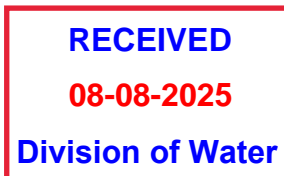


# 3065/25



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, if applicable, signed and sealed by a Delaware-registered Professional Engineer, or a Delaware-registered Professional Land Surveyor for gravity systems only. One (1) electronic copy of final Plans.
- ☒ 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.alpha.delaware.gov/water/surface-water/>

**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  Leander Lakes III 2221 Forrest Ave Dover, DE 19904			
Tax Parcel Number(s) 2-05-07500-01-0601-000			
County <input checked="" type="checkbox"/> Kent <input type="checkbox"/> New Castle <input type="checkbox"/> Sussex		Watershed ( <a href="http://www.dnrec.delaware.gov/swc/wa/Pages/WatershedAssessment.aspx">www.dnrec.delaware.gov/swc/wa/Pages/WatershedAssessment.aspx</a> ) <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 Dover		Wastewater Treatment/Disposal Facility Name  Kent County Wastewater Facilities	
Anticipated Construction Start Date  Fall'25		Treatment/Disposal Facility Owner and Operating Permit Number  Kent County Public Works Operating Permit #: 2024-2371-OTHE	
Please note, construction permits expire three (3) years from the date of permit issuance.			
Are you requesting <u>plan review and comment</u> or WPCC Construction Permit issuance? (circle one)			
Design Flow (gallons/day) Average 50,000		Peak 200,000	Peak Factor 4.0
Basis of Design  250 gal/EDU/day			
Description 200 unit apartment complex.			
OWNER/DEVELOPER			
Company Name Leander Lakes III, LLC			
Mailing Address 218 East Main Street			
City Salisbury		State MD	Zip 21801
Contact Name Blair Rinnier, CCIM, CPM			
E-Mail Address brinnier@rinnier.com			
Telephone 410.742.8151		Cell	Fax

ENGINEER					
Company Name Solutions IPEM					
Mailing Address 303 North Bedford Street					
City Georgetown			State DE		Zip 19947
Contact Name Jim Eriksen, PE					
E-Mail Address jeriksen@solutionsipem.com					
Telephone 302.297.9215		Cell		Fax	
GRAVITY SEWER INFORMATION					
Ownership <input type="checkbox"/> Public <input type="checkbox"/> Private		Type of Sewer System <input type="checkbox"/> Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Other?		If Other, list below	
Type of Pipe	Length (ft)	Diameter (in)	Joint Specification	Min. Slope (ft/ft)	Min. Velocity (ft/sec)
Minimum Pipe Cover (ft)	Number of Manholes	Drop manholes provided? <input type="checkbox"/> Yes <input type="checkbox"/> No		Maximum Distance Between Manholes (ft)	
Minimum ten foot (10') horizontal & eighteen inch (18") vertical separation from water lines maintained? <input 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 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 <b>SDR-11 HDPE</b>		Length (ft) <b>1884.18 , 780.68</b>	Diameter (in) <b>2 , 1.5</b>	
Hazen-Williams "C" Design Factor <b>150</b>	Type of Joints <b>ASTM D3139</b>	Velocity Under Design Conditions (ft/sec) <b>4</b>	Minimum Pipe Cover (ft) <b>4</b>	
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	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				

RECEIPT		August 8th, 2025				124
	RCVD FROM	Leander Lakes Holdings, LLC				\$825.00
		Eight Hundred twenty-five dollars and 00/100				DOLLARS
	FOR	Plan review fee WPCC 3065/25 Leander Lakes III				
	ACCT	\$	825.00	x	CHECK #	957
	PAYMENT	\$	825.00		CASH	
		\$	-		OTHER	BY Kevin Bronson
	DNREC, Commercial & Government Services Section, 89 Kings Hwy, Dover, DE 19901					

RECEIPT		August 8th, 2025				125
	RCVD FROM	Leander Lakes Holdings, LLC				\$300.00
		Three Hundred Dollars and 00/100				DOLLARS
	FOR	WPCC Public Notice Reimbursement 3065/25				
	ACCT	\$	300.00	x	CHECK #	961
	PAYMENT	\$	300.00		CASH	
		\$	-		OTHER	BY Kevin Bronson
	DNREC, Commercial & Government Services Section, 89 Kings Hwy, Dover, DE 19901					