NORTH ATLANTIC REFINING LTD. Proposed 15000 BBL Gasoline Storage Tank

ENVIRONMENTAL ASSESSMENT REGISTRATION DOCUMENT

Prepared for:

Minister of Environment and Conservation P.O. Box 8700 St. John's, NL A1B 4J6

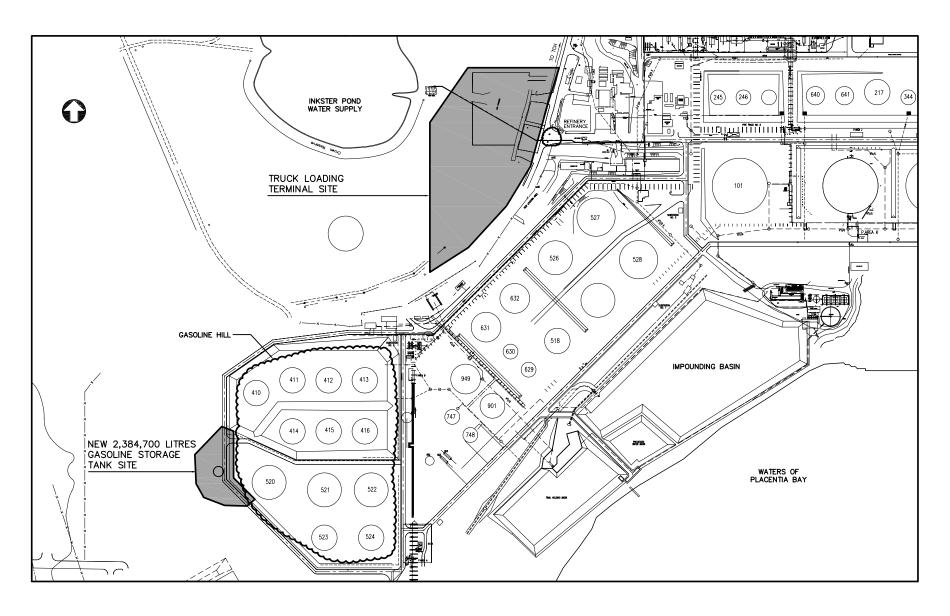
Prepared by:

SGE Acres Limited 45 Marine Clarenville, NL A5A 1M5

SGE Acres Project No.: 16815.00

December 20, 2005

NORTH ATLANTIC REFINERY LTD. TRUCK LOADING TERMINAL PROJECT LOCATION PLAN





Engineers, Planners & Project Managers

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Name of The Undertaking:

North Atlantic Refining Ltd. – Proposed Gasoline Storage Tank

Proponent

North Atlantic Refining Ltd.

P.O. Box 40

Come-By-Chance, NL

Telephone: (709) 463-8811 Fax: (709) 463-2043

NARL Project Manager: Mr. Carl Robbins, P. Eng.

Principal Contact Person for Environmental Registration:

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The Undertaking

1. North Atlantic Refining Ltd. (NARL) is in the process of constructing a new Truck Loading Terminal (TLT) at their refinery in Come-By-Chance, NL. Generally, the overall project will result in the construction of a new two-island, bottom loading system for gasoline and distillate products that are manufactured at the refinery. The TLT is located north of the Security Building, on the opposite side of the main access road; refer to the Location Plan in Appendix A. While the new gasoline storage tank is an integral part of the TLT project, it will be constructed separately, and located on the west end of the existing NARL tank farm. The new tank will be a 15,000 barrel (bbl) regular gasoline storage tank that will be constructed inside an earthen dyke, adjacent to the existing gasoline storage tanks on 'Gasoline Hill'. Associated with the new gasoline storage tank, NARL plans to install a new gasoline loading pump, and construct new suction and discharge piping that will connect the new tank to the TLT.

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Description of the Undertaking

1. Geographical Location and Access

The new gasoline storage tank will be located adjacent to existing gas storage tanks in that part of the tank farm which is commonly referred to as 'Gasoline Hill'; refer to the Location Plan and the Site Preparation Site Plan (Drawing No.: D-2051-2001 SHT 1) in Appendix A.

Access to the new tank will be via existing NARL service roads. Consequently new access road construction is not required as part of this project.

2. Physical Features

The new storage tank will be a single wall field erected tank constructed of steel, and will measure approximately 14.6 meters (48 feet) in diameter, and 15.24 meters (50 feet) high. A full contact-floating roof will be installed to minimize vapor loss. The tank will be located inside a new dyke that will be constructed in accordance with the "Storage and Handling of Gasoline & Associated Products Regulation CNR 775/96" (GAP). Plans, sections, and details of the new tank are provided in Appendix A. Refer to Drawing No.: D-2764-2006 SHT1, and D-2764-2006 SHT2.

The area affected by the construction of the new tank is within the 'Gasoline Hill' portion of the refinery. The area was previously unused, except for temporary storage of valves, pipes, and so on, as well as a lay down areas for minor capital works in this area of the refinery. New containment dyke construction is required as well as minor modifications to the existing dyke east of the new tank. To maintain access, the existing service road will be re-aligned such that it is routed around the north side of the new containment dyke.

3. Construction

Construction of the proposed gasoline storage tank is planned to start on April 1st 2006, with commissioning tentatively scheduled for September 10th 2006. The overall construction/project schedule for the TLT project requires that all associated infrastructure to be commissioned no later than October 31st, 2006.

Preliminary site work and site grading has been completed at the tank location. This work included sub-excavation of existing unsuitable fill material, as well as the supply and placement of new structural fill to facilitate tank erection. Once the tank is erected,

new earthen dykes will be constructed for secondary containment in accordance with the requirements of GAP.

The potential sources of pollutants during construction of this project are limited to the operation of heavy equipment. All heavy equipment will be inspected daily and maintained in good working. Emergency spill response equipment will be located on the site to respond, if necessary, to the accidental spill or leaking of deleterious substances such as hydraulic fluid. There will be no work adjacent to waterways, no works or undertakings that affect fish habitat, or otherwise sensitive habitat. All work will be subjected to strict Construction Management oversight on a daily basis, and any wastes generated during construction will be disposed of using approved procedures and protocols at the refinery.

There are no potential resource conflicts anticipated during construction.

4. Operation

Once commissioned, the new tank will operate on a full time basis.

The tank, and associated infrastructure, will be designed and constructed in accordance with GAP. Therefore, all potential sources of pollutants during operation, i.e. airborne emissions, liquid effluents, and solid wastes will be addressed during the design and approval stages with the appropriate regulatory authorities.

There are no potential resource conflicts anticipated during construction.

5. Occupations

The suggested registration format asks the proponent to "provide an enumeration and breakdown of occupations anticipated for this undertaking according to the National Occupational Classification 2001". Note that this new tank will be operated and maintained by existing NARL personnel. For construction, the workforce for this undertaking is anticipated to include the following:

- (1) 1 Construction Manager
- (2) 3 engineering site representatives (civil, mechanical, electrical/instrumentation)
- (3) 1 Construction Foreman
- (4) 12 Boilermakers

NORTH ATLANTIC REFINING LTD. – PROPOSED 15000 BBL GASOLINE STORAGE TANK ENVIRONMENTAL ASSESSMENT REGISTRATION

- (5) 3 Carpenters
- (6) 2 General laborers
- (7) 8 Heavy equipment operators

6. Project Related Documents

In 2004, North Atlantic Refining Ltd. commissioned a pre-design report for a new Truck Loading Terminal at the Come-By-Chance Refinery. This report was completed by CBCL Ltd. and was titled "Truck Loading Rack Project –Design Basis Report". The main body of the CBCL report has been included in Appendix B of this registration document, and is intended to provide an overview of the on-going TLT project, including the new 15000 BBL gasoline storage tank.

Approval of the Undertaking

The main permits, licenses, approvals, and other form of authorization required for the project are provided in Appendix C.

Schedule

The project schedule is provided in Appendix D.

Funding

This project is being financed with private capital. There is no Federal, Provincial, or Municipal funding required.

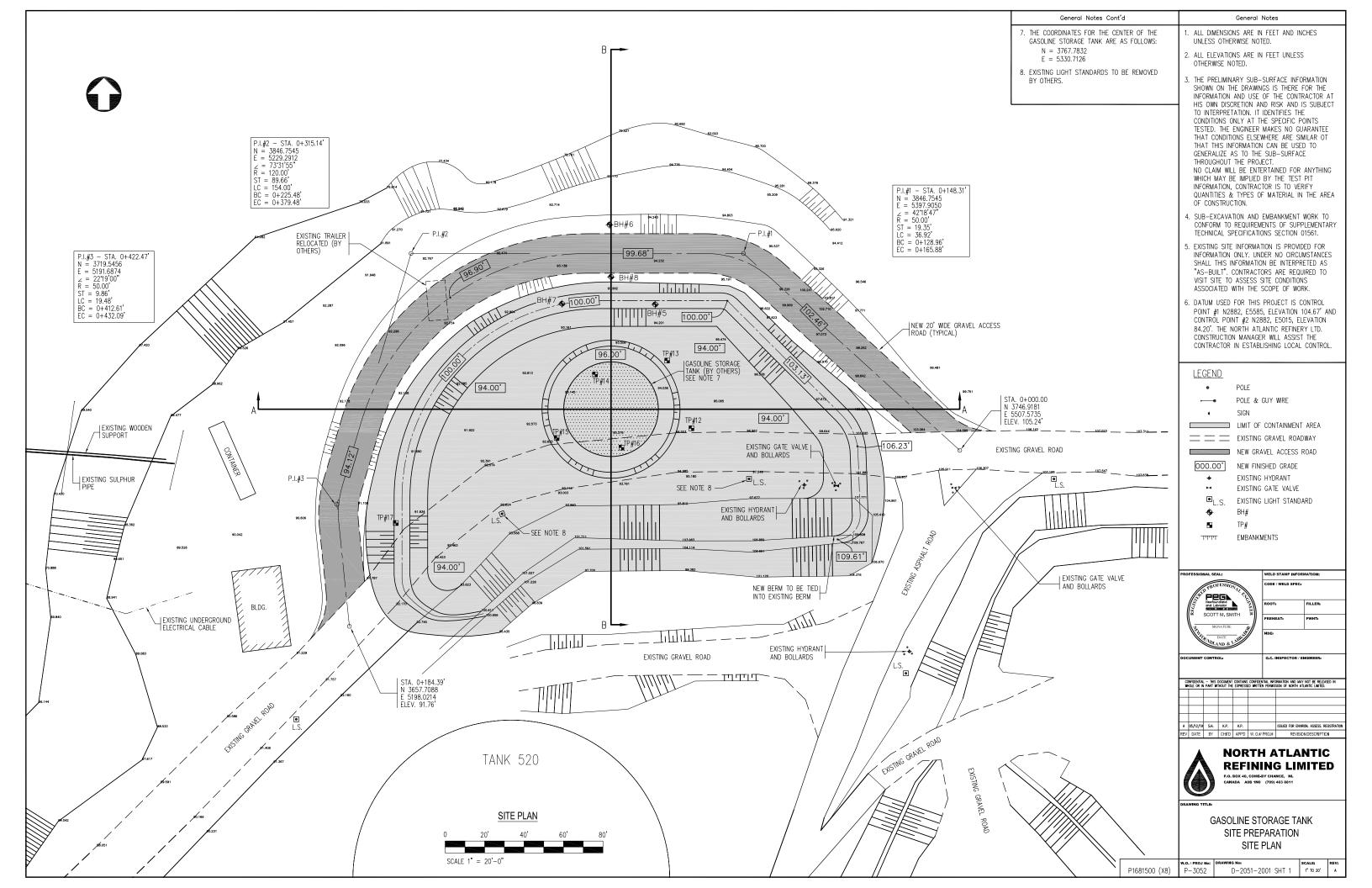
The suggested registration format states that "for the purpose of determining whether cost recovery is applicable in accordance with the Cost Recovery policy, the proponent should provide an estimate of the capital costs of the undertaking. Projects having capital costs in excess of \$15 million will be subject to applicable cost recovery fees." Note that the estimated capital cost of the new gasoline storage tank is less than \$1.0 million.

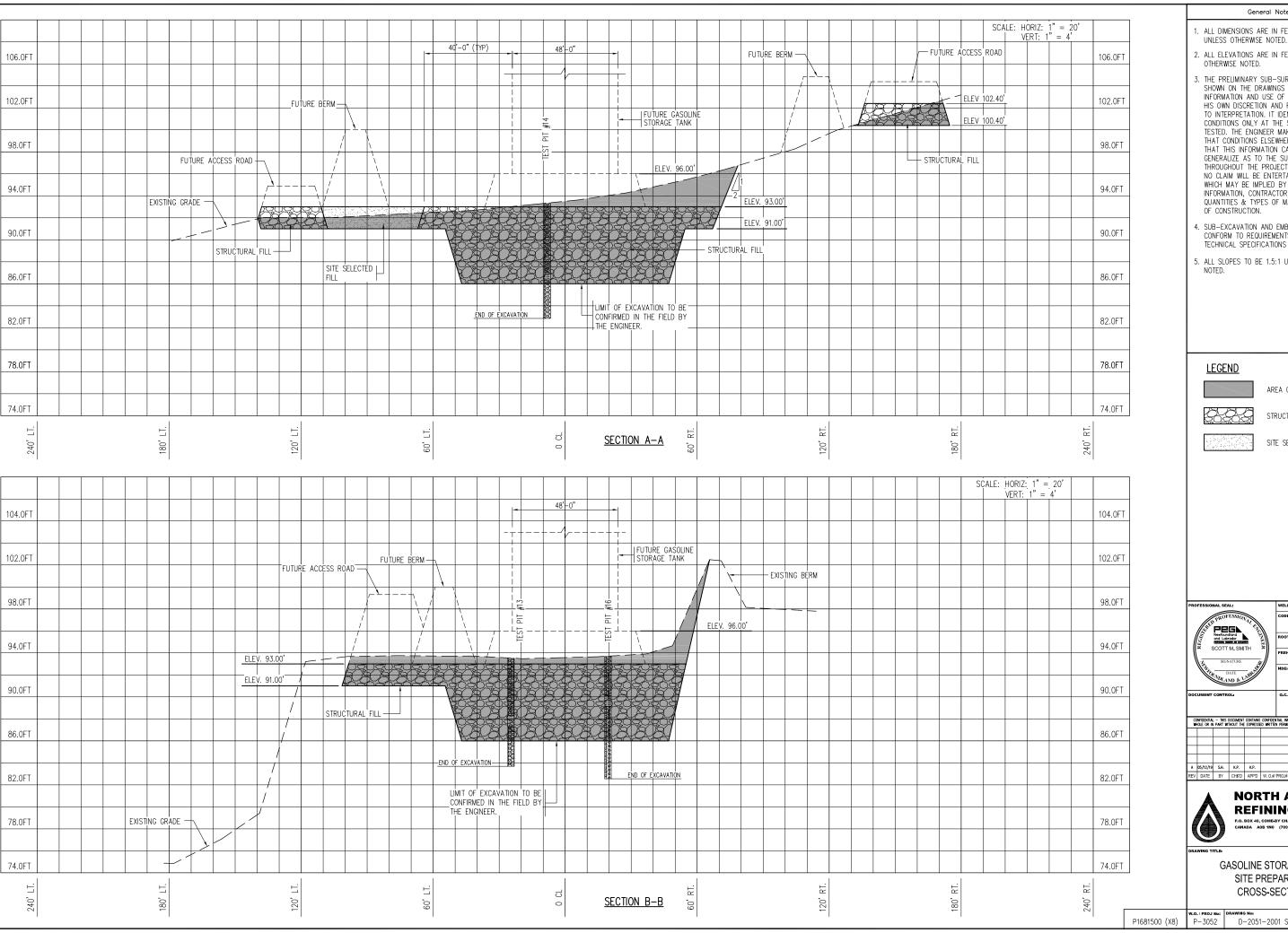
SGE ACRES PROJECT NO.: 16815.00

Approvals, Permits and Authorizations for NARL Truck Loading Terminal Project SGE Acres Project #: 16815.00 Status as of December 20/05

No.	Approvals/Permits & Other Requirements	Responsible Agency	Contact Names, Tel. Nos.	Application Date (to be submitted by)	Date Required By	Application Status	Date Obtained	Permit/ Approval No.	Expiry Date	Comments
1	Permit to Alter a Body of Water	Department of Environment & Conservation, Water Resources Division	Robert Picco 729-5713 Water Resource Division (DOEC)	September 21/05		Received	October 20/05	ALT2554	October 20/07	Permit only covers the entrance and exit to the site and perimeter ditching. Detailed storm sewer drawings to be submitted when completed. Appendix D completion report required at the end of construction.
2	Permit to Work in ROW of Road	Department of Transportation & Works	Boyd Pilgrim 542-3217 Department of Transportation & Works	October 5/05		Received	October 25/05		October 25/06	Permit only cover the entrance and exit to the site and permission to work within the road ROW. Detailed storm sewer drawings to be submitted when completed. See also the letter from Paul Goodman dated October 14, 2005.
3	Permit to work in Power Line ROW	Newfoundland Power	Chris Costello 1800 663- 2802 Newfoundland Power							Require work permit to work within the Power Line ROW for the installation of the undergrounds
4	Certificate of Approval	Department of Environment & Conservation, Pollution & Prevention Division	Mansour Ahmad Pollution & Prevention Division (DOEC)							
5		GAP	John Dutton	Dec. 23/05						
6	Environmental Assessment Registration	Department of Environment & Conservation, Environmental Assessment Division	Bas Cleary (Ed Kaufhold) 729-0090 Environmental Assessment Division,DOEC							Reference Letter Oct 28/05 with regard to Environmental Review requirements.
7		Town of Come-By-Chance	Stephanie Eddy			Received	Nov. 23/05			
2a	Permit to Work in ROW of Road	Department of Transportation & Works	Paul Goodman 466-4120 Department of Transportation & Works	Nov 2/05		Received	Nov. 21/05	N/A		Installation of underground storm sewer system within road ROW. See Paul Goodman's letter dated Nov. 21, 2005.
1a	Permit to Alter a Body of Water	Department of Environment & Conservation, Water Resources Division	Robert Picco 729-5713 Water Resource Division (DOEC)	Nov 3/05		Received	Nov. 21/05	ALT2554 (amended)		Installation of underground storm sewers. Original permit ALT2554 amended.

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General Notes

- ALL DIMENSIONS ARE IN FEET AND INCHES
- 2. ALL ELEVATIONS ARE IN FEET UNLESS
- 3. THE PRELIMINARY SUB-SURFACE INFORMATION SHOWN ON THE DRAWINGS IS THERE FOR THE INFORMATION AND USE OF THE CONTRACTOR AT HIS OWN DISCRETION AND RISK AND IS SUBJECT TO INTERPRETATION. IT IDENTIFIES THE CONDITIONS ONLY AT THE SPECIFIC POINTS TESTED. THE ENGINEER MAKES NO GUARANTEE THAT CONDITIONS ELSEWHERE ARE SIMILAR OT THAT THIS INFORMATION CAN BE USED TO GENERALIZE AS TO THE SUB-SURFACE THROUGHOUT THE PROJECT. NO CLAIM WILL BE ENTERTAINED FOR ANYTHING WHICH MAY BE IMPLIED BY THE TEST PIT INFORMATION, CONTRACTOR IS TO VERIFY QUANTITIES & TYPES OF MATERIAL IN THE AREA
- 4. SUB-EXCAVATION AND EMBANKMENT WORK TO CONFORM TO REQUIREMENTS OF SUPPLEMENTARY TECHNICAL SPECIFICATIONS SECTION 01561.
- 5. ALL SLOPES TO BE 1.5:1 UNLESS OTHERWISE

AREA OF EXCAVATION

STRUCTURAL FILL

SITE SELECTED FILL

CONFIDENTIAL — THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION AND MAY NOT BE RELEASED IN WHOLE OR IN PART WITHOUT THE EXPRESSED WRITTEN PERMISSION OF NORTH ATLANTIC UNITED.

NORTH ATLANTIC REFINING LIMITED

GASOLINE STORAGE TANK SITE PREPARATION CROSS-SECTIONS

P1681500 (X8) P-3052 D-2051-2001 SHT 2 AS NOTED

