

Stormwater Pollution Prevention Plan

Borough of Caldwell

24 Smull Avenue Caldwell, New Jersey

NJPDES # NJG0152901

April 25, 2023

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SPPP Form 1 – SPPP Team Members

Stormwater Program Coordinator (SPC)	
Print Name and Title	Glenn Beckmeyer PE, PP, CME, CFM
Office Phone # and e-Mail	201-635-9401
Signature/Date	
<p>Individual(s) Responsible for Major Development Project Stormwater Management Review</p> <p>Please see training requirements for stormwater management reviewers on Form 9.</p>	
Print Name/ Title/Affiliation	Glenn Beckmeyer PE, PP, CME, CFM
Print Name/ Title/Affiliation	
Print Name/ Title/Affiliation	
Print Name/ Title/Affiliation	
Print Name/ Title/Affiliation	
Other SPPP Team Members	
Print Name/ Title/Affiliation	Mario Bifalco Public Works Director
Print Name/ Title/Affiliation	Glenn Beckmeyer Jr Staff Engineer
Print Name/ Title/Affiliation	
Print Name/ Title/Affiliation	

SPPP Form 2 – Revision History

	Revision Date	SPC Initials	SPPP Form Changed	Reason for Revision
1.				
2.				
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SPPP Form 3 – Public Involvement and Participation Including Public Notice

<p>1. Website URL where the Stormwater Pollution Prevention Plan (SPPP) is posted online:</p>	<p>http://www.caldwell-nj.com/</p>
<p>2. Physical location and/or website URL where records of public notices, meeting dates, minutes, etc. are kept:</p>	<p>April 25th, 2023</p>
<p>3. Describe how the permittee complies with applicable state and local public notice requirements when providing for public participation in the development and implementation of its MS4 stormwater program:</p>	
<p>For meetings where public notice is required under the Open Public Meetings Act, the Borough of Caldwell provides public notice in a manner that complies with the requirements of that Act. The Borough of Caldwell provides public notice in a manner that complies with the requirements of N.J.S.A 40:49-1 et seq. In addition, the borough of Caldwell complies with municipal actions that are subject to the public notice requirement in the Municipal Land Use Law.</p>	

SPPP Form 4 – Public Education and Outreach

This is only required for colleges, universities, and military bases with dependents living on base.

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

Public education and outreach events are advertised on the borough's website and are advertised at the borough hall through handouts.

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

Borough Hall

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

1. How does the permittee define ‘major development’?

Ord. No 206-II Definitions. "Major Development":

“Major development” means an individual “development,” as well as multiple developments that individually or collectively result in:

1. The disturbance of one or more acres of land since February 2, 2004;
2. The creation of one-quarter acre or more of “regulated impervious surface” since February 2, 2004;
3. The creation of one-quarter acre or more of “regulated motor vehicle surface” since March 2, 2021
4. A combination of 2 and 3 above that totals an area of one-quarter acre or more. The same surface shall not be counted twice when determining if the combination area equals one-quarter acre or more.

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 meet any one or more of paragraphs 1, 2, 3, or 4 above. 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. Describe the process for reviewing and approving major development project applications for compliance with the stormwater management rules at N.J.A.C. 7:8 et seq. Attach a flow chart if available. If applicable, provide the physical location of the mitigation plan required to grant a variance or exemption from the design and performance standards for stormwater management measures.

The process for reviewing major development project applications for compliance is as follows:

1. Application and checklist is completed and submitted with supporting documents by the Applicant.
2. Technical review is performed by the Borough Engineer. Review perimeters include:
 1. Municipal stormwater ordinances;
 2. State regulations including N.J.A.C. 7:8 and BMP Manual; and
 3. Approval from outside agencies are required.
3. Engineering review is submitted to the Borough Planning or Zoning Board.

3. Indicate the physical location of approved applications for major development projects and Major Development Summary Sheets (permit Attachment D)?

Borough of Caldwell Municipal Building
24 Smull Avenue
Caldwell, NJ 07006

SPPP Form 6 – Regulatory Mechanisms

Regulatory Mechanism	Date of Adoption	Website URL	DEP model regulatory mechanism adopted w/o change?	Entity responsible for enforcement
1. Pet Waste permit cite IV.B.5.a.i.	10/04/2005	https://caldwell-nj.com/index.asp?SEC=61790AED-107C-4E12-971F-D0F30D086A1B	Yes	Police Department & Board of Health
2. Wildlife Feeding permit cite IV.B.5.a.ii.	10/04/2005	https://caldwell-nj.com/index.asp?SEC=61790AED-107C-4E12-971F-D0F30D086A1B	Yes	Police Department & Board of Health
3. Litter Control permit cite IV.B.5.a.iii.	10/04/2005	https://caldwell-nj.com/index.asp?SEC=61790AED-107C-4E12-971F-D0F30D086A1B	Yes	Police Department & Board of Health
4. Improper Disposal of Waste permit cite IV.B.5.a.iv.	10/04/2005	https://caldwell-nj.com/index.asp?SEC=61790AED-107C-4E12-971F-D0F30D086A1B	Yes	Police Department & Board of Health
5. Residential Yard Waste Collection <i>(for residences located within permittee property)</i> permit cite IV.B.5.a.v.	10/04/2005	https://caldwell-nj.com/index.asp?SEC=61790AED-107C-4E12-971F-D0F30D086A1B	Yes	Borough Engineer, DPW & Police Department
6. Illicit Connection Prohibition permit cite IV.B.5.a.vii.	10/04/2005	https://caldwell-nj.com/index.asp?SEC=61790AED-107C-4E12-971F-D0F30D086A1B	Yes	Board of Health & the Borough Engineer
Indicate the location of records associated with the regulatory mechanisms above and related enforcement actions:				
Borough of Caldwell Municipal Building 24 Smull Avenue Caldwell, NJ 07006				

SPPP Form 7 – Street Sweeping

<p>1. Provide a map or describe the location of all streets and paved parking lots that are owned or operated by the permittee. Indicate which of these streets and parking lots have storm drain inlets that direct stormwater runoff into an MS4 or discharge directly to surface water.</p>
<p>Street sweeping is done by Department of Public Works. Throughout the months of March through December all streets within the Borough of Caldwell are swept every 4 weeks</p>
<p>2. Describe the sweeping schedule for all streets and paved parking lots that are owned or operated by the permittee.</p>
<p>Street sweeping is done by Department of Public Works. Throughout the months of March through December all streets within the Borough of Caldwell are swept every 4 weeks</p>
<p>3. Indicate the location of records, including sweeping dates, areas swept, number of miles swept and total amount of materials collected each month.</p>
<p>Borough of Caldwell Municipal Building 24 Smull Avenue Caldwell, NJ 07006</p>

SPPP Form 8 – Catch Basins and Storm Drain Inlets

<p>1. Describe the schedule for inspections, cleaning, and maintenance of catch basins and storm drain inlets that are owned or operated by the permittee.</p>
<p>All catch basins are visually inspected throughout the year, especially after major rain events. Based off of the visual inspections cleaning and maintenance follows.</p>
<p>2. List the locations of catch basins and storm drain inlets with recurring problems, i.e., flooding, accumulated debris, etc. For each, describe what measures are taken to address the problems and explain how such work is prioritized.</p>
<p>There are no recurring problems.</p>
<p>3. Describe the inspection and label maintenance plan on storm drain inlets that do not have permanent wording cast into the design.</p>
<p>N/A</p>
<p>4. Indicate the location of records that include catch basin and storm drain inlet inspections, and the amount of materials collected during catch basin and storm drain inlet cleanings.</p>
<p>Borough of Caldwell Municipal Building 24 Smull Avenue Caldwell, NJ 07006</p>
<p>5. Describe how the permittee ensures that storm drain inlets within the Public Complex are retrofitted.</p>
<p>When storm inlet castings are replaced/updated they are replaced with castings that have permanent wording casted into the design. Any storm inlets without permanent wording are yearly inspected and will be relabeled if needed.</p>

SPPP Form 9 – Employee Training

A. Permittee 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/Ancillary Operations	Every year	DEP online or with DWP Director
2. Stormwater Facility Maintenance	Every year	DEP online or with DWP Director
3. SPPP Training & Recordkeeping	Every year	DEP online or with DWP Director
<i>For Public Complexes with residents only</i> 4. Residential Yard Waste Collection	Every 2 years	DEP online or with DWP Director
5. Street Sweeping	Every 2 years	DEP online or with DWP Director
6. Illicit Connections & Outfall Mapping	Every 2 years	DEP online or with DWP Director
7. Outfall Stream Scouring	Every 2 years	DEP online or with DWP Director
8. Waste Disposal Education	Every 2 years	DEP online or with DWP Director
9. Regulatory Mechanisms	Every 2 years	DEP online or with DWP Director
10. Construction Activity/Post-Construction Stormwater Management in New Development and Redevelopment	Every 2 years	DEP online or with DWP Director

B. Stormwater Management Reviewer Training: All individuals who review the stormwater management design for development and redevelopment projects on behalf of the permittee 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 permittee’s list of the names and dates of individuals that received the Department approved training: Mario Bifalco

SPPP Form 10 – Maintenance Yards and Other Ancillary Operations

Complete separate forms for each location.

<p>1. Address of maintenance yard or ancillary operation (complete one form per location):</p>
<p>1 Provost Square, Caldwell, New Jersey</p>
<p>2. List all materials and machinery located at this location that are exposed to stormwater which could be a source of pollutants in a stormwater discharge.</p> <p>Raw materials – cold patch kept in 5 gallon buckets they are bought in</p> <p>Intermediate products –</p> <p>Final products –</p> <p>Waste materials –</p> <p>By-products –</p> <p>Machinery – 47 Western Star, Compactor Truck, Street Sweeper, John Deere Loader, Ford F750, 3 Ford F550, 3 Ford F350, Ford F250 GMC 150</p> <p>Fuel – 5 Gallons kept in cabinet.</p> <p>Lubricants – grease for machinery kept in cabinet.</p> <p>Solvents – minimal kept in cabinet.</p> <p>Detergents related to maintenance yard or ancillary operations –</p> <p>Other –</p>

3. Indicate the location of monthly inspection logs documenting inspections of this location:

Borough Hall

4. Describe the procedures for cleaning spills and disposing of clean-up waste. Indicate the location of materials used for cleaning, e.g., kitty litter, sawdust, etc.

Speedy Dry kept in DPW Garage in case of spill. If spill occurs, speedy dry will be used to contain spill. After spill is cleaned all materials used will be properly disposed of depending on the material that was spilled.

5. List all containers stored at this location, including the content, and location. For containers that are stored outside, indicate if they are covered, what they are placed upon, and if the area is graded or contained by berms.

Cabinets are used within DPW Garage to contain all materials.

6. For each category below, describe the best management practices in place to ensure compliance with all requirements in the permit. Indicate the location of inspection logs and tracking forms associated with this maintenance yard or ancillary operation, including documentation of conditions requiring attention and remedial actions that have been taken or have been planned.

a. Fueling Operations

All fueling is done at the gas station.

b. Discharge of Stormwater from Secondary Containment

c. Vehicle Maintenance

Minimal in-house maintenance is done. Near by mechanic shop is utilized for most vehicle maintenance.

d. On-Site Equipment and Vehicle Washing

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

No on-site vehicle washing occurs.

e. Salt and De-Icing Material Storage and Handling

Shared service is used to supply salt to borough.

f. Aggregate Material and Construction Debris Storage

no storage of material onsite. Only purchase materials when needed then used.

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

Material is collected in sweeper and transferred to dumper to be taken to dump.

h. Yard Trimmings and Wood Waste Management

Note that leaves, grass clippings, woodchips, and brush are considered yard trimmings and trees, stumps, and untreated lumber are considered wood waste.

Yard Waste is collected in trucks and dumped at the compost facility.

SPPP Form 11 – Mapping Outfall Pipes and Stormwater Facilities

Visit https://www.nj.gov/dep/dwq/msrp_map_aid.htm for the NJ DEP free mapping application.

- 1. Mapping Outfall Pipes:** Attach an image or provide a link to a map of the outfall pipes located on the Public Complex property, showing the location of the end of all MS4 outfall pipes (in tidal and non-tidal receiving waters) owned or operated by the Public Complex which discharge to a surface water body. Include the location and name of all surface water bodies receiving discharges from those outfall pipes.

Note that the permittee must submit the outfall pipe map to NJ DEP by January 1, 2020. Updates to the outfall pipe map shall be submitted annually to include new or newly identified outfall pipes. Outfall pipes may be included on the map of stormwater facilities and submitted with the Annual Report and Certification (see #2 below).

Caldwell-nj.com

- 2. Mapping Stormwater Facilities:** Attach an image or provide a link to a map of the stormwater facilities located on the Public Complex property. Include the property boundaries of the Public Complex, location of each stormwater facility, e.g., outfalls, inlets, basins, subsurface infiltration/detention systems, culverts, MTDs, green infrastructure, etc.

Note that the permittee must submit the stormwater facilities map to NJ DEP by January 1, 2020. Updates to the stormwater facilities map shall be submitted annually to include new or newly identified stormwater facilities as an attachment to the Annual Report and Certification.

Still in creation

SPPP Form 12 – Outfall Pipe Inspections

1. Inspections: Describe the program in place to inspect the outfall pipes located on Public Complex property. Records must include the location, inspection date, inspector name, findings, preventative and corrective maintenance performed. Indicate the location of records.

All outfalls are inspected each year.

2. 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.

All outfalls are inspected each year.

3. Illicit Discharges: Describe the program in place for conducting visual dry weather inspections of permittee-owned or operated outfall pipes. Record results of investigations and actions taken using NJDEP’s form at https://www.nj.gov/dep/dwq/public_complex/pdf/PC_Illicit%20Connection%20Inspection%20Report%20Formpdf.pdf.

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 NJ DEP as an attachment to the Annual Report and Certification.

SPPP Form 13 –Stormwater Facilities Inspection and Maintenance

1. Inspections: Describe the program in place to inspect, clean, and maintain the stormwater facilities located on Public Complex property. Records must include the type of stormwater facility, location, inspection date, inspector name, findings, preventative and corrective maintenance performed. Indicate the location of records.

N/A

2. Maintenance: Indicate the location of maintenance plans related to maintenance of stormwater facilities on Public Complex property.

NJDEP provides materials to assist permittees with this requirement at https://www.nj.gov/dep/stormwater/maintenance_guidance.htm.

SPPP Form 14 – Total Maximum Daily Load Information

1. List the names of the adopted Total Maximum Daily Loads (TMDLs), parameters addressed, and the affected water bodies associated with any segment of surface water wholly or partially within or bordering the Public Complex.

Refer to the list of TMDL reports provided at <http://www.nj.gov/dep/wms/bears/tmdls.html>.

Utilize the TMDL look-up tool at <https://www.nj.gov/dep/dwq/msrp-tmdl-rh.htm> to identify impaired water bodies bordering the Public Complex.

Applicable Stream TMDL(s)

- Total Maximum Daily Loads for Fecal Coliform to Address 32 Streams in the Northeast Water Region

Fecal Coliform - 2003 : Deepavaal Bk : [View the TMDL Document](#)

- Total Maximum Daily Loads for Fecal Coliform to Address 32 Streams in the Northeast Water Region

Fecal Coliform - 2003 : Passaic R at Two Bridges between Whippany and Pompton Rivers : [View the TMDL Document](#)

- Total Maximum Daily Load Report for the Non-Tidal Passaic River Basin Addressing Phosphorus Impairments

Total Phosphorus - 2008 : Deepavaal Brook : [View the TMDL Document](#)

- Total Maximum Daily Load Report for the Non-Tidal Passaic River Basin Addressing Phosphorus Impairments

Total Phosphorus - 2008 : Passaic R Upr (Pine Bk br to Rockaway) : [View the TMDL Document](#)

Applicable Lake TMDL(s)

None

Applicable Shellfish TMDL(s)

None

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

For guidance on TMDLs, visit <https://www.nj.gov/dep/dwq/pdf/10-21-16-tmdl-tool-box.pdf>.

SPPP Form 15 – Additional Measures and Optional Measures

1. Additional Measures: Describe any Best Management Practice(s) and the related measurable goal or numeric effluent limitations that are expressly required by the Department to be included in the permittee’s stormwater program by a TMDL.

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2. Optional Measures: Describe any Best Management Practice(s) the permittee has developed that extend beyond the requirements of the Public Complex MS4 NJPDES permit that prevents or reduces water pollution.

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SPPP Form 16 – Shared Services

1. List the permit conditions that are satisfied through a shared or contracted service where an entity other than the permittee is implementing BMP(s) or control measure(s) on the permittee’s behalf. Include the name of the entity responsible for satisfying each applicable permit condition.

Note that the permittee is responsible for ensuring that the BMP(s)/control measure(s) are at least as stringent or as frequent as the corresponding permit requirement. The permittee is responsible for compliance with the permit if the other entity fails to implement the measure(s) or component(s).

The permittee is responsible for maintaining the appropriate documentation related to permit conditions, including those satisfied through shared services, in the SPPP and on the Annual Report and Certification.

2. For each permit condition that is satisfied through a shared or contracted service, describe the arrangements in place. Indicate the physical location of any written agreements and records.