



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

NORTHERN REGIONAL OFFICE

Matthew J. Strickler
Secretary of Natural Resources

13901 Crown Court, Woodbridge, Virginia 22193
(703) 583-3800
www.deq.virginia.gov

David K. Paylor
Director

Thomas A. Faha
Regional Director

April 30, 2020

Via E-mail (karen.pallansch@alexrenew.com)

City of Alexandria
RiverRenew Tunnel System Project
VA0025160 PTL#27306

Ms. Karen Pallansch
Chief Executive Officer
Alexandria Renew Enterprises
1800 Limerick St
Alexandria, VA 22314

Dear Ms. Pallansch:

In accordance with the Code of Virginia, Title 62.1, Section 62.1-44.19, attached please find the Certificate to Construct (CTC) for this project. This CTC is being issued based on the Application for Certificate to Construct dated April 22, 2020, and received by this office on April 24, 2020.

Receipt of this CTC does not relieve any owner of the responsibility to comply with any other applicable statutes or regulations, including local ordinances and zoning requirements.

Please be advised that a Certificate to Operate (CTO) is required by the Code before placing the system in operation. Application for the CTO can be found at the DEQ website:

<http://www.deq.virginia.gov/Programs/Water/WastewaterEngineering/RegulationsCertificates.aspx>

If you have any questions about this letter or the approval process, please contact Alison Thompson at (703)-583-3834 or alison.thompson@deq.virginia.gov.

Respectfully,


A handwritten signature in dark ink, appearing to read "Bryant Thomas".

(for) Bryant Thomas
Water Permit & Planning Manager

cc: VA0025160 File
VDH District Office, attn: Environmental Health Manager
City of Alexandria Building Official
Justin Carl (justin.carl@alexrenew.com)

Virginia Department of Environmental Quality
APPLICATION for CERTIFICATE TO CONSTRUCT (CTC)
For Municipal Sewage Collection, Treatment, and/or Reclamation Systems

See Instructions. Do not submit plans and specifications. Submit 1 copy of this form with all attachments. Form will expand as you enter information.

Project Title: (as it appears on plans) RiverRenew Tunnel System Project	
P.E. Seal Date on Cover: N/A – Preliminary Engineering Report was not sealed	
Specifications Title and Date: Preliminary Engineering Report (PER), dated March 1, 2019 and approved by DEQ on June 11, 2019; PER Amendment, dated December 19, 2019 and approved by DEQ on January 23, 2020.	
Location of Project: Multiple locations in Alexandria, VA (See attached map included in Project Description)	County/City: Alexandria
Receiving Wastewater Collection System(s): N/A	
Receiving Sewage Treatment Plant(s)/Reclamation System: Alexandria Renew Enterprises Water Resource Recovery Facility	
PROJECT OWNER: Alexandria Renew Enterprises	PROJECT ENGINEER
Owner Contact Name: Karen Pallansch	Name: Justin Carl
Title: Chief Executive Officer	Company Name: Brown and Caldwell
Address: 1800 Limerick Street, Alexandria, VA 22314	Address: 1725 Duke Street, Alexandria VA 22314
Phone: 703-549-3382 x 2202	Phone: 703-546-3381 x 2050
Email: karen.pallansch@alexrenew.com	Email: justin.carl@alexrenew.com
Owner Signature and date:  4/22/2020	

For Sewage Treatment Works and Sewage Collection Systems:

Attach Project Description

Attach Letter(s) of Acceptance from Receiving Facility/Utility for sewage collection system projects

Attach Reliability Class: (1) For Pump Stations attach Reliability Class Worksheet. (2) For Sewage Treatment Plants note the Reliability Class rating from the VPDES or VPA permit and method of meeting reliability classification requirements.

For a sewage treatment plant project, provide the VPDES or VPA permit number: VA0025160

Design Sewage Flow (Sewage Plant): (a) average daily flow (MGD): 54 (b) peak daily flow (MGD): 108

Design Sewage Flow (Pump Station 1 - TDPS): (a) average daily flow (MGD): N/A (b) peak hour flow (MGD): 20

Design Sewage Flow (Pump Station 2 - WWPS): (a) average daily flow (MGD): N/A (b) peak hour flow (MGD): 130

Please check the appropriate components of your project:

Gravity and/or Vacuum Sewer	<input checked="" type="checkbox"/>	New Sewage Treatment Plant.....	<input type="checkbox"/>
Pump Station(s)	<input checked="" type="checkbox"/>	Modification of Existing Sewage Treatment Plant	<input checked="" type="checkbox"/>
Force Main(s)	<input checked="" type="checkbox"/>	Expansion of Existing Sewage Treatment Plant	<input type="checkbox"/>

For Reclamation or Satellite Reclamation System, Attach Page 2: Page 2 Attached? Yes ☒ No ☐

The following statement must be signed and sealed by the Virginia licensed design engineer:

"As discussed in 9 VAC 25-790-240.C., the referenced design documents are in substantial compliance with Part III - Manual of Practice For Sewerage Systems and Treatment Works, of the Sewage Collection and Treatment Regulations (9 VAC 25-790-310 et seq.)"



 4/22/2020

Licensed Design Engineer's Signature and original seal (signed and dated)

☐ Design exceptions and justifications are attached in accordance with 9 VAC 25-790-240.C.

For DEQ use only:

In accordance with the Code of Virginia 1950, as amended, Title 62.1, Section 62.1-44.19, this form, signed by the appropriate DEQ representative, constitutes your Certificate to Construct. This Certificate is valid for a period of five years from the date of issuance. Other permits and authorizations may be necessary. Please contact your Regional DEQ Office if you have any questions.

<div style="border: 1px solid black; padding: 2px;">Alison Thompson</div>		<div style="border: 1px solid black; padding: 2px;">4/30/2020</div>	<div style="border: 1px solid black; padding: 2px;">27306</div>
Name	Signature	Date	CTC PTL Number

Department of Environmental Quality Authorized Representative

Note: Once the project is complete, an application for a Certificate to Operate must be submitted to the appropriate DEQ Regional office.

ATTACH THIS PAGE IF THE PROJECT INCLUDES A RECLAMATION SYSTEM AT A TREATMENT FACILITY OR A SATELLITE RECLAMATION SYSTEM

Please check the appropriate answers for your project:

Level 1 Reclaimed Water Produced..... ☒ Level 2 Reclaimed Water Produced..... ☐

Water Reclamation System..... New ☐..... Expansion ☐..... Modification ☒
Satellite Water Reclamation System..... New ☐..... Expansion ☐..... Modification ☐

Design Flow of Reclamation System: (a) average daily flow (MGD): 2 (b) peak hour flow (MGD): _____

Attach Project Description

Attach Letter(s) of Acceptance from Receiving Facility/Utility for satellite reclamation projects

Reliability Class of reclamation system (from VPDES or VPA permit or administrative authorization): 1

Attach description of measures in place to meet reliability classification requirements

Facility VPDES/VPA Permit modified to include reclamation and reuse? Yes ☒ No ☐ If no, obtain permit modification or administrative authorization before proceeding.

.....
The following statement must be signed and sealed by the Virginia licensed design engineer:

"The referenced design documents adhere to the minimum design standards found in the Water Reclamation and Reuse Regulation (9 VAC 25-740) for the given treatment level of reclaimed water".



Justin R. Carl

4/22/2020

Licensed Design Engineer's Signature and original seal (signed and dated)

Note: If subject project is a municipal water reclamation and reuse project, BOTH certification statements must be signed by the engineer and submitted to the appropriate DEQ Regional Office.

SUBMIT 1 ORIGINAL OF THE APPLICATION WITH ORIGINAL SIGNATURES AND ALL ATTACHMENTS