

Project 6I - Manufacture of man-made fibres

Comments:

CATEGORY	FACTOR	COMMENTS	
AIR	acrylonitril	carcinogen, hazardous substance, hazardous waste, priority toxic pollutant, human health, aquatic life, reference 3 , 4 , 5	
	ammonia	hazardous substance, aquatic life, human health, water quality, reference 3	
	chlorine	hazardous substance, poison, aquatic life, human health, reference 3	
	ethylene oxide	potential occupational carcinogen, flammable, reference 3	
	heavy metals	reference 2	
	lead		
	hydrogen sulphide	hazardous substance, hazardous waste, flammable gas, poison, human health, aquatic life, reference 3	
	non-methane volatile organic compounds (NMVOC)	greenhouse gases, volatile, flora, reference 1	
	oxides of nitrogen (NOx) / NxO	acid rain, flora, fauna, historical sites, human health, reference 1	
	oxides of sulphur (SOx)		
	other hazardous substances	human health, flora, fauna, soil, water	
	particle emissions	human health, historical sites, soil	
	odour	human health	
	WATER	acrylonitrile	carcinogen, hazardous substance, hazardous waste, priority toxic pollutant, human health, aquatic life, reference 3 , 4 , 5
ammonia		hazardous substance, aquatic life, human health, water quality, reference 3	
chlorine		hazardous substance, poison, aquatic life, human health, reference 3	
heavy metals		reference 2	
hydrogen sulphide		hazardous substance, hazardous waste, flammable gas, poison, human health, aquatic life, reference 3	
resins		soil contamination	
other hazardous substances		human health, aquatic life, water quality	
biological oxygen demand (BOD)		water quality, aquatic life	
chemical oxygen demand (COD)			
dissolved oxygen			
suspended solids			
dissolved solids			
total solids			
temperature			
change in pH			
colour			water quality
odour			
CLIMATE		changes in ambient air temperature	
	particle emissions		
	greenhouse gas emissions	nmVOCs, NOx, NxO, SOx	

CATEGORY	FACTOR	COMMENTS
FLORA	changes in natural vegetation	pollutants, project locations
	disturbance of aquatic habitat	
	disturbance of plant habitat	
	disturbance of natural vegetation	
	decrease in biodiversity	
	impact of threatened species	
	changes in species population	
	changes in aquatic food web	
	changes in mammal food web	
impact on protected areas		
FAUNA	disturbance of wildlife habitat	pollutants, project locations
	decrease in biodiversity	
	impact on threatened species	
	changes in species population	
	impact on threatened area	
	changes in mammal food web	
SOIL	soil acidification	heavy metals, other pollutants
	soil contamination	
LANDSCAPE	land use changes	
	visual aspects	
	physical components	
	impact on sensitive lands	
HISTORICAL MONUMENTS	changes to historical sites	acid rain, soiling, staining
HUMAN HEALTH & SAFETY	changes in ambient noise levels	
	changes in disease incidence	
	risk of spills	
	risk of surface water contamination	
	risk of ground water contamination	
	risk of explosions	
CULTURAL HERITAGE	cultural changes	
	land use changes	
	way of life	
SOCIO-ECONOMIC	changes to well being of life	
	changes to quality of life	
	quality of recreational facilities	
	quantity of recreational facilities	
	present use of natural resources	
	potential use of natural resources	
	employment opportunity	
	economic development - transboundary	

References

1. Proceedings of the EMEP Workshop on Emission Inventory Techniques, Regensburg, Germany, 2-5 July, 1991, EMEP/CCC-Report 1/91
2. Economic Commission for Europe Convention of Long-range Transboundary Air Pollution, Task Force on Heavy Metal Emissions, June 1994
3. Economic Commission for Europe, Convention on the Transboundary Effects of Industrial Accidents
4. Economic Commission for Europe, State of Knowledge Report of the UN ECE Task Force on Persistent Organic Pollutants
5. Recommendations to ECE Governments on the Prevention of Water Pollution from Hazardous Substances