

Examples Aspect – Impact – Biodiversity / Eco Health

Process / Activity	Environmental Aspect	Impact on Biodiversity / Ecosystem Health	Ecosystem / Species Affected	Apply Company own criteria for Significant Aspect	Controls	Improvement Actions
Land development / expansion	Clearing of natural vegetation	Loss of habitat leading to decline in local species population	Terrestrial ecosystems (plants, small mammals, birds)		Environmental Impact Assessment (EIA), restricted land clearing	Develop biodiversity management plan, reforestation
Effluent discharge to nearby water body	Release of treated wastewater	Reduction in aquatic biodiversity, disruption of ecosystem balance	Fish, aquatic plants, micro-organisms		Effluent Treatment Plant (ETP)	Enhance treatment quality, continuous biological monitoring
Air emissions (dust, chemicals)	Deposition of pollutants on vegetation	Damage to plant health affecting food chains and habitat quality	Surrounding plant species and dependent fauna		Air filters, emission controls	Increase greenbelt, reduce emissions at source
Water abstraction	Excessive withdrawal from natural sources	Reduced water availability affecting species survival and ecosystem stability	Wetlands, rivers, amphibians, aquatic life		Water monitoring and recycling	Implement sustainable water use targets, recharge systems
Landscaping / greenbelt development	Introduction of non-native species	Displacement of native species and imbalance in ecosystem structure	Native flora and fauna		Landscaping procedures	Use only native species, periodic biodiversity assessment

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