|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Receptor** | **Source** | **Harm** | **Pathway** | **Probability of Exposure** | **Consequence** | **Magnitude of risk** | **Justification for magnitude** | **Risk Management** | **Residual Risk** |
| **Human** | Imported material  Noise  Odour  Litter  Pests | Human Health  Noise nuisance & amenity value  Odour nuisance &  amenity value  Amenity value  Human health & amenity value | Direct ingestion  Inhalation of soil  Atmospheric  Atmospheric  Windblown  Direct | Very low  Low during material movement.  Very low during completion  Low  Low  Low  Low | Medium  Medium  Medium  Low  Low  Low  Low | Low  Medium  Low  Low  Low  Low  Low | No plant uptake or vegetables to be grown.  All operatives to wear correct PPE. In periods of dry weather dust to be suppressed using bouser.  Final finished surfaces will be impermeable so material will not be in contact with humans  Currently located within an industrial estate. Additional traffic movements are not believed to cause significant noise problem. All machinery fitted with silencers.  No malodorous wastes accepted  Permitted wastes unlikely to generate litter  Permitted wastes unlikely to attract pests. | All imported material will require analysis which will be assessed against the CLEA model, and SGV’s. There is no residential use or plant or vegetable uptake which could increase risk to human health.  Vehicle movement only permitted within operational hours. Fitted with silencers. Serviced & maintained regularly.  Quarantine and reject malodorous loads  Quarantine and reject loads containing litter  No putrescible material accepted on site | Low  Low  Very Low  Low  Low  Low  Low |
| **Water** | Imported material | Water Quality via direct runoff or leaching of contaminants | Run off  Leaching  Groundwater | Very Low  Low  Medium | Low  Medium  High | Low  Medium  High | No pathway for runoff to watercourse.  Material covered with impermeable surface following works.  All material required to meet acceptance criteria outlined in the Environmental risk assessment.  Material covered with impermeable hard standing.  All oil storage to be stored in bunded tank with 110% bund. Only re-fuelling in designated areas. Spill kits provided onsite.  Only permitted waste to be received. No hazardous wastes | Ensure earthworks are covered with hard standing on completion of works. Holding pond to collect runoff during construction.  Ensure all waste meets criteria and approval sought from EA.  All plant and machinery well maintained. Site surfacing inspected regularly. | Low  Low  Medium |
| **Air** | Imported material | Dust nuisance | Atmospheric & trafficking of vehicles | Low | Medium | Medium | All operatives to wear correct PPE. In periods of dry weather dust to be suppressed using a bouser. Vehicles will be sheeted and access roads sprayed to reduce dust. | Contractor to carry out site inspections and inductions for all operatives. | Low |
| **Land** | Imported material | Currently vacant industrial land. | No pathway to SSSI.  Direct - Material deposited will be assessed using CLEA for commercial use. | Low | Medium | Medium | No direct pathway to SSSI. Imported material is assessed using guidance criteria. | Ensure all waste meets criteria and approval sought from EA. | Low |
| **Plant/ Animal** | Imported material | Not within 1km of SSSI  Nature Conservation Sites, protected habitats | No known pathway to SSSI.  .  No pathway to receptor | Low  Low | Medium  Medium | Medium  Medium | No planting or vegetation uptake.  Land covered with impermeable hard standing.  Low impact activity on habitats. No pathway to receptor. All operations restricted to within site boundary. | Ensure all waste meets criteria and approval sought from EA.  Holding pond constructed to prevent surface water runoff into water course. | Low  Low |