

H1 Environmental Risk Assessment – Protected Species at Batrudding

Activity: Liming and temporary storage of biosolids

Location: Batrudding Farm, Back Lane, York, 23 7BN (SE 57850 42730)

Sensitive Receptor: Protected species located 260m from site boundary

Source	Hazard	Receptor	Pathway	Initial Risk	Embedded Mitigation Measures	Residual Likelihood	Residual Consequence	Residual Risk
Untreated biosolids	Odour attraction	Protected species (260m)	Airborne odour plume	Medium	Same-day lime treatment; no overnight untreated storage; wind direction monitoring	Very Low	Low	Low
Untreated biosolids	Organic food source	Protected species (260m)	Direct attraction/foraging	Medium	Immediate stabilisation; no long-term stockpiling	Very Low	Low	Low
Treated biosolids	Invertebrate colonisation	Protected species (foraging chain)	Secondary attraction	Medium	Maintain pH ≥ 12 ; limited storage; prompt removal from site	Very Low	Low	Low
Rainfall on material	Nutrient runoff	Adjacent habitats	Surface water migration	Medium	Operations on hardstanding only; no discharge toward habitats; runoff containment	Very Low	Medium	Low
Site surface	Standing water	Birds, amphibians, mammals	Water attraction	Medium	Post-rain inspections; pump-out if required	Very Low	Low	Low
Lime application	Alkaline dust	Vegetation / fauna	Airborne drift	Low-Medium	Treatment occurs in a closed system	Very Low	Low	Low
Site operations	Noise disturbance	Protected species	Airborne noise	Low	Daytime working only	Very Low	Low	Low
Site operations	Artificial lighting	Nocturnal species	Light spill	Low	No night-time operations; directional task lighting only if essential	Very Low	Low	Low
General site waste	Food attractant	Mammals/birds	Direct attraction	Medium	No food waste stored; daily housekeeping	Very Low	Low	Low

Overall Assessment Outcome

- **Separation distance:** 260m
- **Operational surface:** Existing impermeable runway (no habitat creation)
- **All attraction pathways controlled:** Odour, food resource, water, access, disturbance
- **Overall residual environmental risk:** Low