

PROJECT FACT SHEET: BELLEDUNE TANK FARM AND RAILWAY SYSTEM



PROJECT OVERVIEW

Located south of the Port of Belledune within the existing Belledune Industrial Park, the proposed project will consist of the buildings and infrastructure required to receive petroleum products by rail, to store these products on site and to load them onto marine vessels for shipment to international markets. If approved, CTI plans to invest several million dollars into the facility over the next year.

PROJECT DETAILS

PETROLEUM PRODUCT ORIGINS

The project's facilities are designed to receive heavy petroleum products from Western Canada; however it will also be able to manage other petroleum products as well. These products are, in most cases, en route to markets in Europe and Asia.

RAIL YARD – LOOPED TRACK

The facility's rail system will consist of just under 18km of tracks with an inner loop, middle loop and outer loop plus several unloading tracks. The project will be constructed for a maximum capacity of two unit trains (approximately 240 rail cars) per day. The railcars being used have the highest standard in their class for shipping petroleum products. Once railcars are positioned onto unloading tracks, unloading hoses connected to the bottom of the railcars heat the car with steam—allowing the petroleum product to flow and be offloaded for storage.

TANK FARM – TEMPORARY STORAGE

Once the petroleum product is unloaded from railcars, it is temporarily stored in tanks until the product can be transferred to a marine vessel. Initially the tank farm will consist of eight 150,000 barrel* steel tanks, or 1.2 million barrels (MMB). A second planned phase of the project will see 12 additional storage tanks added in 2015/2016 with the potential for an additional 1.8 MMB and total overall storage capacity at the facility of 3.0 MMB.

PIPELINE – FROM STORAGE TANKS TO THE PORT

When a marine vessel is ready to be loaded, the petroleum products are pumped to the marine vessel via a pipeline. The initial project design has a 36" pipeline to extend a distance of 3.4 km from the CTI facility to the Port of Belledune. Marine vessels at the port will vary in size, however, storage capacity of each vessel will typically vary between a capacity of 250,000 to 600,000 barrels.

**One barrel of crude oil/petroleum product is equal to 45 US gallons, 35 UK (imperial) gallons, or about 159 litres.*

CHALEUR TERMINALS INC.

As owner and operator of the proposed petroleum storage and transfer facilities at the Port of Belledune, Chaleur Terminals Inc. (CTI) is committed to operational safety, to environmental protection and stewardship, to open and responsive community engagement and to local and regional economic growth and benefits.

CONTACT US

We invite you to contact us with any questions you have regarding this proposed project:

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CHALEUR
terminals inc.



SIGNIFICANT REGIONAL ECONOMIC BENEFITS. ACTIVE INVOLVEMENT IN OUR COMMUNITIES.

OPERATIONAL SAFETY

CTI is committed to building and operating in a safe and reliable manner, ensuring construction, operations, maintenance and monitoring are managed by highly skilled and trained personnel.

RAIL SAFETY: The railway portion of this project is regulated by Transport Canada with CN Rail stipulating additional infrastructure and/or specifications over and above Transport Canada's current regulations. As railway operators, CN Rail has comprehensive policies and initiatives to prevent incidents including:

- Policies, rules, protocols and procedures;
- Training, coaching, and communication initiatives;
- Inspection, monitoring, supervision and auditing; and
- Trend analysis, leading indicator identification and risk assessment/mitigation practices.

WORKPLACE SAFETY: The safety of our employees, contractors and the public are our top priorities during planning, construction and throughout the life of this project. Our workplace safety plan ensures that all workers properly are trained and insured as per the requirements of WorkSafe NB and the Occupational Health and Safety Act (OHSA). Some additional workplace safety provisions to be in place include:

- All appropriate employee certification shall be maintained and in good standing;
- Security fences and gates to be installed and public access to the site shall be restricted at all times;
- Ensuring that equipment is maintained and in good working order;
- Ensuring that all required health and safety equipment is on site, including a First Aid Station;
- Incident reporting to WorkSafe NB and protocols developed to avoid future incidents.

Our emergency response plans will be developed in accordance with regulatory requirements and in collaboration with local emergency responders in order to ensure a coordinated and immediate response.

PORT SAFETY: By developing effective management systems based on sound principles and measures, the Port of Belledune has been able to successfully avoid and prevent harm on the environment. It also adheres to international security rules and guidelines (known as ISPS – International Ship & Port Security Code) that assist the Port of Belledune in maintaining a safe, secure gateway through which to operate.

Additionally, the Port:

- Uses an International Standards Organization (ISO) modeled Environmental Management System.
- Has coordinated with project designers for the safe and efficient movement of people, ships, and cargo and the safe and efficient use of infrastructure.
- Carries out regular emergency response and preparedness exercises and drills.
- Has established a network of security, civil and enforcement agencies which cooperate and coordinate in emergency situations.

PROTECTING THE ENVIRONMENT

We take a proactive approach to environmental stewardship, adhering to regulatory requirements and industry best practices to identify, manage and mitigate the environmental impacts of our operations. This project's plans incorporate environmental considerations at every stage of development and will:

- Avoid environmental impacts wherever possible;
- Limit the degree or magnitude of adverse environmental impacts;
- Rectify impacts by repairing, rehabilitating or restoring the affected environment; and
- Enhance positive impacts.

An environmental component of this project's Emergency Management Plan includes standard spill prevention protocols to ensure safe transporting, loading, unloading and blending of petroleum products.

Chaleur Terminals Inc. registered an Environmental Impact Assessment for this project on March 11, 2014 with the Sustainable Development, Planning and Impact Evaluation branch of the provincial Department of Environment and Local Government (DELG). The EIA can be viewed on line at: <http://www.gnb.ca/0009/0377/002/index-e.asp>.

ENGAGEMENT

We are committed to open and responsive consultation and engagement. Our project's success will only be achieved when we engage collaboratively with governments, Aboriginal communities, stakeholders and the public.

PROVIDING REGIONAL COMMUNITY BENEFITS

In an effort to build and maintain positive relationships, CTI is dedicated to understanding community interests and promoting local economic prosperity. Proposed construction of the tank farm, rail system and pipeline will create a positive impact on the local labour force and economy, both directly and indirectly. The project requires more than 200 skilled labourers for construction and 30 full-time jobs, including labourers, skilled workers, professionals and office administration. This is anticipated to have a direct positive net economic impact due to local spend, largely in the areas of contracts and services.