

LUC VAN HUL
B. Sc. Eng., P. Eng.



Area of Expertise:
Municipal/Civil
Infrastructure



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MEMBERSHIPS

- President, Association of Professional Engineers of Prince Edward Island (APEPEI) 2007-2008
- Association of Professional Engineers of Prince Edward Island (APEPEI)
- Councillor, Association of Professional Engineers of PEI
- American Water Works Association (AWWA)
- Atlantic Canada Water Works Association Small Systems Committee
- Rotary International - Summerside Club
- P.E.I. Construction Industry Joint Panel

EDUCATION

- 1988-1990 University of New Brunswick - Fredericton, New Brunswick, B.Sc. in Civil Engineering
- 1983-1987 University of Prince Edward Island - Charlottetown, P.E.I. Diploma in Engineering

PROFESSIONAL EXPERIENCE

Dec 90-Present **DELCOM ENGINEERING LTD.**

Municipal:

- Design Engineer for the Charlottetown Water and Sewer Extensions and Replacement - 2007. The project involved design and construction inspection for 700 m of watermain extension, 430 m of watermain replacement, and 420 m of sewermain extension. The project also included the design of a temporary water line to be utilized during construction by local residents.
- Design Team Leader for a new Water Standpipe for the City of Summerside. This 4.5 million litre tank was constructed using welded steel and is protected with field applied epoxy coatings. Work included all internal and exterior piping, foundation, grounding, cathodic protection, control building and access road.
- Design Team Leader for the Well Field Upgrades within the Town of Kensington. The project involved the design of a three 6.5 L/s municipal wells, complete with all necessary controls, electrical supply. The work also included renovations to the existing control building interior piping and storage to create a central chlorine disinfection center and a 9500 litre chlorine contact chamber.
- Design Team Leader for a new Water Standpipe for the Community of Borden-Carleton, Prince Edward Island. This 2.4 million litre tank was constructed using factory-coated bolted steel. The project included all internal and exterior piping, epoxy coating, glass coating, steel floor, cathodic protection, lettering and foundations.

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Continued

- Predesign, Detailed Design and Construction Inspection for a new Sewage Treatment Plant at Miscouche, PEI. The project involved construction of a 1.0 hectare lagoon to operate in conjunction with an existing lagoon. Work included the installation of a UV disinfection unit and a duplex sewage lift station. The new system is capable of servicing 800 people.
- Detailed Design and Construction inspection for a new sewer main at Wellington, PEI.
- Design Team Leader for the Borden-Carleton Water Supply System Upgrade which included construction of a new pump control building, chlorination disinfection system, booster pump, fire protection system and three new wells.
- Design Engineer for the Summerside Lagoon upgrades. Project included changing the original sewage treatment facility from a stabilization lagoon system to an aerated lagoon system including static aerators, blowers, ultraviolet disinfection, yard piping and a process control building. The design capacity of the new system is 3,500 people.
- Design Engineer for a new sewage treatment facility for the Community of Kinkora, PEI. The new facility services a population of 500 people and includes a 1.2 ha stabilization lagoon and ultraviolet disinfection.
- Design Engineer for a new Sewage Treatment Plant at Mill River, Prince Edward Island. Due to environmental concerns of a nearby river, the effluent was treated, stored in holding cells and discharged over land. The system includes an aerated treatment cell, three retention cells, an irrigation discharge cell, control building and SCADA controls.
- Design Engineer for a complete sewer system for the Lennox Island First Nation. Work included seven kilometres of sewer mains, a Sewage Treatment Plant, UV system, wetlands and outfall design. Multiple lift stations were included along with relevant forcemains.
- Design Engineer for the Kensington Sewage Treatment Plant Upgrade including the design of ultraviolet disinfection equipment and a new self-priming lift station.
- Design Engineer for major upgrades to the City of Summerside sewage lift stations located at Northumberland Street and Eustane Street.
- Design Engineer for the Summerside Sewage Treatment Plant Headwork Building modifications.

- Design Engineer for a new Water Supply System for a new Food Processing Park at Souris, PEI. The water quality in Souris was ranked #2 in Canada in 2001.
- Design and Inspection for the former Summerside Area Water Commission Project. Work included hydrogeological investigations and engineering services for the exploration design and implementation of a major expansion of the water supply, transmission and distribution system of the Summerside Area. The well field consisted of five deep pumping systems and a total of over 22 kilometres of watermains.
- Design and Inspection for a new Municipal Sewer System for the Community of Sherbrooke. Work included four phases made up of a lift station, 2.3 kilometres of sewer main and 2.2 kilometres of forcemain.
- Design and Inspection for the Town of Cornwall Phase III Water System expansion. Work included the installation of 4.6 kilometres of new watermain and related items.
- Design and Inspection for a sewerage collection system, pumping station and forcemain to provide a sanitary sewer service for approximately 70 residences in the Elliot Park Subdivision, Elliot River, PEI.
- Design and Inspection for an upgrade to the Cornwall Sewage Treatment Plant.
- Detailed Design and Construction Inspection for watermain replacement at various locations within the City of Summerside:
 - Brockville Street
 - Noonan Street
 - Pope Road
 - South Drive
 - Water Street
 - Sunset Drive
- Detailed Design and Construction Inspection for watermain placement at various locations within the Town of Kensington:
 - Victoria Street West
 - Garden Drive
 - Broadway Street
 - Industrial Park
 - Sunset Drive & Area
- Detailed Design and Construction Inspection for water and sewer systems for numerous subdivisions:
 - Sea Meadows Estates
 - LeFurgey Subdivision
 - Princeton Subdivision
 - Miscouche Subdivision

- Summerside Land Assembly
- Stafford Estates
- Gavin Estates
- Mountain Road Estates
- Walker Avenue Extension

Civil:

- Design Engineer for Western Road. Included the detailed design and Construction Management of over 5 kilometres of arterial highway located in Prince Edward Island. Diversions, sight line requirements, property acquisition and utility relocation detail were included in the design.
- Design and Construction Inspection for over two kilometres along MacEwen Road, Summerside, PEI. Work included total street reconstruction, storm drainage system, curbs and sidewalk.
- Design Team Leader for the Kensington Railway Station Redevelopment Project. Work included water, sewer, storm drainage, curbing and parking lot construction.
- Initial Site Development for the Summerside National Tax Centre. Work included preliminary storm drainage review, storm catchment lagoon design and building pad preparation.
- Bridge Approach Roadway design for Mt. Stewart Bridge and Grand River Bridge.
- Design Engineer for Bluebell Storm Drainage System. Included a multitude of mid-sized to large diameter storm mains required to provide surface drainage for a large watershed area.
- Design Engineer for Construction Haul Road, Building Pad Area and Parking for new East Prince Health Facility, Summerside, PEI.

Studies:

- Water System Computer Modelling for City of Summerside, Town of Kensington, Lennox Island First Nation, and Community of Borden-Carleton.
- City of Summerside Storm Drainage.
- City of Summerside Infrastructure Development Study.
- Slemon Park Corporation Infrastructure Study.
- Wellington Lift Station Review.
- Sewage Treatment Plant Facility Assessment for Town of Kensington, City of Summerside, and Community of Miscouche.
- City of Summerside Water System Master Plan.