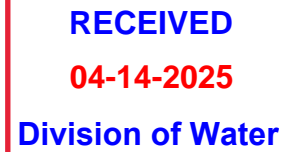


3033/25



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 WHITES POND PRESERVE EAST SIDE OF MONROE AVE EXT. LEWES DE 19958			
Tax Parcel Number(s) 335-8.12-79.00			
County <input type="checkbox"/> Kent <input type="checkbox"/> New Castle <input checked="" 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 CITY OF LEWES		Wastewater Treatment/Disposal Facility Name HOWARD H. SEYMOUR WATER RECLAMATION PLANT	
Anticipated Construction Start Date JULY 2025		Treatment/Disposal Facility Owner and Operating Permit Number LEWES BOARD OF PUBLIC WORKS PERMIT # DE0021512	
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 3,500 GAL / DAY		Peak 14,000 GAL / DAY	Peak Factor 4.0
Basis of Design SCOUR VELOCITY 250 GPD PER UNIT			
Description PROPOSED PUMP STATION FOR 14 RESIDENTIAL DWELLINGS AND FORCE MAIN TO TIE INTO GRAVITY SYSTEM IN MONROW AVE EXT.			
OWNER/DEVELOPER			
Company Name JTJ DE INVESTMENTS LLC			
Mailing Address 22261 WATERVIEW ROAD			
City LEWES		State DE	Zip 19958
Contact Name JON HORNER			
E-Mail Address JON.HORNER@SCHELLBROTHERS.COM			
Telephone 443-614-9447		Cell 	
		Fax 	

ENGINEER					
Company Name PENNONI ASSOCIATES, INC.					
Mailing Address 18072 DAVIDSON DRIVE					
City MILTON			State DE		Zip 19968
Contact Name ALAN DECKTOR, PE					
E-Mail Address ADECKTOR@PENNONI.COM					
Telephone 302-684-6241		Cell		Fax	
GRAVITY SEWER INFORMATION					
Ownership <input checked="" type="checkbox"/> Public <input type="checkbox"/> Private		Type of Sewer System <input checked="" type="checkbox"/> Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Other?		If Other, list below	
Type of Pipe SDR 35 PVC	Length (ft) 743.29+/-	Diameter (in) 8	Joint Specification ANSI / AWWA C1111 / A21.11	Min. Slope (ft/ft) 0.28%	Min. Velocity (ft/sec) 2.0
Minimum Pipe Cover (ft) 5.0'+/-	Number of Manholes 9	Drop manholes provided? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Maximum Distance Between Manholes (ft) 357'+/-	
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:		
Explain any special challenges (for example, stream, highway and/or railroad crossings, directional drilling, elevated sewers, etc.)					
Comments					

PUMP/LIFT STATION INFORMATION				
Ownership <input checked="" type="checkbox"/> Public <input type="checkbox"/> Private		Type of Wastewater <input checked="" 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 13.9 GPM		Average 3500 GPD	Peak 14000 GPD	Peak Factor 4.0
Basis of Design ACCUMULATED EDU'S			Pump Type PROGRESSIVE CAVITY	
Will peak flows be accommodated if largest unit fails? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Pump calc's and pump curves attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Cycle Time (minutes) 15.64 MIN
		Wet Well Detention Time (minutes) 12.91 MIN		
Check valves provided on discharge line? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			Gate valves provided on discharge line? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
If not, explain alternate procedure:				
Ventilation provided in wet well? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Dry Well? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No *1		Is an alarm system included? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Alternate source of power? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
What other provisions for emergency operations?				
Height of Influent Above Pump (suction head) (ft) 8.25 FT		Height of Effluent Above Pump (discharge head) (ft) 21.4 FT		Friction Loss (ft) 13.15 FT
Pump Design Point 9.72 GPM	Pump Operating Point 13.9 GPM	Static Head (ft) 8.25 FT	Total Head (ft) 21.4 FT	Required Motor Horsepower (hp) 1.0 HP
FORCE MAIN INFORMATION				
Type of Pipe HDPE SDR		Length (ft) 738 FT		Diameter (in) 1.5 INCH
Hazen-Williams "C" Design Factor 150	Type of Joints FUSED		Velocity Under Design Conditions (ft/sec) 2.46 FPS	Minimum Pipe Cover (ft) 4 FT.
Air relief valves specified? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Clean-outs provided? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No *2		Maximum distance between clean-outs (ft)	
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 *1 ABOVE WETWELL *2 FLUSHING CONNECTION				

RECEIPT		April 14th, 2025				64
	RCVD FROM	JTJ DE Investments LLC				\$825.00
		Eight Hundred twenty-five dollars and 00/100				DOLLARS
	FOR	Plan review fee WPCC 3033/25 Whites Pond Preserve				
	ACCT	\$	825.00	x	CHECK #	10038
	PAYMENT	\$	825.00		CASH	
		\$	-		OTHER	BY Kevin Bronson
	DNREC, Commercial & Government Services Section, 89 Kings Hwy, Dover, DE 19901					

RECEIPT		April 14th, 2025				65
	RCVD FROM	JTJ DE Investments LLC				\$300.00
		Three Hundred Dollars and 00/100				DOLLARS
	FOR	WPCC Public Notice Reimbursement 3033/25				
	ACCT	\$	300.00	x	CHECK #	10039
	PAYMENT	\$	300.00		CASH	
		\$	-		OTHER	BY Kevin Bronson
	DNREC, Commercial & Government Services Section, 89 Kings Hwy, Dover, DE 19901					