Risk Assessment

Risk assessment for land spreading activity at Tylebrithos Farm, Cantref, Brecon. LD3 8LR. Pencellie Court LD3 7LX & Pwllyr Hwyaid LD3 7YS.

Risk assessment Reviewed by Dawn Loos January 2026.

Data				Judgement				Action	
Receptor What is at risk? What do I wish to protect?	*Source* The agent or process with potential to cause harm	*Harm* The harmful consequences if things go wrong	*Pathway* How the receptor might come into contact with the source	*Probability of exposure* How likely is this contact?	*Consequence* Severity of the consequences if this occurs	*Magnitude of risk* The overall magnitude of the risk	*Justification for magnitude* Basis of my judgement	*Risk management* How I can best manage the risk to reduce the magnitude	*Residual risk* Magnitude of the risk after management
Surface water – ditches, watercourses and ponds	Nutrients, aluminium, and organic matter	Surface water pollution	Surface run-off	Medium	High	Medium	Proximity of ditches and under drainage. Low pollution potential of material.	Comply with Water Code, NVZ, Cross Compliance, Sludge Regs and EPR. No spreading areas to be observed as per attached plans.	Low
Groundwater	Nutrients, Aluminium, PTE's	Groundwater pollution	In appropriate application.	Medium	Medium	Low	WTW Sludge and digestate have very low concentrations of PTE's. and nutrients. Aluminium insoluble – WTW sludge. Rate and timing of application as per PQA.	Comply with Water Code NVZ, EPR and Sludge Regs.	Low
Soils	Physical damage to soil structure	Damage to soil structure and poor subsequent crop yields	Delivery and spreading activity	Low	Medium to high	Low	Delivery and spreading to be undertaken when e ground conditions are suitable.	Comply with Soil Code and Cross Compliance Criteria. Apply only in suitable conditions.	Low
Soils	Nutrients, Aluminium, and PTE's	Build up of nutrients. and/or PTE's	Spreading activity	High	Medium to high	Low	Waste analysis. Soil analysis. Appropriate rates of application.	Apply per PQA, RB209 and Soil Code.	Low

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Local human population and wildlife	Spreading activities – physical	Harm to humans or animals	Trespass, accidental contact	Low	Medium	Low	Agricultural areas with limited public access. Minimum 3 week non-utilisation period.	Application during appropriate conditions and awareness of access issues.	Low
Local human population	Odour during spreading activity	Odour issues/complaints	Airborne compounds	Low	Low	Low	Waste has minimal to no odour.	Comply with Air Code.	Low
Local human population	Releases of airborne dusts/ particulate matter	Harm to human health - respiratory irritation and illness.	Air transport then inhalation	Low	Medium	Low	Waste has a low potential to produce airborne dust and particulate matter.	Waste will be applied in accordance with CoGAP and EMS.	Low
Local human population	As above	Nuisance dust on cars, clothing etc.	Deposition from air	Low	Low	Low	As above	As above	Low
Local human population	Emissions; litter	Nuisance loss of amenity and harm to pet health	Transport through air	Low	Low	Low	Waste does not contain litter as it derives from a controlled manufacturing process.	Waste will be applied per Codes of Good Agricultural Practice and SR2010No4 EMS.	Low
Local human population	Noise	Noise complaints	Noise from delivery, and spreading	Low	Low to Medium	Low	Agricultural machinery in agricultural areas.	Avoid sensitive spreading periods e.g. e.g. bank holidays and weekends. Delivery during daylight hours.	Low
Local human population	Pests (e.g. flies)	Harm to human health, nuisance, loss of amenity	Air transport and over land	Low	Low	Low	Wastes do not attract scavenging animals and flies.	Wastes will be stored, transported and spread in accordance with conditions set in SR2010No4 permit, CoGAP and Duty of Care.	Low

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Local human population and local environment	Emissions; litter and mud on local roads	Nuisance, loss of amenity, risk of accident	Vehicles entering and leaving site	Medium	Medium	Medium	Road safety. Tractors/ spreaders trailing mud and debris from fields.	Operation will not cause any additional effects on surrounding roads than normal agricultural practice occurring in the surrounding area. Application of waste will condition the soil and improve workability, which reduces environmental impact associated with spreading.	Low
Hedgerows and trees	Physical damage from spreading equipment	Ecological & landscape	Physical damage from spreading equipment	Low	Low	Low	Professional contractors employed instructed to take care around trees.	Leave approrpriate buffer zone adjacent to trees and hedgerows.	Low
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Ancient semi natural woodland	Nutrients PTE's Aluminium	Ecological Protection of habitat, flora and fauna	-Migration of leachate to adjacent sites. -Spray	Medium	Medium	Low	Low pollution potential of material.	Delivery, storage and spreading will be done in accordance with CoGap,	Low

							Proximity of SSSI (60 m from nearest field)	EPR permit requirements and the operators EMS.	
River Usk (Tributaries) SSSI	Nutrients PTEs Dusts	Ecological	Surface run-off Airborne compounds	Medium	High	Medium	Proximity of SSSI Particularly sensitive nature of SSSI (fish and plant species) Waste streams have low potential to produce airborne dust and particulate matter	50m non-spreading buffer zone applied to where SSSI borders fields and to watercourses that run directly into SSSI	Low
River Usk (Upper Usk) SSSIs	Nutrients PTEs Dusts	Ecological	Surface run-off Airborne compounds	Medium	High	Medium	Proximity of SSSI Particularly sensitive nature of SSSI (fish and plant species) Waste streams have low potential to produce airborne dust and particulate matter	50m non-spreading buffer zone applied to where SSSI borders fields and to watercourses that run directly into SSSI	Low
River Usk SAC	Nutrients PTEs Dusts	Ecological	Surface run-off Airborne compounds	Medium	High	Medium	Proximity of SAC Particularly sensitive nature of SAC (fish and plant species) Waste streams have low potential to produce airborne dust and particulate matter	50m non-spreading buffer zone applied to where SSSI borders fields and to watercourses that run directly into SAC	Low