

Kirk Denton - Principal Planning Manager
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CHELTENHAM
GL50 3LG

27th November 2023

Dear Kirk,

Subject: Cefn solar farm - NMA revised drainage scheme
Ref: Addendum to FRA & SWMP (735 SP03)

1 Background

This is an Addendum to the Flood Consequences Assessment (FCA) and Surface Water Management Plan (SWMP) previously submitted for the proposed solar farm at Cefn Park. The Addendum is required to address the potential impact of changes made to the layout.

This Addendum should be read in conjunction with the following Reports:

- Cefn Solar Farm: Flood Consequences Assessment, for Novus Renewable Services Ltd, REPORT REF: 321/SP10 (v1), October 2021.
- Cefn Solar Farm: Surface Water Management Plan, for Novus Renewable Services Ltd, REPORT REF: 321/SP11 (v1), October 2021.

This Addendum has been prepared by Dr Webster of Corylus, who prepared the original reports.

2 Changes to Layout

The layout as submitted in September 2021 is shown in Figure 1, with the revised layout shown in Figure 2. The changes are as follows:

- Removal of the BESS (Battery and Energy Storage System) with solar panels in its place;
- Removal of the soil bunds around the inverters as shown in Figure 3.

3 *Impacts of changes to FCA*

The proposed changes have no impact on the FCA.

4 *Impacts of changes to the SWMP*

The removal of the BESS constitutes the removal of impermeable surfaces from the development. Runoff from the BESS was to be attenuated in the gravelled areas around the BESS, but this facility is no longer required.

It is proposed that the area previously occupied by the BESS be used to extend the solar panels. This does not require any additional mitigation given the principle that the panels do not in themselves lead to any increase in runoff.

The proposed changes do not require any change to the SuDS as originally proposed.

5 *Conclusion*

This is an Addendum to the FCA and SWMP for the construction of a solar farm at Cefn Park to address proposed changes to the layout. The changes do not lead to any increase in runoff and no changes are required to the SuDS as originally proposed.

Yours sincerely,

P Webster

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Figure 2: The Proposed Development (Drawing CE/321/4 Rev M, dated November 2023)



Figure 3: Isolated Infrastructure Components (Revised Figure 3-1 from SWMP)

(a) Battery/ISO (not present)

(b) Substation



(c) Transformer pair

(d) Transformer pair with ISO

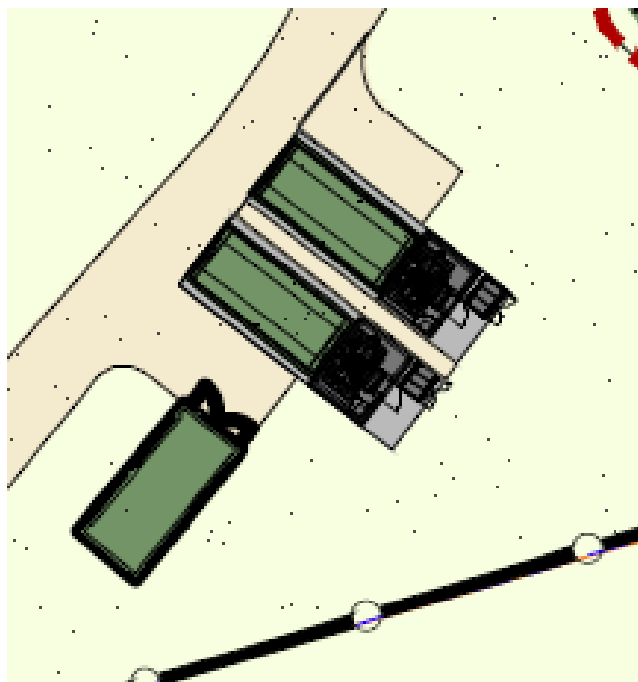
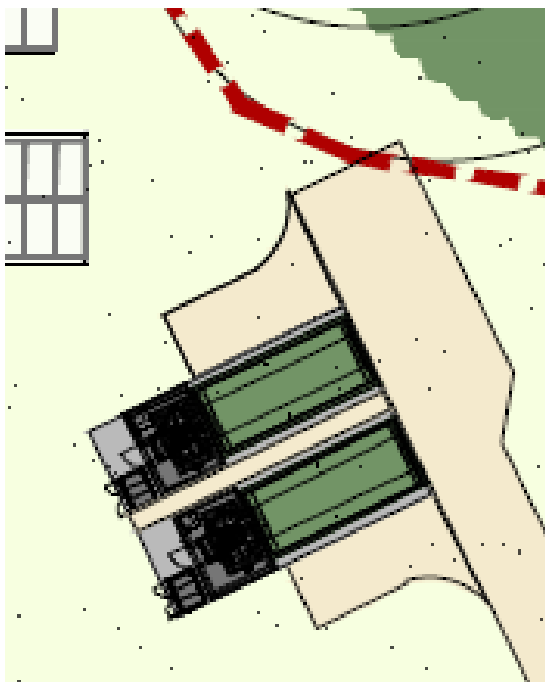


Figure 4: Cross-Section through proposed soakaway for Transformer Pair (Revised Figure 3-3 from SWMP)

