

Risk Assessment Matrix – Remediation Works (Northfleet Mill)

Project Details

Project: Northfleet Mill – Pulp Storage Building

Location: Northfleet, Gravesend

Reference: EAL.403.24

Date: December 2025

Purpose

Risk Assessment Matrix

Hazard	Risk Description	Likelihood	Severity	Risk Rating	Control Measures	Residual Risk
Exposure to PAHs	Operatives exposed to contaminated soil during excavation	Medium	High	High	Use PPE (gloves, coveralls, FFP3 masks), hygiene facilities, exclusion zone	Low
Manual Handling	Injury from lifting heavy materials	Medium	Medium	Medium	Manual handling training, use mechanical aids	Low
Plant Operation	Collision or injury from excavator	Low	High	High	Trained operators, plant segregation, banksman	Low
Dust Inhalation	Dust from excavation causing respiratory issues	Medium	Medium	Medium	Water suppression, PPE (FFP3 masks)	Low
Groundwater Contamination	Runoff carrying contaminants to groundwater	Low	High	High	Bunds, silt fencing, impermeable membrane	Low
Traffic Movement	Vehicle movement causing accidents	Medium	High	High	Traffic management plan, designated routes	Low
Unexpected Contamination	Discovery of additional hazardous material	Low	High	High	Stop work, notify PM, implement emergency protocol	Low