Ling Hall Solar Farm

Connections to the National Grid
Planning Condition 7

May 2017
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# TABLE OF CONTENTS

1. Introduction .......................................................................................................................... 1  
   1.1 ........................................................................................................................................ 1  
   1.2 ........................................................................................................................................ 1  
2. Trenching HV Cables ........................................................................................................... 1  
   2.1 ........................................................................................................................................ 1  
3. Ground mounted Cables ....................................................................................................... 3  
4. Conclusions .......................................................................................................................... 4  
   4.1 ........................................................................................................................................ 4  

APPENDICES.  

Appendix A
1. Introduction

1.1 This Document has been prepared by Christopher Lord on behalf of REG Ling Hall Solar Ltd to discharge Condition 7 of Planning Permission RBC/14CM029 at Ling Hall Landfill Site, Coalpit Lane, Rugby, CV23 9HH.

1.2 Condition 7 of Planning Permission RBC/14CM029 requires:
The development hereby permitted shall not be commenced until full details of the connections to the Nation Grid have been submitted to and approved in writing by the County Planning Authority. The grid connections shall be carried out in accordance with the approved details.

2. Trenching HV Cables

2.1 All HV cables in areas where there is no landfill will be trenched underground at a typical depth of 600mm to 800mm. In areas where there is landfill, cables will only be trenched with the approval of the Environment Agency.

Where any cabling works are required to be underground, they will be locally undertaken within trenches in the overburden above the capping layer protecting the landfill. Any such trenches will be refilled to existing levels and will not require any re-profiling works. Cables will only be visible where they connect into the main control units (see Image 1).

![Image 1: Cables coming from an underground trench through to a DCB cabinet.](image1)

Images 2 and 3 illustrate how cables are positioned from trenches directly into housing foundations through duct holes. Trenches and foundations are back filled and reinstated as shown in image 4.
Image 2: Concrete foundation for the site units are formed with the ducting holes already positioned.

Image 3: Unit in place with cables running in ducting and positioned into the base of the unit.
3. **Ground mounted Cables**

Onsite cabling above the landfill areas will either be on cable trays attached to the galvanised metal racking systems or installed within semi-buried concrete cable channels to avoid any potential conflict with existing pipework and prevent penetrating the capping layer.

Image 5 illustrates how the ends of each channel are sealed for safety and protection of the cables.

Image 5: Examples of how cables can run in concrete at ground level.
4. Conclusions

4.1 To summarise, we trust that the methods outlined in this report along with Appendix A, a drawing of the HV cable route for the scheme, provide the necessary additional detail needed to allow the Local Planning Authority to discharge planning Condition 7.
APPENDIX A

Ling Hall Solar Farm HV Cable Route