clark, Superintendent of DPW*

Date *February 2006* Effective Date of Permit Authorization (EDPA): *March 2004*

Outfall #: 5 Location: HEMSLEY PLACE

Receiving Waterbody: DRAINS TO MARSH COULD NOT FIND OUTFALL AT MANHOLE

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:** none ____

(b) **COLOR:** none ____

(c) **TURBIDITY:** none

(d) **FLOATABLES:** none ____

(e) **DEPOSITS/STAINS:** none ____

(f) **VEGETATION CONDITIONS:** normal

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

IDENTIFY STRUCTURE: ____

DAMAGE: none ____

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 Connection Inspection Report Form.

Inspector's Name: James Clark

Title: Public Works Manager

Signature: _____

Date: 9/11/08

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.

Illicit Connection Inspection Report Form

Municipality Information

Municipality: *City of Northfield* County *Atlantic*

NJPDES # :*NJ0141852* PI ID #: *50577*

Team Member: *Jim Clark, Superintendent of DPW*

Date *February 2006* Effective Date of Permit Authorization (EDPA): *March 2004*

Outfall #: 6 Location: SAINT ANDREWS DRIVE NEAR #5

Receiving Waterbody: POND

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:** none ____

(b) **COLOR:** none ____

(c) **TURBIDITY:** none

(d) **FLOATABLES:** none ____

(e) **DEPOSITS/STAINS:** none ____

(f) **VEGETATION CONDITIONS:** normal

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

IDENTIFY STRUCTURE: ____

DAMAGE: none ____

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 Connection Inspection Report Form.

Inspector's Name: James Clark
Title: Public Works Manager
Signature: _____
Date: 9/11/08

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.

Illicit Connection Inspection Report Form

Municipality Information

Municipality: *City of Northfield* County *Atlantic*

NJPDES # : *NJ0141852* PI ID #: *50577*

Team Member: *Jim Clark, Superintendent of DPW*

Date *February 2006* Effective Date of Permit Authorization (EDPA): *March 2004*

Outfall #: 7 Location: ST. ANDREWS DRIVE NEAR #10

Receiving Waterbody: POND

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:** none ____

(b) **COLOR:** none ____

(c) **TURBIDITY:** none

(d) **FLOATABLES:** none ____

(e) **DEPOSITS/STAINS:** none ____

(f) **VEGETATION CONDITIONS:** normal

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

IDENTIFY STRUCTURE: ____

DAMAGE: none ____

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.)

7 1

(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 Connection Inspection Report Form.

Inspector's Name: James Clark
Title: Public Works Manager
Signature: James J Clark
Date: 9/11/06

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.

Illicit Connection Inspection Report Form

Municipality Information

Municipality: *City of Northfield* County *Atlantic*

NJPDES # : *NJ0141852* PI ID #: *50577*

Team Member: *Jim Clark, Superintendent of DPW*

Date *February 2006* Effective Date of Permit Authorization (EDPA): *March 2004*

Outfall #: 8 Location: English LANE AT ST. ANDREWS DRIVE

Receiving Waterbody: MARSH - BAY

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:** none ____

(b) **COLOR:** none ____

(c) **TURBIDITY:** none

(d) **FLOATABLES:** none ____

(e) **DEPOSITS/STAINS:** none ____

(f) **VEGETATION CONDITIONS:** normal

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

IDENTIFY STRUCTURE: ____

DAMAGE: none ____

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.)

JKV

(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 Connection Inspection Report Form.

Inspector's Name: James Clark
Title: Public Works Manager
Signature: James J Clark
Date: 9/11/06

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.

Illicit Connection Inspection Report Form

Municipality Information

Municipality: *City of Northfield* County *Atlantic*

NJPDES # : *NJ0141852* PI ID #: *50577*

Team Member: *Jim Clark, Superintendent of DPW*

Date *February 2006* Effective Date of Permit Authorization (EDPA): *March 2004*

Outfall #: 9 Location: MAZZA DRIVE NEAR #6

Receiving Waterbody: STREAM

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:** none ____

(b) **COLOR:** none ____

(c) **TURBIDITY:** none

(d) **FLOATABLES:** none ____

(e) **DEPOSITS/STAINS:** none ____

(f) **VEGETATION CONDITIONS:** normal

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

IDENTIFY STRUCTURE: ____

DAMAGE: none ____

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.)

#4

(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 Connection Inspection Report Form.

Inspector's Name: James Clark
Title: Public Works Manager
Signature: James Clark
Date: 9/13/06

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.

Illicit Connection Inspection Report Form

Municipality Information

Municipality: *City of Northfield* County *Atlantic*

NJPDES # : *NJ0141852* PI ID #: *50577*

Team Member: *Jim Clark, Superintendent of DPW*

Date *February 2006* Effective Date of Permit Authorization (EDPA): *March 2004*

Outfall #: 10 Location: Henry Drive Near 21

Receiving Waterbody: LAKE

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:** none ____

(b) **COLOR:** none ____

(c) **TURBIDITY:** none

(d) **FLOATABLES:** none ____

(e) **DEPOSITS/STAINS:** none ____

(f) **VEGETATION CONDITIONS:** normal

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

IDENTIFY STRUCTURE: ____

DAMAGE: none ____

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.)

+ IV

(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 Connection Inspection Report Form.

Inspector's Name: James Clark
Title: Public Works Manager
Signature: _____
Date: 9/13/06

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.

Illicit Connection Inspection Report Form

Municipality Information

Municipality: *City of Northfield* County *Atlantic*

NJPDES # : *NJ0141852* PI ID #: *50577*

Team Member: *Jim Clark, Superintendent of DPW*

Date *February 2006* Effective Date of Permit Authorization (EDPA): *March 2004*

Outfall #: 11 Location: HAVIV DRIVE NEAR #3

Receiving Waterbody: Detention AREA to Stream overflow

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:** none ____

(b) **COLOR:** none ____

(c) **TURBIDITY:** none

(d) **FLOATABLES:** none ____

(e) **DEPOSITS/STAINS:** none ____

(f) **VEGETATION CONDITIONS:** normal

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

IDENTIFY STRUCTURE: ____

DAMAGE: none ____

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.)

#11

(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 Connection Inspection Report Form.

Inspector's Name: James Clark

Title: Public Works Manager

Signature: James J Clark

Date: 9/13/06

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.

Illicit Connection Inspection Report Form

Municipality Information

Municipality: *City of Northfield* County *Atlantic*

NJPDES # :*NJ0141852* PI ID #: *50577*

Team Member: *Jim Clark, Superintendent of DPW*

Date *February 2006* Effective Date of Permit Authorization (EDPA): *March 2004*

Outfall #: 12 Location: Julie Drive near #15

Receiving Waterbody: Detention Pond

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:** none ____

(b) **COLOR:** none ____

(c) **TURBIDITY:** none

(d) **FLOATABLES:** none ____

(e) **DEPOSITS/STAINS:** none ____

(f) **VEGETATION CONDITIONS:** normal

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

IDENTIFY STRUCTURE: ____

DAMAGE: none ____

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 Connection Inspection Report Form.

Inspector's Name: James Clark
Title: Public Works Manager
Signature: [signature]
Date: 9/13/06

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.

Illicit Connection Inspection Report Form

Municipality Information

Municipality: *City of Northfield* County *Atlantic*

NJPDES # : *NJ0141852* PI ID #: *50577*

Team Member: *Jim Clark, Superintendent of DPW*

Date *February 2006* Effective Date of Permit Authorization (EDPA): *March 2004*

Outfall #: 13 Location: Dani Drive near #3

Receiving Waterbody: Detention POND

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:** none ____

(b) **COLOR:** none ____

(c) **TURBIDITY:** none

(d) **FLOATABLES:** none ____

(e) **DEPOSITS/STAINS:** none ____

(f) **VEGETATION CONDITIONS:** normal

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

IDENTIFY STRUCTURE: ____

DAMAGE: none ____

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.)

#12

(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 Connection Inspection Report Form.

Inspector's Name: James Clark
Title: Public Works Manager
Signature: James Clark
Date: 9/13/06

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.

Illicit Connection Inspection Report Form

Municipality Information

Municipality: *City of Northfield* County *Atlantic*

NJPDES # : *NJ0141852* PI ID #: *50577*

Team Member: *Jim Clark, Superintendent of DPW*

Date *February 2006* Effective Date of Permit Authorization (EDPA): *March 2004*

Outfall #: 14 Location: Sutton Avenue near #2140

Receiving Waterbody: Detention Pond

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:** none ____

(b) **COLOR:** none ____

(c) **TURBIDITY:** none

(d) **FLOATABLES:** none ____

(e) **DEPOSITS/STAINS:** none ____

(f) **VEGETATION CONDITIONS:** normal

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

IDENTIFY STRUCTURE: ____

DAMAGE: none ____

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.)

#14

(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 Connection Inspection Report Form.

Inspector's Name: James Clark
Title: Public Works Manager
Signature: James J Clark
Date: 9/13/06

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.

Illicit Connection Inspection Report Form

Municipality Information

Municipality: *City of Northfield* County *Atlantic*

NJPDES # : *NJ0141852* PI ID #: *50577*

Team Member: *Jim Clark, Superintendent of DPW*

Date *February 2006* Effective Date of Permit Authorization (EDPA): *March 2004*

Outfall #: 15 Location: RAINA DRIVE NEAR #2

Receiving Waterbody: Detention Pond

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:** none ____

(b) **COLOR:** none ____

(c) **TURBIDITY:** none

(d) **FLOATABLES:** none ____

(e) **DEPOSITS/STAINS:** none ____

(f) **VEGETATION CONDITIONS:** normal

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

IDENTIFY STRUCTURE: ____

DAMAGE: none ____

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.)

#15

(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 Connection Inspection Report Form.

Inspector's Name: James Clark
Title: Public Works Manager
Signature: James J Clark
Date: 9/15/06

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.

Illicit Connection Inspection Report Form

Municipality Information

Municipality: *City of Northfield* County *Atlantic*

NJPDES # : *NJ0141852* PI ID #: *50577*

Team Member: *Jim Clark, Superintendent of DPW*

Date *February 2006* Effective Date of Permit Authorization (EDPA): *March 2004*

Outfall #: 10 Location: Philmar DRIVE NEAR 701 PASEDENA DRIVE

Receiving Waterbody: SWALE TO LAKE

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:** none ____

(b) **COLOR:** none ____

(c) **TURBIDITY:** none

(d) **FLOATABLES:** none ____

(e) **DEPOSITS/STAINS:** none ____

(f) **VEGETATION CONDITIONS:** normal

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

IDENTIFY STRUCTURE: ____

DAMAGE: none ____

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 Connection Inspection Report Form.

Inspector's Name: James Clark

Title: Public Works Manager

Signature: _____

Date: 9/13/07

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.

Illicit Connection Inspection Report Form

Municipality Information

Municipality: *City of Northfield* County *Atlantic*

NJPDES # : *NJ0141852* PI ID #: *50577*

Team Member: *Jim Clark, Superintendent of DPW*

Date *February 2006* Effective Date of Permit Authorization (EDPA): *March 2004*

Outfall #: 17 Location: Banning + Burton Ave.

Receiving Waterbody: SWALE TO LAKE

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:** none ____

(b) **COLOR:** none ____

(c) **TURBIDITY:** none

(d) **FLOATABLES:** none ____

(e) **DEPOSITS/STAINS:** none ____

(f) **VEGETATION CONDITIONS:** normal

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

IDENTIFY STRUCTURE: ____

DAMAGE: none ____

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 Connection Inspection Report Form.

Inspector's Name: James Clark

Title: Public Works Manager

Signature: James Clark

Date: 9/13/06

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.

City of Northfield, NJ
Friday, August 2, 2013

Chapter 315. SOLID WASTE

Article I. Recycling

§ 315-6. Leaves and grass.

[Amended 9-9-2008 by Ord. No. 11-2008]

A. All persons within the municipality shall separate leaves and grass from other solid waste generated at their premises and, unless the leaves are stored or recycled for composting or mulching on the premises, place the containerized leaves and grass at their curb according to the recycling date and guidelines established by the collection service program known as the "Atlantic County Utilities Authority (ACUA)."

B. Leaves and grass may be placed in: biodegradable leaf bags for easier handling, bags that can be composted, bags that are treated to resist moisture, or place leaves and grass in labeled yard waste trash cans. Plastic bags are a prohibited use.

C. All commercial lawn services will dispose of leaves collected within the municipality at a designated and permitted composting facility within Atlantic County and submit the total amount collected in the prior calendar year.

SPPP Form 9 – Yard Waste Ordinance/Collection Program

Municipality Information

Municipality: *City of Northfield* County *Atlantic*

NJPDES # : *NJ0141852* PI ID #: *50577*

Team Member/Title: *Jim Clark, Superintendent of DPW*

Effective Date of Permit Authorization (EDPA): *March 2004*

Date of Completion: *February 2006* Date of most recent update: *April 2007*

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 City has entered into a contract with the Atlantic County Utilities Authority (ACUA) to collect residential yard waste on a weekly basis.

SPPP Form 9 – Yard Waste Ordinance/Collection Program

Municipality Information

Municipality: *City of Northfield* County *Atlantic*

NJPDES # :*NJ0141852* PI ID #: *50577*

Team Member/Title: *Jim Clark, Superintendent of DPW*

Effective Date of Permit Authorization (EDPA):*March 2004*

Date of Completion: *February 2006* Date of most recent update: *April 2007*

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 City has entered into a contract with the Atlantic County Utilities Authority (ACUA) to collect residential yard waste on a weekly basis.

SPPP Form 10 - Ordinances

Municipality Information

Municipality: *City of Northfield* County *Atlantic*

NJPDES # : *NJ0141852* PI ID #: *50577*

Team Member/Title: *Carol Raph, City Clerk*

Effective Date of Permit Authorization (EDPA): *March 2004*

Date of Completion: *February 2006* Date of most recent update: ____

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

Pet Waste *Sept. 1, 1992*

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

Litter *Sept. 1, 1992*

Improper Waste Disposal *July 7, 1981*

Wildlife Feeding *March 5, 2002*

Yard Waste *Sept. 4, 1990*

Illicit Connections *Aug. 16, 1977*

private storm drain inlet retrofitting 9/28/2010

regulating refuse container/dumpster usage 9/28/2010

How will these ordinances be enforced?

The primary official of the City of Northfield responsible for the enforcement of these Ordinances is the Zoning Officer, who should be notified by those citizens who believe that a violation of the terms of these Ordinances may exist.

Any responsible official of the City of Northfield, including those normally designated to exercise the police power on behalf of the City of Northfield, including but not limitted to employees and agents of the Police Department, Fire Department, Board of Health, Zoning Department, Construction Code Department, or any other enforcement agency of the City of Northfield is authorized and empowered to exercise the powers necessary to enforce the provisions of these Ordinances.

Officials responsible for enforcement of the terms and conditions of these Ordinances are entitled to exercise their discretion in determining the existance of any violation or in determining whether to seek any combination of fines and penalties provided for violation of these Ordinances should be imposed or to use other means of enforcement including persuasion or issuance of warnings.

Nothing shall prevent a citizen, home owner, or other interested person from acting as a complaining witness in the Municipal Court of Northfield or such other court having jurisdiction to enforce these Ordinances.

ORDINANCE NO. 12-2010

PRIVATE STORM DRAIN INLET RETROFITTING

SECTION I. Purpose:

An ordinance requiring the retrofitting of existing storm drain inlets which are in direct contact with repaving, repairing, reconstruction, or resurfacing or alterations of facilities on private property, to prevent the discharge of solids and floatables (such as plastic bottles, cans, food wrappers and other litter) to the municipal separate storm sewer system(s) operated by the City of Northfield so as to protect public health, safety and welfare, and to prescribe penalties for the failure to comply.

SECTION II. Definitions:

For the purpose of this ordinance, the following terms, phrases, words, and their derivations shall have the meanings stated herein unless their use in the text of this Chapter clearly demonstrates a different meaning. When not inconsistent with the context, words used in the present tense include the future, words used in the plural number include the singular number, and words used in the singular number include the plural number. The word "shall" is always mandatory and not merely directory.

a. Municipal separate storm sewer system (MS4) - a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, manmade channels, or storm drains) that is owned or operated by the City of Northfield or other public body, and is designed and used for collecting and conveying stormwater.

b. Person - any individual, corporation, company, partnership, firm, association, or political subdivision of this State subject to municipal jurisdiction.

c. Storm drain inlet- an opening in a storm drain used to collect stormwater runoff and Includes, but is not limited to, a grate inlet, curb-opening inlet, slotted inlet, and combination inlet

d. Waters of the State - means the ocean and its estuaries, all springs, streams and bodies of surface or ground water, whether natural or artificial, within the boundaries of the State of New Jersey or subject to its jurisdiction.

SECTION III. Prohibited Conduct:

No person in control of private property (except a residential lot with one single family house) shall authorize the repaving, repairing (excluding the repair of individual

potholes), resurfacing (including top coating or chip sealing with asphalt emulsion or a thin base of hot bitumen), reconstructing or altering any surface that is in direct contact with an existing storm drain inlet on that property unless the storm drain inlet either:

1, Already meets the design standard below to control passage of solid and floatable materials; or

2. Is retrofitted or replaced to meet the standard in Section IV below prior to the completion of the project.

SECTION IV. Design Standard:

Storm drain inlets identified in Section III above shall comply with the following standard to control passage of solid and floatable materials through storm drain inlets. For purposes of this paragraph, "solid and floatable materials" means sediment, debris, trash, and other floating, suspended, or settleable solids. For exemptions to this standard see Section V.3 below.

1. 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:

   a. 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); or

   b. 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.

   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.

2. 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.

3. This standard does not apply:

   a. Where the municipal engineer agrees that this standard would cause inadequate hydraulic performance that could not practicably be overcome by using additional or larger storm drain inlets that meet these standards;

   b. Where flows are conveyed through any device (e.g., end of pipe netting facility, manufactured treatment device, or a catch basin hood) that is designed, at a minimum, to prevent delivery of all solid and floatable materials that could not pass through one of the following:

      1. A rectangular space four and five-eighths inches long and one and one-half inches wide (this option does not apply for outfall netting facilities); or

      2. A bar screen having a bar spacing of 0.5 inches.

   c. Where flows are conveyed through a trash rack that has parallel bars with one-inch (1") spacing between the bars; or

   d. Where the New Jersey Department of Environmental Protection determines, pursuant to the New Jersey Register of Historic Places Rules at N.JAC. 7:4-7.2(c), that action to meet this standard is an undertaking that constitutes an encroachment or will damage or destroy the New Jersey Register listed historic property.

SECTION V. Enforcement:

This ordinance shall be enforced by the Code Enforcement Officer of the City of Northfield

SECTION VI. Penalties:

Any person(s) who is found to be in violation of the provisions of this ordinance shall be subject to a fine not to exceed $100.00 per day for each storm drain inlet that is not retrofitted to meet the design standard.

SECTION VII. Severability:

Each section, subsection, sentence, clause and phrase of this Ordinance is declared to be an independent section, subsection, sentence, clause and phrase, and the finding or holding of any such portion of this Ordinance to be unconstitutional, void, or

ineffective for any cause, or reason, shall not affect any other portion of this Ordinance.

SECTION VIII. Effective date:

This Ordinance shall be in full force and effect from and after its adoption and any publication as may be required by law.

Vincent Mazzeo, Mayor

Mary Canesi, RMC, Municipal Clerk

The above Ordinance was introduced and passed on its first reading at a regular meeting of the Council of the City of Northfield, New Jersey held on September 14, 2010, and was taken up for a second reading, public hearing and final passage at a meeting of said Council held on September 28, 2010 in Council Chambers, City Hall, Northfield, New Jersey.

FIRST READING:	September 14, 2010
PUBLICATION:	September 18, 2010
SECOND READING:	September 28, 2010
PUBLICATION:	October 2, 2010

Aye: Kern, Martinez, O'Grady, Perri, Smith, Vain, Carew
Nay:
Abstain:
Absent:

ORDINANCE NO. 13-2010

AN ORDINANCE REGULATING CERTAIN ASPECTS OF REFUSE CONTAINER / DUMPSTER USAGE

SECTION I. Purpose:

An ordinance requiring dumpsters and other refuse containers that are outdoors or exposed to stormwater to be covered at all times and prohibits the spilling, dumping, leaking, or otherwise discharge of liquids, semi-liquids or solids from the containers to the municipal separate storm sewer system(s) operated by the City of Northfield and/or the waters of the State so as to protect public health, safety and welfare, and to prescribe penalties for the failure to comply.

SECTION II. Definitions:

For the purpose of this ordinance, the following terms, phrases, words, and their derivations shall have the meanings stated herein unless their use in the text of this Chapter clearly demonstrates a different meaning. When not inconsistent with the context, words used in the present tense include the future, words used in the plural number include the singular number, and words used in the singular number include the plural number. The word "shall" is always mandatory and not merely directory.

a. Municipal separate storm sewer system (MS4) - a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, manmade channels, or storm drains) that is owned or operated by the City of Northfield or other public body, and is designed and used for collecting and conveying stormwater.

b. Person - any individual, corporation, company, partnership, firm, association, or political subdivision of this State subject to municipal jurisdiction.

c. Refuse container - any waste container that a person controls whether owned, leased, or operated, including dumpsters, trash cans, garbage pails, and plastic trash bags.

d. Stormwater - means water resulting from precipitation (including rain and snow) that runs off the land's surface, is transmitted to the subsurface, is captured by separate storm sewers or other sewerage or drainage facilities, or is conveyed by snow removal equipment.

e. Waters of the State - means the ocean and its estuaries, all springs, streams and bodies of surface or ground water, whether natural or artificial, within the boundaries of the State of New Jersey or subject to its jurisdiction.

SECTION III. Prohibited Conduct:

Any person who controls, whether owned, leased, or operated, a refuse container or dumpster must ensure that such container or dumpster is covered at all times and shall prevent refuse from spilling out or overflowing.

Any person who owns, leases or otherwise uses a refuse container or dumpster must ensure that such container or dumpster does not leak or otherwise discharge liquids, semi-liquids or solids to the municipal separate storm sewer system(s) operated by the City of Northfield.

SECTION IV. Exceptions to Prohibition:

a. Permitted temporary demolition containers

b. Litter receptacles (other than dumpsters or other bulk containers)

c. Individual homeowner trash and recycling containers

d. Refuse containers at facilities authorized to discharge stormwater under a valid NJPDES permit

e. Large bulky items (e.g., furniture, bound carpet and padding, white goods placed curbside for pickup)

SECTION V. Enforcement:

This ordinance shall be enforced by the Code Enforcement Officer of the City of Northfield.

SECTION VI. Penalties:

Any person(s) who is found to be in violation of the provisions of this ordinance shall be subject to a fine not to exceed $100.00 per day.

SECTION VII. Severability:

Each section, subsection, sentence, clause and phrase of this Ordinance is declared to be an independent section, subsection, sentence, clause and phrase, and the finding or holding of any such portion of this Ordinance to be unconstitutional, void, or ineffective for any cause, or reason, shall not affect any other portion of this Ordinance.

SECTION VIII. Effective date:

This Ordinance shall be in full force and effect from and after its adoption and any publication as may be required by law.

Vincent Mazzeo, Mayor

Mary Canesi, RMC, Municipal Clerk

The above Ordinance was introduced and passed on its first reading at a regular meeting of the Council of the City of Northfield, New Jersey held on September 14, 2010, and was taken up for a second reading, public hearing and final passage at a meeting of said Council held on September 28, 2010 in Council Chambers, City Hall, Northfield, New Jersey.

FIRST READING:	September 14, 2010
PUBLICATION:	September 18, 2010
SECOND READING:	September 28, 2010
PUBLICATION:	October 2, 2010

Aye: Kern, Martinez, O'Grady, Perri, Smith, Vain, Carew
Nay:
Abstain:
Absent:

SPPP Form 11 – Storm Drain Inlet Retrofitting

Municipality Information

Municipality: City of Northfield County Atlantic

NJPDES # :NJ0141852 PI ID #: 50577

Team Member/Title: Matthew F. Doran, Municipal Engineer

Effective Date of Permit Authorization (EDPA): *March 2004*

Date of Completion: *February 2006* Date of most recent update: *April 2007*

What type of storm drain inlet design will generally be used for retrofitting?
Bicycle Safe Grates (Type E-inlets)

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
Drainage at Revere Avenue		*1/07*		*5-B*	
Lesley Lane		*7/06*	*10/06*	*2-B*	
Davis Avenue		*12/06*	*1/07*	*6-B*	
Harvey Drive		*12/06*	*1/07*	*0*	
Roosevelt Avenue		*6/06*	*4/07*	*3-B*	

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

Records are kept w/ the Municipal Engineer and are available upon request.

SPPP Form 11 – Storm Drain Inlet Retrofitting

Municipality Information

Municipality: City of Northfield County Atlantic

NJPDES # :NJ0141852 PI ID #: 50577

Team Member/Title: Matthew F. Doran, Municipal Engineer

Effective Date of Permit Authorization (EDPA): *March 2004*

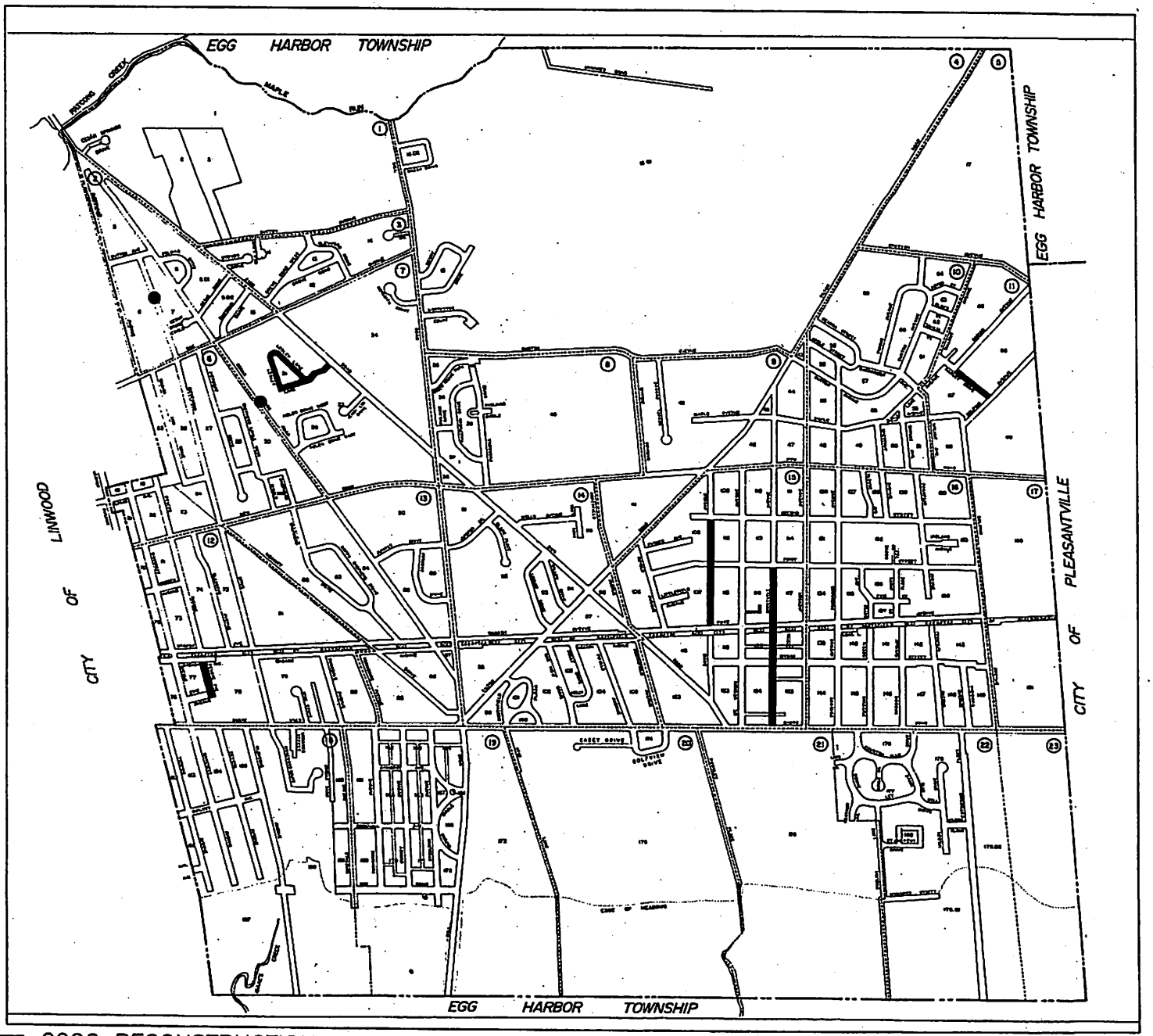
Date of Completion: *February 2006* Date of most recent update: *April 2007*

What type of storm drain inlet design will generally be used for retrofitting?
Bicycle Safe Grates (Type E-inlets)

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
Inlet at 2543 Cedar Bridge Road		*12/06*	*12/06*	*1-E*	
Ilet at 914 Ridgewood Drive		*8/06*	*8/06*	*1-B*	

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

CITY OF NORTHFIELD,
ATLANTIC COUNTY



2006 RECONSTRUCTION PROJECTS

SPPP Form 12 – Street Sweeping and Road Erosion Control Maintenance

Municipality Information

Municipality: City of Northfield County: Atlantic

NJPDES #: NJ0141852 PI ID #: 50577

Team Member/Title: Jim Clark, Superintendent of DPW

Effective Date of Permit Authorization (EDPA): *March 2004*

Date of Completion: *February 2006* Date of most recent update: *April 2007*

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 City has entered into a contract with the Atlantic County Utilities Authority (ACUA) to street sweep residential streets on a biannual basis.

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 City of Northfield will use the Public Works Street Department to monitor all roadways for erosion problems during normal patrols. All identified road erosion problems will be reported to Jim Clark, Superintendent of DPW. Identified areas of erosion will be prioritized and maintenance personnel will then be assigned to the areas of concern.

The areas identified to have road erosion problems will be repaired in accordance with the Standards for Soil Erosion and Sediment Control in New Jersey. All maintenance personnel will maintain an inspection log and the Superintendent will maintain a list of all repairs and the dates completed. The status of the Road Erosion Control Maintenance Program will be included in the Annual Report and Recertification.

STORMWATER POLLUTION PREVENTION PLAN
EROSION CONTROL MAINTENANCE
CITY OF NORTHFIELD, ATLANTIC COUNTY
DORAN #10451

DATE	LOCATION	REPAIRS
06	MAPLE + WALNUT AVES	INSTALL CONCRETE CURB
10/5/06	MAPLE AVE BETWEEN JACKSON + ROOSEVELT	GRADE PLACE 3/4 ROCK + PEAGRAVEL - TOPSOIL + SEED
10/30/06	LEEDS AVE BETWEEN OAKCREST +	REPAIR ASPHALT + ADD
	REVERE AVES	3/4 ROCK, TOPSOIL + SEED

SPPP Form 13 – Stormwater Facility Maintenance

Municipality Information

Municipality: City of Northfield County: Atlantic

NJPDES #: NJ0141852 PI ID #: 50577

Team Member/Title: Jim Clark, Superintendent of DPW

Effective Date of Permit Authorization (EDPA): *March 2004*

Date of Completion: *February 2006* Date of most recent update: ____

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

The City of Northfield inspects and cleans catch basins during their street sweeping activities. All catch basins out of the roadways will also be inspected and cleaned as necessary. All catch basins will be inspected once each year. At the time of cleaning, the catch basins will also be inspected for proper function. Maintenance will be scheduled for those catch basins that are in disrepair. Catch basins are identified by the closest house address.

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 City of Northfield has a stormwater facility maintenance program to ensure that all stormwater facilities operated by the City function properly. The City of Northfield operates the following: catch basins, storm drains, infiltration basins, buffer strips, & swales.

These stormwater facilities are inspected annually to insure that they are functioning properly. In high risk areas, preventative maintenance will be performed on all stormwater facilities to ensure that they do not begin to fail.

SPPP Form 14 - Outfall Pipe Stream Scouring Remediation

Municipality Information

Municipality: City of Northfield County: Atlantic

NJPDES #: NJ0141852 PI ID #: 50577

Team Member/Title: Jim Clark,Superintendent of DPW

Effective Date of Permit Authorization (EDPA): *March 2004*

Date of Completion: *February 2006* Date of most recent update: *April 2007*

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 the City is performing the illicit connection investigation, the outfall pipes will be checked 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 with an annual inspection of the site to ensure that scouring has not resumed. Attached is a list of all sites with outfall pipe scouring, the date the City plans on repairing the scouring, and the method of repair.

STORMWATER POLLUTION PREVENTION PLAN
OUTFALL PIPE STREAM SCOURING REMEDIATION
CITY OF NORTHFIELD, ATLANTIC COUNTY
DORAN #10451

DATE	LOCATION	ANTICIPATED REPAIR DATE	METHOD OF REPAIR
9/11/06	E. ROSEDALE AVE. NEAR #300	JULY 07	CLEAN AREA ADD RIVER ROCK AROUND OUTFALL
9/11/06	E. OAKRIDGE AVE NEAR #130	JULY 07	ADD RIVER ROCK
9/13/06	PHILMAR DRIVE AT BURTON	10/06 COMPLETE	GRADE ADD 3/4 ROCK + RIVER ROCK

SPPP Form 15 – De-icing Material Storage

Municipality Information

Municipality: *NJ0141852* County *Atlantic*

NJPDES # : *NJ0141852* PI ID #: *50577*

Team Member/Title: *Jim Clark, Superintendent of DPW*

Effective Date of Permit Authorization (EDPA): *March 2004*

Date of Completion: *February 2006* 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.

The City has entered into a contract with the Atlantic County Utilities Authority (ACUA) to store de-icing material at the Atlantic County Department of Public Works complex at New Road and Dolphin Avenue. The de-icing material is stored inside of an enclosed structure and is not exposed to precipitation.

SPPP Form 67 – Standard Operating Procedures

Municipality Information

Municipality: *City of Northfield* County *Atlantic*

NJPDES # :*NJ0141852* PI ID #: *50577*

Team Member/Title: *Jim Clark, Superintendent of DPW*

Effective Date of Permit Authorization (EDPA): *March 2004*

Date of Completion: *February 2006* Date of most recent update: ____

BMP	Date SOP went into effect	Describe your inspection schedule
Fueling Operations (including the required practices listed in Attachment D of the permit)		*Intergovernmental agreement with the Atlantic County Public Works Dept. and inspections are performed by County personnel.*
Vehicle Maintenance (including the required practices listed in Attachment D of the permit)	*3/05*	
Good Housekeeping Practices (including the required practices listed in Attachment D of the permit) **Attach inventory list required by Attachment D of the permit.**	*3/05*	

City of Northfield
Standard Operating Procedure
Vehicle Maintenance

Northfield Public Works Department
775 West Mill Road

** WASTE MANAGEMENT **
** SPILL PREVENTION, CONTAINMENT & COUNTERMEASURES **
** POLLUTION CONTROL

This SOP applies to the Maintenance Yard at the City Garage in the City of Northfield and any location where emergency maintenance may take place. The following practices will be implemented so employees have a guide to insure proper maintenance practices.

STANDARDS & SPECIFICATIONS:

- **Conduct vehicle maintenance operation in designated areas.**
- **If possible all maintenance will be conducted indoors with a paved floor.**
- **Use drip pans.**
- **Absorbent spill kits on hand and available at all times.**
- **Proper disposal of used spill kits.**
- **Maintenance areas shall be protected from stormwater run-on /off, and shall be located at least 50 feet downstream drainage facilities and watercourses.**
- **Use portable tents or temporary cover for long term outdoor maintenance projects.**
- **Do not dump or dispose oils, grease, fluids, or lubricants on the ground.**
- **Do not dispose of batteries, used oil, antifreeze and or other toxic fluids into storm drains or watercourse.**
- **Dispose of tires properly.**
- **Collect waste fluids in properly labeled containers and dispose of properly.**

SPILL RESPONSE & REPORTING

- **Provide spill containment dikes or secondary containment around stored oils or other fluid storage drums.**
- **Conduct cleanups of fuel spills immediately after discovery.**
- **Spills are to be cleaned using dry cleaning methods only. I.e.: oil dry them swept and disposed of properly.**
- **Contact Northfield Fire Department through dispatch at 641-3122 or Extension 150.**

MAINTENANCE & INSPECTION

*** Periodically check for leaks and damaged equipment and make repairs as necessary.**

City of Northfield
Standard Operating Procedure
Good Housekeeping

Northfield Public Works Department
775 West Mill Road

**** PROPER RECYCLING ****
**** PROPER WASTE DISPOSAL ****
**** POLLUTION PREVENTION ****

This SOP applies to the City Garage as well as all work locations in the City of Northfield. The following guidelines are for all Public Works Employees and will be the standard for Good Housekeeping practices.

- **All containers will be properly labeled and marked, and must be remain clean and visible.**
- **All containers must be kept clean and in good shape and tightly sealed.**
- **When practical fluids and supplies should be kept indoors, In proper storage containers. I.e.: Fireproof Cabinets.**
- **Containers stored outdoors shall be sealed and placed on spill platforms.**
- **Storage areas shall be clean and organized.**
- **Spill kits and catch pans must be near any liquid transfer areas, and protected from rainfall.**
- **Absorbent spill clean up materials must be available in maintenance areas and disposed of properly if used.**
- **Place trash, dirt and other debris in proper containers or trucks.**
- **Collect waste fluids in properly labeled containers and dispose of properly.**
- **Recycle papers, cans, bottles, white goods, and batteries in properly labeled containers.**

SPILL RESPONSE

- **Conduct clean up of any spill immediately, unless it is an unknown substance. Call Dispatch immediately for the Fire Department at 911.**
- **Use dry methods only. i.e. spill kits or oil dry.**

MAINTENANCE & INSPECTION

- **Periodically check for leaks and damaged equipment or containers and replace or repair as necessary.**
- **Perform monthly inspections of all storage locations.**

SPPP Form 17 – Employee Training

Municipality Information

Municipality: *City of Northfield* County *Atlantic*

NJPDES # : *NJ0141852* PI ID #: *50577*

Team Member/Title: *Jim Clark, Superintendent of DPW*

Effective Date of Permit Authorization (EDPA): *March 2004*

Date of Completion: *February 2006* 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.

Topics will be covered by using training videos, handouts, and discussions of applicable materials (Ordinances, maps, schedules, ect.)

COURSE	*ATTENDEES*
Waste Disposal Education	*All Personnel*
Municipal Ordinances	*All Personnel*
Yard Waste Collection Program	*Street Dept. / Public Buildings & Grounds Dept.*
Illicit Connection Elimination	*Street Dept.*
Street Sweeping	*Sweeper Operators*
Stormwater Facility Maintenance	*Street Dept.*
Road Erosion Control	*Street Dept.*
Outfall Pipe Stream Scouring Remediation	*Street Dept.*
Maintenance Yard Operations	*All Personnel*

Dates for above training to be determined.