



Borough of Keansburg
Stormwater Pollution Prevention Plan



**New Jersey Pollutant Discharge
Elimination System**
Tier A Municipal Stormwater
General Permit No. NJG0149101
PI ID No. 203010



Raymond O'Hare, Borough Manager
Borough of Keansburg
Stormwater Program Coordinator

12-5-13
Date


Tier A Municipal Stormwater Regulation Program

Stormwater Pollution Prevention Team Members

Number of team members may vary.

Completed by: Francis W. Mullan

Title: Borough Engineer

Date: Revised May 1, 2012

Municipality: Borough of Keansburg

County: Monmouth County

NJPDES #: NJGNJG014901

PI ID #: 203010

Stormwater Program Coordinator: Chief Raymond O'Hare

Title: Borough Manager

Office Phone #: 732-787-0215

Emergency Phone #: Same as above

Public Notice Coordinator: Thomas P Cuisck

Title: Borough Clerk

Office Phone #: 732-787-0215

Emergency Phone #: N/A

Post-Construction Stormwater Management Coordinator: Francis W. Mullan

Title: Borough Engineer

Office Phone #: 732-671-6400 ex 1125

Emergency Phone #: N/A

Local Public Education Coordinator: Thomas P Cusick

Title: Borough Clerk

Office Phone #: 732-787-0215

Emergency Phone #: N/A

Ordinance Coordinator: Hon. John O Bennet III Esq.

Title: Borough Attorney

Office Phone #: (732) 378-6901

Emergency Phone #: N/A

Public Works Coordinator: James P. Falco

Title: Director of Public Works

Office Phone #: 732-787-0215 ex 500

Emergency Phone #: N/A

Employee Training Coordinator: James P. Falco

Title: Director of Public Works

Office Phone #: 732-787-0215 ex 500

Emergency Phone #: N/A

Other: Pollution Control James P. Falco

Title: Director of Public Works

Office Phone #: 732-787-0215 ex 500

Emergency Phone #: N/A

SPPP Form 2 - Public Notice

Municipality
Information

Municipality: Borough of Keansburg

County: Monmouth

NJPDES # : NJG0149101

PI ID #: 203010

Team Member/Title: Thomas P. Cusick, Borough Clerk

Effective Date of Permit Authorization (EDPA): April 1, 2004

Date of Completion: March 6, 2005 Date of most recent update: May 1, 2012

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

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

SPPP Form 3 – New Development and Redevelopment Program

Municipality
Information

Municipality: Borough of Keansburg

County: Monmouth

NJPDES # : NJG0149101

PI ID #: 203010

Team Member/Title: Francis W. Mullan, Borough Engineer

Effective Date of Permit Authorization (EDPA): April 1, 2004

Date of Completion: March 6, 2005 Date of most recent update: May 1, 2012

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 Borough of Keansburg, we will do the following:

- 1. The Borough Planning Board will continue to ensure that plans for all new residential development and redevelopment projects, subject to the Residential Site Improvements Standards, are in compliance with the Stormwater Management Regulations (including NJAC 7:8) prior to issuance of final subdivision or site plan approvals under the Municipal Land Use Law.*
- 2. The Code Enforcement Officer will continue to ensure compliance of all private developments with the approved subdivision plans and applicable ordinances, as well as, long term operation and maintenance of BMPs on private property. The Director of Public Works will be responsible for appropriate long term operation and maintenance of BMP's on Borough property.*
- 3. The Planning Board will continue to ensure all plans for new development and redevelopment projects incorporate the new design of storm drain inlets. The Borough Engineer will ensure proper installation of said inlet and the Director of Public Works will be responsible for proper maintenance/retrofit of existing inlets. The Borough Engineer and Construction Official will ensure that any existing storm drain on private property in direct contact with a repaving, resurfacing, reconstruction or alteration project will be retrofit to prevent discharge of solids and fltable to the Borough's Storm System. The Borough Code Enforcement officer will ensure that all dumpsters are covered.*
- 4. The Borough's Municipal Stormwater Management Plan was adopted on 4/10/06 and the Ordinance was adopted on 2/11/08. After approval by the County it became effective on 2/11/08.*
- 5. Since approval of the stormwater control ordinance and plan, the Planning Board will ensure that all plans for new development and redevelopment projects are in compliance with the design and maintenance measures adopted.*

SPPP Form 4- Local Public Education Program

Municipality
Information

Municipality: Borough of Keansburg County Monmouth

NJPDES # : NJG0149101 PI ID #: 203010

Team Member/Title: Thomas P. Cusick, Borough Clerk

Effective Date of Permit Authorization (EDPA): 4/2/04

Date of Completion: March 6, 2005 Date of most recent update: May 1, 2012

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.

The Borough will select a total of 10 points annually from the educational activities listed below:

- Website - The Borough will maintain a stormwater-related page on its municipal website. (1 point)
- Stormwater Display - The Borough will present a stormwater-related display at Borough Hall. (2 points)
- Stormwater Giveaway - The Borough will distribute an item with a stormwater-related message such as magnets, temporary tattoos, bookmarks, coloring books, and pens or pencils. The Borough will purchase a supply of the item equal to a minimum of 10% of the population. (2 points)
- Citizen Stormwater Advisory Committee - The Borough will consider the formation and operation of such a committee. (2 points)
- Utilize Department Materials - The Borough will use N.J.D.E.P. authored stormwater education materials available from www.cleanwater.nj.org to publish an ad in the newspaper that serves the Borough; produce a sign or billboard which can be displayed on a bus, bus step shelter or recreational field. (2 points each/max 4 points per year)
- Poster Contest - The Borough will hold a poster or photo contest requiring a clean water or stormwater theme and caption. (2 points)
- Stormwater Training for Elected Municipal Officials - The Borough will conduct an educational program for all elected municipal officials to educate them on the Stormwater Management Rules (N.J.A.C. 7:8), Tier A Permit and the steps already taken to minimize stormwater pollution. (3 points)
- Mailing - the Borough will distribute any of the N.J.D.E.P.'s educational brochures, tip cards, or a municipality produced equivalent (e.g. calendar, recycling schedule), to every residence and business in the municipality. (3 points)
- Partnership Agreement/Local Event- The Borough shall identify and enter into a partnership agreement with a local event. The Borough shall identify a group or watershed organization, Baykeeper, school, Clean Ocean Action, or other nonprofit to carry out a minimum of two watershed stewardship/education activities such as a beach cleanup, or litter march. (3 points)
- Ordinance Education. the Borough will include an article its newsletter or annual calendar that is distributed to every resident and business in the Borough highlighting the requirements and environmental benefits of the Pet Waste, Litter, Improper Disposal of Waste, Wildlife Feeding, Yard Waste, Illicit Connections, Refuse Container and/or Private Storm Drain Inlet Retrofitting Ordinances. This article will also reference the municipal website to which the residents can read these Ordinances. (5 Points)

SPPP Form 5 – Storm Drain Inlet Labeling

Municipality Information	Municipality: The Borough of Keansburg	County: Monmouth
	NJPDES #: NJG0149101	PI ID #: 203010
	Team Member/Title: Dennis O'Keefe/Director Department of Public Works	
	Effective Date of Permit Authorization: April 1, 2004	
	Date of Completion: March 6, 2005 Date of Most Recent Update: NA	

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.

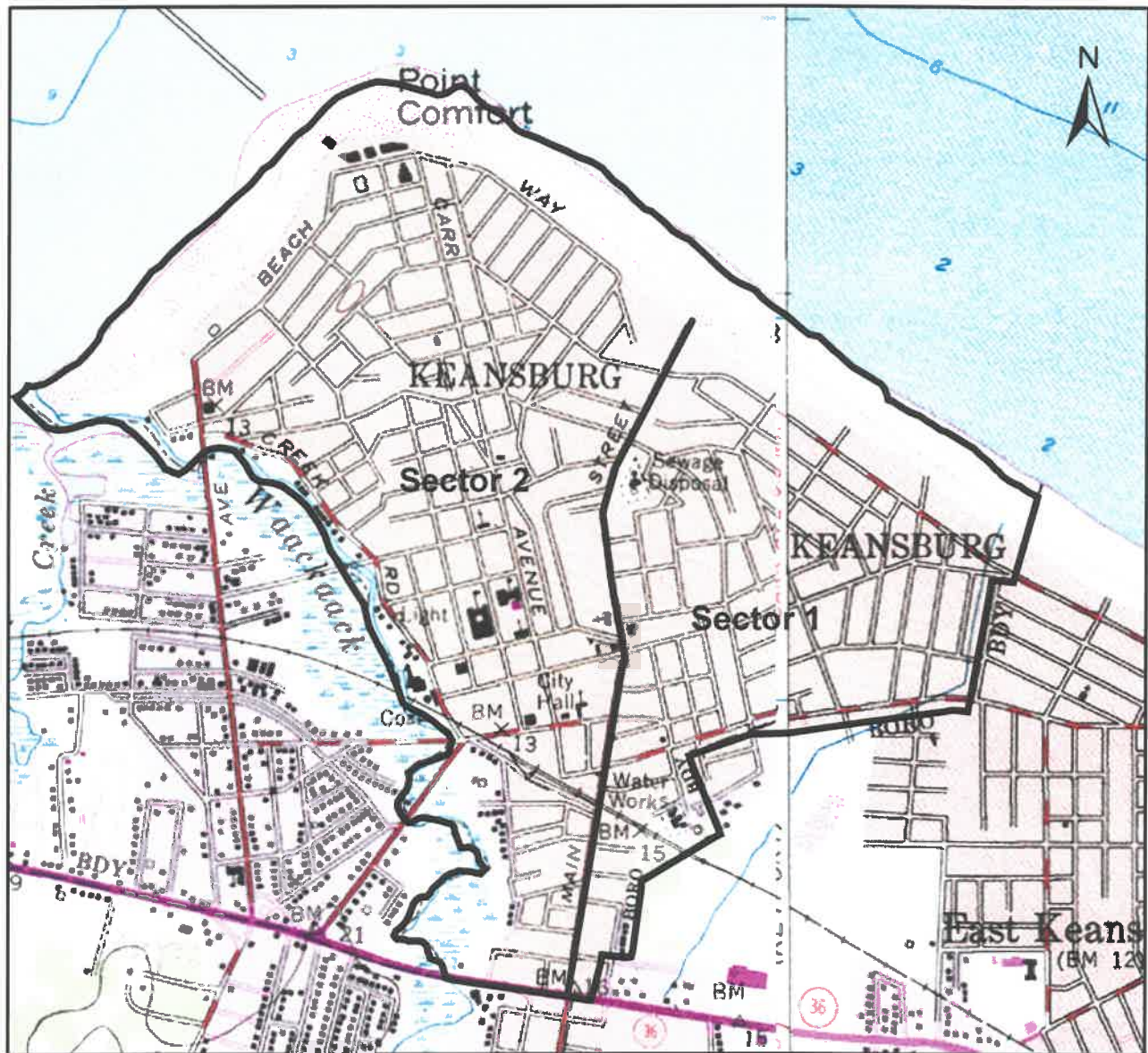
Due to our concern for the safety of the individuals who will be implementing our storm drain inlet labeling program, our Public Works department will be doing the labeling. We will label all storm drain inlets that are along municipal streets with sidewalks, and all storm drain inlets within plazas, parking areas, or maintenance yards that are operated by The Borough of Keansburg.

The attached map divides The Borough of Keansburg into two sectors. Sector 1 is the area east of Main Street, and Sector 2 is the area west of Main Street to Creek Road. Labeling of Sector 1 will be completed by April 2007, and Sector 2 will be completed by April 2009.

We are currently evaluating various label types and application methods. We may utilize more than one label type or application method in order to ensure maximum durability in all locations.

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 as soon as possible.

BOROUGH OF KEANSBURG - STORM DRAIN INLET LABELING SECTORS



Legend

MUN
 KEANSBURG BORO

*Borough of Keansburg -
 Storm Drain Inlet Labeling Sectors
 Borough of Keansburg, Monmouth County, NJ*

DRAWN BY: JLH
 PATH: J:USER/JLH/GIS/Keansburg Sectors for Jay

DATE: 03/11/05



BIRDSALL ENGINEERING, INC.
 CONSULTING & ENVIRONMENTAL ENGINEERS

SPPP Form 6 – MS4 Outfall Pipe Mapping

Municipality Information	Municipality: The Borough of Keansburg	County: Monmouth
	NJPDES #: NJG0149101	PI ID #: 203010
	Team Member/Title: Dennis O'Keefe/Director Department of Public Works	
	Effective Date of Permit Authorization: April 1, 2004	
	Date of Completion: March 6, 2005 Date of Most Recent Update: NA	

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.)?

The Borough of Keansburg is regulated under the Sewage Infrastructure Improvement Act (SIIA) regulations (N.J.A.C. 7:22A). Maps showing the location of the end of all MS4 outfall pipes that are operated by the Borough, and that discharge within the Borough's jurisdiction to a surface water body, have been prepared pursuant to the SIIA regulations by T&M Associates, a consultant to the Borough of Keansburg. The maps show the location and name (where known to the Borough) of all surface water bodies receiving discharges from those outfall pipes. Each outfall pipe depicted on the maps has been given an alphanumeric identifier that is noted on the map. These maps satisfy the minimum standard specified in Statewide Basic Requirement 6.a.i.

SPPP Form 7 – Illicit Connection Elimination Program

Municipality Information	Municipality: The Borough of Keansburg	County: Monmouth
	NJPDES #: NJG0149101	PI ID #: 203010
	Team Member/Title: Dennis O'Keefe/Director Department of Public Works	
	Effective Date of Permit Authorization: April 1, 2004	
	Date of Completion: March 6, 2005 Date of Most Recent Update: NA	

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 Borough of Keansburg (contractors and/or Borough employees) will begin performing the initial physical inspection of our outfall pipes within 18 months from the EDPA (by October 1, 2005) and will complete the initial physical inspection of all outfall pipes within 60 months from the EDPA (April 2009). We will use the NJ Department of Environmental Protection (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 (and the connection is within The Borough of Keansburg) we will cite the responsible party for being in violation of our Illicit Connection Ordinance, and we will have the connection eliminated immediately. If, after the appropriate amount of investigation, we are unable to locate the source of the illicit connection, we will submit the Closeout Investigation Form with our Annual Inspection and Recertification. If an illicit connection is found to originate from another public entity, The Borough of Keansburg will report the illicit connection to the NJDEP.

The Borough of Keansburg has an Emergency Phone Line (732-787-0600) that can also be used for reporting illicit connections.

SPPP Form 8 – Illicit Connection Records

Municipality Information	Municipality: The Borough of Keansburg	County: Monmouth
	NJPDES #: NJG0149101	PI ID #: 203010
	Team Member/Title: Dennis O'Keefe/Director Department of Public Works	
	Effective Date of Permit Authorization: April 1, 2004	
	Date of Completion: March 6, 2005 Date of Most Recent Update: NA	

Prior to May 2, 2006 <i>Note: Attach a copy of each illicit connection report form for outfalls found to have a dry weather flow.</i>	
Total number of inspections performed this year? <i>Program implementation will begin by October 2005</i>	
Number of outfalls found to have 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 <i>Note: Attach a copy of each illicit connection report form for outfalls found to have a dry weather flow.</i>	
Total number of inspections performed this year?	
Number of outfalls found to have dry weather flow?	
Number of outfalls found to have an illicit connection?	
How many illicit connections were eliminated?	
Of the illicit connections found, how many remain?	
May 2, 2007 – May 1, 2008 <i>Note: Attach a copy of each illicit connection report form for outfalls found to have a dry weather flow.</i>	
Total number of inspections performed this year?	
Number of outfalls found to have 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 <i>Note: Attach a copy of each illicit connection report form for outfalls found to have a dry weather flow.</i>	
Total number of inspections performed this year?	
Number of outfalls found to have dry weather flow?	
Number of outfalls found to have an illicit connection?	
How many illicit connections were eliminated?	
Of the illicit connections found, how many remain?	

SPPP Form 9 – Yard Waste Ordinance/Collection Program

Municipality Information	Municipality: The Borough of Keansburg	County: Monmouth
	NJPDES #: NJG0149101	PI ID #: 203010
	Team Member/Title: Dennis O'Keefe/Director Department of Public Works	
	Effective Date of Permit Authorization: April 1, 2004	
	Date of Completion: March 6, 2005 Date of Most Recent Update: NA	

Please describe your yard waste ordinance/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.

We have considered the two options available, and have decided to continue our existing yard waste collection and disposal program instead of just adopting and enforcing an ordinance that prohibits placing non-containerized yard wastes in the street.

We will continue to conduct daily collections of leaves throughout the entire Borough from October 10 through December 16, and from April 4 through May 31. Grass clippings are not collected because they are not accepted at the local landfills. We publish our collection schedule and our ordinance requirements in our quarterly Borough newsletter. The collection schedule and requirements are also posted on our Borough website and advertised in local newspapers. We may also provide for periodic direct mailing of the collection schedule and requirements.

The Borough of Keansburg will also be adopting and enforcing a yard waste ordinance (see SPPP Form 10) that will prohibit all yard wastes from being placed at the curb or along the street more than seven days prior to our scheduled collections, unless they are bagged or otherwise containerized. The ordinance will also prohibit the placing of yard waste closer than 10 feet from any storm sewer inlet along the street, unless they are bagged or otherwise containerized.

SPPP Form 10 - Ordinances

Municipality
Information

Municipality: Borough of Keansburg County Monmouth

NJPDES # : NJG0149101 PI ID #: 203010

Team Member/Title: Hon. John O Bennett, III, Esq. Borough Attorney

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

Date of Completion: March 6, 2005 Date of most recent update: May 1, 2012

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

Pet Waste Adopted 10/26/2005

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

Litter Adopted 10/26/2005

Improper Waste Disposal Adopted 10/26/2005

Wildlife Feeding Adopted 10/26/2005

Yard Waste Adopted 10/26/2005

Illicit Connections Adopted 10/26/2005

How will these ordinances be enforced?

Our code enforcement officer and local police officers will enforce these ordinances. If someone is found to be in violation of an ordinance, they will be issued a written warning for first time offenses and penalties will be issued for subsequent offenses.

COVER TARP ON DUMPSTER ORB. 1500
PRIVATE CATCH BASIN \$1499
ON PROPERTY ORB.

SPPP Form 11 – Storm Drain Inlet Retrofitting

Municipality Information	Municipality: The Borough of Keansburg	County: Monmouth
	NJPDES #: NJG0149101	PI ID #: 203010
	Team Member/Title: Dennis O'Keefe/Director Department of Public Works	
	Effective Date of Permit Authorization: April 1, 2004	
	Date of Completion: March 6, 2005 Date of Most Recent Update: NA	

What type of storm drain inlet design will generally be used for retrofitting (see note below)?
For most projects The Borough of Keansburg will use the NJDOT bicycle safe grate style or equivalent and (if needed) a curb opening with a clear space no bigger than two inches across the smallest dimension.

Repaving, repairing, reconstruction or alteration project name	Projected Start Date	Actual Start Date	Date of Completion	# of Storm Drain Inlets	# of Storm Drains w/ Hydraulic Exemptions

Are you claiming any alternative device exemptions or historic place exemptions for any of the above projects? Please explain:

At this time we do not plan on installing any alternative devices for repaving, repairing, reconstruction or alteration projects. We also do not currently plan on claiming any historic place exemptions.

NOTE: Within 12 months of the EDPA (by April 1, 2005), retrofitting of existing storm drain inlets to meet the standards in Attachment C of the permit will be implemented when such inlets are in direct contact with repaving, repairing (excluding repair of individual potholes), reconstruction or alterations of facilities owned or operated by the municipality.

Borough of Keansburg - DPW Engineering Projects			2004	dok/dpw	5/22/2007	1/10/2008	7/23/2008	3/22/2010
RDS. Completed - Code A - Roads, Sidewalks/Curbs, Drainage								
Code B - Roads, Sidewalks/Curbs, Code C - Road overlay							2/24/2011	2/17/2012
				Future Road Projects for consideration				4/25/2012
1. B	Laurel Avenue - Seabreeze to the Keansburg/Hazlet Bridge			1.A	Evergreen Pl. - Forest Ave. to Woodside Ave.			
2. B	Maplewood Ave. - Laurel Ave. to Central Ave. Marina			2.A	Woodside Ave. - Entire Length - North & South			
3. C	Railroad Avenue - Church Street to Wood Avenue			3.A	Grove Place - Twilight Ave. to Forest Avenue			
4. C	Wood Avenue - Railroad Avenue to Wood Street			4.A	Forest Place - Forest Ave. To Seawood Ave.			
5.1C	Creek Road - Manning Pl. to Kennedy Way			5.A	Seawood Ave. & Greenwood Pl. - Entire length			
5.2B	Creek Rd. & Manning Pl. - Installed new drainage			6.A	Willis Place - Main Street to Harding Avenue			dpw temp
6. A	Raritan Avenue - Center Avenue to Seeley Avenue			7.A	Leola Ave. - Entire Length - drainage study/video			
7. A	East Shore St. - Carr Avenue to Fox Avenue			8.A	Center Ave. - Carr Avenue to Highland Avenue			Completed
8. A	Oak Street - Carr Avenue to Fox Avenue			9.A	Seabreeze Way - Highland Ave. to Blk 7/Lot 7.01			
9. A	North Shore Street - Entire Length			10.A	Woodland Ave. - Twilight Ave. to Lawrence Ave.			
10. A	West Shore Street - Entire Length			11.A	Wood Street - Main Street to the End - 40k PB escrow			
11. A	Smith Place - Entire Length			12.A	Highland Ave & St. - BEI submitted DOT application			
12. A	Oak Street - Entire Length			13.A	St. Johns Pl. Entire Rd. Basins/overlay - Tartivita Order			
13. A	Jahn Street - Entire Length			14.R	N.Waackaack/Twilight Ave. Sinkholes - CMX Review			
14. C	Seabreeze Way - Carr Ave. to Highland Ave.			15.C	Walters St. Connector link between two improved Rds. BEI			
15. C	Bellevue Avenue - Beachway to Center Avenue			16.C	Gillette&South Sts. Link between two improvements BEI			
16. A	Hancock Street - Entire Length - Main St. to Frazee Pl.			17.A	Park Ave Forest to Bcn Blvd Unrav. Sinks/drainage - BEI/CMX			
17. A	Frazee Place - Entire length - Port Monmouth Rd. to End			18.A	Shore Blvd Twilight to Lawrence Unrav/drainage entire Rd BEI			
County - Completed 2007				19.C	Stella Dr. Phase II after Leroy Linton - J. May			
18-19-20 Pt. Mon. Rd. - Church St. - Carr Ave. - Mill & Overlay				20.A	Caruso School Road & Drainage review - F. Mullan T&M			
21. A	Main Street - Hancock Street to Church Street							
22. A	Port Monmouth Rd. - Main Street to 100' East							
23. A	Beech Street - Entire Length - Main St. to Carr Ave.							
Note: Above Lines reported on 2008 Annual SW Report								
Completed Summer 2008					Safe Streets to Schools Grant		Completed Summer 07	
					Sidewalks - Port Mon. Rd. - Main St. to Harding Ave. - North side			
					Bike Path - Green Acres Grant - Completed Summer 2007			
					Beachway - from Pineview Avenue to Raritan Avenue			
					DEP - Waterways Protection Grant - submitted 2006			
					Creek Rd. & Seeley Ave. Bulkhead - Total Reconstruction			
					Outfall Drainage Reconstruction - Bcnlght. Lead Line			
					Beaconlight Outfall - Shore Blvd. @ Beaconlight Ave. - complete			
					Pier & Raritan OF - under engineering review for 2008 BEI			
					Pump Stations - Install Sept. 09 Raritan & Bcnlght. Phase 1			
					Beaconlight, Twilight, Bayview, Raritan Aves. - Two completed			pg. 1

Borough of Keansburg - Engineering Projects continued		8/23/2010	pg. 2
Completed Summer 2010 - Pending 2011/12		Dates pg 1	
Public Works Projects and Improvements			
Road Improvements			
32. A	Main St. Improvement - Church St. to Seeley Ave Complete J. May	1. Demolished - old Water Plant & Sanitary separation tank - 120 Main St.	
33. A	Center Ave. - From Carr Ave. to Highland Avenue Complete J. May	2. Keansburg Police Station - Major Exterior repairs & improvements	
34. A	Highland Ave. - From Center Ave. to Highland Blvd. Pulled	3. St. Johns Park - Green Acres Grant - Skate Board Park - complete	
35. A	Manning Place - Main St to Carr Ave - Spring 2012 J May	4. Forest-Donohue & Hill St. Parks. - upgraded w/new equipment	
36. A	Myrtle Ave Improvements - Francis to Terrace Pl. T&M NJDOT grant	5. Borough St. Lights - two yr. upgrade added 80 new street lights	
37. A	Main St. Seeley to Beachway Final Stage - Complete 5/12 T&M	6. Main St. @ Beachway - 911 Memorial installed & dedicated	
38 C	Seeley Ave - Main St. to Pineview - T&M Complete 5/12	7. Public Works Garage - new roof system & stormwater control	
		8. Keansburg Library - Solar Panel Grant and Installation - complete	
		9. St. Johns Fields - Graded with new infield mix - 9&10 J. May 7/11/2011	
		10. Park upgrades sched spring 2011 - St Johns-Forest-Donohue completed	
		11. DPW Recycling Grant - Improvement to Boro yard - completed 2011	
		12. Raritan/Carr Ave Drainage Improvement - T&M F. Mullan/D. Dayback	
		13. Creek Rd Bulkhead - Fema Grant \$292,000 - T&M 2011	
		14. Outfall Replacements #s 11-12-13-14-16 - Fall 2011 to Spring 2012	
		15. DPW/KPD-NJ Clean Energy Grant Upgrades - \$101,974.17	
		16. Beach Replenishment - USAC Eng/NJDEP - Final Stages	
		17. FEMA award - 7 sinkholes - \$75k - review w/F. Mullan for procedure 4/12	
		18. Crescent St/Beacon Terr. Install Basin, mill/overlay by NJNG/Kieley 5/12	
		19. Collins Field Tennis Courts - Submitted Green Acres app. - T&M \$100.8k	
		20. Beach Replenishment - NJDEP/T&M to provide scope of work, Jul/Aug 2012	
Listing of Separate Reports - Attached			
DPW Road Unravelling Report - List of roads recommended to Council			
For Engineering and Construction - presented annually			
Note Unravel Report may have duplicates listed pg 1 - Future Rd Proj 1 to 14			
Engineering Report - Detailed information of flood abatement for:			
Main Residential/Commercial Areas to coincide with installation			
of new Outfalls Engineered by the Borough - Due Summer 2012-F. Mullan			
This report will start from the Outfalls & will follow the drainage line			
upstream to the high lines at Church St & Pt Mon Rd			
			pg. 2

SPPP Form 12 – Street Sweeping and Road Erosion Control Maintenance

Municipality Information	Municipality: The Borough of Keansburg	County: Monmouth
	NJPDES #: NJG0149101	PI ID #: 203010
	Team Member/Title: Dennis O'Keefe/Director Department of Public Works	
	Effective Date of Permit Authorization: April 1, 2004	
	Date of Completion: March 6, 2005 Date of Most Recent Update: NA	

Street Sweeping

Please describe the street sweeping schedule that you will maintain.

The Borough of Keansburg has evaluated all of its streets to determine which areas will need to be swept monthly. We have determined that we are already sweeping all municipally owned or operated curbed streets (including roads or highways) with storm drains that have a posted speed limit of 35 mph or less (excluding all entrance and exit ramps) in predominantly commercial areas at least once per month, weather and street surface conditions permitting.

The Borough of Keansburg intends to maintain its existing street sweeping schedule for all other streets (that are not required by the permit), which includes sweeping all main roads (including those in predominantly commercial areas) on a daily basis from Easter through Labor Day, and sweeping all main roads at least once per week the remainder of the year, weather and street surface conditions permitting.

Our street sweeping activities are documented on a daily basis on the "Daily Route Sheet" (sample copy attached) kept in the Department of Public Works office.

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 Borough of Keansburg will use the Public Works Department to monitor all their roads and streets for erosion problems during normal patrols. All identified road erosion problems will be reported to Dennis O'Keefe, the Director of the Department of Public Works (or his designee). Identified areas of erosion will be discussed and repairs prioritized. Maintenance personnel will then be assigned to the areas of concern, and 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. The Public Works Department will document these activities on the "Daily Route Sheet" (sample copy attached) kept in the Department of Public Works office. The status of the Road Erosion Control Maintenance Program will be included in the Annual Report and Recertification. The Road Erosion Control Maintenance Program will be implemented within 18 months of the EDPA (by October 1, 2005).

SAMPLE

Keansburg Public Works – Daily Route Sheet – Date -

Employee's Name (print)

int.

Employee's Name (print)

int.

Driver's Name (print)

int.

Work Assignment Section 1 - 2 - 3

Supervisor's Int.

MTWTFSS

Total Time

1.

2.

3.

4.

5.

6.

7.

8.

9.

10.

11.

12.

13.

14.

15.

16.

17.

18.

19.

20.

Driver's Notes:

Supervisor's Notes:

Loads Dumped- Type

Type

Type

Note: next to type write in Branches-Leaves-Metal etc. On the next line place a check for each load

Keansburg Public Works – Daily Route Sheet – Date -

Employee's Name (print) **int.**

Employee's Name (print) **int.**

Driver's Name (print) **int.**

Work Assignment Section 1 - 2 - 3

Supervisor's Int. **MTWTFSS**

Total Time

*** A. Daily inspection of Road shoulders for stability and correct grade are to be listed below – 2/7/06**

1.

2.

3.

4.

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16.

17.

18.

19.

20.

Driver's Notes:

Supervisor's Notes:

Loads Dumped- Type **Type** **Type**

Mileage - Start: **Finish:**

Sweeper Mileage Monthly – GeoVac: **Pelican:**

Note: next to type write in Branches/Leaves- Sweepings. On the next line place a check for each load

[] All lines have been filled in correctly and checked by this Supervisor: _____

Sweeper Mileage Added 4-08

SWEEPER/STORM BASIN ROUTE

AREA # 1

BETWEEN HWY 36 & CHURCH ST. MONROE & MAIN ST.

	Basins	Revision
1. STELLA DRIVE	2	
2. RAILROAD AVE	0	
3. WOOD AVE	0	
4. WOOD ST	8	
5. HORNER PLACE	0	
6. POPLAR ST	2	
7. LINTON PLACE	0	
8. FREDERICK PLACE	1	
9. MORAN PLACE	2	
10. VOGEL STREET	3	
11. MAGNOLIA PLACE	0	
12. LOHSEN PLACE	8	
13. LEROY PLACE	7	
14. SAINT JOHNS PLACE	0	
15. MASON PALCE	0	
16. CHARLES PLACE	0	
17. PALMER PLACE	3	
18. EUCLID PLACE	0	
19. DEPOT PLACE	0	
20. BEACH STREET	2	
21. RANDALL STREET	0	
22. HANCOCK STREET	0	
23. FRAZEE AVE	0	
24. FRAZEE PLACE	0	
25. DPW YARD	3	
26. Thorn Place	1 Culvert	
27. Lorraine Pl.	1	

Area #1 – Amt. of Basins - 43

Circle # upon completion, place notes next to street name & on rear

OPERATOR:

Date:

SWEEPER/STORM BASIN ROUTE

AREA # 2

BETWEEN CREEK RD. & CARR AVE. SEELEY & CHURCH

	Basins	Revision
1. MYRTLE AVE	20	
2. RAMSEY AVE	7	
3. WAACKAACK AVE	0	
4. CREEK ROAD	26	
5. MANNING PLACE	5	
6. FRANCES PLACE	3	
7. TERRACE PLACE	0	
8. KENNEDY WAY	14	
9. MAPLE AVE	8	
10. WASHINGTON AVE	9	
11. GARFIELD AVE	6	
12. LINCOLN AVE	9	
13. WILLOW STREET	6	
14. ROLAND STREET	7	
15. HOWARD STREET	3	
16. HILL STREET	5	
17. MURRAY LANE	3	
18. SEELEY AVENUE	24	
19. CHURCH STREET	6	County
20. CARR AVENUE	31	County

Area #2 – Amt. of Basins - 192

Circle # upon completion, place notes next to street name & on rear

OPERATOR:

Date:

SWEEPER/STORM BASIN ROUTE

AREA # 3

BETWEEN BEACHWAY & SEELEY, LAUREL & CARR

	Basins	Revision
1. BEACHWAY	24	
2. CHARLES AVE	5	
3. SEABREEZE WAY	4	
4. HIGHLAND BLVD	3	
5. MAPLEWOOD AVE	7	
6. SAINT PETERS	1	
7. OAKWOOD PLACE	11	
8. SAINT MARKS PLACE	0	
9. ROOSEVELT AVE	0	
10. SAINT JAMES AVE	0	
11. CENTER AVE	12	
12. HIGHLAND AVE	10	
13. BAY AVENUE	3	
14. PINWOOD AVE	1	
15. UNION PLACE	0	
16. SMITH PLACE	0	
17. NORTH SHORE ST	2	
18. SOUTH STREET	0	
19. GILLETTE ST	5	
20. WEST SHORE ST	1	
21. OAK STREET	5	
22. WALTERS STREET	0	
23. JAHN STREET	0	
24. LAUREL AVENUE	4	

Area #3 – Amt. of Basins - 98

Circle # upon completion, place notes next to street name & on rear.

OPERATOR:

Date:

SWEEPER/STORM BASIN ROUTE

AREA # 4

BETWEEN CARR, MAIN, SEELEY AND CHURCH

	Basins	Revision
1. MANNING PLACE	5	
2. FRANCES PLACE	3	
3. WILSON AVENUE	0	
4. MAPLE AVENUE	8	
5. BROOKSIDE AVE	4	
6. BRADEN PLACE	2	
7. LOCUST PLACE	2	
8. LINCOLN COURT	6	
9. COMMODORE AVE	1	
10. BROANDER PLACE	0	
11. CARLO DRIVE	1	
12. MAIN STREET	16	
Area #4 – Amt. of Basins - 48		

Circle # upon completion, place notes next to street name & on rear
OPERATOR: **Date:**

SWEEPER/STORM BASIN ROUTE

AREA # 5

BETWEEN CARR, MAIN, SEELEY AND BEACHWAY

	Basins	Revision
1. CAMPVIEW PLACE	3	
2. CAMPVIEW AVENUE	2	
3. PINEVIEW AVENUE	2	
4. SHADYNOOK	0	
5. COLLINS STREET	0	
6. BAYVIEW AVENUE	7	
7. EAST SHORE STREET	0	
8. OAK STREET	5	
9. FOX AVENUE	1	
10. RARITAN AVENUE	20	
11. BELLEVIEW AVENUE	2	
12. OCEANVIEW AVENUE	2	
13. SEAVIEW AVENUE	1	
14. CENTER AVENUE		
Area #5 – Amt. of Basins - 44	Basins (12) in Area #3	

Circle # upon completion, place notes next to street name & on rear.

OPERATOR:

Date:

SWEEPER/STORM BASIN ROUTE

AREA # 6

BETWEEN MAIN ST, FOREST AVE, & PORT MONMOUTH RD

	Basins	Revision
1. WILLIS PLACE	0	
2. E. CHURCH STREET	6	
3. LANCASTER AVE	1	
4. LEOLA AVE	8	
5. HARDING AVENUE	11	
6. SNYDER AVE	0	
7. WILLIS AVE	1	
8. PARK AVE	14	
9. RANDOLPH PLACE	3	
10. BERRY STREET	3	
11. BRIARWOOD AVE	3	
12. BEECHWOOD AVE	3	
13. LAWRENCE AVE	3	
14. CHESTNUT ST (Paper Rd)	0	
15. FOREST PLACE	1	
16. SEAWOOD AVE	5	
17. GREENWOOD PLACE	1	
18. FOREST AVENUE	22	
Area #6 – Amt. of Basins - 85		

Circle # upon completion, place notes next to street name & on rear.

OPERATOR:

Date:

SWEEPER/STORM BASIN ROUTE

AREA # 7

BETWEEN FOREST AVE, SHORE BLVD, PARK AVE & MAIN ST

	Basins	Revision
1. PARK AVENUE	14	
2. BEACON BLVD	3	
3. ORCHARD STREET	0	
4. BEACONLIGHT AVE	10	
5. LAWRENCE AVE	3	
6. EVERGREEN PLACE	2	
7. WOODSIDE PLACE	1	
8. GROVE PLACE	6	
9. TWILIGHT AVENUE	14	
10. BIRCHWOOD AVENUE	6	
11. LAKEWOOD AVENUE	5	
12. WOODLAND AVENUE	8	
13. JOHNSON LANE	0	
14. SEASIDE PLACE	0	
15. WATERVIEW PLACE	0	
16. NEPTUNE PLACE	0	
17. SHORE BLVD.	20	
18. WOODSIDE AVE.	3	
Area #7 – Amt. of Basins - 95		

Circle # upon completion, place notes next to street name & on rear.

OPERATOR:

Date:

SWEEPER/STORM BASIN ROUTE

AREA #8

**BETWEEN PARK AVE, PORT MONMOUTH RD, FOREST AVE &
ATLANTIC AVENUE – (BEACON BEACH SECTION)**

	Basins	Revision
1. HOLLY STREET	4	
2. GARDEN STREET	2	
3. BEACON TERRACE	0	
4. CRESCENT STREET	16	
5. ATLANTIC STREET	3	
6. SUNSET STREET	0	
7. MORNINGSIDE AVE	0	
8. BEACON BLVD	3	
9. ORCHARD STREET	0	
10. COTTAGE PLACE	0	
11. TWILIGHT AVENUE	Basins (14) in Area #7	
12. SHADYSIDE AVENUE	0	
13. PARKSIDE PLACE	0	
14. PORT MONMOUTH ROAD	13	County
Area #8 – Amt. of Basins - 41		

Circle # upon completion, place notes next to street name & on rear.

OPERATOR:

Date:

KEANSBURG -- DPW

CATCH BASIN & CURB LINE

Total Amount of Basins - 646

Total owned by County - 50

Total owned by Boro - 596

MAINTENANCE FORMAT

ADOPTED BY DPW 1/15/97

FORMATTED ----- 1/19/02

REVISED ----- 6/09/03

Collection System Maintenance to be scheduled Spring through Summer-
Second cleaning is mandatory after leaf pick-up. This schedule will be adopted
upon arrival of Sweeper Vacuum in the summer of 2002. N Waackaack Grease
traps to be inspected monthly, and cleaned if necessary. Master list maintained
for all basins that have been cleaned. Final adoption of State regulations complying
with the federal Clean Air Act are scheduled for September 03. The main key is to
continuously sweep the roadways thereby keeping storm basin litter to a minimum.

**NOTE: SUPERVISORS TO MAINTAIN A MASTER COPY,
COPIES ARE TO BE USED AS FIELD WORK SHEETS. WORK SHEETS
TO BE FORWARDED TO THE SUPERINTENDENT TO CREATE A
MASTER DEP LIST. FILE WORKSHEETS WITH SUPERVISOR.**

SWEEPER/STORM BASIN ROUTE

AREA - A

**MAIN ROADS – ALL OF CHURCH ST. – ALL OF CARR AVE. – &
BEACHWAY FROM RARITAN AVENUE TO LAUREL AVENUE.**

AREA - B

**MAIN ROADS – ALL OF MAIN STREET & BEACHWAY FROM
MAIN STREET TO LAUREL AVENUE.**

**OPERATOR: E. DONLON - 2002 ELGIN GEO-VAC/SWEEPER
AREAS – A – 1 – 6 – 7 – 8**

**OPERATOR: J. STEIMEL – 1994 ELGIN PELICAN SWEEPER
AREAS – B – 2 – 3 – 4 – 5**

**THE FOLLOWING SWEEPER SCHEDULE WILL BE ADHERED
TO, PROVIDING MECHANICAL BREAKDOWNS, INCLEMENT
WEATHER, AND EMPLOYEE ABSENCES DO NOT INTERFERE.**

**SUMMER SCHEDULE: ALL MAIN ROADS WILL BE SWEPT
DAILY – IE: AREAS – A & B. ALL SECTIONS WILL BE SWEPT
EVERY 2 WEEKS. AGAIN THIS SCHEDULE IS CONTINGENT
UPON THE ABOVE FACTORS. PLACING TWO SWEEPERS IN OPERATION
REMOVES A MAN FROM THE ROAD CREW, AND INCREASES SWEEPINGS BY 50%.**

(13 employees)

**Breakdown – Superintendent – Road Supervisor – Asst. Supervisor
Mechanic - Mechanic**

Motor Broom Operator – Motor Broom Operator

Public Works Repairer (Beach Sanitizer)

Public Works Repairer (Transport Recycling & Debris)

3 Public Works Repairers – Road Debris & Repairs

1 Yardman – Works with Transporter – covers Saturday

SWEEPER OBSTACLES & Residents complaints

- A. The main obstacle in sweeping curb to curb on any street is a parked vehicle. The sweeper will veer around any parked vehicle leaving that part of the road untouched. There are certain roads that are impossible to sweep such as: Woodland Avenue, N. side of Hgld. Blvd & Seabreeze Way, Raritan Avenue, and the View Streets.**
- B. Alternate side of the street parking is an alternative on Hgld. Blvd. and Seabreeze, only if the residents will accept it via ordinance. A trial period can be implemented, and if it does not conform to the residents wishes in that area it should be rescinded.**
- C. Dead end streets must be handled in a safe manner. If the sweeper operator can not turn around at the dead end, he will not back up the entire street due to safety considerations.**
- D. County Roads – will also be swept by the Borough operators.**

Stormwater Management – Tier A – Solids & Floatable Controls

a. Monthly Sweeping of Certain Streets in Predominantly Commercial areas.

1. Minimum standard- Tier A Municipalities shall sweep, at a minimum of once per month (weather & St. surface conditions permitting) all Sts. That meet all of the following criteria:

- The street is owned by the Municipality.**
- The street is curbed and has storm drains.**
- The street has a posted speed limit of 35 mph or less.**
- The street is not an entrance or exit ramp.**
- The street is in a predominantly commercial area.**

2. Measurable Goal- Tier A Municipalities shall certify annually that they have met the Street Sweeping minimum standard. Tier A Municipalities must maintain records including the date and areas swept, number of miles of streets swept and the total number of materials collected. Information shall be reported to the NJ-DEP in the annual report and certification.

The Solids and Floatable controls which are maintained by implementing a strict Municipal Street Sweeping Program are further backed up by implementing additional programs mandated under the Tier A General Permit process. These programs are listed in the Borough of Keansburg SW Pollution Plan and include: Storm Drain Inlet Retrofitting * Stormwater Facility Maintenance (Basin Cleaning – And Repair) * Road Erosion Control Maintenance * Outfall Pipe STREAM Scouring Remediation (This does not include Bay OF) * Maintenance Yard Operations – Includes:

a. De-Icing b. Fueling Operations c. Vehicle Maintenance d. Housekeeping e. Vehicle Washing

The above a. to e. are also included in the annual employee training program.

SPPP Form 13 – Stormwater Facility Maintenance

Municipality
Information

Municipality: **The Borough of Keansburg**

County: **Monmouth**

NJPDES #: **NJG0149101**

PI ID #: **203010**

Team Member/Title: **Dennis O'Keefe/Director Department of Public Works**

Effective Date of Permit Authorization: **April 1, 2004**

Date of Completion: **March 6, 2005** Date of Most Recent Update: **NA**

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

The Borough of Keansburg has implemented an annual catch basin cleaning program to maintain catch basin function and efficiency. All catch basins will be inspected at least once each year. If, at the time of inspection, no sediment, trash or debris is observed in the catch basin, then that catch basin will not be cleaned. All catch basins will be inspected yearly, even if they were found to be "clean" the previous 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 basin cleaning and maintenance will be documented on the "DEP Storm Basin Inspection Log" a Department of Public Works computer database.

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 Borough of Keansburg has implemented a stormwater facility maintenance program to ensure that all stormwater facilities operated by the Borough function properly. The Borough operates the following:

- catch basins (The catch basin inspection and maintenance program is described above).
- grease traps – Seven grease traps are inspected monthly and cleaned as necessary.

These stormwater facilities will be inspected at least annually to insure that they are functioning properly. Preventative or corrective maintenance will be performed as necessary on all stormwater facilities to ensure continued proper functioning. The inspection and maintenance of catch basins is documented on the "DEP Storm Basin Inspection Log" a Department of Public Works computer database. The inspection and maintenance of grease traps is documented on the "Grease Trap Master List", a Department of Public Works computer database.

Continued Pg. 19 Storm Basin Log

9/15/10 Main & Wood Sts. – Shamrock Buss – Basin Check ok	4 units dok
9/17/10 Raritan Pump Station – see log	1 unit dok/ps
9/22/10 Bcnlght Pump Station – see log	1 unit dok/ps
9/22/10 Carr Ave. County called 9/8	22 units Cty.
9/23/10 Beaconlight/Woodland from #79 inspect ok	4 units dok
9/24/10 Pump Lead Basins – Trash Racks	2 units JD
9/30/10 Trash racks ckecked, basin tops cleaned	2 units ED/JS
10/1/10 Trash Racks cleaned, Raritan & Bcnlght.	2 units JD
10/8/10 Extension installed @ Raritan Rack cleaned	1 unit JF/JD
10/8/10 Woodland Avenue, all basins	6 basins ed/js
10/8/10 Shore Blvd. @ Bcnlght. & Lawrence	2 basins ed/js
10/8/10 Lawrence Avenue, @ Woodland	4 Basins ed/js
10/8/10 Beaconlight Avenue, entire road	13 Basins ed/js
10/12/10 Trash racks cleaned, after rain event	2 Basins ed/js
10/20/10 Creek Road – entire length	22 Basins ed/js
10/25/10 Crescent St. # 37 to # 40	4 Basins bc
11/3/10 Center Ave View St Basins	16 Basins ed/js
11/3/10 Center Ave Firemans Park	2 Basins ed/js
11/10/10 Park and Evergreen	5 Basins jd
11/10/10 Woodside Place dead end	2 Basins jd
11/17/10 Leroy Pl. New system ck & cln	19 Basins dok
12/2/10 Carr Ave & Oak St	3 Basins dok
12/10/10 Center & Pineview Rebuilt/Rodded	3 Basins jy
12/17/10 Trash Racks Cleaned Nov/Dec	12 Basins jd
Total Basins cleaned 2010	724 Basins

2011 Basin Summary

Note: Major Storm events through 2/20/11 – See Snow Reports

Pump Stations & Trash racks checked before & after Storms – See P-St. Log

3/2/11 Raritan @ Oak Sts.	4 Basins mc
3/4/11 Raritan Ave. E Shore to Center Ave.	15 Basins ed/js
4/11/11 Palmer Pl & Euclid Ave	3 Basins jd/do
5/25/11 Center Ave Bet Seaview & Ocnview	10 Basins ed/js
5/25/11 Gillette Street	5 Basins ed/js
6/1/11 Forest Ave & Evergreen	6 Basins ed/js
6/8/11 Center Ave @ Pineview	4 Basins dok

Continued Pg. 20 storm Basin Log

6/15/11 Crescent St #37 & Sunset St	5 Basins ed/js
6/22/11 Wood St entire block	10 Basins ed/js
6/22/11 Poplar St “	6 Basins ed/js
6/22/11 Horner Pl. “	4 Basins ed/js
6/22/11 Linton Pl. “	6 Basins ed/js
6/22/11 Leroy Pl. “	10 Basins ed/js
6/22/11 Moran Pl. “	2 Basins ed/js
6/22/11 Lohsen Pl “	8 Basins ed/js
6/22/11 Vogel St. “	6 Basins ed/js
6/22/11 Grove Pl. “	6 Basins ed/js
7/11/11 Hill St. Park side by hand	2 Basins jd
7/11/11 Seeley & St Peters – by hand	1 Basin jd
7/13/11 Park Ave entire block	10 Basins ed/js
7/13/11 Crescent St “	14 Basins ed/js
8/3/11 Beachway – entire run	16 Basins ed/js
8/3/11 Laurel Ave - “	7 Basins ed/js
8/3/11 Charles Ave - “	5 Basins ed/js
8/3/11 Highland Blvd.	4 Basins ed/js
8/3/11 Maplewood Ave.	7 Basins ed/js
8/14/11 Major Rain Storm 5+” Crew called out to clear & Clear Basins in Flood area – Truckload Debris removed	50 Basins jd
8/15/11 3 Crews cleaning flood effected areas	100 Basins jf/jd
8/18/11 Shore Blvd @ Lawrence Ave	4 Basins ed/js
8/18/11 Shore Blve @ Lawrence Ave	1 ManHole ed/js
8/18/11 Center Ave @ Firemans Park/Fox Ave	2 Basins ed/js
8/18/11 Beachway – Lead Basin to Pump Station	1 Basin ed/js
8/18/11 Shore Blvd. – Lead Basin to Pump Station	1 Basin ed/js
8/24/11 Crews cleaning all basin areas of Debris f/H-Irene	
8/25/11 Crews cleaning all Street/basin areas of Debris before Storm	
8/29/11 Crews cleaning all Basin tops of Debris after storm 200 Basins	200
8/29/11 Jet Rod Creek & Roland St – pipe blocked from Creek surge	3 Basins ja/jm
9/7/11 Park and Forest Aves – Forest Park area	3 Basins ed/js
9/14/11 Park and Shadyside Aves – “ Revamp	3 Basins jm/w
9/21/11 102 Park ave – control basins	2 Basins dok
9/26/11 Clear Basins, curblines in Flood areas 5 trk loads	56 Basins 3Crews
10/3/11 Clear Basins after 10/2 storm	48 Basins 3Crews
10/17/11 Clean Basins & Tops after storm	44 Basins 3Crews

Continued Pg. 21 Storm Basin Log - Basins cleared/cleaned to date – 688

12/22/11 Crews cked/cleared, cleaned all flood areas –Leaves/Branches – 10 trks

2012 Storm Basin Log

1/10/12 Forest Ave – entire run	22 Basins ed/js
1/27/12 Raritan Ave. @ E. Shore	4 Basins es/js
1/27/12 Raritan Ave. @ Oak St. Flushed line to Center Ave	9 Basins jf
2/6/12 Harding Ave Rebuilt 1-Cleaned 2 County/DPW	3 Basins jf
2/7/12 Frazee Place – entire run	8 Basins jf
2/22/12 Laurel Ave to Beachway	20 Basins ed/js
2/22/12 Charles Avenue	3 Basins ed/js
2/22/12 Maplewood Ave	2 Basins ed/js
3/9/12 Garden & Holly Sts	6 Basins ed/js
3/9/12 Hill Street	5 “ “
3/9/12 Roland Street	7 “ “
3/9/12 Willow Street	4 “ “
3/9/12 Crescent Street	2 “ “
3/9/12 DPW Yard	1 “ “
4/4/12 Crescent Street	17 Basin ed/js
4/4/12 Port Monmouth Rd.	1 Basin ed/js
4/4/12 Park Avenue	12 Basin ed/js

SPPP Form 14 - Outfall Pipe Stream Scouring Remediation

Municipality
Information

Municipality: Borough of Keansburg County: Monmouth

NJPDES #: NJG0149101 PI ID #: 203010

Team Member/Title: Dennis O'Keefe/Director Department of Public Works

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

Date of Completion: March 6, 2005 Date of most recent update: May 1, 2012

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.)

The Borough of Keansburg implemented its Outfall Pipe Stream Scouring Remediation within 18 months of the EDPA (i.e. prior to October 1, 2005).

During the outfall pipe inspection part of our illicit connection elimination program, we checked all of our outfall pipes for signs of scouring. If any sites were observed, they would have been placed on a prioritized list and repairs would have been made in accordance with the Standards for Soil Erosion and Sediment Control in New Jersey. It was anticipated that any repairs that did not require permits from the NJDEP for implementation would have been completed as a first priority.

The Borough has been following up with annual inspections of each outfall to ensure that scouring has not occurred in the last year.

The attached SPPP Form 14A has been included so that when any future instances of outfall pipe stream scouring are identified, they can be logged and the planned date for repair and method of repair can be noted. Once the repairs are complete, the repair date can also be identified on the attached form.

SPPP Form 14A – List of Sites with Outfall Pipe Stream or Stream Bank Scouring

Municipality Information	Municipality: The Borough of Keansburg		County: Monmouth
	NJPDES #: NJG0149101		PI ID #: 203010
	Team Member/Title: Dennis O'Keefe/Director Department of Public Works		
	Effective Date of Permit Authorization: April 1, 2004		
	Date of Completion: March 6, 2005 Date of Most Recent Update: NA		

Location of Outfall Pipe Stream or Stream Bank Scouring (include alphanumeric outfall identifier)	Projected Start Date for Repairs	Method of Repair	Date Repairs Completed

Notes: 1) Repairs will be prioritized based upon the extent of the problem, the need for engineering support, and the need for permits and will be scheduled accordingly.
 2) Use additional copies of this form as necessary to document all observed scouring.

Borough of Keansburg – Outfall Inventory

Bay Outfalls – East to West		Map #	Pump Recommendation	OF Replace
1. Carr Place Pump Station	58" RCP	17	N/A	Mddletwn.
2. Beaconlight Ave. OF	- 24" CMP	16	Yes # 1	Yes
3. Twilight Ave. OF	- 24" CMP	15	Yes # 4	No-New 96'
4. Bayview Ave. OF	- 36" CMP	14	Yes # 3	Yes
5. Raritan Ave. OF	- 36" CMP	13	Yes # 2	Yes
6. Carr Ave. Boardwalk OF	- 24 " CMP	12	No	Yes
7. Highland Ave. (pier)	- 24 " CMP	11	No	Yes
8. Laurel Ave. OF	- 12" CMP	10	No	Abandoned
9. Laurel Ave. @ Harbor Lights	- 12" CMP	9	No	Yes

Amt. 6

Creek Outfalls – Bay to St. Johns Park

1. Flood Gate – Closes High Tide – control 12" top of B-Head	Major - Pump(s) – 3
2. Charles St. – empties to the Marina	8" ABS - 1997
3. Maplewood Ave. "	12 " ABS – 97 – Duck Bill (Red Max)
4. Seeley Ave. @ Creek Rd.	24" RCP – Thru Bulkhead - 1999
5. Murray Lane	18" CMP - Thru Bulkhead - 1997
6. Roland St.	15" PVC – Thru Bulkhead - 1999
7. Kennedy Way	24" RCP – 4 th St./Creek - 1999
8. Frances Pl.	15" RCP – Caruso School Pickup
9. Manning Pl. (8" VCP dead head)	Aux. percolation system 2005
10. Creek Rd. off Church St.	8" ABS – Reinstalled 1997
11. Church St. – County System	42" RCP – Pt. Mon Rd./Main St. 2006
12. Wood St.	8" ABS – Partial Rebuild 1997
13. Thorne Place Culvert	Percolation System 1997
14. Leroy Pl. – between Linton & Fredrick	8" VCP-abandon w/CDBG
15. Moran Pl. – Two invert lines	12" ABS top 2008/15" RCP Bottom 1988
16. Lohsen Ave.	21" RCP shoe – Repalced 1988
17. St. Johns Fields	2 inlets entrance to drive - 1998

Total OF – Bay 8 / Creek 17 = 25 dok 3/07

Note: The Beaconlight Bay OF lead line was installed in 2/07 and has been designed by BEI to accept a mini pump station. The pump stations are listed in order of priority. Each Bay OF (3, 4 & 5) has sink hole problems street side that MUST BE ADDRESSED before p-stations are installed. The first station installed should be at the Beaconlight OF location, followed by Raritan & Bayview This installation will give the Borough an evaluation process, and allow for an easier transition with the remaining pump installations. The lead lines for these locations must be addressed as above.

Update 4/05/07 – All OF inspected for illicit connections – none found.

Update 10/04/07 – See memo to T. Cusick Re: Bayview sinkhole repair this date (Completed)

11/28/07 – Attached two reports #1 OF inventory - #2 Storm report listing avg. scenarios

Borough of Keansburg - Department of Public Works - SW Outfall Listings				SPPP FORM 7			
Scouring/Ilicit Connection inspection for Creek Outfalls - Bay Outfalls included				Scouring Priority OF 2 to 8 - OF 1 to 17 no priority			
#	Location	Inspect Date	Inspect date	Inspect date	Inspect date	Inspect date	Inspect date
	Creek Outfalls	6/29/2005	12/28/2006	6/22/2007	6/2/2008	6/8/2009	6/8/2010
1	Charles Street - 8" ABS - Thru bulkhead in Marina	ok	ok	ok	ok	ok	ok
2	Maplewood Ave. - 12" ABS - Thru bulkhead in Marina	ok	ok	ok	ok	ok	ok
3	Seeley Ave/Creek Rd. - 24" RCP - Thru bulkhead	ok	ok	ok	ok	ok	ok
4	Murray Lane - 18" CMP - Thru bulkhead	ok	ok	ok	ok	ok	ok
5	Roland St/Creek Rd. - 15" Trans. - Thru bulkhead	ok	ok	ok	ok	ok	ok
6	Kennedy Way @ Bridge N. side - 18" RCP - direct	ok	ok	ok	ok	ok	ok
7	Kennedy Way @ Bridge S. side - 18" RCP - direct	ok	ok	ok	ok	ok	ok
8	Frances Pl. - 15" RCP - Thru housing Pking. Lot	ok	ok	ok	ok	ok	ok
9	Manning Pl. - 8" VCP - Backup w/Perc system 2005	ok	ok	ok	ok	ok	ok
10	Creek Rd. off Church St. - 8" ABS - 1 inlet	ok	ok	ok	ok	ok	ok
11	Church St/Monroe Ave. @ Bridge S. side - 42" RCP	County	County	County	County	County	County
12	Wood St. - 8" ABS - direct drop - High in weed area	ok	ok	ok	ok	ok	ok
13	Thorne Pl. - Culvert - perc system - fenced in	exempt	exempt	exempt	exempt	exempt	exempt
14	Leroy Pl./between Linton & Frederick Pl. - 8" VCP	buried	buried ok	ok	ok	ok	ok
15	Moran Pl. - 15" RCP - direct drop - High in weed area	ok	ok	ok 2 lines	rehab ok	ok	ok
16	Lohsen Ave. - 18" RCP - shoe lead w/ gravel	ok	ok	ok	ok	ok	ok
17	St Johns Park - 21" RCP - shoe lead w/lg. blue rock	ok	ok	ok	ok	ok	ok
#	Location	Bay Outfalls					
1-Jan	Carr Place Pump Station - East Beacon Beach	#17	Mddletwn.	Mddletwn.	Mddletwn.	Mddletwn.	Mddletwn
2	Beaconlight Outfall - 24" CMP - Rating Poor	#16	Reconstruct	Start 1/06	complete	blocked	blocked
3	Twilight Avenue - 24" CMP - Rating Avg. 1994	#15	damage/bik	damage/bik	damage/bik	partial blk	partial blk
4	Bayview Avenue - 42" CMP - Rating Poor	#14	blocked	blocked	blocked	blocked	blocked
5	Raritan Avenue - 24" CMP - Rating Poor	#13	blocked	ok	blocked	blocked	blocked
6	Boardwalk/Midway Outfall - 24" - Rating Poor	#12	ok	blocked	blocked	blocked	blocked
7	Pier Outfall - 24" CMP - Rating Poor	#11	blockage	Test pit	blocked	blocked	blocked
8	Beachway - Collichio - 18" CMP - Rating Poor	#9	blocked	blocked	blocked	blocked	blocked
		#10	abandon				
	Lead Lines - Blocked						
	Twilight	partial blockage 70' in from Shore Blvd,					
	Raritan & Bayview Total Blockage Beachway to VC Box	OF #s 11- 12 - 13 - 14 - & 16 scheduled for replacement, completion 1/1/12					
	Beaconlight - New lead line OK						
	Pump assist #2 & # 5- OF replace 10/10						
		1 of 1					

6/11/2011	6/11/12
ok	
ok	
ok	
ok	
ok	
ok	
ok	
ok	
ok	
ok	
ok	
County	
ok	
exempt	
ok	
ok	
ok	
ok	
Middletn.	
pump assist	
partial block	
blocked	
pump assist	
blocked	
blocked	
blocked	

SPPP Form 15 – De-icing Material and Sand Storage

Municipality Information	Municipality: The Borough of Keansburg	County: Monmouth
	NJPDES #: NJG0149101	PI ID #: 203010
	Team Member/Title: Dennis O'Keefe/Director Department of Public Works	
	Effective Date of Permit Authorization: April 1, 2004	
	Date of Completion: March 6, 2005 Date of Most Recent Update: NA	

De-icing Material and Sand 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 Borough of Keansburg currently stores its de-icing salt in a permanent structure at the Public Works Yard located at 40 Frazee Place in accordance with the Statewide Basic Requirements. De-icing material handling will be conducted in accordance with section 3.2 of the Standard Operating Procedure for Good Housekeeping.

The Borough of Keansburg does not store sand.

SPPP Form 16 – Standard Operating Procedures

Municipality Information	Municipality: The Borough of Keansburg County: Monmouth NJPDES #: NJG0149101 PI ID #: 203010 Team Member/Title: Dennis O'Keefe/Director Department of Public Works Effective Date of Permit Authorization: April 1, 2004 Date of Completion: March 6, 2005 Date of Most Recent Update: NA		
	Standard Operating Procedure (SOP)	Date SOP Went Into Effect	Describe Your Inspection Schedule
	Fueling Operations (including the required practices listed in Attachment D of the permit)	April 1, 2005	<i>Our only fueling facility, located in the Public Works Yard at 40 Frazee Place, will be inspected at least once per month.</i>
	Vehicle Maintenance (including the required practices listed in Attachment D of the permit)	April 1, 2005	<i>We will perform monthly inspections of vehicle maintenance operations in order to ensure that the Standard Operating Procedure is followed.</i>
	Good Housekeeping Practices (including the required practices listed in Attachment D of the permit) Attach Inventory list required by Attachment D of the permit.	April 1, 2005	<i>Monthly inspections of the Public Works Yard at 40 Frazee Place will be performed.</i>

THE BOROUGH OF KEANSBURG - STORMWATER POLLUTION PREVENTION PLAN
INVENTORY OF MATERIALS/MACHINERY WHICH COULD BE A SOURCE OF STORMWATER POLLUTION
 NJPDES Permit # NJG0149101 PI ID #203010 **Page 1 of 5**

Municipal Maintenance Yard Location: *Public Works Yard at 40 Frazee Place*

Date of Inventory: *March 14, 2005*

POTENTIAL SOURCE OF STORMWATER POLLUTANTS	PRESENT? (Y/N)	COMMENTS
<i>Bulk Storage Tanks & Appurtenances (gasoline, diesel, etc.)</i> Aboveground Storage Tanks & Associated Piping, Secondary Containment	Y	One 2,000 gallon gasoline tank and one 500 gallon diesel tank located in the Public Works Yard. Both tanks are double-walled with leak detection. No exposure to stormwater. One 240 gallon waste oil tank located inside the Mechanics Garage. No exposure to stormwater.
Underground Storage Tanks & Associated Piping	N	
Bulk Loading and Unloading Areas	Y	Bulk-fueling area for aboveground gasoline and diesel tanks in the Public Works Yard. Bulk fueling activities will be conducted in accordance with the Standard Operating Procedure for Vehicle and Equipment Fueling.
Pumping Stations & Associated Piping	Y	Pumping facilities associated with the aboveground gasoline and diesel tanks located in the Public Works Yard. These facilities will be operated and maintained in accordance with the Standard Operating Procedure for Vehicle and Equipment Fueling.
Mobile Tanks and Associated Pumping Equipment	N	
Silos or Rail Cars	N	

THE BOROUGH OF KEANSBURG - STORMWATER POLLUTION PREVENTION PLAN
INVENTORY OF MATERIALS/MACHINERY WHICH COULD BE A SOURCE OF STORMWATER POLLUTION
NJPDES Permit # NJG0149101 PI ID #203010
Page 2 of 5

Municipal Maintenance Yard Location: *Public Works Yard at 40 Frazee Place*

Date of Inventory: *March 14, 2005*

POTENTIAL SOURCE OF STORMWATER POLLUTANTS	PRESENT? (Y/N)	COMMENTS
<i>Storage and Staging Areas</i>		
Drum Storage Pads/Areas (fuels, lubricants, antifreeze, solvents, paints & other coatings, detergents/cleaning chemicals, fertilizers, pesticides, etc.)	Y	All drum storage is located inside the Mechanics Garage and other buildings. <u>No exposure to stormwater.</u>
Waste & Scrap Material Storage Pads/Areas	Y	Small quantities of scrap metal stored for short periods of time in a three-sided bin with an asphalt floor at the north end of the Public Works Yard.
Recyclable Storage Pads/Areas (oil, batteries, household chemicals, etc.)	N	
Chemical Storage Cabinets/Closets/Lockers (fuels, lubricants, antifreeze, solvents, paints & other coatings, detergents/cleaning chemicals, fertilizers, pesticides, etc.)	Y	All chemical storage is located inside the buildings. <u>No exposure to stormwater.</u>
Waste in Dumpsters or other Containers	Y	One covered solid waste dumpster near the northwest corner and two open topped dumpsters for "litter can" waste in plastic bags at the south end of the Public Works Yard. <u>Little or no exposure to stormwater.</u>
Recyclables in Dumpsters or other Containers	Y	One open topped dumpster for bottles and cans, one open topped dumpster for cardboard and one covered dumpster for newspaper near the north end of the Public Works Yard.
De-icing Material Storage/Loading Areas	Y	De-icing salt stored in a permanent structure on the east side of the Public Works Yard. <u>No exposure to stormwater.</u>
Sand Storage/Loading Areas	N	
Soil/Leaf Storage (top soil, compost, etc.)	Y	Brush and mulch and street sweepings stored in three-sided concrete bins with concrete floors resulting in minimal stormwater run-on/runoff. Leaves stored in a pile near the south end of the Public Works Yard. This portion of the facility is surrounded by soil berms and concrete walls resulting in little or no stormwater run-on/runoff.
Raw Material Storage (sheet metal, treated lumber, other building materials, etc.)	Y	Cold patch and bluestone stored in three-sided concrete bins with concrete floors resulting in little or no stormwater run-on/runoff.
Other	Y	Concrete and asphalt rubble stored in three-sided concrete bins with concrete floors resulting in little or no stormwater run-on/runoff. This portion of the facility is surrounded by soil berms and concrete walls, further preventing stormwater run-on/runoff.

THE BOROUGH OF KEANSBURG - STORMWATER POLLUTION PREVENTION PLAN INVENTORY OF MATERIALS/MACHINERY WHICH COULD BE A SOURCE OF STORMWATER POLLUTION NJPDES Permit # NJG0149101 PI ID #203010 Municipal Maintenance Yard Location: <i>Public Works Yard at 40 Frazee Place</i> Date of Inventory: <i>March 14, 2005</i>			
POTENTIAL SOURCE OF STORMWATER POLLUTANTS	PRESENT? (Y/N)	COMMENTS	
<i>Drainage Systems/Areas (that may discharge to the Municipal Stormwater System)</i>			
Floor Drains	Y	Floor drains in Mechanics Garage and attached buildings drain to a concrete lined vault. <u>No exposure to stormwater and no discharges to the environment.</u>	
Sumps, Drywells, Pipes or Trenches	N		
Process Area Sinks and Associated Piping	Y	Self-contained parts cleaning sink located inside the Mechanics Garage. <u>No exposure to stormwater and no discharges to the environment.</u>	
Septic Systems, Leachfields or Seepage Pits	N		
Roof Leaders (when process operations occur on or vent to the roof or when materials are stored on the roof)	N		
Drainage Swales & Culverts	N		
Other	N		

THE BOROUGH OF KEANSBURG - STORMWATER POLLUTION PREVENTION PLAN
INVENTORY OF MATERIALS/MACHINERY WHICH COULD BE A SOURCE OF STORMWATER POLLUTION
Page 4 of 5

NJPDES Permit # NJG0149101 PI ID #203010

Municipal Maintenance Yard Location: *Public Works Yard at 40 Frazee Place*

Date of Inventory: *March 14, 2005*

POTENTIAL SOURCE OF STORMWATER POLLUTANTS	PRESENT? (Y/N)	COMMENTS
<i>Other Potential Sources</i>		
Vehicle/Machinery Storage Areas	Y	Approximately 90% of the vehicles and heavy equipment, including all diesel fueled vehicles/equipment, are stored inside the garages. The remaining vehicles are stored outside in the Public Works Yard. All vehicles stored in the yard were in excellent condition and no leaks of oil or other fluids were observed.
Vehicle/Machinery Maintenance Areas	Y	All vehicle maintenance is performed inside the Mechanics Garage. <u>No exposure to stormwater.</u>
Air Compressor Vent Discharges	N	Two air compressors, one main and one back-up, are located inside the Mechanics Garage. <u>No exposure to stormwater.</u>
Electrical Transformers & Capacitors	N	
Boilers or Incinerators	N	
Other	N	

THE BOROUGH OF KEANSBURG - STORMWATER POLLUTION PREVENTION PLAN
INVENTORY OF MATERIALS/MACHINERY WHICH COULD BE A SOURCE OF STORMWATER POLLUTION
 NJPDES Permit # NJG0149101 PI ID #203010
 Page 5 of 5

STORMWATER POLLUTION PREVENTION TECHNIQUES

General Good Housekeeping

All containers should be properly labeled and marked, and the labels must remain clean and visible.

All containers must be kept in good condition and tightly closed when not in use.

When practical, chemicals, fluids and supplies should be kept indoors.

If containers are stored outside, they must be covered and placed on spill platforms or in an area graded and/or bermed to prevent run-through of stormwater.

Keep storage areas clean and well organized.

Spill kits and drip pans must be kept near any liquid transfer areas, protected from rainfall.

Absorbent spill clean-up materials must be available in maintenance areas and shall be disposed of properly after use.

Trash, dirt and other debris should be placed in a dumpster or other suitable container.

Collect waste fluids in properly labeled containers and dispose of them properly.

Salt/Deicing Material & Sand Handling

During loading and unloading of salt and de-icing materials, prevent and/or minimize spills. If salt or de-icing materials are spilled, remove the materials using dry cleaning methods. All collected materials shall be either reused or properly discarded.

Sweeping should be conducted once a week to get rid of dirt and other debris. Sweeping should also be conducted immediately following loading/unloading activities, when practical.

Minimize the tracking of materials from storage and loading/unloading areas.

Minimize the distance that salt and de-icing materials are transported during loading/unloading activities.

Any salt or deicing materials that are stored outside must be tarped when not actively being used.

If interim seasonal tarping is being implemented, de-icing materials may be stored outdoors only between October 15th through April 30th.

Sand may be stored outside & uncovered if a 50-ft setback is maintained from storm sewer inlets, stormwater conveyance channels and surface water bodies. Covered sand does not require the 50-ft setback.

Spill Cleanup

Absorbent spill clean-up materials and/or spill kits should be available in fueling areas and on mobile fueling vehicles.

Spills should be cleaned up immediately after discovery.

Spills should be cleaned up using dry cleaning methods only.

SPPP Form 17 – Employee Training

Municipality Information

Municipality: **The Borough of Keansburg** County: **Monmouth**
 NJPDES #: **NJG0149101** PI ID #: **203010**
 Team Member/Title: **Dennis O'Keefe/Director Department of Public Works**
 Effective Date of Permit Authorization: **April 1, 2004**
 Date of Completion: **March 6, 2005** Date of Most Recent Update: **NA**

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

The following topics will be covered by an annual classroom training program:

Topic	Who Will Attend
<i>Waste Disposal Education</i>	<i>Selected Clerks and possibly Police Department personnel</i>
<i>Municipal Ordinances</i>	<i>Selected Code Enforcement, Police Department and Public Works Employees</i>
<i>Yard Waste Collection Program</i>	<i>Selected Public Works Employees</i>
<i>Street Sweeping</i>	<i>Selected Public Works Employees</i>
<i>Stormwater Facility Maintenance</i>	<i>Selected Public Works Employees</i>
<i>Road Erosion Control</i>	<i>Selected Public Works Employees</i>
<i>Construction Activity/Post-Construction Stormwater Management in New Development and Redevelopment (for municipally owned projects).</i>	<i>Selected Public Works Employees</i>

The following topics may include classroom training and some field training:

Topic	Who Will Attend
<i>Maintenance Yard Operations (Including ancillary operations) (Field training will include the SOP's for fueling, vehicle maintenance, general good housekeeping and good housekeeping for de-icing material storage).</i>	<i>Selected Public Works Employees and other people who use the vehicle fueling facility.</i>

Dates for the above-described annual training programs have yet to be determined, but the training will begin by April 1, 2005.

SPPP FORM 17

SPPP FORM 17

Note: SW Train. Log on Word Perf. Book 1

Excel Of Listings File

Employees Attending - Refer to Sign in Sheets						
Topics	Date(s)	Date(s)	Date(s)	Date(s)	Date(s)	Date(s)
	2/7/2006	1/17/2007	1/29/2008	2/6/2009	1/6/2010	2/2/2012
1. Waste Disposal	4/20/2006	7/11/2007	5/5/2008	3/18/2009	5/5/2010	3/2/2011
	10/4/2006		5/28/2008	9/24/2009	5/21/2010	3/30/2011
2. Minicipal Ordinances	11/3/2006		10/23/2008	10/22/2009	9/22/2010	4/27/2011
			11/7/2008	11/12/2009	10/21/2010	8/31/2011
3. Yard Waste Collection Program					12/10/2010	
					12/15/2010	
4. Illicit Connection Elim. & OF Mapping		Date >	Employees	DPW Initials		
5. Street Sweeping			1			
6. SW Facility Maintenance			2			
7. Road Erosion Control and: - OF Pipe Stream Scouring Remediation			3			
			4			
8. Maintenance Yard Operations			5			
9. Construction Activity / Post Construction SW Mngmnt. - in New Development & Redevelopment			6			
			7			
10. Ordinance #1499 - SW Inlets & Manholes introduced 9/22/10						
11. Ordinance #1500 - SW Containers/Dumpsters introduced 9/22/10			8			
Nbote: The Numbered Topics above are not all covered at every meeting but all Topics are reviewed throughout the year - see Training sheets			9			
			10			
			11			
			12			

SPPP Signature Page

Municipality
Information

Municipality: Borough of Keansburg County: Monmouth

NJPDES # : NJG0149101 PI ID #: 203010

Team Member/Title: Chief Raymond O'Hare, Borough Manager

Effective Date of Permit Authorization (EDPA): April 1, 2004

Date of Completion: March 6, 2--5 Date of most recent update: May 1, 2012

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

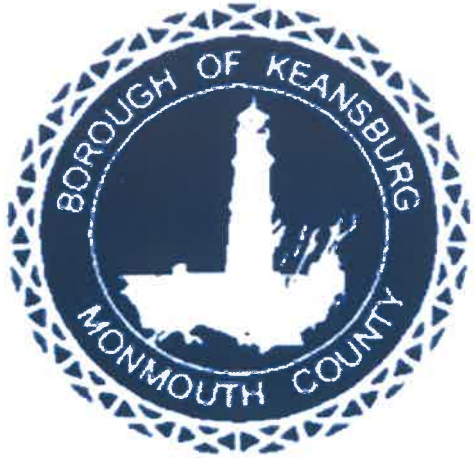
(Signature)

(Date)

Chief Raymond O'Hare
(Print Name)

Borough Manager
(Title)

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



Borough of Keansburg Stormwater Pollution Prevention Plan

Standard Operating Procedure For Vehicle and Equipment Fueling

Revision No. 1 Effective Date – 04/01/05

1.0 PURPOSE

This procedure provides instructions for delivering fuel into vehicles, equipment, mobile fuel tanks, and storage tanks in a manner that ensures the safety of Borough personnel and the public as well as minimizing any impact on surface or groundwater.

2.0 APPLICABILITY/SCOPE

This procedure is applicable to all Borough personnel who participate in delivering fuel into vehicles, equipment, mobile fuel tanks, and storage tanks at the Public Works Yard at 40 Frazee Place as well as those who participate in mobile fueling operations in the Borough of Keansburg.

3.0 PROCEDURE

3.1 Vehicle and Equipment Fueling

- ✓ Mobile fueling shall be minimized. Whenever practical, vehicles and equipment shall be transported to the designated fueling area in the Public Works Yard.
- ✓ Clearly post, in a prominent area of the facility, instructions for safe operation of fueling equipment, and appropriate contact information for the person(s) responsible for spill response.
- ✓ Shut the engine off on the vehicle or equipment to be fueled.
- ✓ Verify that the fuel is the proper type for the vehicle or equipment.
- ✓ Ensure that absorbent spill clean-up materials or spill kits are available in the fueling area and on mobile fueling equipment.
- ✓ Nozzles used in vehicle and equipment fueling shall be equipped with an automatic shut-off to prevent overfill.
- ✓ Fuel tanks shall not be “topped off”. Allow sufficient room for expansion and to prevent spillage during vehicle movement.

3.2 Bulk Fueling

- ✓ A trained employee must always be present to supervise during bulk fuel transfers.
- ✓ Drip pans or absorbent pads shall be used under all hose and pipe connections and other leak-prone areas during bulk fueling.
- ✓ Block storm sewer inlets, or contain tank trucks used for bulk fuel transfer, with temporary berms or temporary absorbent booms during the transfer process. If temporary berms are being used instead of blocking the storm sewer inlets, all hose connection points associated with the transfer of fuel must be within the temporary berms during the loading/unloading of fuels.

3.3 Spill Response and Reporting

- ✓ In the event of a spill, call the Borough of Keansburg Emergency Line at 732-787-0600.
- ✓ Conduct cleanups of any fuel spills immediately after discovery.
- ✓ Spills are to be cleaned up using dry cleaning methods only. Spills shall be cleaned up with a dry, absorbent material (e.g., kitty litter, sawdust, etc.) and the absorbent materials shall be swept up as soon as possible after the spilled fuel has been absorbed.
- ✓ Spill cleanup waste material is to be disposed of properly.

3.4 Maintenance and Inspection

- ✓ Fueling areas and storage tanks shall be inspected monthly.
- ✓ Keep an ample supply of spill cleanup material near the site of vehicle and equipment fueling and bulk fuel transfer operations.
- ✓ Any equipment, tanks, pumps, piping and fuel dispensing equipment found to be leaking or in disrepair must be repaired or replaced immediately.
- ✓ The valves on the discharge pipes from any secondary containments for aboveground fuel storage tanks shall remain closed at all times except as described below. Visual inspections shall be performed before discharging stormwater through the valve, to ensure that fuel from the tank has not come into contact with the stormwater to be discharged.

3.5 References

- ✓ Borough of Keansburg Stormwater Pollution Prevention Plan.
- ✓ New Jersey Pollutant Discharge Elimination System, Tier A Municipal Stormwater General Permit No. NJG0149101.



Borough of Keansburg Stormwater Pollution Prevention Plan

Standard Operating Procedure For Vehicle Maintenance

Revision No. 1 Effective Date – 04/01/05

1.0 PURPOSE

This procedure provides instructions for performing vehicle maintenance in a manner that ensures that proper consideration is given to spill prevention, containment and countermeasures, waste management, and pollution control, in order to minimize the impact of maintenance activities on the environment.

2.0 APPLICABILITY/SCOPE

This procedure is applicable to all Borough personnel and contractors who participate in vehicle maintenance activities at the Public Works Yard at 40 Frazee Place or other areas where vehicle maintenance may be performed in the Borough of Keansburg.

3.0 PROCEDURE

3.1 Vehicle Maintenance

- ✓ Vehicle and equipment maintenance shall only be conducted in areas designated by the Director Department of Public Works.
- ✓ Ensure that absorbent spill clean-up materials or spill kits are available in the vehicle maintenance area.
- ✓ Whenever possible, perform all vehicle and equipment maintenance at an indoor location with a paved floor.
- ✓ For projects that must be performed outdoors and that last more than one day, portable tents, tarps, or other covers must be placed over the equipment being serviced when it is not being worked on. If the machinery is not exposed (e.g., hood of vehicle can be closed, tractor engine cover is replaced, etc.), then no cover is required.
- ✓ Drip pans or other containment devices must be used if the equipment that is being serviced could possibly leak fuel, oil, hydraulic fluids or other fluids, and will be left outside for a time period of greater than one day.
- ✓ Maintenance areas shall be protected from stormwater run-on and runoff, and shall be located at least 50 feet downstream from drainage facilities and watercourses.

- ✓ Properly dispose of or recycle batteries, fuels, oils, grease, lubricants, antifreeze and other hazardous materials. **Do not dump any of these materials on the ground or into a storm drain or watercourse.** Collect waste fluids in properly labeled containers and dispose of properly.
- ✓ Properly dispose of or recycle waste tires. **Do not bury tires.**

3.2 Spill Prevention, Response and Reporting

- ✓ Provide spill containment dikes or other secondary containment around stored oils and other fluid storage containers.
- ✓ In the event of a spill, call the Borough of Keansburg Emergency Line at 732-787-0600.
- ✓ Conduct cleanups of any spills of fuels, oils, lubricants, antifreeze and other hazardous materials immediately after discovery.
- ✓ Spills are to be cleaned up using dry cleaning methods only. Spills shall be cleaned up with a dry, absorbent material (e.g., kitty litter, sawdust, etc.) and the absorbent materials shall be swept up as soon as possible after the spilled material has been absorbed.
- ✓ Spill cleanup waste material is to be disposed of properly.

3.3 Maintenance and Inspection

- ✓ Periodically check vehicle/equipment maintenance areas for leaking or damaged equipment or containers and make repairs as necessary.

3.4 References

- ✓ Borough of Keansburg Stormwater Pollution Prevention Plan.
- ✓ New Jersey Pollutant Discharge Elimination System, Tier A Municipal Stormwater General Permit No. NJG0149101.



Borough of Keansburg Stormwater Pollution Prevention Plan

Standard Operating Procedure For Good Housekeeping

Revision No. 1 Effective Date – 04/01/05

1.0 PURPOSE

This procedure provides the basic practices of good housekeeping to be implemented at maintenance yards or other areas where maintenance may be performed in the Borough of Keansburg, in a manner that ensures that proper consideration is given to spill prevention, containment and countermeasures, waste disposal and recycling, and pollution control, in order to minimize the impact of maintenance yard activities on the environment.

2.0 APPLICABILITY/SCOPE

This procedure is applicable to all Borough personnel and contractors who work at the Public Works Yard at 40 Frazee Place or other areas where maintenance may be performed in the Borough of Keansburg.

3.0 PROCEDURE

3.1 General Good Housekeeping

- ✓ All containers should be properly labeled and marked, and the labels must remain clean and visible.
- ✓ All containers must be kept in good condition and tightly closed when not in use.
- ✓ Whenever practical, chemicals, fluids and supplies should be stored indoors.
- ✓ If containers are stored outside, they must be covered and placed on spill platforms.
- ✓ Keep storage areas clean and well organized.
- ✓ Spill kits and drip pans must be kept near any liquid transfer areas, protected from rainfall.
- ✓ Absorbent spill clean-up materials must be available in maintenance areas and shall be disposed of properly after use.
- ✓ Place trash, dirt and other debris in a dumpster or other appropriate waste container.
- ✓ Collect waste fluids in properly labeled containers and dispose of them properly.
- ✓ Establish and maintain a recycling program including the provision of containers for recycling paper, cans, and bottles.

3.2 Sand, Salt and De-icing Material Handling

- ✓ Prevent or minimize spills during loading and unloading of sand, salt and de-icing materials. If salt or de-icing materials are spilled, remove the spilled materials using dry cleaning methods. All collected materials shall either be reused or disposed of properly.
- ✓ Sand, salt and de-icing material storage areas should be swept at least once per week to remove dirt and debris. Sweeping should also be conducted immediately following loading/unloading activities, when practical.
- ✓ If interim seasonal tarping is being implemented pending the construction of permanent indoor storage, salt and de-icing materials may be stored outdoors only during the October 15th through April 30th period.
- ✓ Minimize the tracking of materials from storage and loading/unloading areas.
- ✓ Minimize the distance that sand, salt and de-icing materials are transported during loading/unloading activities.
- ✓ Any salt or de-icing materials that are stored outside must be tarped when not actively being used.
- ✓ Sand may be permanently stored outdoors and uncovered, as long as a 50-foot setback is maintained from any storm sewer inlets, ditches or other stormwater conveyance channels, and surface water bodies. For sand stored in three-sided uncovered bins, the 50-ft setback is measured from the open side of the bin. If the sand is covered, the 50-ft setback is not required.

3.3 Spill Prevention, Response and Reporting

- ✓ Provide spill containment dikes or other secondary containment around stored oils and other fluid storage containers.
- ✓ In the event of a spill, call the Borough of Keansburg Emergency Line at 732-787-0600.
- ✓ Conduct cleanups of any spills of fuels, oils, lubricants, antifreeze and other hazardous materials immediately after discovery.
- ✓ Spills are to be cleaned up using dry cleaning methods only. Spills shall be cleaned up with a dry, absorbent material (e.g., kitty litter, sawdust, etc.) and the absorbent materials shall be swept up as soon as possible after the spilled material has been absorbed.
- ✓ Spill cleanup waste material is to be disposed of properly.

3.4 Maintenance and Inspection

- ✓ Periodically check for leaking or damaged equipment or containers and make repairs as necessary.
- ✓ Perform monthly inspections of all (indoor and outdoor if applicable) storage locations.

3.5 References

- ✓ Borough of Keansburg Stormwater Pollution Prevention Plan.
- ✓ New Jersey Pollutant Discharge Elimination System, Tier A Municipal Stormwater General Permit No. NJG0149101.

