

3090/25



RECEIVED
11-17-2025
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) 739-9946
Fax: (302) 739-2296

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 eight hundred twenty-five dollars (\$825.00), 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 eight hundred twenty-five dollars (\$825.00) 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 _____

PROJECT INFORMATION			
Project Name and Location/ Address NE Front Street, Rehoboth Blvd To SR1			
Tax Parcel Number(s) N/A - The work takes place within the road right-of-way			
County <input checked="" type="checkbox"/> Kent <input type="checkbox"/> New Castle <input type="checkbox"/> Sussex		Watershed (www.dnrec.delaware.gov/swc/wa/Pages/WatershedAssessment.aspx) <input type="checkbox"/> Chesapeake Bay <input checked="" type="checkbox"/> DE Bay/Estuary <input type="checkbox"/> Inland Bays/Atl Ocean <input type="checkbox"/> Piedmont	
Sewer District or Interceptor		Wastewater Treatment/Disposal Facility Name Kent Regional Resource Recovery Facility	
Anticipated Construction Start Date February 2026		Treatment/Disposal Facility Owner and Operating Permit Number NPDES # DE0020338	
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 issuance?</u> (circle one)			
Design Flow (gallons/day) Average		Peak	Peak Factor
Basis of Design			
Description This a road improvement project that is contracted by DelDOT. However, in order to address a conflict between a proposed drainage structure, short section of the 4-inch sanitary forcemain (owned by City of Milford) and 18-inch sanitary forcemain (owned by Kent County) needs to be relocated.			
OWNER/DEVELOPER			
Company Name City of Milford (4" sanitary forcemain); Kent Count Levy Court (18" sanitary forcemain)			
Mailing Address City of Milford (180 Vickers Dr, Milford, DE 19963); Kent Count Levy Court (555 Bay Road Dover, DE)			
City Milford and Dover		State DE	Zip 19963 and 19901
Contact Name City of Milford (Willis Shafer); Kent Count Levy Court (Sam Bautista)			
E-Mail Address wshafer@milford-de.gov Sam Bautista : Segundo.Bautista@kentcountyde.gov			
Telephone City of Milford (302.422.1173); Kent Count Levy Court (302.744.9725)			

ENGINEER		
Company Name Century Engineering, a Kleinfelder Company		
Mailing Address 550 Bay Road		
City Dover	State DE	Zip 19901
Contact Name Andrew Jakubowitch, PE, MBA		
E-Mail Address ajakubowitch@kleinfelder.com		
Telephone	Cell 302-229-4493	Fax
<p>NARRATIVE</p> <p>The NE Front Street utility improvements include full replacement of the City of Milford's 10-inch water main, strategic relocation of both the City's 4-inch forcemain and Kent County's 18-inch forcemain, and all associated valves, fittings, hydrants, and service connections. Each system is reconstructed to maintain or exceed existing functionality, protect public health, and comply with state and local utility standards. Construction sequencing maintains uninterrupted utility service while enabling safe integration with DelDOT's roadway project.</p>		

PUMP/LIFT STATION INFORMATION				
Ownership <input type="checkbox"/> Public <input type="checkbox"/> Private		Type of Wastewater <input type="checkbox"/> Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Other?		If Other, list below
Pump Station Flows (gallons/day) Design	Average	Peak	Peak Factor	
Basis of Design		Pump Type		
Will peak flows be accommodated if largest unit fails? <input type="checkbox"/> Yes <input type="checkbox"/> No	Pump calc's and pump curves attached? <input type="checkbox"/> Yes <input type="checkbox"/> No	Cycle Time (minutes)	Wet Well Detention Time (minutes)	
Check valves provided on discharge line? <input type="checkbox"/> Yes <input type="checkbox"/> No		Gate valves provided on discharge line? <input type="checkbox"/> Yes <input type="checkbox"/> No		
If not, explain alternate procedure:				
Ventilation provided in wet well? <input type="checkbox"/> Yes <input type="checkbox"/> No	Dry Well? <input type="checkbox"/> Yes <input type="checkbox"/> No	Is an alarm system included? <input type="checkbox"/> Yes <input type="checkbox"/> No	Alternate source of power? <input type="checkbox"/> Yes <input type="checkbox"/> No	
What other provisions for emergency operations?				
Height of Influent Above Pump (suction head) (ft)		Height of Effluent Above Pump (discharge head) (ft)		Friction Loss (ft)
Pump Design Point	Pump Operating Point	Static Head (ft)	Total Head (ft)	Required Motor Horsepower (hp)
FORCE MAIN INFORMATION				
Type of Pipe 4" and 18" PVC C-900		Length (ft) 4" : 48 LF 18" : 107 LF	Diameter (in) 4" and 18"	
Hazen-Williams "C" Design Factor 130	Type of Joints Push-on and Mechanical	Velocity Under Design Conditions (ft/sec) approximately 4 fps	Minimum Pipe Cover (ft) 4 feet	
Air relief valves specified? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Clean-outs provided? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Maximum distance between clean-outs (ft) N/A		
Minimum ten foot (10') horizontal & eighteen inch (18") vertical separation from water lines maintained? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		If not, explain provisions to prevent cross-contamination:		
Comments				

RECEIPT		November 17th, 2025			179	
	RCVD FROM	Century Engineering, Inc.			\$825.00	
		Eight Hundred twenty-five dollars and 00/100			DOLLARS	
	FOR	Plan review fee WPCC 3090/25 NE Front Street				
	ACCT	\$	825.00	x	CHECK #	9295
	PAYMENT	\$	825.00		CASH	
		\$	-		OTHER	BY Kevin Bronson
DNREC, Commercial & Government Services Section, 89 Kings Hwy, Dover, DE 19901						

RECEIPT		November 17th, 2025			180	
	RCVD FROM	Century Engineering, Inc.			\$300.00	
		Three Hundred Dollars and 00/100			DOLLARS	
	FOR	WPCC Public Notice Reimbursement 3090/25				
	ACCT	\$	300.00	x	CHECK #	9375
	PAYMENT	\$	300.00		CASH	
		\$	-		OTHER	BY Kevin Bronson
DNREC, Commercial & Government Services Section, 89 Kings Hwy, Dover, DE 19901						