

3048/26



RECEIVED
08-18-2026
Division of Water

Division of Water
Commercial and Government Services Section

Department of Natural Resources
and Environmental Control
89 Kings Hwy
Dover, DE 19901
dnrec.delaware.gov

Phone: (302) 739-9948

INSTRUCTIONS FOR COMPLETING THE PERMIT APPLICATION FOR THE CONSTRUCTION OF WASTEWATER COLLECTION AND CONVEYANCE SYSTEMS

The following items must accompany the application. **Please note that incomplete application packages will be returned in their entirety and not reviewed until such time as all required information is received.**

- 1. A narrative summary of the intended purpose and design of the proposed facilities.
- 2. One (1) set of final construction plans and specifications (paper copy), if applicable, signed and sealed by a Delaware-registered Professional Engineer, or a Delaware-registered Professional Land Surveyor for gravity systems only.
- 3. One (1) electronic copy of final Plans.
- 4. The final plans must be drawn to scale showing slopes, inverts, pipe types and sizes, existing and proposed ground surfaces, tops of manholes, water lines, stormwater and stream crossings, encasements shown in plan and profile, and other information if pertinent or requested.
- 5. For pump/lift stations and force mains, include all calculations and pump/performance curves.
- 6. A check made payable to the **State of Delaware** for two thousand and five hundred dollars (\$2500.00), the non-refundable permit review fee. This fee covers the initial review and one follow-up review of any corrections or changes made to address the Division's comments. An additional two thousand and five hundred dollars (\$2500.00) non-refundable review fee must be submitted for resubmission of the plans if changes are made to the project which trigger a complete review of the permit application.
- 7. Your permit will have a public notice requirement if your system includes force mains or pump/lift stations. Include a check made payable to the State of Delaware for three hundred dollars (\$300.00) for the reimbursement of legal notices if the system has a force main connection or a pump/lift station.
- Please submit the completed application package, as outlined above, to DE DNREC, Division of Water, Commercial and Government Services Section, 89 Kings Highway, Dover, DE 19901. Please note, a new application, including the review fee, must be submitted if the Division's comments are not addressed or if requested supplemental information is not provided within one (1) year of the comment or request date.
- The following items must be submitted prior to permit issuance:
 - 8. Verification from the appropriate county or municipal planning authority that the project has the proper zoning approval.
 - 9. A letter from the owner/operator of the wastewater facilities to which the proposed collection and conveyance facilities connect. The letter must include confirmation that the owner/operator has approved the project, that the owner/operator will take responsibility for treating and disposing of the wastewater to be conveyed and that the downstream facilities have the capacity to manage the additional flows without causing or contributing to violations of Delaware's Environmental Protection Act (7 Del. C., Chapter 60) and the regulations promulgated thereafter. This includes, but is not limited to, unauthorized discharges such as overflows at manholes and violations of the treatment system's operating permit (for example, the National Pollutant Discharge Elimination System (NPDES) permit).
 - Visit us on the web at: <https://dnrec.delaware.gov/water/commercial-government/>

**APPLICATION FOR THE CONSTRUCTION OF
WASTEWATER COLLECTION AND CONVEYANCE SYSTEMS**

Application must be complete, typewritten or clearly printed

Date Application Submitted 8/6/2026

PROJECT INFORMATION			
Project Name and Location/ Address Hyetts Landing 379 Hyetts Corner Road Middletown, DE 19709			
Tax Parcel Number(s) 13-008.00-009			
County ☐ Kent ☒ New Castle ☐ Sussex		Watershed (www.dnrec.delaware.gov/swc/wa/Pages/WatershedAssessment.aspx) ☐ Chesapeake Bay ☒ DE Bay/Estuary ☐ Inland Bays/Atl Ocean ☐ Piedmont	
Sewer District or Interceptor Central Sewer Core Basin		Wastewater Treatment/Disposal Facility Name Water Farm 1 Treatment Plant	
Anticipated Construction Start Date 3/1/2027		Treatment/Disposal Facility Owner and Operating Permit Number New Castle County, DE 0050547	
Please note, construction permits expire three (3) years from the date of permit issuance.			
Are you requesting plan review and comment or <u>WPCC Construction Permit</u> issuance? (circle one)			
Design Flow (gallons/day) Average 25,800	Peak 103,200	Peak Factor 4	Basis of Design 86 @ 300 gpd/unit
Description 86 lot age-restricted residential subdivision			
OWNER/DEVELOPER			
Company Name CCM-Hyetts, LLC			
Mailing Address 724 Yorklyn Rd., Suite 310			
City Hockessin	State DE	Zip 19707	
Contact Name Stephen Deaton			
E-Mail Address deaton5961@gmail.com			
Telephone 302.658.3965	Cell 302.383.9375	Fax	

ENGINEER					
Company Name Merestone Consultants, Inc.					
Mailing Address 5215 W. Woodmill Dr.					
City Wilmington			State DE		Zip 19808
Contact Name Robert Sevensky					
E-Mail Address Robert.Sevensky@MerestoneConsultants.com					
Telephone 302.992.7905		Cell		Fax	
GRAVITY SEWER INFORMATION					
Ownership ☒ Public ☐ Private	Type of Sewer System ☒ Residential ☐ Commercial ☐ Industrial ☐ Other?			If Other, list below	
Type of Pipe	Length (ft)	Diameter (in)	Joint Specification	Min. Slope (ft/ft)	Min. Velocity (ft/sec)
PVC SDR-26	3,982	8 inch	gasketed slip-on	0.00500	2 fps
Minimum Pipe Cover (ft) 4.64	Number of Manholes 21	Drop manholes provided? ☐ Yes ☒ No		Maximum Distance Between Manholes (ft) 300 feet	
Minimum ten foot (10') horizontal & eighteen inch (18") vertical separation from water lines maintained? ☒ Yes ☐ No			If not, explain provisions to prevent cross-contamination: N/A		
Explain any special challenges (for example, stream, highway and/or railroad crossings, directional drilling, elevated sewers, etc.)					
Comments plans reviewed and approved by New Castle County Department of Public Works					

PUMP/LIFT STATION INFORMATION				
Ownership ☒ Public ☐ Private		Type of Wastewater ☒ Residential ☐ Commercial ☐ Industrial ☐ Other?		If Other, list below
Pump Station Flows (gallons/day) Design 133,200		Average 33,300	Peak 133,200	Peak Factor 4
Basis of Design 111 single family units @ 300gpd/unit (average)			Pump Type Suction Lift - Duplex	
Will peak flows be accommodated if largest unit fails? ☒ Yes ☐ No		Pump calc's and pump curves attached? ☒ Yes ☐ No	Cycle Time (minutes) 10	Wet Well Detention Time (minutes) 2.25 (peak), 9 (average)
Check valves provided on discharge line? ☒ Yes ☐ No			Gate valves provided on discharge line? ☒ Yes ☐ No	
If not, explain alternate procedure:				
Ventilation provided in wet well? ☒ Yes ☐ No		Dry Well? ☐ Yes ☒ No (n/a)	Is an alarm system included? ☒ Yes ☐ No	Alternate source of power? ☐ Yes ☒ No
What other provisions for emergency operations? stationary stand-by backup diesel pump with suction and discharge piping permanently connected				
Height of Influent Above Pump (suction head) (ft) -16.29 (suction lift)		Height of Effluent Above Pump (discharge head) (ft) -2.77		Friction Loss (ft) 9.84
Pump Design Point 145 gpm @ 23 TDH	Pump Operating Point 145 gpm @ 23 TDH	Static Head (ft) -2.77	Total Head (ft) 23.4	Required Motor Horsepower (hp) 5
FORCE MAIN INFORMATION				
Type of Pipe PVC DR-18		Length (ft) 386		Diameter (in) 4
Hazen-Williams "C" Design Factor 130	Type of Joints gasketed slip-on, some MJ fittings		Velocity Under Design Conditions (ft/sec) 3.3	Minimum Pipe Cover (ft) 3.5
Air relief valves specified? ☐ Yes ☒ No only at station header		Clean-outs provided? ☒ Yes ☐ No	Maximum distance between clean-outs (ft) 280	
Minimum ten foot (10') horizontal & eighteen inch (18") vertical separation from water lines maintained? ☐ Yes ☒ No		If not, explain provisions to prevent cross-contamination: steel casing provided under road and at location where water main is 12 inches from steel casing		
Comments				

RECEIPT

	August 18, 2026				120	
RCVD FROM	CCM - Hyett's LLC				\$300.00	
	Three Hundred Dollars and 00/100				DOLLARS	
FOR	WPCC Public Notice Reimbursement 3048/26					
ACCT	\$	300.00	x	CHECK #	1178	
PAYMENT	\$	300.00		CASH		
	\$	-		OTHER	BY	Kevin Bronson
DNREC, Commercial & Government Services Section, 89 Kings Hwy, Dover, DE 19901						

RECEIPT

	August 18, 2026					121
RCVD FROM	CCM - Hyett's LLC					\$2,500.00
	Two Thousand Five Hundred dollars and 00/100					DOLLARS
FOR	Plan review fee WPCC 3048/26 Hyetts Landing					
ACCT	\$	2,500.00	x	CHECK #	1179	
PAYMENT	\$	2,500.00		CASH		
	\$	-		OTHER	BY	Kevin Bronson
DNREC, Commercial & Government Services Section, 89 Kings Hwy, Dover, DE 19901						