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STORMWATER POLLUTION PREVENTION PLAN

Prepared for

BOROUGH OF ALLENDALE

BERGEN COUNTY

NEW JERSEY

NJPDES PERMIT #NJG0154059

Prepared by

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Borough of Allendale

Stormwater Pollution Prevention Plan (SPPP)

1.0 INTRODUCTION

1.1 Background

The U.S. Environmental Protection Agency (EPA) stormwater program was announced in 1990 under the Clean Water Act (CWA) with Stormwater Phase I rule that required medium and large cities or certain counties with populations greater than 100,000 to obtain a National Pollutant Discharge Elimination System (NPDES) permit for their stormwater discharge.

The Stormwater Phase II rule was announced in December 1999 requiring small Municipal Separate Storm Sewer Systems (MS4s) to obtain NPDES permit coverage for their stormwater discharges. In addition, Phase II rule includes non-traditional MS4s such as public universities, departments of transportation, hospitals and prisons.

In New Jersey, the State Department of Environmental Protection (NJDEP) developed the Municipal Stormwater Regulation Program in response to the U.S. EPA Phase II rule of 1999. As a result, the stormwater rules were in place by February 2004 and four (4) NJ Pollutant Discharge Elimination System (NJPDES) general permits authorizing and regulating stormwater discharges for all 566 municipalities in the State.

The NJDEP has provided the Borough of Allendale authorization to discharge under Tier A Municipal Stormwater General Permit NJ0141852 and NJPDES Permit NJG0154059. The General Permit authorizes discharges for municipal storm sewer systems by requiring that the Borough prepares this Stormwater Pollution Prevention Plan (SPPP) as a regulatory mechanism to address stormwater quality and quantity issues related to public works operations, existing development, new development and redevelopment areas within the Borough.

The objective of the Stormwater Pollution Prevention Plan (SPPP) is to document the Borough's MS4 Stormwater Program, outline SPPP team members' responsibilities, tasks for members, scope of activities to be managed, scheduled and completed by certain dates to meet and implement Statewide Basic Requirements (SBRs). The SBRs were developed by NJDEP to implement the Federal six (6) minimum measures, which include:

a. public involvement and participation,
b. local public education and outreach,
c. construction site stormwater runoff,
d. post construction stormwater management,
e. pollution prevention/good housekeeping for municipal operators,
f. MS4 outfall pipe mapping, and illicit discharge and scouring detection and control.

1.2 Stormwater Pollution Prevention Plan (SPPP) Use

Van Cleef Engineering Associates (VCEA) has work with Borough officials for preparing the Stormwater Pollution Prevention Plan (SPPP). Furthermore, VCEA has prepared the SPPP forms that provide supervisory personnel for the tasks involved in each form and providing a detail description of the actions necessary to complete the tasks for compliance with NJDEP SBRs. In addition, Department of Public Works (DPW) Standard Operating Procedures form is provided with this SPPP.

1.3 Requirements for Completing SPPP

The SPP needs to be maintained and reviewed annually to reflect changes to the Borough's MS4 stormwater program and document inspections to the storm sewer system. The requirements, tasks and scheduling for the SPPP are described in the forms that are part of Division 2. In addition, the Department of Public Works (DPW) Standard Operating Procedures form is provided in Division 5 of this SPPP.

Borough of Allendale

2.0- STORMWATER POLLUTION PREVENTION PLAN (SPPP) FORMS

SPPP Form 1 – SPPP Team Members

All records must be available upon request by NJDEP.

Stormwater Program Coordinator (SPC)	
Print/Type Name and Title	Ron Kistner, D.P.W. Director of Operations
Office Phone # and eMail	(201)818-4410 ronkistner@allendalenj.gov
Signature/Date	
Individual(s) Responsible for Major Development Project Stormwater Management Review	
Print/Type Name and Title	Michael G. Vreeland, PE,CME Borough Engineer
Print/Type Name and Title	
Print/Type Name and Title	
Print/Type Name and Title	
Print/Type Name and Title	
Other SPPP Team Members	
Print/Type Name and Title	Michael Dillon, Emergency Management Coordinator
Print/Type Name and Title	Layne Simon, DPW Crew Chief
Print/Type Name and Title	
Print/Type Name and Title	

SPPP Form 2 – Revision History

All records must be available upon request by NJDEP.

	Revision Date	SPC Initials	SPPP Form Changed	Reason for Revision
1.	5/26/2020		All	Update of SPPP forms published by NJDEP as per compliance evaluation and assistance inspection letter received by Borough from NJDEP on 3/10/2020.
2.	4/30/2021		N/A	Revision to Outfall Mapping Plan to address NJDEP
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SPPP Form 3 – Public Involvement and Participation Including Public Notice

All records must be available upon request by NJDEP.

1. Website URL where the Stormwater Pollution Prevention Plan (SPPP) is posted online:	https://allendalenj.gov/
2. Date of most current SPPP:	**August 20, 2021**
3. Website URL where the Municipal Stormwater Management Plan (MSWMP) is posted online:	https://allendalenj.gov/borough-engineer/
4. Date of most current MSWMP:	March 2005, Revised October 2006
5. Physical location and/or website URL where associated municipal records of public notices, meeting dates, minutes, etc. are kept:	Municipal Clerk, Borough of Allendale, 500 West Crescent Avenue Allendale, New Jersey 07401 https://allendalenj.gov/

6. Describe how the permittee complies with applicable state and local public notice requirements when providing for public participation in the development and implementation of a MS4 stormwater program:

The Borough of Allendale complies with the requirements for meetings where public notice is required by the Open Public Meetings Act (N.J.S.A. 10:4-6 et seq.) known as "Sunshine Law" by providing public notice that complies with the requirements of the Act. In addition, the Borough of Allendale complies with the requirements as it applies to the passage of ordinances by following N.J.S.A. 40:49-1 et seq. Furthermore, the Borough of Allendale complies with the public notice requirements in the Municipal Land Use Law (N.J.A.C. 40:55-D1 et seq.) for municipal actions.

Furthermore, Stormwater Pollution Prevention Plan (SPPP) and related ordinances are available and posted for the public to access on the Borough's website.

SPPP Form 4 – Public Education and Outreach

All records must be available upon request by NJDEP.

1. Describe how public education and outreach events are advertised. Include specific websites and/or physical locations where materials are available.

The Borough of Allendale has a "Green Team" (https://allendalenj.gov/green-team/) consisting of eight (8) members working towards a more sustainable Borough. The "Green Team" completed various actions such as support local floods, natural resource protection ordinance, non-mandated materials recycling and recycling waste reduction and waste management.

The Borough of Allendale will continue to distribute its annual Garbage and Recycling Guide, which is also posted on the municipal's website. Furthermore, the Borough will continue posting its monthly and seasonal "Borough Newsletters and Announcements" on the municipal website (https://allendalenj.gov/borough-news-announcements/newsletters/) that provides annual recycling calendar, recycling centers for Fall and Spring seasons, storm drain and property maintenance reminders for not discharging sump pumps into sewer system or the street, leaf-pick schedule and compost sites. The annual recycling calendar is also available to residents for pick up at the Municipal Building.

2. Describe how businesses and the general public within the municipality are educated about the hazards associated with illicit connections and improper disposal of waste.

The Borough of Allendale has a website in which under their Garbage and Recycling menu called "*The Drain is for the Rain*" (https://allendalenj.gov/garbage-recycling/the-drain-is-for-the-rain/) guidelines are provided to educate residents and businesses that includes a direct link to NJDEP's Stormwater website (https://www.njstormwater.org/) for more information.

In addition, the Borough of Allendale is a "Sustainable Jersey Bronze Certified community; one of only 171 in the state for making contributions toward long-term goal of a sustainable New Jersey.

The Borough of Allendale has an Illicit Connections to Storm Sewers ordinance Chapter 140 adopted in 2006 and is available at the Construction and Zoning Office website (https://allendalenj.gov/department/building-construction-department/) Borough Code Online link.

3. Indicate where public education and outreach records are maintained.

The Borough of Allendale will continue to keep public education and outreach information on the municipal website for all residents and businesses to access. In addition, information is available to residents for pick up at the Municipal Building along with monthly newsletter.

SPPP Form 5 – Post-Construction Stormwater Management in New Development and Redevelopment Program

All records must be available upon request by NJDEP.

1. How does the municipality define 'major development'?

The municipal ordinance defines 'Major Development' as an individual development, as well as multiple developments that individually or collectively result in the disturbance of one or more acres of land since February 2, 2004;

Major development includes all developments that are part of a common plan of development or sale (for example, phased residential development) that collectively or individually result in the disturbance of one or more acres of land since February 2, 2004. Projects undertaken by any government agency that otherwise meet the definition of "major development" but which do not require approval under the Municipal Land Use Law, N.J.S.A. 40:55D-1 et seq., are also considered "major development."

2. Does the municipality approach residential projects differently than it does for non-residential projects? If so, how?

No. The municipal ordinance is applicable to the following major developments:

a. Non-residential major developments; and
b. Aspects of residential major developments that are not pre-empted by the Residential Site Improvement Standards at N.J.A.C. 5:21.

This Ordinance shall also be applicable to all major developments undertaken by the Borough of Allendale.

3. What process is in place to ensure that municipal projects meet the Stormwater Control Ordinance?

The process in place to ensure that municipal projects meet the Stormwater Control Ordinance is that for all land use applications (site plans, subdivisions, use variance) for residential and non-residential developments are review by the Borough Engineer and design by a NJ Licensed Professional Engineer and in compliance with the Borough's ordinance.

4. Describe the process for reviewing major development project applications for compliance with the Stormwater Control Ordinance (SCO) and Residential Site Improvement Standards (RSIS). Attach a flow chart if available.	
The process for reviewing a major development project consist of the following: • Review Land Use Application for Site Plans, Subdivisions and Use Variance for residential and non-residential administrative completeness. • Identify applicant's variances and design waivers requested • Review submitted plans and reports for compliance with the municipal "Stormwater Control Ordinance No. 21-01" adopted March 3, 2021 for runoff quantity reduction, water quality, flood control, groundwater recharge, and pollutant reduction through stormwater management measures, including green infrastructure. • Determine applicant's compliance with design and performance standards for stormwater management measures and requirements for major development as outlined in the Borough's ordinance that refers to the RSIS and NJDEP Stormwater Management Rules.	
5. Does the Municipal Stormwater Management Plan include a mitigation plan?	No. The Borough intends to hold all applicants before its Board to the entirety of its Stormwater Management Plan (SWMP).
6. What is the physical location of approved applications for major development projects, Major Development Summary Sheets (permit att. D), and mitigation plans?	Approved site plans can be found at the planning and zoning board office.

SPPP Form 6 – Ordinances

All records must be available upon request by NJDEP.

Ordinance permit cite IV.B.1.b.iii	Date of Adoption	Website URL	Was the DEP model ordinance adopted without change?	Entity responsible for enforcement
1. Pet Waste permit cite IV.B.5.a.i	2-28-2006	https://ecode360.com/8918549	No	Police Dept. and Health Officer.
2. Wildlife Feeding permit cite IV.B5.a.ii	3-9-1995 and 5-10-2018	https://ecode360.com/8918768 https://ecode360.com/33592889?highlight=feed&searchId=43125851219261 94#33592889	No	Police Dept.
3. Litter Control permit cite IV.B5.a.iii	8-11-1988	https://ecode360.com/8918186?highlight=litter,littering&searchId=43130335105095 06#8918186	No	Police Dept.
4. Improper Disposal of Waste permit cite IV.B.5.a.iv	5-14-2015	https://ecode360.com/8917690	No	Police Dept., Borough Engineer and other Code Officials of or contracted by Borough
5. Containerized Yard Waste/ Yard Waste Collection Program permit cite IV.B.5.a.v	2-28-2006	https://ecode360.com/8919034?highlight=yard%20waste&searchId=4313551742458264#8919034	No	Recycling Coordinator, Sanitation Officer, Construction Code Official, Police Dept & Public Works Dept.
6. Private Storm Drain Inlet Retrofitting permit cite IV.B.5.a.vi	11-8-2010	https://ecode360.com/15354530?highlight=inlet%20retrofitting&searchId=4313671777674617#15354530	No	Code Enforcement Official
7. Stormwater Control Ordinance permit cite IV.B.4.g and IV.B.5.a.vii	3-3-2021	https://allendalenj.gov/agenda/council/ordinances-resolutions/	No	Police Dept. and Code Enforcement Official
8. Illicit Connection Ordinance permit cite IV.B.5.a.vii and IV.B.6.d	2-28-2006	https://ecode360.com/8917672	No	Police Dept. and Certify Public Works Manager.
9. Optional: Refuse Container/Dumpster Ordinance permit cite IV.E.2	11-30-2017	https://ecode360.com/15354506	No	Construction Code Official or Property Maintenance Officer

Indicate the location of records associated with ordinances and related enforcement actions:

The property maintenance inspector (Mike Limatola) keeps records and conducts all enforcement actions in the form of written warning letters for first time offenders and subsequent summons are issued to the associated property owners as need it to enforce the code.

SPPP Form 7 – Street Sweeping

All records must be available upon request by NJDEP.

1. Provide a written description or attach a map indicating which streets are swept as required by the NJPDES permit. Describe the sweeping schedule and indicate if any of the streets are swept by another entity through a shared service arrangement.
The Borough of Allendale Department of Public Works (DPW) conducts sweeping of all municipally owned or operated roads. Sweeping of all municipal roads is concluded in two weeks and then the sweeping cycle is repeated for which all roads are typically swept at least once per quarter year. It is expected that DPW will begin keeping a maintenance log book for the streets swept.
2. Provide a written description or attach a map indicating which streets are swept that are NOT required to be swept by the NJPDES permit. Describe the sweeping schedule and indicate if any of the streets are swept by another entity through a shared service arrangement.
The Borough of Allendale DPW sweeps County roads within its municipal limits.
3. Does the municipality provide street sweeping services for other municipalities? If so, please describe the arrangements.
The Borough of Allendale DPW does not have street sweeping services for other municipalities.
4. Indicate the location of records, including sweeping dates, areas swept, number of miles swept and total amount of wet tons collected each month. Note which records correspond to sweeping activities beyond what is required by the NJPDES permit, i.e., sweepings of streets within the municipality that are not required by permit to be swept or sweepings of streets outside of the municipality.
It is expected that DPW will begin keeping a maintenance log book for the streets swept at the Borough's DPW facility located at 101 New Street in Allendale; which is responsible for sweeping all municipally owned roads.

SPPP Form 8 – Catch Basins and Storm Drain Inlets

All records must be available upon request by NJDEP.

1. Describe the schedule for catch basin and storm drain inlet inspection, cleaning, and maintenance.

The Borough has an agreement with Northwest Bergen County Utilities Authority (NBCUA) to periodically perform preventive maintenance inspection and vacuum of approximately 25% (± 125) of the storm drains.

During inspection, if no sediment, trash or debris are observed in the catch basins, then those catch basins will not be cleaned. All catch basins will be inspected annually, even if they were found to be "clean" the previous year.

During the cleaning and maintenance operations, catch basins are inspected and identify for disrepair and functionality. Approximately 25 to 30 catch basins are reconstructed annually through solicitation services for storm drain inlet repairs as needed.

2. List the locations of catch basins and storm drain inlets with recurring problems, i.e., flooding, accumulated debris, etc.

Two (2) underpasses are the recurring sources of local flooding. The West Crescent Avenue and W. Orchard Street underpasses, which are both on County roads.

3. Describe what measures are taken to address issues for catch basins and storm drain inlets with recurring problems and how they are prioritized.

The Department of Public Works (DPW).notifies the County and the County cleans all basins at these two (2) locations. During heavy storm events when W. Crescent Avenue is flooded, the road is closed off with gates located upstream of the underpass.

4. Describe the inspection schedule and maintenance plan for storm drain inlet labels on storm drains that do not have permanent wording cast into the design.

All storm drain inlets within the Borough of Allendale are inspected for maintenance annually and checked to ensure that the storm drain inlet labels are in placed and visible. Labels that are no visible are replaced.

The Borough of Allendale have continuously been replacing labels with permanent wording cast into curb pieces and grates through the various municipal roadway improvement projects that are publicly bid each year.

5. Indicate the location of records of catch basin and storm drain inlet inspections and the wet tons of materials collected during catch basin and storm drain inlet cleanings.

It is expected that DPW will begin keeping maintenance records for the catch basin and storm drain inlet inspections and wet tons of material collected at the Borough's DPW facility located at 101 New Street in Allendale.

SPPP Form 9 – Storm Drain Inlet Retrofitting

All records must be available upon request by NJDEP.

1. Describe the procedure for ensuring that municipally owned storm drain inlets are retrofitted.

The Borough of Allendale retrofits all inlets on roadways that are part of reconstruction, milling and resurfacing roadway improvement projects that are publicly bid each year.

The Borough Engineer for ensuring compliance with NJDEP and NJDOT standards reviews these roadway projects prior to bidding and an Engineer's Representative (RE) inspects improvements during construction.

2. Describe the inspection process to verify that appropriate retrofits are completed on municipally owned storm drain inlets.

Inspection of retrofitted storm inlets are completed during the design phase of roadway improvement projects. Storm drain inlets needing retrofitting for compliance are incorporated in the roadway improvement projects and the RE performs inspections during construction.

3. Describe the procedure for ensuring that privately owned storm drain inlets are retrofitted.

Storm drain inlets that are privately owned are required to be retrofitted to meet the design standards of the ordinance. This is accomplished when development applications are submitted to the Construction and Zoning Office and is noted by the Borough Engineer during the review process.

4. Describe the inspection process to verify that appropriate retrofits are completed on privately owned storm drain inlets.

The Borough Engineer prepares an engineer's estimate in accordance with the Municipal Land Use Law (N.J.A.C. 40:55D) that contains a guarantee and escrow estimate for performance guarantee, a 2-year maintenance guarantee and inspection escrow that will need to be posted in accordance with the resolution of approval.

The RE will perform inspections during construction and a final inspection for which a punch list is typically issued prior to the issuance of a Certificate of Occupancy by the municipal authorities.

SPPP Form 10 – Municipal Maintenance Yards and Other Ancillary Operations

All records must be available upon request by NJDEP.

Complete separate forms for each municipal yard or ancillary operation location.

Address of municipal yard or ancillary operation:

101 New Street

Allendale, NJ 07401

List all materials and machinery located at this location that are exposed to stormwater which could be a source of pollutant in a stormwater discharge:

Raw materials – Dense graded agrregrate (DGA) is enclosed in cinder block bins.

Intermediate products – None.

Final products – None.

Waste materials – Street sweeping material and storm drain wet material from maintenance operations are stockpile at DPW yard in a 20 Cubic Yard container and haul to a recycling facility.

By-products – None.

Machinery – DPW trucks (dump trucks, pickups, backhoes, loaders, mowers), garbage truck for sanitation pickup, and general equipment tools.

Fuel – Two (2) aboveground storage containers for Diesel and gas.

Lubricants – None.

Solvents – None.

Detergents related to municipal maintenance yard or ancillary operations – None.

Other – Salt storage area is covered and located at 300 W. Crescent Road.

For each category below, describe the best management practices in place to ensure compliance with all requirements in permit Attachment E. If the activity in the category is not applicable for this location, indicate where it occurs.

Indicate the location of inspection logs and tracking forms associated with this municipal yard or ancillary operation, including documentation of conditions requiring attention and remedial actions that have been taken or have been planned.

1. Fueling Operations

Two (2) aboveground storage containers for Diesel and gas are located at the DWP complex. The fueling storage locations are inspected daily. DPW will begin to keep records for the inspections.

2. Vehicle Maintenance

Vehicle maintenance is performed as required at the DPW facility located at 101 New Street for DPW vehicles (dump trucks, pickups, backhoes, loaders, and mowers). DPW will begin to keep records of vehicle maintenance.

3. On-Site Equipment and Vehicle Washing

See permit attachment E for certification and log forms for Underground Storage Tanks.

On-Site equipment at the Township's DPW facility include DPW vehicles (dump trucks, pickups, backhoes, loaders, and mowers), garbage truck for sanitation pickup, and general equipment tools.

A non-operational wash station for vehicle is located at DPW facility with no discharge to storm drains. DPW vehicles are wash off-site for which DPW will begin to keep records.

4. Discharge of Stormwater from Secondary Containment

Not Applicable.

5. Salt and De-Icing Material Storage and Handling

Salt and De-icing material storage and handling takes place at the Borough's DPW facility located at 300 W. Crescent Road.

The Borough's DPW has a salt storage area that is inspected monthly and stores approximately 500 tons of salt that is placed on a reinforced concrete floor.

6. Aggregate Material and Construction Debris Storage

Aggregate material (Sand, DGA, ¾"Clean Stone, Rip Rap) is stored at the Borough's DPW facility in three-sided bins.

Construction debris are not stored at the Borough's DPW facility but is send to a disposal facility.

7. Street Sweepings, Catch Basin Clean Out and Other Material Storage

The Borough's DPW stores street sweeping, catch basin clean out and other material storage at the facility and once the stockpile accumulates; material is removed and send to a recycling facility.

8. Yard Trimmings and Wood Waste Management Sites
All yard trimmings (grass, yard waste bags and leaf bags) are send to the Recycling Center at 300 W. Crescent Avenue. In addition, all grass, leaves and brush are accepted with a residential compost permit that can be purchased at Borough Hall.
9. Roadside Vegetation Management
The Borough's DPW performs roadside mowing and maintenance on the as-needed basis during the spring, summer and fall season months.

SPPP Form 11 – Employee Training

All records must be available upon request by NJDEP.

A. **Municipal Employee Training:** Stormwater Program Coordinator (SPC) must ensure appropriate staff receive training on topics in the chart below as required due to job duties assigned within three months of commencement of duties and again on the frequency below. Indicate the location of associated training sign in sheets, dates, and agendas or description for each topic.

Topic	Frequency	Title of trainer or office to conduct training
1. Maintenance Yard Operations (including Ancillary Operations)	Every year	Department of Public Works
2. Stormwater Facility Maintenance	Every year	Department of Public Works
3. SPPP Training & Recordkeeping	Every year	Stormwater Coordinator & Department of Public Works
4. Yard Waste Collection Program	Every 2 years	Department of Public Works
5. Street Sweeping	Every 2 years	Department of Public Works
6. Illicit Connection Elimination and Outfall Pipe Mapping	Every 2 years	Department of Public Works
7. Outfall Pipe Stream Scouring Detection and Control	Every 2 years	Department of Public Works
8. Waste Disposal Education	Every 2 years	Department of Public Works
9. Municipal Ordinances	Every 2 years	Borough Engineer, Construction and Zoning Office
10. Construction Activity/Post-Construction Stormwater Management in New Development and Redevelopment	Every 2 years	Stormwater Coordinator & Department of Public Works

B. **Municipal Board and Governing Body Members Training:** Required for individuals who review and approve applications for development and redevelopment projects in the municipality. This includes members of the planning and zoning boards, town council, and anyone else who votes on such projects. Training is in the form of online videos, posted at www.nj.gov/dep/stormwater/training.htm.

Within 6 months of commencing duties, watch *Asking the Right Questions in Stormwater Review Training Tool*. Once per term thereafter, watch at least one of the online DEP videos in the series available under Post-Construction Stormwater Management. Indicate the location of records documenting the names, video titles, and dates completed for each board and governing body member. **Records of 2019-2020 completion are located in the Borough's DPW facility.**

C. **Stormwater Management Design Reviewer Training:** All design engineers, municipal engineers, and others who review the stormwater management design for development and redevelopment projects on behalf of the municipality must attend the first available class upon assignment as a reviewer and every five years thereafter. The course is a free, two-day training conducted by DEP staff. Training dates and locations are posted at www.nj.gov/dep/stormwater/training.htm. Indicate the location of the DEP certificate of completion for each reviewer.

SPPP Form 12 – Outfall Pipes

All records must be available upon request by NJDEP.

1. **Mapping:** Attach an image or provide a link to the most current outfall pipe map. Maps shall be updated at the end of each calendar year.

   Note that ALL maps must be electronic by 21 Dec 2020 via the DEP's designated electronic submission service. For details, see http://www.nj.gov/dep/dwq/msrp_map_aid.htm.

Outfall pipe map has been updated and completed. The map can be found at the Borough's website.

2. **Inspections:** Describe the outfall pipe inspection schedule and indicate the location of records of dates, locations, and findings.

The Borough's DPW performs outfall pipe inspections when a complaint is received. DPW will begin to maintain records of outfall pipe inspections

3. **Stream Scouring:** Describe the program in place to detect, investigate and control localized stream scouring from stormwater outfall pipes. Indicate the location of records related to cases of localized stream scouring. Such records must include the contributing source(s) of stormwater, recommended corrective action, and a prioritized list and schedule to remediate scouring cases.

The Borough's DPW performs stream scouring visual inspections while conducting outfall pipe inspections annually. If scouring is observed, sites will be place on a prioritized list and repairs are made in accordance with the Standards of Soil Erosion and Sediment Control in New Jersey. In addition, repairs that do not need NJDEP permits are completed first.

4. **Illicit Discharges:** Describe the program in place for conducting visual dry weather inspections of municipally owned or operated outfall pipes. Record cases of illicit discharges using the DEP's Illicit Connection Inspection Report Form (www.nj.gov/dep/dwq/tier_a_forms.htm) and indicate the location of these forms and related illicit discharge records.

   Note that Illicit Connection Inspection Report Forms shall be included in the SPPP and submitted to DEP with the annual report.

The Borough's DPW conducts visual inspections to locate illicit connection (and check if the connection is within the Borough of Allendale). Forms 16 and 17 are part of this SPPP, which will provide guidance to DPW personnel to record, inspect & monitor illicit connections and conduct and closeout an investigation.

Also, the responsible party will be notified immediately, and a citation will be issued by the Borough's property maintenance officer if the connection if not corrected or removed ***within six (6) months of discovery***. Violation of ordinance Chapter 140 is subject to a fine not to exceed $2,000.00.

Illicit connection complaints are reported to the Borough's DPW for which property maintenance inspector (Mike Limatola) keeps records.

SPPP Form 13 – Stormwater Facilities Maintenance

All records must be available upon request by NJDEP.

1. Detail the program in place for the long-term cleaning, operation and maintenance of each stormwater facility owned or operated by the municipality.

The Borough of Allendale has an annual inspection program in place for long-term cleaning, operation and maintenance of each stormwater facility owned or operated by the Borough that includes catch basins, storm drains, detention and infiltration basins, swales. These facilities are inspected for proper functioning during inspections for which preventive and corrective maintenance is performed.

In addition, the Borough has an agreement with Northwest Bergen County Utilities Authority (NBCUA) to periodically vacuum 25% (±125) of the municipal storm drains.

2. Detail the program in place for ensuring the long-term cleaning, operation and maintenance of each stormwater facility NOT owned or operated by the municipality.

The Borough of Allendale has established a program for the maintenance of stormwater facilities in new major development projects in accordance with Section X entitled "Maintenance and Repair" of the Stormwater Control Ordinance. This section requires a private entity to be specified by the applicant as the responsible party for the maintenance of stormwater facilities.

In the event that the specified entity does not perform the necessary long-term cleaning, operation and maintenance of the stormwater facilities, the Borough of Allendale notifies the responsible entity in writing. The notice provides the responsible party fourteen (14) days to effect maintenance and repair of the facility in a manner that is approved by the Borough Engineer or his designee.

If the responsible party fails or refuses to perform maintenance and repair, the Borough will proceed to do so and bill the cost thereof to the responsible person. Non-payment of such bill may result in a lien on the property as specified in the Stormwater Control Ordinance.

3. Indicate the location(s) of the Stormwater Facilities Inspection and Maintenance Logs listing the type of stormwater facilities inspected, location information, inspection dates, inspector name(s), findings, preventative and corrective maintenance performed.

For stormwater facilities owned by the Borough, the inspection and maintenance logs are to be kept by the Borough's DPW and records can be request at the Clerk's Office.

For stormwater facilities that are privately owned, the responsible party retains and makes available the inspection and maintenance logs upon request by any public entity with administrative, health, environmental or safety authority over the site.

Note that maintenance activities must be reported in the annual report and records must be available upon request. DEP maintenance log templates are available at http://www.nj.gov/dep/stormwater/maintenance_guidance.htm (select specific logs from choices listed in the Field Manuals section).

Additional Resources: The NJ Hydrologic Modeling Database contains information and maps of stormwater management basins. To view the database map, see https://hydro.rutgers.edu. To download data in an Excel format, see https://hydro.rutgers.edu/public_data/.

SPPP Form 14 – Total Maximum Daily Load Information

All records must be available upon request by NJDEP.

1. Using the Total Maximum Daily Load (TMDL) reports provided on www.nj.gov/dep/dwq/msrp-tmdl-rh.htm, list adopted TMDLs for the municipality, parameters addressed, and the affected water bodies that impact the municipality's MS4 program.

Based on the review of the NJDEP database there are various TDL report issued for streams and lakes located within the Borough of Allendale boundary limits.

TMDL for Fecal Coliform to Address 32 Streams in the Northeast Water Region- Adopted June 6, 2013.

The waterbodies mentioned on this report include:

Ramsey Brook- Fecal Coliform
Hohokus Brook- Fecal Coliform

The referenced TMDL reports outline various impacts within the above noted waterbodies located in Watershed Management Areas (WMA) 04 from fecal coliform.

2. Describe how the permittee uses TMDL information to prioritize stormwater facilities maintenance projects and to address specific sources of stormwater pollutants.

The Borough has in placed Chapter 232 "Stream Corridor Protection" Ordinance adopted September 30, 2009 describes NJDEP Surface Water Quality Standards (N.J.A.C. 7:9B). In addition, NJ Pollutant Discharge Elimination System (NJPDES) rules (N.J.A.C. 7:14A-1.2) are addressed in Chapter 140 "Illicit Connections to Storm Sewer System".

Borough's Stormwater Management Plan (SWMP) addresses, as part of its goals on how new and existing development need to minimize pollutants in stormwater.

SPPP Form 15 – Optional Measures

All records must be available upon request by NJDEP.

a) Describe any Best Management Practice(s) the permittee has developed that extend beyond the requirements of the Tier A MS4 NJPDES permit that prevents or reduces water pollution.

Ordinance Chapter 140 was adopted on February 28, 2006 to prevent pollutants from entering the storm sewer system for which NJ Pollutant Discharge Elimination System (NJPDES) rules (N.J.A.C. 7:14A-1.2) are addressed.

b) Has the permittee adopted a Refuse Container/Dumpster Ordinance?

Yes. The Refuse Contained/Dumpster Ordinance was adopted on November 30,2017.

BOROUGH OF ALLENDALE

3.0- STORMWATER OUTFALLS MAP

3.0 Stormwater Outfall Map

The Borough of Allendale has completed the process of locating the existing outfalls, creating an online Geographic Information System (GIS) database and an electronic PDF version of the Map as part of this Stormwater Pollution Prevention Plan (SPPP) for which the Borough was divided into four (4) sections defined by the existing waterbodies in which outfalls are located.

- Section 1 was labeled “V” for Valentine Brook,
- Section 2 was labeled “H” for Hohokus Creek,
- Section 3 was labeled “R” for Ramsey Brook; and
- Section 4 was labeled “A” for Allendale Brook.

As new development and redevelopment takes place within the Borough of Allendale, existing outfall mapping will be updated to include storm sewer system changes through the creation of additional outfalls.

STORMWATER POLLUTION PREVENTION PLAN
PREPARED FOR
BOROUGH OF ALLENDALE
BERGEN COUNTY, NEW JERSEY

RAMSEY BROOK OUTFALL LOCATIONS [SEE SHEET 4]

VALENTINE BROOK OUTFALL LOCATIONS [SEE SHEET 2]

HOHOKUS BROOK OUTFALL LOCATIONS [SEE SHEET 3]

ALLENDALE BROOK OUTFALL LOCATIONS [SEE SHEET 5]

RAMSEY BOROUGH

MAHWAH TOWNSHIP

WYCKOFF TOWNSHIP

WALDWICK BOROUGH

SADDLE RIVER BOROUGH

NJ ROUTE 17

NJ SPCS NAD'83

WYCKOFF LAKE

CRESTWOOD LAKE

LAKE APPERT

RAMSEY BROOK

VALENTINE BROOK

HOHOKUS BROOK

ALLENDALE BROOK

ALLENDALE BROOK TRIB.

SADDLE RIVER

INDEX OF SHEETS

SHEET No.	TITLE	LAST REVISED
1	OUTFALL LOCATIONS INDEX	-
2	VALENTINE BROOK OUTFALL LOCATIONS	-
3	HOHOKUS BROOK OUTFALL LOCATIONS	-
4	RAMSEY BROOK OUFALL LOCATIONS	-
5	ALLENDALE BROOK OUTFALL LOCATIONS	-

LEGEND:

- N.J. MUNICIPAL BOUNDARY
- RIGHT-OF-WAY
- PROPERTY LINE
- SURFACE WATER (STREAMS/RIVERS)
- SURFACE WATER (LAKE/POND)

REFERENCES:

NJ OFFICE OF INFORMATION TECHNOLOGY, OFFICE OF GIS (NJOGIS), "MUNICIPAL BOUNDARIES OF NEW JERSEY", 20200410.

NJ OFFICE OF INFORMATION TECHNOLOGY, OFFICE OF GIS (NJOGIS), "PARCELS AND MOD-IV OF BERGEN COUNTY, NEW JERSEY", 20190715.

NJ DEPARTMENT OF ENVIRONMENTAL PROTECTION (NJDEP), OFFICE OF INFORMATION RESOURCES MANAGEMENT (ORIM), BUREAU OF GEOGRAPHIC INFORMATION SYSTEMS (BGIS), "NATIONAL HYDROGRAPHY DATASET (NHD) STREAMS 2002", 20101101.

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VAN CLEEF ENGINEERING ASSOCIATES, LLC, ArcGIS ONLINE DATABASE, FEATURE LAYER ENTITLED, "ALLENDALE DRAINAGE", LAST UPDATED 20210416.

GRAPHIC SCALE
0 300 600 1200
1 INCH = 600 FT

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Bridges/Highway
Construction Inspection
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Landscape Architecture
Land Surveying
Municipal Engineering
Site Development
Surveying/Mapping
Water/Wastewater

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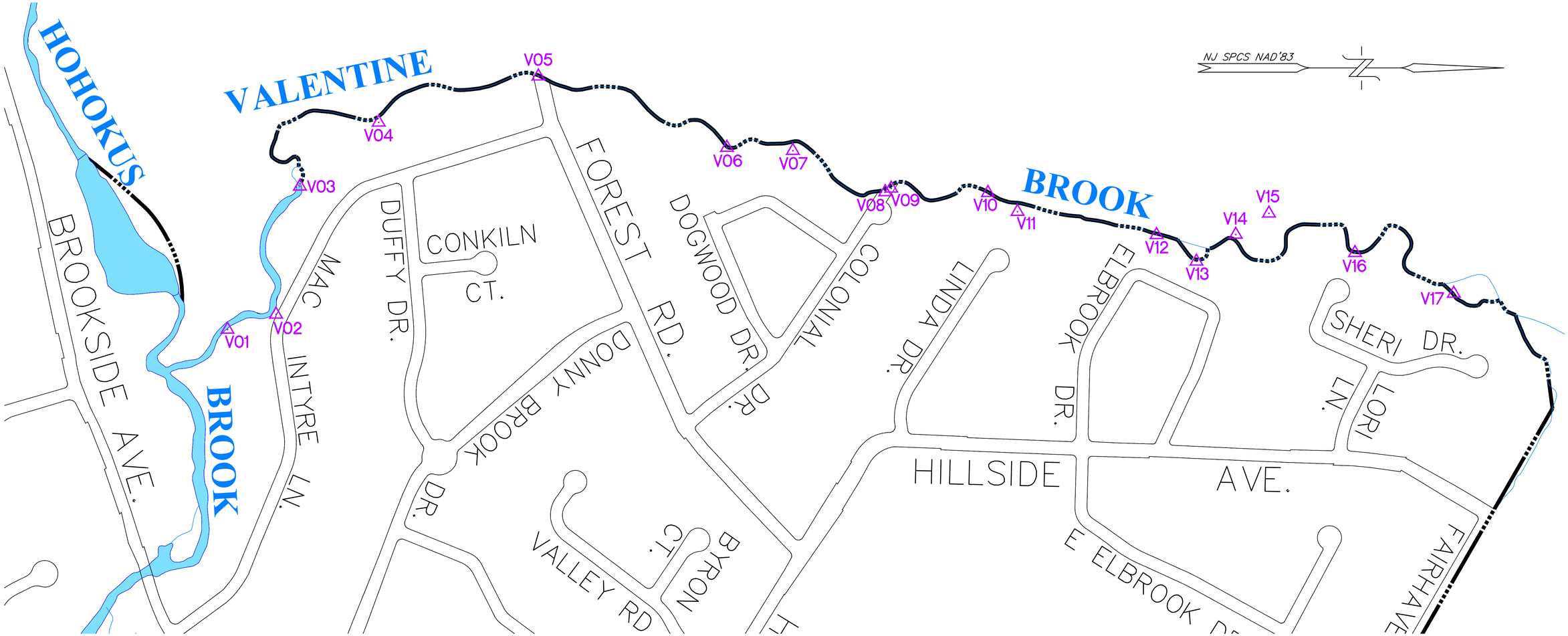
New Jersey
Eastern Pennsylvania
Delaware

OUTFALL LOCATIONS INDEX

STORMWATER POLLUTION PREVENTION PLAN
ALLENDALE BOROUGH, BERGEN COUNTY, NEW JERSEY
VCEA PROJECT NO: ALN-1006
APRIL 30, 2021

BOROUGH OF ALLENDALE
500 W. CRESCENT AVENUE
ALLENDALE, NEW JERSEY, 07401

F:\PROJECTS\New Jersey\02-Bergen\Allendale\ALN-1006 STORMWATER\2021 SPPP\DWG\ALN-1006 Allendale Outfall Locations Exhibit.dwg jmcmahon 8/19/2021 9:58:34 AM



OUTFALL I.D.	NEAREST SURFACE WATER	LOCATION	OUTFALL TYPE	PIPE MATERIAL
V01	VALENTINE BROOK	MACINTYRE LANE	PIPE	PLASTIC
V02	VALENTINE BROOK	MACINTYRE LANE	HEADWALL	RCP
V03	VALENTINE BROOK	MACINTYRE LANE	DRAINAGE DITCH	N/A
V04	VALENTINE BROOK	MACINTYRE LANE	HEADWALL	RCP
V05	VALENTINE BROOK	FOREST ROAD	PIPE	RCP
V06	VALENTINE BROOK	SURREY LANE	PIPE	CAST IRON
V07	VALENTINE BROOK	SURREY LANE	HEADWALL	RCP
V08	VALENTINE BROOK	COLONIAL DRIVE	HEADWALL	RCP
V09	VALENTINE BROOK	COLONIAL DRIVE	DRAINAGE DITCH	N/A
V10	VALENTINE BROOK	LINDA DRIVE	PIPE	RCP
V11	VALENTINE BROOK	LINDA DRIVE	HEADWALL	RCP
V12	VALENTINE BROOK	ELBROOK DRIVE	HEADWALL	RCP
V13	VALENTINE BROOK	ELBROOK DRIVE	HEADWALL	RCP
V14	VALENTINE BROOK	ELBROOK DRIVE	PIPE	RCP
V15	VALENTINE BROOK	ELBROOK DRIVE	HEADWALL	RCP
V16	VALENTINE BROOK	SHERI DRIVE	HEADWALL	RCP
V17	VALENTINE BROOK	SHERI DRIVE	HEADWALL	RCP

LEGEND:

V12 — OUTFALL LOCATION WITH I.D. (GIS LOCATED)

N.J. MUNICIPAL BOUNDARY

RIGHT-OF-WAY

SURFACE WATER (STREAMS/RIVERS)

SURFACE WATER (LAKE/POND)

REFERENCES:

NJ OFFICE OF INFORMATION TECHNOLOGY, OFFICE OF GIS (NJOGIS), "MUNICIPAL BOUNDARIES OF NEW JERSEY", 20200410.

NJ OFFICE OF INFORMATION TECHNOLOGY, OFFICE OF GIS (NJOGIS), "PARCELS AND MOD-IV OF BERGEN COUNTY, NEW JERSEY", 20190715.

NJ DEPARTMENT OF ENVIRONMENTAL PROTECTION (NJDEP), OFFICE OF INFORMATION RESOURCES MANAGEMENT (ORIM), BUREAU OF GEOGRAPHIC INFORMATION SYSTEMS (BGIS), "NATIONAL HYDROGRAPHY DATASET (NHD) STREAMS 2002", 20101101.

NJ DEPARTMENT OF ENVIRONMENTAL PROTECTION (NJDEP), OFFICE OF INFORMATION RESOURCES MANAGEMENT (ORIM), BUREAU OF GEOGRAPHIC INFORMATION SYSTEMS (BGIS), "NATIONAL HYDROGRAPHY DATASET (NHD) WATERBODY 2002", 20101101.

VAN CLEEF ENGINEERING ASSOCIATES, LLC, ArcGIS ONLINE DATABASE, FEATURE LAYER ENTITLED, "ALLENDALE DRAINAGE", LAST UPDATED 20210416.

GRAPHIC SCALE 0 100 200 400 — 1 INCH = 200 FT

VALENTINE BROOK OUTFALL LOCATIONS

STORMWATER POLLUTION PREVENTION PLAN
ALLENDALE BOROUGH, BERGEN COUNTY, NEW JERSEY
VCEA PROJECT NO: ALN-1006
APRIL 30, 2021

BOROUGH OF ALLENDALE
500 W. CRESCENT AVENUE
ALLENDALE, NEW JERSEY, 07401

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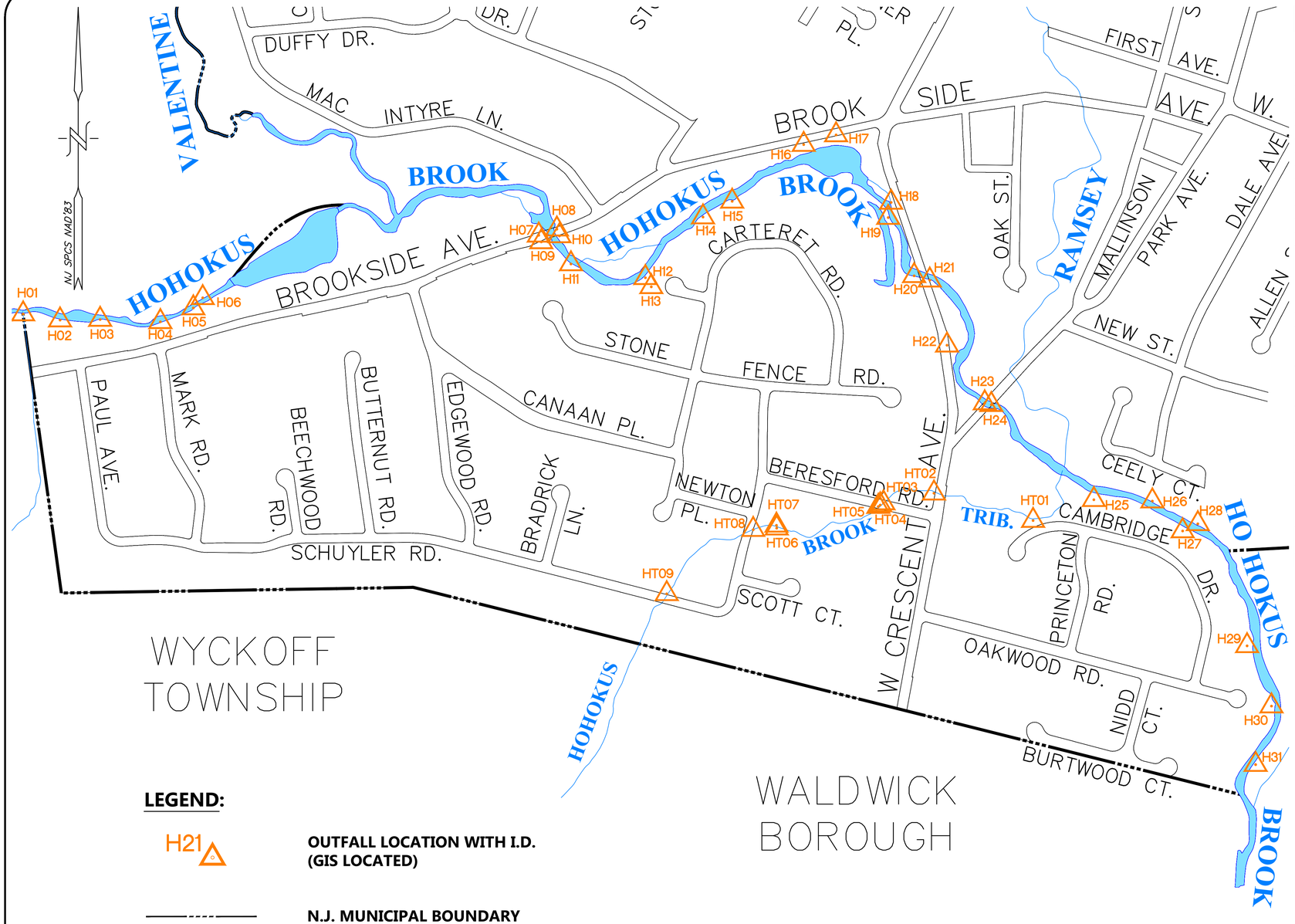

OUTFALL I.D.	NEAREST SURFACE WATER	LOCATION	OUTFALL TYPE	PIPE MATERIAL
H01	HO-HO-KUS BROOK	BROOKSIDE AVENUE	PIPE	CAST IRON
H02	HO-HO-KUS BROOK	BROOKSIDE AVENUE	DRAINAGE DITCH	N/A
H03	HO-HO-KUS BROOK	BROOKSIDE AVENUE	PIPE	CORRUGATED METAL
H04	HO-HO-KUS BROOK	BROOKSIDE AVENUE	PIPE	RCP
H05	HO-HO-KUS BROOK	BROOKSIDE AVENUE	PIPE	RCP
H06	HO-HO-KUS BROOK	BROOKSIDE AVENUE	DRAINAGE DITCH	N/A
H07	HO-HO-KUS BROOK	BROOKSIDE AVENUE	B-INLET	RCP
H08	HO-HO-KUS BROOK	BROOKSIDE AVENUE	B-INLET	RCP
H09	HO-HO-KUS BROOK	BROOKSIDE AVENUE	B-INLET	RCP
H10	HO-HO-KUS BROOK	BROOKSIDE AVENUE	B-INLET	RCP
H11	HO-HO-KUS BROOK	STONE FENCE ROAD	PIPE	RCP
H12	HO-HO-KUS BROOK	CARTERET COURT	PIPE	CORRUGATED METAL
H13	HO-HO-KUS BROOK	CARTERET COURT	HEADWALL	RCP
H14	HO-HO-KUS BROOK	CARTERET ROAD	HEADWALL	RCP
H15	HO-HO-KUS BROOK	CARTERET ROAD	HEADWALL	RCP
H16	HO-HO-KUS BROOK	BROOKSIDE AVENUE	PIPE	PLASTIC
H17	HO-HO-KUS BROOK	BROOKSIDE AVENUE	PIPE	CAST IRON
H18	HO-HO-KUS BROOK	W. CRESCENT AVENUE	PIPE	CAST IRON
H19	HO-HO-KUS BROOK	W. CRESCENT AVENUE	PIPE	RCP
H20	HO-HO-KUS BROOK	W. CRESCENT AVENUE	CULVERT	N/A
H21	HO-HO-KUS BROOK	W. CRESCENT AVENUE	CULVERT	N/A
H22	HO-HO-KUS BROOK	W. CRESCENT AVENUE	PIPE	CORRUGATED METAL
H23	HO-HO-KUS BROOK	PARK AVENUE	B-INLET	RCP
H24	HO-HO-KUS BROOK	PARK AVENUE	B-INLET	RCP
H25	HO-HO-KUS BROOK	CAMBRIDGE DRIVE	HEADWALL	RCP
H26	HO-HO-KUS BROOK	CEELY COURT	PIPE	RCP
H27	HO-HO-KUS BROOK	CAMBRIDGE DRIVE	HEADWALL	RCP
H28	HO-HO-KUS BROOK	OAKWOOD ROAD	DRAINAGE DITCH	N/A
H29	HO-HO-KUS BROOK	OAKWOOD ROAD	HEADWALL	RCP
H30	HO-HO-KUS BROOK	CAMBRIDGE DRIVE	PIPE	RCP
H31	HO-HO-KUS BROOK	W. CRESCENT AVENUE	HEADWALL	RCP
HT01	HO-HO-KUS BROOK TRIBUTARY	BERESFORD ROAD	HEADWALL	RCP
HT02	HO-HO-KUS BROOK TRIBUTARY	BERESFORD ROAD	CULVERT	RCP
HT03	HO-HO-KUS BROOK TRIBUTARY	BERESFORD ROAD	B-INLET	N/A
HT04	HO-HO-KUS BROOK TRIBUTARY	SCHUYLER ROAD	CULVERT	CORRUGATED METAL
HT05	HO-HO-KUS BROOK TRIBUTARY	SCHUYLER ROAD	B-INLET	N/A
HT06	HO-HO-KUS BROOK TRIBUTARY	SCHUYLER ROAD	PIPE	PLASTIC
HT07	HO-HO-KUS BROOK TRIBUTARY	SCHUYLER ROAD	PIPE	PLASTIC
HT08	HO-HO-KUS BROOK TRIBUTARY	SCHUYLER ROAD	PIPE	RCP
HT09	HO-HO-KUS BROOK TRIBUTARY	SCHUYLER ROAD	PIPE	RCP

LEGEND:

- H21 — OUTFALL LOCATION WITH I.D. (GIS LOCATED)
- N.J. MUNICIPAL BOUNDARY
- RIGHT-OF-WAY
- SURFACE WATER (STREAMS/RIVERS)
- SURFACE WATER (LAKE/POND)

REFERENCES:

NJ OFFICE OF INFORMATION TECHNOLOGY, OFFICE OF GIS (NJOGIS), "MUNICIPAL BOUNDARIES OF NEW JERSEY", 20200410.

NJ OFFICE OF INFORMATION TECHNOLOGY, OFFICE OF GIS (NJOGIS), "PARCELS AND MOD-IV OF BERGEN COUNTY, NEW JERSEY", 20190715.

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VAN CLEEF ENGINEERING ASSOCIATES, LLC, ArcGIS ONLINE DATABASE, FEATURE LAYER ENTITLED, "ALLENDALE DRAINAGE", LAST UPDATED 20210416.

GRAPHIC SCALE 0 150 300 600 — 1 INCH = 300 FT

HOHOKUS BROOK OUTFALL LOCATIONS

STORMWATER POLLUTION PREVENTION PLAN
ALLENDALE BOROUGH, BERGEN COUNTY, NEW JERSEY
VCEA PROJECT NO: ALN-1006
APRIL 30, 2021

BOROUGH OF ALLENDALE
500 W. CRESCENT AVENUE
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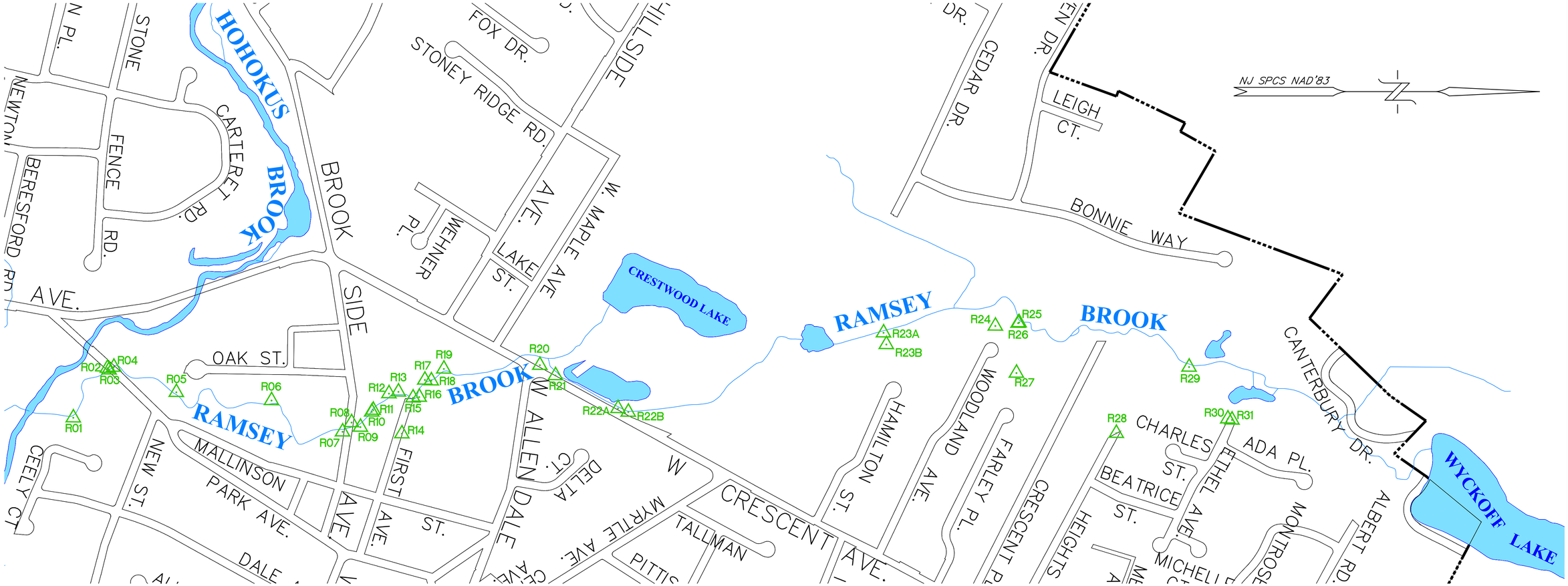

OUTFALL I.D.	NEAREST SURFACE WATER	LOCATION	OUTFALL TYPE	PIPE MATERIAL
R01	RAMSEY BROOK	PARK AVENUE	HEADWALL	RCP
R02	RAMSEY BROOK	PARK AVENUE	B-INLET	CURED IN PLACE
R03	RAMSEY BROOK	PARK AVENUE	B-INLET	N/A
R04	RAMSEY BROOK	PARK AVENUE	B-INLET	N/A
R05	RAMSEY BROOK	OAK STREET	PIPE	RCP
R06	RAMSEY BROOK	OAK STREET	PIPE	PLASTIC
R07	RAMSEY BROOK	BROOKSIDE AVENUE	HEADWALL	RCP
R08	RAMSEY BROOK	BROOKSIDE AVENUE	PIPE	RCP
R09	RAMSEY BROOK	BROOKSIDE AVENUE	YARD INLET	RCP
R10	RAMSEY BROOK	BROOKSIDE AVENUE	PIPE	CAST IRON
R11	RAMSEY BROOK	BROOKSIDE AVENUE	PIPE	CAST IRON
R12	RAMSEY BROOK	BROOKSIDE AVENUE	HEADWALL	RCP
R13	RAMSEY BROOK	BROOKSIDE AVENUE	HEADWALL	ASBESTOS CEMENT
R14	RAMSEY BROOK	1ST STREET	E-INLET	RCP
R15	RAMSEY BROOK	1ST STREET	PIPE	CORRUGATED METAL
R16	RAMSEY BROOK	1ST STREET	PIPE	RCP
R17	RAMSEY BROOK	1ST STREET	PIPE	CORRUGATED PLASTIC
R18	RAMSEY BROOK	1ST STREET	PIPE	PLASTIC
R19	RAMSEY BROOK	W. CRESCENT AVENUE	HEADWALL	N/A
R20	RAMSEY BROOK	W. CRESCENT AVENUE	PIPE	RCP
R21	RAMSEY BROOK	W. CRESCENT AVENUE	HEADWALL	RCP
R22A	RAMSEY BROOK	W. CRESCENT AVENUE	HEADWALL	RCP
R22B	RAMSEY BROOK	W. CRESCENT AVENUE	HEADWALL	RCP
R23A	RAMSEY BROOK	HAMILTON STREET	CULVERT	RCP
R23B	RAMSEY BROOK	HAMILTON STREET	CULVERT	RCP
R24	RAMSEY BROOK	WOODLAND AVENUE	CLOSED LID MANHOLE	RCP
R25	RAMSEY BROOK	WOODLAND AVENUE	HEADWALL	RCP
R26	RAMSEY BROOK	WOODLAND AVENUE	CLOSED LID MANHOLE	RCP
R27	RAMSEY BROOK	FARLEY PLACE	HEADWALL	RCP
R28	RAMSEY BROOK	HEIGHTS ROAD	PIPE	RCP
R29	RAMSEY BROOK	ETHEL AVENUE	PIPE	CORRUGATED METAL
R30	RAMSEY BROOK	ETHEL AVENUE	B-INLET	CORRUGATED METAL
R31	RAMSEY BROOK	ETHEL AVENUE	B-INLET	CORRUGATED METAL

LEGEND:

R07 — OUTFALL LOCATION WITH I.D. (GIS LOCATED)

N.J. MUNICIPAL BOUNDARY

RIGHT-OF-WAY

SURFACE WATER (STREAMS/RIVERS)

SURFACE WATER (LAKE/POND)

REFERENCES:

NJ OFFICE OF INFORMATION TECHNOLOGY, OFFICE OF GIS (NJOGIS), "MUNICIPAL BOUNDARIES OF NEW JERSEY", 20200410.

NJ OFFICE OF INFORMATION TECHNOLOGY, OFFICE OF GIS (NJOGIS), "PARCELS AND MOD-IV OF BERGEN COUNTY, NEW JERSEY", 20190715.

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VAN CLEEF ENGINEERING ASSOCIATES, LLC, ArcGIS ONLINE DATABASE, FEATURE LAYER ENTITLED, "ALLENDALE DRAINAGE", LAST UPDATED 20210416.

GRAPHIC SCALE
0 150 300 600
1 INCH = 300 FT

RAMSEY BROOK OUTFALL LOCATIONS

STORMWATER POLLUTION PREVENTION PLAN
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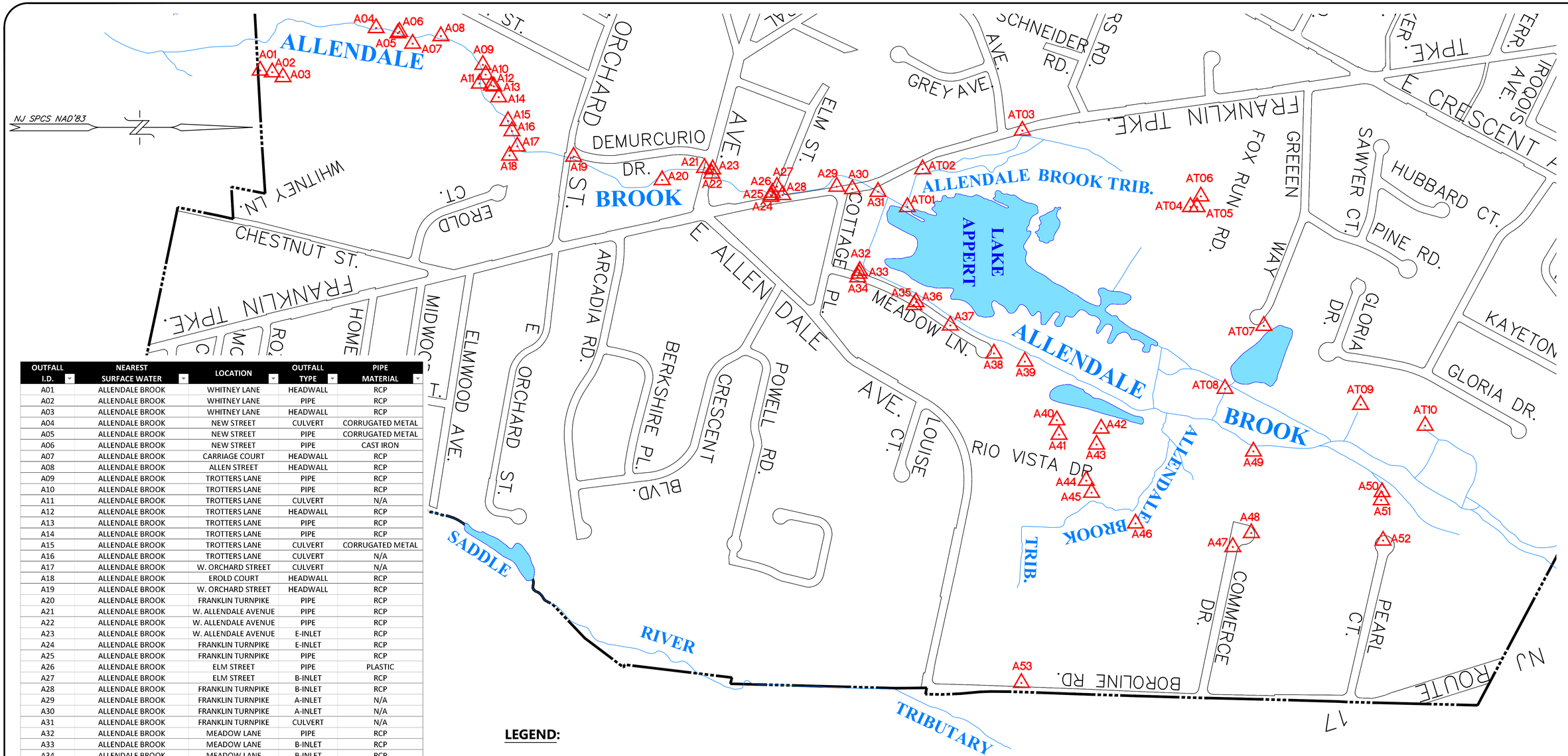
Landscape Architecture Land Development
Municipal Engineering
Site Development Surveying and Mapping
Water/Wastewater

OUTFALL I.D.	NEAREST SURFACE WATER	LOCATION	OUTFALL TYPE	PIPE MATERIAL
A01	ALLENDALE BROOK	WHITNEY LANE	HEADWALL	RCP
A02	ALLENDALE BROOK	WHITNEY LANE	PIPE	RCP
A03	ALLENDALE BROOK	WHITNEY LANE	HEADWALL	RCP
A04	ALLENDALE BROOK	NEW STREET	CULVERT	CORRUGATED METAL
A05	ALLENDALE BROOK	NEW STREET	PIPE	CORRUGATED METAL
A06	ALLENDALE BROOK	NEW STREET	PIPE	CAST IRON
A07	ALLENDALE BROOK	CARRIAGE COURT	HEADWALL	RCP
A08	ALLENDALE BROOK	ALLEN STREET	HEADWALL	RCP
A09	ALLENDALE BROOK	TROTTERS LANE	PIPE	RCP
A10	ALLENDALE BROOK	TROTTERS LANE	PIPE	RCP
A11	ALLENDALE BROOK	TROTTERS LANE	CULVERT	N/A
A12	ALLENDALE BROOK	TROTTERS LANE	HEADWALL	RCP
A13	ALLENDALE BROOK	TROTTERS LANE	PIPE	RCP
A14	ALLENDALE BROOK	TROTTERS LANE	PIPE	RCP
A15	ALLENDALE BROOK	TROTTERS LANE	CULVERT	CORRUGATED METAL
A16	ALLENDALE BROOK	TROTTERS LANE	CULVERT	N/A
A17	ALLENDALE BROOK	W. ORCHARD STREET	CULVERT	N/A
A18	ALLENDALE BROOK	EROLD COURT	HEADWALL	RCP
A19	ALLENDALE BROOK	W. ORCHARD STREET	HEADWALL	RCP
A20	ALLENDALE BROOK	FRANKLIN TURNPIKE	PIPE	RCP
A21	ALLENDALE BROOK	W. ALLENDALE AVENUE	PIPE	RCP
A22	ALLENDALE BROOK	W. ALLENDALE AVENUE	PIPE	RCP
A23	ALLENDALE BROOK	W. ALLENDALE AVENUE	E-INLET	RCP
A24	ALLENDALE BROOK	FRANKLIN TURNPIKE	E-INLET	RCP
A25	ALLENDALE BROOK	FRANKLIN TURNPIKE	PIPE	RCP
A26	ALLENDALE BROOK	ELM STREET	PIPE	PLASTIC
A27	ALLENDALE BROOK	ELM STREET	B-INLET	RCP
A28	ALLENDALE BROOK	FRANKLIN TURNPIKE	B-INLET	RCP
A29	ALLENDALE BROOK	FRANKLIN TURNPIKE	A-INLET	N/A
A30	ALLENDALE BROOK	FRANKLIN TURNPIKE	A-INLET	N/A
A31	ALLENDALE BROOK	FRANKLIN TURNPIKE	CULVERT	N/A
A32	ALLENDALE BROOK	MEADOW LANE	PIPE	RCP
A33	ALLENDALE BROOK	MEADOW LANE	B-INLET	RCP
A34	ALLENDALE BROOK	MEADOW LANE	B-INLET	RCP
A35	ALLENDALE BROOK	MEADOW LANE	B-INLET	RCP
A36	ALLENDALE BROOK	MEADOW LANE	B-INLET	RCP
A37	ALLENDALE BROOK	MEADOW LANE	B-INLET	RCP
A38	ALLENDALE BROOK	MEADOW LANE	B-INLET	CORRUGATED METAL
A39	ALLENDALE BROOK	MEADOW LANE	HEADWALL	RCP
A40	ALLENDALE BROOK	RIO VISTA DRIVE	PIPE	RCP
A41	ALLENDALE BROOK	RIO VISTA DRIVE	PIPE	RCP
A42	ALLENDALE BROOK	RIO VISTA DRIVE	PIPE	RCP
A43	ALLENDALE BROOK	RIO VISTA DRIVE	PIPE	RCP
A44	ALLENDALE BROOK	RIO VISTA DRIVE	PIPE	RCP
A45	ALLENDALE BROOK	RIO VISTA DRIVE	PIPE	RCP
A46	ALLENDALE BROOK	COMMERCE DRIVE	PIPE	RCP
A47	ALLENDALE BROOK	COMMERCE DRIVE	B-INLET	RCP
A48	ALLENDALE BROOK	COMMERCE DRIVE	E-INLET	RCP
A49	ALLENDALE BROOK	COMMERCE DRIVE	HEADWALL	RCP
A50	ALLENDALE BROOK	PEARL COURT	PIPE	RCP
A51	ALLENDALE BROOK	PEARL COURT	B-INLET	RCP
A52	ALLENDALE BROOK	PEARL COURT	E-INLET	RCP
A53	ALLENDALE BROOK	BOROLINE ROAD	HEADWALL	RCP
AT01	ALLENDALE BROOK TRIBUTARY	FRANKLIN TURNPIKE	CULVERT	N/A
AT02	ALLENDALE BROOK TRIBUTARY	FRANKLIN TURNPIKE	HEADWALL	RCP
AT03	ALLENDALE BROOK TRIBUTARY	FRANKLIN TURNPIKE	HEADWALL	CORRUGATED METAL
AT04	ALLENDALE BROOK TRIBUTARY	FOX RUN ROAD	HEADWALL	RCP
AT05	ALLENDALE BROOK TRIBUTARY	FOX RUN ROAD	HEADWALL	RCP
AT06	ALLENDALE BROOK TRIBUTARY	FOX RUN ROAD	HEADWALL	RCP
AT07	ALLENDALE BROOK TRIBUTARY	GREEN WAY	PIPE	RCP
AT08	ALLENDALE BROOK TRIBUTARY	GREEN WAY	PIPE	RCP
AT09	ALLENDALE BROOK TRIBUTARY	GLORIA DRIVE	PIPE	RCP
AT10	ALLENDALE BROOK TRIBUTARY	GLORIA DRIVE	PIPE	RCP



LEGEND:

A52 — OUTFALL LOCATION WITH I.D. (GIS LOCATED)

N.J. MUNICIPAL BOUNDARY

RIGHT-OF-WAY

SURFACE WATER (STREAMS/RIVERS)

SURFACE WATER (LAKE/POND)

REFERENCES:

NJ OFFICE OF INFORMATION TECHNOLOGY, OFFICE OF GIS (NJOGIS), "MUNICIPAL BOUNDARIES OF NEW JERSEY", 20200410.

NJ OFFICE OF INFORMATION TECHNOLOGY, OFFICE OF GIS (NJOGIS), "PARCELS AND MOD-IV OF BERGEN COUNTY, NEW JERSEY", 20190715.

NJ DEPARTMENT OF ENVIRONMENTAL PROTECTION (NJDEP), OFFICE OF INFORMATION RESOURCES MANAGEMENT (ORIM), BUREAU OF GEOGRAPHIC INFORMATION SYSTEMS (BGIS), "NATIONAL HYDROGRAPHY DATASET (NHD) STREAMS 2002", 20101101.

NJ DEPARTMENT OF ENVIRONMENTAL PROTECTION (NJDEP), OFFICE OF INFORMATION RESOURCES MANAGEMENT (ORIM), BUREAU OF GEOGRAPHIC INFORMATION SYSTEMS (BGIS), "NATIONAL HYDROGRAPHY DATASET (NHD) WATERBODY 2002", 20101101.

VAN CLEEF ENGINEERING ASSOCIATES, LLC, ArcGIS ONLINE DATABASE, FEATURE LAYER ENTITLED, "ALLENDALE DRAINAGE", LAST UPDATED 20210416.

GRAPHIC SCALE
0 150 300 600
1 INCH = 300 FT

ALLENDALE BROOK OUTFALL LOCATIONS

STORMWATER POLLUTION PREVENTION PLAN
ALLENDALE BOROUGH, BERGEN COUNTY, NEW JERSEY
VCEA PROJECT NO: ALN-1006
APRIL 30, 2021

BOROUGH OF ALLENDALE
500 W. CRESCENT AVENUE
ALLENDALE, NEW JERSEY, 07401

Van Cleef ENGINEERING WITH FOCUS
VAN CLEEF ENGINEERING ASSOCIATES, LLC
111 HOWARD BLVD, SUITE 105, MT. ARLINGTON, NJ 07856
WEB: WWW.VANCLEEFENGINEERING.COM
PHONE (862) 234-1100

Bridges/Highway
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Geotechnical
Landscape Architecture
Land Development
Municipal Engineering
Site Development
Surveying and Mapping
Water/Wastewater

Offices in:
New Jersey
Eastern Pennsylvania
Delaware

5 / 5

F:\PROJECTS\New Jersey\02-Bergen\Allendale\ALN-1006 STORMWATER\2021 SPPP\DWG\ALN-1006 Allendale Outfall Locations Exhibit.dwg jimcmahon 8/19/2021 9:58:42 AM

BOROUGH OF ALLENDALE

4.0- MUNICIPAL INSPECTION AND CLOSEOUT FORMS

SPPP FORM 16-Illicit Connection Inspection Report Form

Municipality Information

Municipality:_____County _____

NJPDES # :_____PI ID #: _____

Team Member: _____

Date_____Effective Date of Permit Authorization (EDPA):_____

Outfall #:_____Location:_____

Receiving Waterbody: _____

1. Is there a dry weather flow? Y ( ) N ( )
2. If "YES", what is the outfall flow estimate?_____ gpm
   (flow sample should be kept for further testing, and this form will need to be submitted with the Annual Report and Certification)
3. Are there any indications of an intermittent flow? Y ( ) N ( )
4. If you answered "**NO**" to BOTH questions #1 and #3, there is probably not an illicit connection and you can skip to question #7.
   (NOTE: This form **does not** need to be submitted to the Department, but should be kept with your SPPP.)

   If you answered "**YES**" to either question, please continue on to question #5.
   (NOTE: This form will need to be submitted to the Department with the Annual Report and Certification.)

5. **PHYSICAL OBSERVATIONS**: Circled one, If Other (Explain)

(a) **ODOR**: None/ Sewage/ Sulfide/ Oil/ Gas/ Rancid/Sour / Other_____

(b) **COLOR**: None/ Yellow/ Brown/ Green/ Red/ Gray/ Other_____

(c) **TURBIDITY**: None/ Cloudy/ Opaque

(d) **FLOATABLES**: None/ Petroleum/ Sheen/ Sewage/ Other_____

(e) **DEPOSITS/STAINS**: None/ Sediment/ Oily/ Other_____

(f) **VEGETATION CONDITIONS**: Normal/ Excessive Growth/ Inhibited Growth

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

IDENTIFY STRUCTURE: _____

DAMAGE: None/ Concrete Spalling/Cracking/ Peeling Pain/ Metal Corrosion

6. **ANALYSES OF OUTFALL FLOW AMPLE:**

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

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

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

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

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

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

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

(c) **FLUORIDE:** _____ mg/L

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

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

(d) **TEMPERATURE:**_____°F

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

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

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

   If "**YES**", what is the suspected source?
   If "**NO**", skip to signature block on the bottom of this form.

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

   Y ( ) N ( )

   If "**YES**", proceed to question #9.
   If "**NO**", skip to signature block on the bottom of this form.

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

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

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

   Resolution: _____

   If "**NO**", complete the Closeout Investigation Form and attach it to this Illicit Connection Inspection Report Form.

Inspector's Name: _____

Title: _____

Signature:_____

Date: _____

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

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

SPPP FORM 17-Closeout Investigation Form

Municipality Information

Municipality:_____County_____

NJPDES # : NJG___PI ID #: _____

Team Member / Title: _____

Outfall #:_____Location:_____

Receiving Waterbody: _____

Basis for Submittal:

( ) A non-stormwater discharge was found, but no source was located within six months.

( ) An intermittent non-stormwater discharge was observed, and three unsuccessful investigations were conducted to investigate the discharge while it was flowing.

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

Inspector's Name: _____

Title: _____

Signature:_____

Date: _____

Borough of Allendale

5.0- DEPARTMENT OF PUBLIC WORKS (DPW) STANDARDS OPERATION PROCEDURES (SOP)

5.1 Vehicle Maintenance, Fueling Operations, Spill Response, Maintenance and Inspection

Introduction

This SOP outlines the basic management practices for waste management, spill prevention, pollution control, containment and countermeasures during vehicle maintenance and fuel operations at the Borough of Allendale DPW facilities including maintenance at ancillary locations within the municipality.

Vehicle Maintenance

Guidelines for vehicle maintenance at the Borough of Allendale MS4 vehicle maintenance yards:

a) Maintain an inventory of materials and machinery;
b) Vehicle maintenance operations should be conducted at designated areas;
c) Maintain and store equipment in designated areas designated to prevent exposure of pollutants to stormwater;
d) When possible, conduct vehicle maintenance at indoors location with an impervious surface and shall use a drip pan;
e) If vehicle maintenance is to be conducted outdoors and lasting more than one day, portable tents or covers shall be placed over the equipment being serviced when not being worked on, shall use a drip pan at all times and block storm drain inlets when conducting vehicle maintenance;
f) Absorbent spill clean-up materials (absorbent pads, booms) shall be available in indoor and outdoor maintenance areas and shall be disposed in accordance with local, county and state guidelines.
g) Inspect incoming equipment and vehicle for leaks including information regarding:
    - ❖ Keeping records of discarded parts and materials, including transfer information;
    - ❖ Drain all liquids from parts before disposal; and
    - ❖ Recycle degreasers, used oil, oil filters, antifreeze, cleaning solutions and hydraulic fluid.
h) Use a non-toxic or less toxic cleaning material. For example, vehicles that use hydraulic equipment, consider using a vegetable-based hydraulic oil, which is biodegradable.

Fuel Operations

Guidelines for fuel operations at the Borough of Allendale MS4 to address vehicle fueling:

a) Receiving and transfer of bulk fuel shall be supervise by trained personnel at all times;
b) Drip pans shall be placed under all hose and pipe connections and leak-prone areas during bulk transfer of fuel;
c) Block storm sewer inlets, or contain tank trucks used for bulk transfer, with temporary berms or temporary absorbent booms during the transfer process;
d) When using temporary berms or booms instead of blocking inlets, all hose connections points associated with the transfer of fuel shall be within the temporarily bermed or boomed area during the loading/unloading of bulk fuels;
e) Transfer of fuel shall take place during daylight hours in non-rain events whenever practical;
f) Prior to fuel transfer, check the level and volume of fuel in tank to ensure tank can accept volume;
g) DPW designated trained personnel shall verify that spill clean-up material is readily available if need it and in adequate supply;
h) Train staff in proper SOP's for fueling, spill prevention, and fuel cleanup practices.
i) DPW designated personnel must supervise fuel transfer and visually inspect the fuel transfer area for
j) Instructions for safe operation of fueling equipment shall be post in a prominent area of the facility including information regarding:
    - ❖ Topping off of vehicles, mobile fuel tanks, and storage tanks is strictly prohibited;
    - ❖ Stay in view of fueling nozzle during dispensing; and
    - ❖ Contact information for the person(s) responsible for spill response.
k) Immediately repair or replace any equipment, tanks, pumps, piping and fuel dispensing equipment found to be leaking or in disrepair.

Spill Response

Guidelines for spill response at the Borough of Allendale MS4 are as follows:

a) Immediate cleanup are to be conducted for any spills
b) Uncontained spills are to be cleaned up using dry absorbent materials.

c) Contact DPW Director of Operations: Ron Kistner at (201) 818-4411.
d) All waste collected should be disposed properly in accordance with local, county and state guidelines.

Maintenance and Inspection

The Borough of Allendale MS4 areas shall be inspected as follows:

a) Fueling areas shall be inspected at least once a month;
b) Vehicle maintenance areas shall be inspected at least once a month;
c) Spill cleanup supply material shall be inspected for adequacy on a weekly basis;
d) Inspect for leaks and damaged equipment on a bi-weekly basis; and
e) Repair or replace any damaged fuel dispenser equipment, pumps, valves, tanks and pipes.
f) When installing new tanks consider aboveground storage tanks rather than underground storage tanks.

5.2 On-Site Equipment and Vehicle Washing and Wash Wastewater Containment

Tier A Standards

Tier A municipalities which cannot discharge wash wastewater to a sanitary sewer or which cannot otherwise comply with manage of any equipment and vehicle washing activities so that there are no unpermitted discharges of wash wastewater to storm sewer inlets or to waters of the State; may temporarily contain wash wastewater prior to proper disposal under the following conditions:

a) Containment structures shall not leak. Any underground tanks and associated piping shall be tested for integrity every three (3) years using appropriate methods determined by "The List of Leak Detection Evaluations for Storage Tank Systems" created by the National Work Group on Leak Detection Evaluations (NWGLDE) or as determined appropriate and certified by a professional engineer for the site specific containment structure(s).
b) For any cathodically protected containment system, provide a passing cathodic protection survey every three (3) years.
c) Operate containment structures to prevent overfilling resulting from normal or abnormal operations, overfilling, malfunctions of equipment, and human error. Overfill prevention shall include manual sticking/gauging of the tank before each use unless system design prevents such measurement. Tank shall no longer accept wash wastewater when determined to be at 95% capacity. Record each measurement to the nearest ½ inch.
d) Before each use, perform inspections of all visible portions of containment structures to ensure that they are structurally sound, and to detect deterioration of the wash pad, catch basin, sump, tank, piping, risers, walls, floors, joints, seams, pumps and pipe connections or other containment devices. The wash pad, catch basin, sump and associated drains should be kept free of debris before each use. Log dates of inspection, inspector's name, and conditions. This inspection is not required if system design prevents such inspection.
e) Containment structures shall be emptied and taken out of service immediately upon detection of a leak. Complete all necessary repairs to ensure structural integrity prior to placing the containment structure back into service. Any spills or suspected release of hazardous substances shall be immediately reported to the NJDEP Hotline (1-877-927-6337) followed by a site investigation in accordance with N.J.A.C. 7:26C and N.J.A.C. 7:26E if the discharged is confirmed.
f) All equipment and vehicle wash wastewater placed into storage must be disposed of in a legally permitted manner (e.g. pumped out and delivered to a duly permitted and/or approved wastewater treatment facility).
g) Maintain a log of equipment and vehicle wash wastewater containment structure clean-outs including date and method of removal, mode of transportation (including name of hauler if applicable) and the location of disposal. See Underground Vehicle Wash Water Storage Tank Use Log at end of this attachment.
h) Containment structures shall be inspected annually by a NJ licensed professional engineer. The engineer shall certify the condition of all structures including: wash pad, catch basin, sump, tank, piping, risers to detect deterioration in the walls, floors, joints, seams, pumps and pipe connections of other containment devices using the attached Engineer's Certification of Annual Inspection Equipment and Vehicle Wash Wastewater Containment Structure. This certification may be waived for self-contained systems on a case-by-case basis.
i) All logs, inspection records, and certification are to be maintained on site and made available to the Department upon request.

Spill Response

Guidelines for spill response at the Borough of Allendale MS4 are as follows:

a) Immediate cleanup are to be conducted for any spills
b) Uncontained spills are to be cleaned up using dry absorbent materials.
c) Contact DPW Director of Operations: Ron Kistner at (201) 818-4411.
d) All waste collected should be disposed properly in accordance with local, county and state guidelines.

5.3 Good Housekeeping

Good Housekeeping Standards

Basic practices of good housekeeping shall be implemented at maintenance yards including maintenance activities at ancillary locations within the Borough of Allendale.

a) Entire site shall be inspected under dry and wet conditions in a monthly basis
b) Identify illicit discharges or negative impacts to municipal MS4 and conditions that contribute to stormwater contamination.

c) Inspection logs detailing conditions requiring attention and remedial actions taken for all activities occurring at municipal maintenance yards and other ancillary locations shall be maintained on-site with SPPP and made available to department upon request.
d) All containers shall be labeled, clean, legible, visible, covered and in good condition.
e) Keep storage areas clean and well organized.
f) Containers should be stored indoors whenever practical.
g) Protect spill kits and drip pans near all liquid transfer areas from rainfall.
h) Conduct cleanups of spills of liquids or dry materials immediately after discovery.
i) Regularly maintain outdoor storage locations.

APPENDICES

APPENDIX A

ENGINEERS CERTIFICATION OF ANNUAL INSPECTION OF EQUIPMENT AND VEHICLE WASH WASTEWATER CONTAINMENT STRUCTURE

ENGINEERS CERTIFICATION OF ANNUAL INSPECTION OF EQUIPMENT AND VEHICLE WASH WASTEWATER CONTAINMENT STRUCTURE

(Complete a separate form for each vehicle wash wastewater containment structure)

Permittee:_____ NJPDES Permit No: _____

Containment Structure Location: _____

The annual inspection of the above referenced vehicle wash wastewater containment structure was conducted on_____(date). The containment structure and appurtenances have been inspected for:

1. The integrity of the structure including walls, floors, joints, seams, pumps and pipe connections
2. Leakage from the structure's piping, vacuum hose connections, etc.
2 Bursting potential of tank.
3. Transfer equipment
4. Venting
5. Overflow, spill control and maintenance.
6. Corrosion, splits, and perforations to tank, piping and vacuum hoses

The tank and appurtenances have been inspected for all of the above and have been determined

to be:

Acceptable _____

Unacceptable _____

Conditionally Acceptable _____

List necessary repairs and other conditions: _____

_____

_____

_____

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment (N.J.A.C. 7:14A-2.4(d)).

Name (print):_____Seal:

Signature: _____

Date: _____

APPENDIX B

Underground Vehicle Wash Water Storage Tank Use Log

Underground Vehicle Wash Water Storage Tank Use Log

Name and Address of Facility _____

Facility Permit Number _____

Tank ID Number_____ Tank Location _____

Tank Volume_____gallons Tank Height_____inches

95% Volume_____gallons 95% Volume_____inches

Date and Time	Inspector	Height of Product Before Introducing Liquid (inches)	Is Tank Less Than 95% Full? (Y/N)	Visual Inspection Pass? (Y/N)	Comments

Notes: The volume of liquid in the tank should be measured **before** each use.

Liquid **should not be introduced** if the tank contains liquid at 95% of the capacity or greater.

A visual inspection of all exposed portions of the collection system should be performed before each use. Use the comments column to document the inspection and any repairs.

APPENDIX C

Underground Vehicle Wash Water Storage Tank Pump Out Log

Underground Vehicle Wash Water Storage Tank Pump Out Log

Name and Address of Facility _____

Facility Permit Number _____

Tank ID Number_____

Tank Location _____

Tank Volume_____gallons

Date and Time of Pump Out	Volume of Liquid Removed	Waste Hauler *	Destination of the Liquid Disposal *

* The Permittee must maintain copies of all hauling and disposal records and make them available for inspection.