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| **Receptor** | **Source** | **Harm** | **Pathway** | **Probability of Exposure** | **Consequence** | **Magnitude of risk** | **Justification for magnitude** | **Risk Management** | **Residual Risk** |
| **Human**  | Imported materialNoiseOdourLitterPests | Human HealthNoise nuisance & amenity valueOdour nuisance &amenity valueAmenity valueHuman health & amenity value | Direct ingestionInhalation of soilAtmosphericAtmosphericWindblownDirect | Very lowLow during material movement.Very low during completionLowLowLowLow | MediumMediumMediumLowLowLowLow | LowMediumLowLowLowLowLow | 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 humansCurrently located within an industrial estate. Additional traffic movements are not believed to cause significant noise problem. All machinery fitted with silencers.No malodorous wastes acceptedPermitted wastes unlikely to generate litterPermitted 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 loadsQuarantine and reject loads containing litterNo putrescible material accepted on site | LowLowVery LowLowLowLowLow |
| **Water**  | Imported material | Water Quality via direct runoff or leaching of contaminants | Run offLeachingGroundwater | Very LowLowMedium | LowMediumHigh | LowMediumHigh | 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.  | LowLowMedium |
| **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 SSSINature Conservation Sites, protected habitats | No known pathway to SSSI..No pathway to receptor | LowLow  | MediumMedium | MediumMedium | 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. | LowLow |