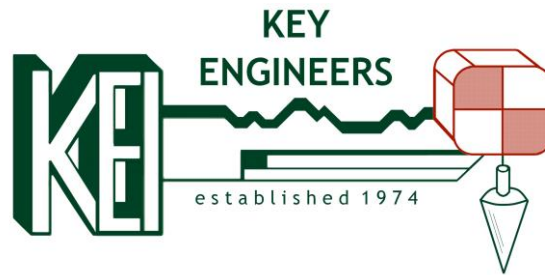


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Stormwater Pollution Prevention Plan

for the
Borough of Audubon Park
Camden County, New Jersey

October 3, 2013
Revised December 1, 2017

Gregory B. Fusco, P.E., P.P., C.M.E.
New Jersey License No. 32853



Tier A Municipal Stormwater Regulation Program

Stormwater Pollution Prevention Team Members

Number of team members may vary.

Completed by: *Gregory B. Fusco, P.E.*

Title: Audubon Park Borough Engineer

Date: October 3, 2013

Municipality: Borough of Audubon Park

County: Camden

NJPDES #: NJG NJ0141852

PI ID #: 98891

Stormwater Program Coordinator: Gregory B. Fusco, P.E.

Title: Borough Engineer

Office Phone #: 856-767-6111

Emergency Phone #: 856-296-4192

Public Notice Coordinator: Dawn Pennock

Title: Borough Clerk

Office Phone #: 856-547-5236

Emergency Phone #: 856-547-7869

Post-Construction Stormwater Management Coordinator: Gregory B. Fusco, P.E.

Title: Borough Engineer and Planner

Office Phone #: 856-767-6111

Emergency Phone #: 856-296-4192

Local Public Education Coordinator: Dawn Pennock

Title: Borough Clerk

Office Phone #: 856-547-5236

Emergency Phone #: 856-547-7869

Ordinance Coordinator: Stuart A. Platt

Title: Borough Solicitor

Office Phone #: 856-547-7733

Emergency Phone #: 856-784-1555

Public Works Coordinator: Kenneth Whalen

Title: Public Works Supervisor

Office Phone #: 856-547-5236

Emergency Phone #: 856-547-7869

Employee Training Coordinator: Kenneth Whalen

Title: Public Works Coordinator

Office Phone #: 856-547-5236

Emergency Phone #: 856-547-7869

Other: Dawn Thompson

Title: Chief Financial Officer

Office Phone #: 856-547-5236

Emergency Phone #: 856-547-7869

SPPP Form 2 - Public Notice

Municipality
Information

Municipality: Audubon Park Borough County: Camden

NJPDES # : NJG NJ0141852 PI ID #: 98891

Team Member/Title: Dawn Pennock, Borough Clerk

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

Date of Completion: June 2005 Date of most recent update: 10-3-13

Briefly outline the principal ways in which you comply with applicable State and local public notice requirements when providing the 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 Audubon Park 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 Audubon Park 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 Borough of Audubon Park complies with those requirements.

Our Council meetings are held the first Monday of the month, 8:00 pm.

SPPP Form 3 – New Development and Redevelopment Program

Municipality
Information

Municipality: Audubon Park Borough County: Camden

NJPDES # : NJG NJ0141852 PI ID #: 98891

Team Member/Title: Dawn Pennock, Borough Clerk

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

Date of Completion: _____ Date of most recent update: 10-3-13

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 and 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 report.

To control stormwater from new development and redevelopment projects throughout the Borough of Audubon Park (including projects we operate) we will do the following:

We are already ensuring that all new residential development and redevelopment projects that are subject to the Residential Site Improvement Standards for stormwater management (including the N.J.D.E.P. Stormwater Management rules N.J.A.C. 7:8, referenced in those standards) are in compliance with those standards. Our municipal engineer endures such compliance before issuing preliminary or final subdivision or site plan approvals under the Municipal Land Use Law.

Since the last SPPP update, the Borough of Audubon Park has reconstructed Road A, Phase III. The project was constructed in compliance with our municipal stormwater control ordinance. 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 ordinance.

*The Municipal Stormwater Management Plan was council approved on
The Stormwater Control Ordinance was council approved on*

Any storm drain inlets that we install will 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 standards for such inlets.

The plan and ordinance have been adopted by our Borough Council.

The ordinance will control stormwater from non-residential development and redevelopment projects. Where it is necessary to implement the municipal stormwater management plan, the approved ordinance will also control aspects of residential development and redevelopment projects that are not subject to the Residential Site Improvement Standards.

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

The Borough of Audubon Park will also enforce, through the municipal stormwater control ordinance, compliance with the design standards in Attachment C our permit to control passage of solid and floatable materials through storm drain inlets. The Borough of Audubon Park expects that for most projects, such compliance will be achieved either by conveying flows through a trash rack as described in the "Alternative Device Exemptions," or (for flows not conveyed through such a trash rack), by installation of the N.J.D.O.T. bicycle safe grate and a curb opening with a clear space no bigger than two inches across the smallest dimension.

SPPP Form 4- Local Public Education Program

Municipality Information

Municipality: Audubon Park Borough County: Camden

NJPDES # : NJ0141852 PI ID #: 98891

Team Member/Title: Gregory B. Fusco, Borough Engineer

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

Date of Completion: _____ Date of most recent update: *December 1, 2017*

Local Public Education Program

Describe your Local Public Education Program. Be specific on how you will distribute your education 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 Public Education Plan promotes, publicize, and facilitate watershed education for the purpose of encouraging the public to reduce the discharge of pollutants in stormwater to the maximum extent practicable. Pollution prevention shall be encouraged.

Our Public Education Plan was created as a set of messages, communication methods, education activities, and evaluation approaches designed to educate individuals and organizations contributing to stormwater pollution, as well as individuals and organizations which can help support the public education process.

The Public Education Plan was built upon the unique location, characteristics, concerns, and opportunities within the Borough. At the same time, the Public Education Plan recognized the geographic location of the local jurisdiction within the subwatershed and the potential for cooperation and collaboration with other municipalities within the subwatershed.

The Public Education Plan is considered a dynamic plan which is modified by the local government as new information becomes available. On an annual basis, the Public Education Plan will be reviewed and updated.

Our annual event this year was held during our 4th of July celebration, 2010.

Our quarterly newsletters were distributed.

The Public Education Plan was designed to accomplish the following as appropriate based on the potential impact on the watershed:

- a. Encouragement of public reporting of the presence of illicit discharge or improper disposal of materials into the applicant's separate stormwater drainage.*
- b. Education of the public on the availability, location and requirements of facilities for disposal or drop-off of household hazardous wastes, travel trailer sanitary wastes, chemicals, grass clippings, leaf litter, animal wastes, and motor vehicle fluids.*
- c. Education of the public regarding acceptable application and disposal of pesticides and fertilizers.*
- d. Education of the public concerning preferred cleaning materials and procedures for residential car washing.*
- e. Education of the public concerning the ultimate discharge point and potential impacts from pollutants from the separate stormwater drainage system serving their place of residence.*
- f. Education of the public about their responsibility and stewardship in their watershed.*
- g. Education of the public concerning management of riparian lands to protect water quality.*

The Borough is aware of the program 10 Point Public Notification System and will educate the residents and businesses following the Program Guidelines. The Borough has notified the Community in the following manner:

- Audubon Park Boro Website – 1 point*
- Stormwater Display – 2 points*
- Utilize Department Materials – 2 points*
- School Presentation – 1 point*
- Mailing (Council Connection) – 3 points*
- Partnership Agreement / Local Event – 3 points*

SPPP Form 5 – Storm Drain Inlet Labeling

Municipality
Information

Municipality: Audubon Park Borough County: Camden

NJPDES # : NJ0141852 PI ID #: 98891

Team Member/Title: Kenneth Whalen, Public Works Supervisor

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

Date of Completion: _____ Date of most recent update: *December 1, 2017*

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.

Our Department of Public, headed by Kenneth Whalen, has labeled all forty six (46) storm drain structures throughout our jurisdiction.

The storm drain labels are highly visible and contain a brief statement that prohibits dumping of improper materials into the urban runoff conveyance system. The labels are placed in clear sight facing toward anyone approaching the inlet from either side. The legibility of the labels will be maintained.

The Borough of Audubon Park labeled all storm drain inlets that are along municipal roads and all storm drain inlets within plazas, parking areas, or maintenance yards that are operated by the Borough of Audubon Park.

The plastic labels were ordered from an approved N.J.D.E.P. manufacturer. All installation procedures conformed with the manufacturer's installation guidelines. The labels are plastic and were applied with an adhesive.

Attached is a map of the municipality, which illustrates the location of all inlet structures, stormwater management BMP's and stormwater management basins. This map was last revised May 31, 2017. A separate map has been prepared to document stormwater outfall structures.

Attachments :

Inlet Location Map, May 2017

Inlet Inspection Log, May 2017

SPPP Form 6 – MS4 Outfall Pipe Mapping

Municipality
Information

Municipality: Audubon Park Borough County: Camden

NJPDES # : NJ0141852 PI ID #: 98891

Team Member/Title: Gregory B. Fusco, Borough Engineer

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

Date of Completion: 4-2007 Date of most recent update: *December 1, 2017*

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.)?

Global Positioning Systems (GPS) technology was used to map all of the stormwater outfall pipes throughout the Borough. The use of GIS technology assisted the Borough to better analyze areas of illicit discharge and to view a wealth of specific information on each stormwater outfall attribute, such as size, dimensions, discharge points and receiving points. The maps were developed displaying these outfall pipe locations.

Key Engineers, Inc. will also complete a full GIS database for Borough's potable water system. The technology will map all of the fire hydrants, valves, and water supply in the Borough and will be utilized by Audubon Park Public Works Department for facilities management of its potable water infrastructure.

Using Geographical Information System (GIS) technology, Key Engineers, Inc. will develop an electronic version of the Borough's stormwater system, potable water system, and tax maps to help Audubon Park to better identify and manage issues with its water infrastructure and development projects.

The Municipal Engineer's Office has mapped out the location of the end of all outfall pipes operated by the Borough. The Borough has identified, mapped and investigated each outfall pipe that has been located.

The map was completed October 23, 2012. This map was revised on December 1, 2017.

Attachments :

MS4 Outfall Map, December 2017

Outfall Inspection Log, May 2017

SPPP Form 14 - Outfall Pipe Stream Scouring Remediation

Municipality
Information

Municipality: Audubon Park Borough County: Camden

NJPDES # : NJ0141852 PI ID #: 98891

Team Member/Title: Kenneth Whalen, Public Works Supervisor & Gregory B. Fusco, Borough Engineer

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

Date of Completion: _____ Date of most recent update: 10/3/13

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.)

During the inspection part and illicit connection part of the permit, the Borough inspected and documented any signs of scouring for any outfall pipes. Repairs will be prioritized and made in accordance with the Standards for Soil Erosion and Sediment Control in New Jersey. Areas that do not require an SESC permit will be completed first.

The areas will be inspected again on a yearly basis to ensure the erosion problem has not resumed.

When a scouring problem is encountered, we will repair the scouring and document the method of repair we used. When repairs are completed, we will note the date of that repair on this form.

No repairs were required.

SPPP Form 17 – Employee Training

Municipality
Information

Municipality: Audubon Park Borough County: Camden

NJPDES # : NJ0141852 PI ID #: 98891

Team Member/Title: Kenneth Whalen, Public Works Supervisor & Gregory B. Fusco, Borough Engineer

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

Date of Completion: _____ Date of most recent update: *10/3/13*

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 Borough conducted annual employee training to educate all municipal employees on those stormwater topics which are applicable to their job and title. The topics are:

1. Waste Disposal Education training included how to respond to inquiries regarding proper waste disposal.
2. Municipal Ordinances training included an overview of the Pet Waste Ordinance, Litter Ordinance, Illicit Connection Ordinance, Improper Waste Disposal Ordinance, Wildlife Feeding Ordinance, Refuse Container Ordinance, Yard Waste Ordinance, Fertilizer Management ordinance and the Private Storm Drain Inlet Retrofitting Ordinance, their requirements, enforcement policy and hazards associated with improper waste disposal.
3. Yard Waste Collection Program training included frequency of yard waste pickups and schedule, policy for when yard waste can be placed curbside and alternatives such as composting and recycling.
4. Illicit Connection Elimination and Outfall Pipe Mapping training included information regarding the hazards associated with illicit connections and details of the program including investigation techniques, physical observations, field sampling and mapping procedures.
5. Monthly Sweeping of Certain Streets in Predominantly Commercial Areas – N/A
6. Stormwater Facility Maintenance training included catch basin cleaning schedules and recordkeeping requirements.
7. Outfall Pipe Stream Scouring Remediation training included identifying outfall pipe scouring and repairs.