

Project 6C - Manufacture of plastics in primary forms and of synthetic rubber

Comments:

CATEGORY	FACTOR	COMMENTS
AIR	acrylonitrile	carcinogen, hazardous substance, hazardous waste, priority toxic pollutant, human health, fauna, aquatic life, reference 3 , 4 , 5
	ammonia	hazardous substance, aquatic life, human health, water quality, reference 3
	chlorine	hazardous substance, hazardous waste, priority toxic pollutant, human health, reference 3
	ethylene oxide	potential occupational carcinogen, hazardous waste, flammable, human health, reference 3
	heavy metals	reference 2
	methyl isocyanite	potential occupational carcinogen, hazardous waste, human health, reference 3
	non-methane volatile organic compounds (NMVOC)	volatile, greenhouse gases, flora, reference 1
	organic acids	flora, fauna, historical monuments
	persistent organic pollutants	reference 4 & 5
	polychlorinated biphenyl (PCB's)	carcinogen, hazardous material, hazardous waste, constituents, priority toxic pollutant, human health, flora, fauna, soil, water aquatic life
	organotin compounds	reference 5
	tetrabutyltin	priority hazardous substance, aquatic life, human health
	triphenyltin-compounds	
	other hazardous substances	human health, flora, fauna
	particle emissions	climate change, human health, historical sites, soil
	odour	human health
	noise	
WATER	acrylonitrile	carcinogen, hazardous substance, hazardous waste, priority toxic pollutant, human health, fauna, aquatic life, reference 3 , 4 , 5
	ammonia	hazardous substance, aquatic life, human health, water quality, reference 3
	aniline	hazardous substance, hazardous waste, human health
	benzene	carcinogen, hazardous substance, hazardous waste, priority toxic pollutant, human health, aquatic life
	chlorine	volatile, toxic hazardous substance, hazardous waste, priority toxic pollutant, human health, aquatic life, reference 3
	ethylene oxide	potential occupational carcinogen, hazardous waste, flammable, human health, reference 3
	heavy metals	carcinogen, hazardous substance, hazardous waste, aquatic life, human health, reference 2
	hexachloroethane	toxic
	nutrients	aquatic life
	organotin compounds	reference 5
	tetrabutyltin	priority hazardous substance, aquatic life, human health
	triphenyltin-compounds	
	phenolic compounds	hazardous substance, hazardous waste, priority toxic pollutant, aquatic life, human health
	suspended solids	water quality, aquatic life
	total dissolved solids	
	total solids	
	biological oxygen demand (BOD)	

CATEGORY	FACTOR	COMMENTS
	chemical oxygen demand (COD)	water quality, aquatic life
	total organic carbon (TOC)	
	dissolved oxygen	
	temperature	
	change in pH	aquatic life
	colour	landscape
	odour	human health, landscape
CLIMATE	changes in ambient air temperature	
	particle emissions	
	mists	
	greenhouse gas emissions	
FLORA	changes in natural vegetation	pollutants, project location
	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 location
	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, pollutants
	soil contamination	dioxins
LANDSCAPE	land use changes	
	visual aspects	
	physical composition	
	impact on sensitive lands	
HISTORICAL MONUMENTS	changes to historical sites	acid rain
HUMAN HEALTH & SAFETY	changes in ambient noise levels	
	changes in disease incidence	
	increase risk of cancer	
	risk of spills	
	risk of surface water contamination	
	risk of ground water contamination	
	risk of fire	
	risk of explosions	
CULTURAL HERITAGE	cultural changes	
	land use changes	
	way of life	

CATEGORY	FACTOR	COMMENTS
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