



Department of Natural Resources
and Environmental Control

89 Kings Hwy
Dover, DE 19901

dnrec.delaware.gov

Division of Water
Commercial and Government Services Section

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 THE SUBDIVISION OF HUNTER'S CREEK AT OMAR ROAD OMAR ROAD (SCR 54)			
Tax Parcel Number(s) 134-11.00-102.00 & 134-11.00-103.00			
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 type="checkbox"/> DE Bay/Estuary <input checked="" type="checkbox"/> Inland Bays/Atl Ocean <input type="checkbox"/> Piedmont	
Sewer District or Interceptor SUSSEX COUNTY SEWER		Wastewater Treatment/Disposal Facility Name SOUTH COASTAL REGIONAL WASTEWATER FACILITY	
Anticipated Construction Start Date JANUARY 5, 2026		Treatment/Disposal Facility Owner and Operating Permit Number SUSSEX COUNTY COUNCIL DE0050008	
Please note, construction permits expire three (3) years from the date of permit issuance.			
Are you requesting plan review and comment or WPCC Construction Permit issuance? (circle one)			
Design Flow (gallons/day) Average 26000	Peak 63960	Peak Factor 2.46	Basis of Design 104 EDUs
Description DEVELOPMENT OF A 93 LOT SINGLE-FAMILY HOME RESIDENTIAL SUBDIVISION.			
OWNER/DEVELOPER			
Company Name SALT AIR PROPERTIES, LLC			
Mailing Address 2500 WRANGLE HILL ROAD, STE. 101			
City BEAR		State DE	Zip 19701
Contact Name BOB SIPPLE			
E-Mail Address BOB@RLSDEVELOPMENT.COM			
Telephone (302)838-8830	Cell		Fax

ENGINEER					
Company Name PLITKO, L.L.C.					
Mailing Address 53 ATLANTIC AVE., STE. 3					
City OCEAN VIEW			State DE		Zip 19970
Contact Name ROB PLITKO, PE					
E-Mail Address RPLITKO@PLITKO.COM					
Telephone (302) 222-2075		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-26	Length (ft) 86.06	Diameter (in) 8 IN	Joint Specification GASKET	Min. Slope (ft/ft) 0.28	Min. Velocity (ft/sec) 2 FPS
SDR-35	4203.35	8 IN	GASKET	0.28	2 FPS
SDR-35	193.63	6 IN	GASKET	1.5	2 FPS
SDR-35	766.05	10 IN	GASKET	0.22	2 FPS
Minimum Pipe Cover (ft) 4 FT	Number of Manholes 24	Drop manholes provided? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Maximum Distance Between Manholes (ft) 440.50	
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 26000		Average 26000	Peak 63960	Peak Factor 2.46
Basis of Design RESIDENTIAL SUBDIVISION			Pump Type CENTRIFUGAL GRINDER	
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) N/A
		Wet Well Detention Time (minutes) 9 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No		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? 2" EMERGENCY PUMPING CONNECTION				
Height of Influent Above Pump (suction head) (ft) 5.90 FT		Height of Effluent Above Pump (discharge head) (ft) 8.00 FT		Friction Loss (ft) 55.37 FT
Pump Design Point 44.4 GPM@ 73.0 FT	Pump Operating Point 43.5 GPM@ 70.8 FT	Static Head (ft) 17.66 FT	Total Head (ft) 73.03 FT	Required Motor Horsepower (hp) (2) - 3 HP PUMPS
FORCE MAIN INFORMATION				
Type of Pipe HDPE DR-11		Length (ft) 1769.5 FT		Diameter (in) 2 IN
Hazen-Williams "C" Design Factor 140	Type of Joints DIRECTION DRILL FUSED		Velocity Under Design Conditions (ft/sec) 4.54 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		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 FLUSHING CONNECTIONS HAVE BEEN PROVIDED.				