

Deployment Risk Assessment

Risk assessment for land spreading activity at: Coed Hywel Farm, Llandygai, BANGOR.

Risk assessment carried out by: D Roberts

Date: 06 February 2019

Data				Judgement				Action	
Receptor	Source	Harm	Pathway	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 can I best manage the risk to reduce the magnitude	Residual Risk Magnitude of the risk after the management
Surface water - Ditches, watercourses and ponds	Nutrients	Surface water pollution	Surface run off	Low	High	Medium	Detailed information of location of ditches, drains, watercourses and ponds. Use of deep injector which minimises surface application Always injecting cross slope	Experienced operators Best agricultural practice and well maintained equipment.	Low
Groundwater, boreholes and springs	Nutrients	Groundwater pollution	Operator error	Low	High	Medium	Detailed information on location of boreholes, wells and springs	Experienced operators. Observation of no - spreading zones.	Low
Soils	Physical damage to soil structure from injecting process	Poor subsequent crop yield	Equipment and operator error	Low	High	Low	Experienced operators Good well maintained injecting equipment. Daily assessment of conditions Change of field locations if required.	Experienced operators that adhere to best agricultural practice.	Low
Soils	Nutrients	Build-up of nutrients	Spreading activity	Low	Medium	Low	The injecting process can be accurately controlled and spillages are quickly controlled and faulty equipment repaired.	Appropriate rate of application at all times.	Low
Local human population at the hotel adjacent to field 3, properties to the west of field 13 and isolated properties to the south of field 12.	Odour during spreading activities	Odour issues and complaints	Airborne	Low	Medium	Low	See Odour Management Plan	Odour Management Plan	Low

Local human population and wildlife	Spreading activities	Harm to humans or animals	Trespassing or accidental contact	Low	Medium	Low	Remote agricultural areas with limited public access. 3 weeks non-utilisation period.	Utilise best agricultural practice	Low
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What is at risk? What do I wish to protect ?	The agent or process with potential to cause harm	The harmful consequence if things go wrong	How the receptor might come into contact with the source	How likely is this contact?	Severity of the consequences if this occurs	The overall magnitude of the risk	Basis of my judgement	How can I best manage the risk to reduce the magnitude	Magnitude of the risk after the management
Local human population	Releases of airborne vapour	Harm to human health	Air transportation then inhalation	Low	Medium	Low	Remote agricultural location. Waste is liquid form and has a low potential to vaporise.	Ensure equipment well maintained and leaks repaired promptly.	Low
Local human population	Noise	Noise complaints	Noise from delivery and spreading operations	Low	Low	Low	Agricultural activities in agricultural areas	Avoid landspreading activity during bank holidays and weekends when possible	Low
Local human population	Vermin and pests	Health issues and nuisance	Leaks and spillages	Low	Low	Low	Have not experienced any additional vermin or pests during spreading activities	Waste stored in sealed tanks and spillages and leaks cleared up promptly.	Low
Local human population and local environment	Engine emissions from and the use of articulated lorries on local roads	Nuisance and risk of collision	Vehicles entering and leaving site	Low	High	Medium	Articulated tankers governed by VOSA regulated operators licence	Site access carefully selected to allow safe delivery of waste.	Low