



SUN FIELDS DREAM FIELDS LLANDARCY

Air Quality Technical Note

On Behalf of Hale Construction Ltd
July 2023

Document Control Sheet

Project Name: Sun Fields Dream Fields Llandarcy

Project Ref: 0128

Report Title: Air Quality Technical Note

Client	Hale Construction Ltd
Principal Contact	Jonathan Hale
Job Number	0128
Item	Air Quality Technical Note
File Location	\\Job Numbers\0128\Report\0128A(AQ-Solar)v0.docx

Quality Management

Prepared by	Harley Parfitt	Air Quality Consultant	17/07/2023
Checked by	Harley Parfitt	Air Quality Consultant	17/07/2023
Revision Number	V0		

Revision History	Date of Issue	Reason for revision
V0	0	For client comment

Disclaimer

Greenavon Ltd has used reasonable skill and care in carrying out this assessment, within the terms of the agreed scope of work. The report has been prepared for the sole use of the client and Greenavon Ltd accepts no responsibility for any use of this document by any third party. Greenavon Ltd accepts no responsibility for incorrect or inaccurate data provided by other parties, which are used in this assessment. Unless otherwise agreed, this document and all other intellectual property remains the property of Greenavon Ltd.

1 Air Quality Statement

- 1.1 Greenavon Ltd was commissioned by Hale Construction Ltd to provide an Air Quality Technical Note to support an application for a proposed ground mounted solar PV array with a generating capacity of up to 1.3MW, including development of ancillary structures, fencing and landscaping works.
- 1.2 The proposed development is found in proximity to the Crymlyn Bog Special Area of Conservation (SAC); an ecological receptor of international importance that is protected under the Habitats Regulations. As such, the Local Planning Authority, Neath Port Talbot Council, have requested that air quality be considered as part of a HRA screening assessment.
- 1.3 The proposed development will generate circa 20 vehicle trips, per day, during construction and decommissioning. Construction and decommissioning are understood to last far less than one year. As such, *annual average daily traffic* (AADT) generated by the proposal will be less than 20.
- 1.4 The Design Manual For Roads and Bridges (DMRB)¹ provides a series of criteria to screen out the impact of traffic on designated ecological sites. These include the change in AADT flows on a given road of 1000 vehicles or 200 heavy duty vehicles (HDVs). These thresholds have been widely used to screen out the need for quantitative assessment of projects/plans. As such, it can be concluded that the proposed development would have no significant impact on the integrity of the SAC, in isolation.
- 1.5 It is, however, recognised that the DMRB thresholds should be considered “in combination” with all other plans and projects in the vicinity. The proposed development is not located in proximity to any other project which, in combination, has the potential to increase vehicle numbers on the Heol Yr Ysgol, or the B4290 Ashleigh Terrace (roads abutting Crymlyn Bog SAC) by more than 1,000 vehicles or 200 HDVs.
- 1.6 Considering the above, it can be concluded that air emissions associated with the proposed solar farm do not have the potential, in isolation, or in combination with other projects and plans, to have a significant effect on the integrity of the Crymlyn Bog SAC.

¹ DMRB (2019) LA 105 Air Quality: <https://www.standardsforhighways.co.uk/search/10191621-07df-44a3-892e-c1d5c7a28d90>



Greenavon Ltd

Experts in Air Quality and Odour Assessment

Registered Office Address: 128 City Road, London,
United Kingdom, EC1V 2NX

Company Number: 14788658

www.greenavon.com