

Site Specific Risk Assessment for USK SSSI/SAC/SPZ2

In all areas of application the impact to the SPZ2 is limited entirely by application rates never exceeding crop need. This prevents the movement of excess nutrient to all forms of Groundwater in the drainage catchment.

The main issues associated with the River Usk are;

- Water Quality (pollution by excess nitrates, phosphates and other pollutants)
- Sediments

Waste will also be spread on fields at Garngaled farm, which neighbours Aberbran Fawr. Again, the risk to the SSSI is indirect. Run off could possibly drain into field ditches, and consequently to the River Usk.

These issues are addressed on field **1079** by;

- Abide by 10m no spread zones to reduce the risk of waste entering ditches and consequently the river.
- There are several parcels, with the main road intercepting them between 1079 and the river Usk.

These issues are addressed on field **9408** by;

- Abide by 10m no spread zones to reduce the risk of waste entering ditches and consequently the river
- There are 2 to 3 parcels of land, the main road, and again, bankside trees buffering the river Usk.
- Land slopes gradually more to the East, and not the North where the SSSI is located

These issues are addressed on field **9995** by;

- There are 3 parcels of land, the main road, and bankside trees buffering the River Usk

These issues are addressed on field **7785** by;

- Abide by 10m no spread zones to reduce the risk of waste entering ditches and consequently the river.
- There is a section of woodland directly below parcel 7785. This would considerably slow any possible soil and waste run off. It is unlikely waste and soil run off would pass through the wooded area too.
- There are 2 more parcels of land beyond the woodland, adding to the buffer for any run off

E1

These issues are addressed on field **4984** by;

- Abide by 10m no spread zones to reduce the risk of waste entering ditches and consequently the river.
- There are a couple of parcels below 4984, before it meets the town of Llanspyddid. These features will buffer the SSSI from any run off on 4984.

These issues are addressed on field **4470** by;

- Keeping a buffer zone of 2m in place for the public right of way (PROW), when spreading the waste
- Abide by 10m no spread zones to reduce the risk of waste entering ditches and consequently the river
- There are 2 to 3 parcels below 4470, again buffering the SSSI from possible run off

These issues are addressed on field **3478** by;

- Keeping a buffer zone of 2m in place for the public right of way (PROW), when spreading the waste
- There are 2 parcels below 3478, and the town of Llanspyddid below these, before the river Usk would be met. All measures would be taken to prevent run off reaching the town, before it could be channelled to the river
- Abide by 10m no spread zones to reduce the risk of waste entering ditches and consequently the river

These issues are addressed on field **2368** by;

- As with 3478, there are 2 to 3 parcels below 2368, and the town of Llanspyddid, before run off would reach the River Usk

These issues are addressed on field **0865** by;

- There are 2 to 3 parcels below 0865, again buffering the SSSI from possible run off

These issues are addressed on field **9977** by;

- The main road runs along the west side of the field, and above the River Usk, with 3 or more parcels of land between the road and 9977. These would all create a buffer to the SSSI.
- Abide by 10m no spread zones to reduce the risk of waste entering ditches and consequently the river.

E1

These issues are addressed on field **6856** by;

- Abide by 10m no spread zones to reduce the risk of waste entering ditches and consequently the river.
- There is another parcel and a section of woodland directly above parcel 6856. This would considerably slow any possible soil and waste run off. It is unlikely waste and soil run off would pass through the wooded area too.

These issues are addressed on field **5560** by;

- Abide by 10m no spread zones to reduce the risk of waste entering ditches and consequently the river.
- There is a section of woodland directly above parcel 5560. This would considerably slow any possible soil and waste run off. It is unlikely waste and soil run off would pass through the wooded area too.

These issues are addressed on fields **7694/8459**- these fields are treated as one by;

- Two lanes surround the parcels on both the east and south of the parcel
- Several parcels are between 7694/8459 and the River Usk

These issues are addressed on field **9060/9466** by;

- Abide by 10m no spread zones to reduce the risk of waste entering ditches and consequently the river.
- There are several parcels, with the main road intercepting them between 9060/9466 and the river Usk.

