

**Document 7: Environmental Risk Assessment: (Areera Ltd, Bury St Edmunds WTEE
Storage Installation)**

Hazard Potential	Impact	Likelihood	Severity	Control Measures
Refrigerant or Foaming Gas Release (CFCs, HFCs, Pentane)	Damage to the ozone layer, greenhouse gas emissions, or fire/explosion risk from flammable blowing agents	Medium	High	Store units upright in line with Appropriate Measures and RPS375 and handle carefully to avoid puncturing cooling circuits. Where feasible, restrict storage times to a maximum of 3 months before being transferred off-site for treatment (but accept that storage can exceed this in line with RPS375 allowances)
Oil and fluid leakage from compressors	Contamination of surface water, groundwater, or soil via uncontained runoff	Low	High	Store fridges exclusively on an impermeable concrete surface with a sealed drainage system. Keep spill kits nearby and train staff on rapid containment
Fire hazard from plastic and foam components	Rapid fire spread affecting neighbouring sites and/ or	Low	High	Maintain strict firebreaks and separation distances between

	releasing toxic smoke			appliance stockpiles. Enforce a maximum stack height of 3.6 meters to maintain stability
Physical damage from improper handling	Accidental crushing of units leading to immediate chemical and oil release.	Medium	Medium	Only allow trained, competent personnel to handle and move appliances. Inspect incoming fridges during pre-acceptance checks for heavy structural damage and place in quarantine or make secure where feasible.