**Product / Service:** Science Consumables

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|  | **Negative Impacts / Risks** |  | **Positive Opportunities** |
| **Environmental** | * Production – high carbon production process, including non-recyclable & non-renewable materials & water (impact on biodiversity / mining impacts) * Vehicle fuel & emissions (carbon impact) – high order frequency of consumables (small volumes) * Consumables may be delivered in excessive packaging * Disposal of consumables (often one-off use – adding to landfill) – may include hazardous waste or require sterilisation prior to disposal | * Computer modelling techniques in research may avoid use * Consolidated orders & reduced delivery frequency of consumables / consignment stock * Low CO2 vehicles for delivery * Reduce levels of packaging / use recycled packaging * Consumables recycling / reuse |
| **Social** | * International manufacturing supply chains (potential for issues such as child labour / poor pay & working conditions / health and safety breaches) * Frequency & timing of deliveries – congestion & noise impacting residents | * Consolidated orders & deliveries (including shared contracts) |
| **Economic** | * Potential duplication of purchases across multiple sites - disconnected orders / multiple delivery charges * Poor inventory management may result in over-ordering of consumables / leftover stock / high storage costs * Waste disposal costs | * Rationalise suppliers & deliveries * Product standardisation * Reduce waste through effective inventory management / redistribute over-orders of consumables internally |

**RELATED PROC HE:** DC / LK / LP / LS