

Statement - Application for installation of single non domestic microgeneration Ground Source Heat Pump at Llwyn Llanc Uchaf Farm Crynant

The installation consists of ten number trenches each fifty meters long at 5m centres which connect to a main trench to the corner of the existing building which is 70m long. The topsoil is excavated and stockpiled for reuse, trenches dug and 32mm diameter pipework installed. Following installation of the pipes they are backfilled with suitable excavated material (sieved) and further backfilling of trenches with excavated material compacted in layers. The topsoil is spread and levelled over the top and the field disced, harrowed, fertilised, reseeded and rolled and returned to agricultural grazing / hay, silage as it was prior to the development.

A 45kw capacity ground source heat pump system is installed in the South west corner of the existing workshop. This provides heating and hot water to the Cottages communal swimming pool, showers, toilets, Gym and workshop facilities.

The development was completed and became operational in June 2020
Photos of the site (position of trenches, external photos of the building & internal photos of the associated equipment) and the reinstated seeded field are attached.

A land drainage system was installed in the 1980s consisting of 80mm diameter pipes which were cut through during excavations was reinstated .