Project 6E - Manufacture of paints, varnishes and similar coatings, printing ink and mastics

Comments:

CATEGORY	FACTOR	COMMENTS
AIR	aerosols	ozone
	ammonia	hazardous substance, aquatic life, human health, water quality, reference 3
	heavy metals	reference 2
	lead (Pb)	
	chromium (Cr)	
	zinc (Zn)	
	copper (Cu)	
	hydrogen fluoride	hazardous substance, hazardous waste, human health, reference 3
	hydrogen sulphide	hazardous substance, hazardous waste, human health, aquatic life, reference 3
	persistent organic pollutants	reference 4
	brominated dibenzofurans	priority toxic pollutant, human health, aquatic life, possible carcinogen
	dioxins	
	chlorinated paraffins	
	poly-aromatic hydrocarbons (PAH)	carcinogen, hazardous waste, priority toxic pollutant, human health
	organohalogen compounds	reference 5
	carbon tetrachloride	carcinogen, hazardous substance, hazardous waste, priority toxic pollutant, human health, fauna, aquatic life
	1,2-dichloroethane	carcinogen, hazardous substance, hazardous waste, priority toxic pollutant, human health
	hexachlorobutadiene	carcinogen, hazardous waste, priority toxic pollutant, human health
	polychlorinated biphenyls (PCB's)	carcinogen, hazardous materials, hazardous waste constituents, priority toxic pollutant, human health, fauna, aquatic life
	tetrachloroethylene	carcinogen, hazardous waste, priority toxic pollutant, human health
	1,1,1-trichloroethane	hazardous waste, priority toxic pollutant, human health
	trichloroethylene	carcinogen, hazardous substance, hazardous waste, priority toxic pollutant, human health
	organotin compounds	reference 5
	triphenyltin-compounds	insufficient data
	non-methane volatile organic compounds (VOC)	volatile, flora
	phosgene	hazardous substance, hazardous waste, poison gas, human health, reference 3
	other hazardous substances	
	particle emissions	
	odour	
	noise	

CATEGORY	FACTOR	COMMENTS
WATER	ammonia	hazardous substance, aquatic life, human health, water quality, reference 3
	aniline	hazardous substance, hazardous waste, human health, aquatic life
	benzidine	carcinogen, hazardous waste, priority toxic pollutant, human health, aquatic life
	heavy metals:	reference 2
	lead (Pb)	
	chromium (Cr)	
	zinc (Zn)	
	copper (Cu)	
	hydrogen sulphide	hazardous substance, hazardous waste, human health, aquatic life, reference 3
	nutrients C/N/P	water quality, aquatic life
	organohalogen compounds	reference 5
	carbon tetrachloride	carcinogen, hazardous substance, hazardous waste, priority toxic pollutant, human health, fauna, aquatic life
	dichloroethane	carcinogen, hazardous substance, hazardous waste, priority toxic pollutant, human health, aquatic life
	hexachlorobutadiene	carcinogen, hazardous waste, priority toxic pollutant, human health, aquatic life
	polychlorinated biphenyls (PCB's)	carcinogen, hazardous materials, hazardous waste constituents, priority toxic pollutant, human health, fauna, aquatic life
	tetrachloroethylene	carcinogen, hazardous waste, priority toxic pollutant, human health, aquatic life
	trichloroethane	hazardous waste, priority toxic pollutant, human health, aquatic life
	trichloroethylene	carcinogen, hazardous substance, hazardous waste, priority toxic pollutant, human health, aquatic life
	organotin compounds	reference 5
	triphenyltin compounds	insufficient data, aquatic life
	phenolic compounds	hazardous substance, hazardous waste, priority toxic pollutants, aquatic life, human health
	other hazardous substances	water quality, aquatic life
	biological oxygen demand (BOD)	aquatic life, water quality
	chemical oxygen demand (COD)	
	dissolved oxygen	
	total organic carbon (TOC)	
	suspended solids	
	dissolved solids	
	total solids	
	temperature	aquatic life, change in microclimate
	change in pH	aquatic life
CLIMATE	changes in ambient air temperature	
	particle emissions	
	greenhouse gas emissions	

CATEGORY	FACTOR	COMMENTS
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, other pollutants
	soil contamination	
LANDSCAPE	land use changes	
	visual aspects	
	physical composition	
	impact on sensitive lands	
HISTORICAL MONUMENTS	changes to historical sites	acid rain pollution
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