

## Biodiversity risk assessment with action plan

29/06/2022

## Action plan

Area of influence subject	Source of impact	possible consequences	Gross Risk	Previous, current measures	Net Risk	Action	Deadline
Air	particulate matters, nitrogen oxide, heavy metals	Change of Flora (e. g. lichens) in the immediate environment	very low	Falling below the emission standard from BimschG	very low	Compliance	current
Soil	Hazardous materials to water into the groundwater	Dying of various microorganisms and other creatures depending on type and quantity of the material	low	Avoidance of penetration of hazardous to water materials into the soil by adherence to legal standards regarding protection of water (AwSV).	very low	Current inspections and controls by the environmental protection officer	current
Water	Waste water in the wastewater treatment plant	Materials not cleanable reach the water body, e. g. the Rhine: Damage to water organisms	low	Avoidance of the penetration of hazardous to water materials into the wastewater	very low	Regular inspection of the retention basin to check that it works well including the automatic waste water sampling	current
Waste	Waste water sewage disposal with increased flow of hydrocarbons	Material not cleanable reaching the water body, e. g. the Rhine: Damage to water organisms	low	Avoidance of the penetration of hazardous to water materials into the wastewater, monitoring of discharge limits	very low	Renewal of the emulsion cracking system in order to adhere to the limits.	done
Systems/traffic	Noise	Disturbance for sensitive birds or animal species	moderate	Definition of purchasing specification of systems < 85 dB(A) implementation of special noise protection measures at open sets	very low	Purchase specifications adopted	done
Systems/traffic	Streets	Modification of living space (Amphibians); animals run over, etc.	moderate	Dense plant fence around the whole factory premises.	low	Sponsoring of employees commuting by train and participation in "Singen Radelt"	"Singel Radelt" July 2022
Systems/traffic	CO <sub>2</sub> out of combustion processes	Change of Flora and Fauna due to climate change	high	Energy saving program with quarterly reporting	moderate	Participation in "Singen radelt", Electrical fork lift (less than 8 t) truck purchase specification	déc-22
Roof area	No photovoltaics, no roof greening	Buffer areas not used	high	Assesment of dedicated roofs for photovoltaics, definition of possible projects	high	Evaluation of the project	déc-22
Surface sealing	An area of 50 ha are utilized for the plant	Loss of surface for near to nature biotop and forests	high	Large rain leaching basin existing	low	After checking the Singen Town report "Biotopverbund der Stadt Singen", there are no actions needed	done
Green spaces	Artificialized land that could be greener	Potential not used	low		low	Increase of the number of trees and beds for insects and establishing habitats for birds; contingency actions when trees fell. We are checking if we can turn more surfaces into meadows.	déc-23