



Modification Document – Proposed On-Site Fuel Storage

Northland Power Crosby L.P.

July 16, 2018

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1.0 Introduction

The Crosby Solar Project (“the Project”) was developed in 2012 by Northland Power Inc. on behalf of Northland Power Solar Crosby L.P. (“Northland”) under Renewable Energy Approval Number 2318-8Q6PXQ on January 20, 2012.

Since beginning commercial operation, a need for on-site fuel storage has been identified that was not contemplated during the development of the project. Heavy snow accumulation on the solar panels during the winter months has had significant negative impact on the facility’s production levels and as a result Northland will utilize mechanical snow removal technology at the Project site to mitigate further impacts to performance. In order to operate the proposed snow removal equipment a small volume of diesel fuel is required to be stored on-site so Northland plans to install a fuel tank prior to the winter of 2018-2019.

The tank is to be installed and operated so that it is in compliance with the MOECC’s Guidelines for Environmental Protection Measures at Chemical and Waste Storage Facilities as well applicable Technical Standards and Safety Association (TSSA) regulations. A site plan depicting the proposed installation of the tank can be found in appendix A.

This report summarizes the proposed changes to the project that necessitate an amendment of the REA. This includes the rationale for the change and will identify amendments to be made to the REA’s supporting documents if necessary.

2.0 Proposed Project Change

Appendix A contains a site plan drawing indicating the installation location of the proposed fuel tank.

2.1 Change

Installation of a small fuel storage tank at the Project site.

2.2 Rational for Change

Storage of diesel is required on-site to fuel maintenance equipment. The need for on-site storage of fuel was not contemplated during the development of the Project.

2.3 Addition Environmental Risks and Mitigation

The risk of releasing diesel fuel to the natural environment is mitigated by the double-walled design of the proposed fuel tank which is design to the latest version of CAN/ULC-601. The tank will be installed and operated in accordance with the MOECC's Guidelines for Environmental Protection Measures at Chemical and Waste Storage Facilities as well as the applicable TSSA regulations for liquid fuel storage.

3.0 Summary of Revisions to REA Supporting Documents

This section addresses amendments to the supporting documents submitted with the REA application necessitated by the changes proposed in this document.

3.1 Construction Report

No material changes. Existing project infrastructure will be utilized to access fuel tank location.

3.2 Design and Operation Report

Page	Section	Original Text	Amended Text
10	3.2.6	Not Applicable	On-Site Fuel Storage A fuel storage tank may be installed at the Project site to facilitate the operation of maintenance related equipment. The fuel storage tank will be installed in accordance with Ministry of Environment and Climate Change's Guidelines for Environmental Protection Measures at Chemical and Waste Storage Facilities as well as applicable TSSA regulations and any other applicable legislation, regulations, standards, codes, or practices.

3.4 Decommissioning Report

No material changes.

3.5 Heritage Assessment Report

No material changes.

3.6 Project Description Report

No material changes.

3.7 Protected Properties Assessment

No material changes.

3.8 Water Assessment Report

No material changes.

3.9 Natural Heritage Assessment and Environmental Impact Study

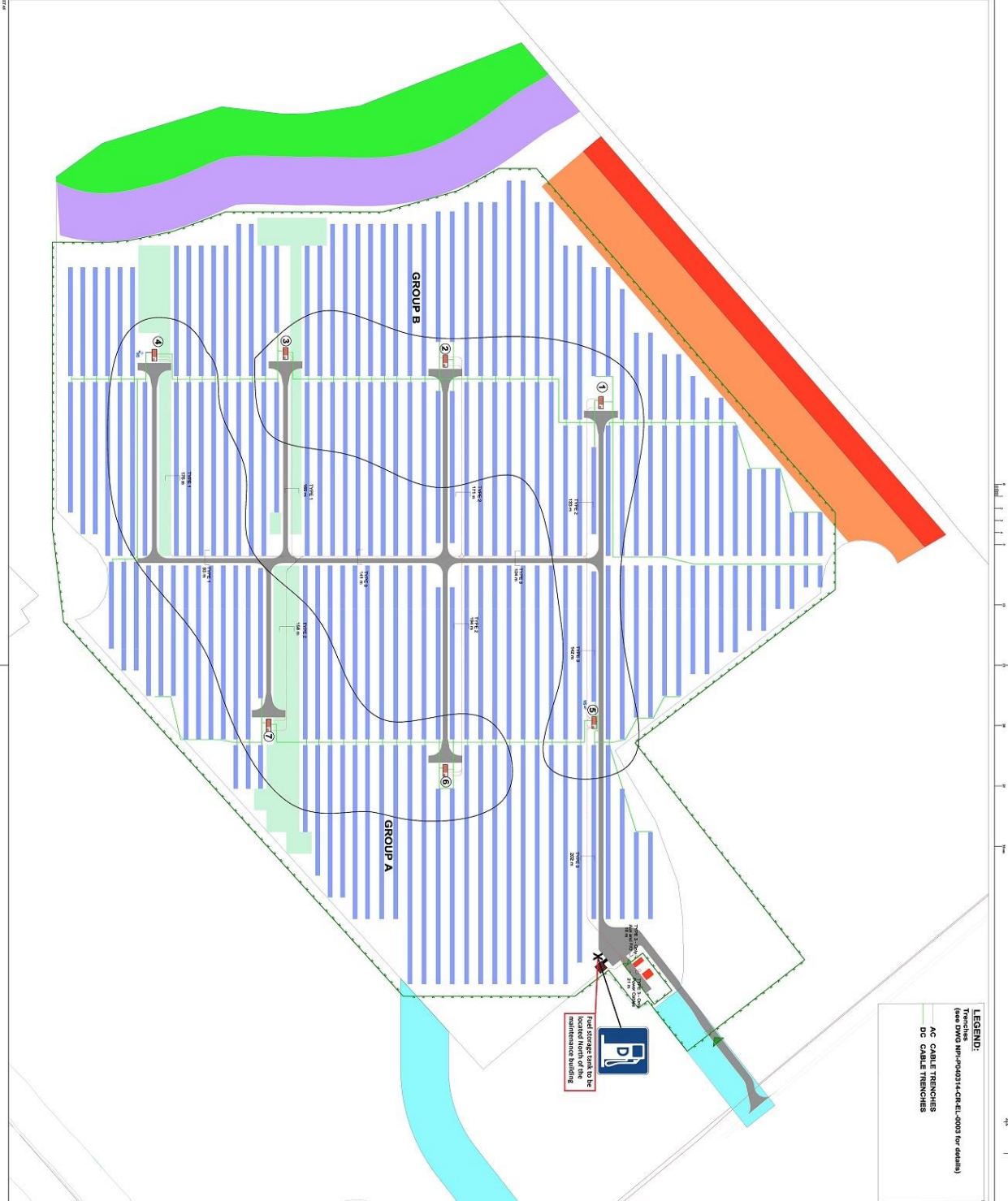
No material changes.

3.10 Noise Assessment Study Report

No material changes. No noise emitting equipment will be installed or moved as a result of the changes proposed in the document.

Appendix A

Site Plan



LEGEND:
 (See DWG NPI-P046314-CR-EL-0003 for details)
 AC CABLE TRENCHES
 DC CABLE TRENCHES
 CABLE TRENCHES

1. THIS DRAWING IS THE PROPERTY OF DESSAU AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF DESSAU.
 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL, STATE, AND FEDERAL AUTHORITIES.
 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INFORMATION FROM THE LOCAL, STATE, AND FEDERAL AUTHORITIES.
 4. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM AND SIGNALING CODE (NFPA 72).
 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INFORMATION FROM THE LOCAL, STATE, AND FEDERAL AUTHORITIES.
 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INFORMATION FROM THE LOCAL, STATE, AND FEDERAL AUTHORITIES.
 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INFORMATION FROM THE LOCAL, STATE, AND FEDERAL AUTHORITIES.

AS BUILT
 BASED ON INFORMATION
 PROVIDED BY THE
 CONTRACTOR ON
 JULY 16, 2014

- REFERENCES:
1. NATIONAL ELECTRICAL CODE (NEC)
 2. NATIONAL FIRE ALARM AND SIGNALING CODE (NFPA 72)
 3. NATIONAL ELECTRICAL CODE (NEC) - TABLE 310.104
 4. NATIONAL ELECTRICAL CODE (NEC) - TABLE 310.104
 5. NATIONAL ELECTRICAL CODE (NEC) - TABLE 310.104
 6. NATIONAL ELECTRICAL CODE (NEC) - TABLE 310.104
 7. NATIONAL ELECTRICAL CODE (NEC) - TABLE 310.104
 8. NATIONAL ELECTRICAL CODE (NEC) - TABLE 310.104
 9. NATIONAL ELECTRICAL CODE (NEC) - TABLE 310.104
 10. NATIONAL ELECTRICAL CODE (NEC) - TABLE 310.104

NO.	DESCRIPTION	QTY	UNIT
1	1" RIGID PVC 1/2" WALL	24	LF
2	1" RIGID PVC 1/2" WALL	24	LF
3	1" RIGID PVC 1/2" WALL	24	LF
4	1" RIGID PVC 1/2" WALL	24	LF
5	1" RIGID PVC 1/2" WALL	24	LF
6	1" RIGID PVC 1/2" WALL	24	LF
7	1" RIGID PVC 1/2" WALL	24	LF
8	1" RIGID PVC 1/2" WALL	24	LF
9	1" RIGID PVC 1/2" WALL	24	LF
10	1" RIGID PVC 1/2" WALL	24	LF

MIWEL
 NORTHLAND POWER
 NORTHLAND POWER PORTFOLIO
 OF SOLAR FARMS
 CROSSER FARM
 AC COLLECTION SYSTEM
 TRENCHES AND MANHOLE

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