

Project 15 - Offshore hydrocarbon production

Comments:

CATEGORY	FACTOR	COMMENTS
AIR	carbon monoxide (CO)	greenhouse gas, reference 1
	heavy metals:	reference 2
	lead (Pb)	
	methane (CH ₄)	greenhouse gases, volatile, reference 1
	non-methane volatile organic compounds (NMVOC)	
	oxides of nitrogen (NO _x) / NxO	acid rain, flora, fauna, human health, historical sites, reference 1
	oxides of sulphur (SO _x)	
	persistent organic pollutants	reference 4
	poly-aromatic hydrocarbons (PAH)	carcinogenic, hazardous waste, priority toxic pollutant, human health, flora, fauna, aquatic life
	photochemical oxidants	ozone, climate change
	other hazardous substances	
	particle emissions	human health, historical sites
	oil vapour	human health, aquatic life
	odour	human health
noise		
WATER	oil products	water quality, aquatic life
	heavy metals:	water quality, aquatic life, reference 2
	lead (Pb)	
	salinity	water quality, aquatic life
	sulphide	aquatic life, water quality
) temperature	water quality, aquatic life
	chemical oxygen demand (COD)	
	total organic carbon (TOC)	
	debris	
	turbulence	
CLIMATE	changes in ambient air temperature	
	particle emissions	
	greenhouse gas emissions	CO, CH ₄ , NO _x , NxO, SO _x , NMVOC
FLORA	disturbance of aquatic habitat	barges, oil rigs
	decrease in biodiversity	oil, disturbance of habitat
	impact of threatened species	
	changes in species population	
	changes in aquatic food web	
	impact on protected areas	
FAUNA	migratory changes - birds	
	migratory changes - fish	
	decrease in biodiversity	
	impact on threatened species	
	changes in species population	
	impact on threatened area	
LANDSCAPE	land use changes	
	visual aspects	
	physical composition	
HISTORICAL MONUMENTS	historical sites	acid rain, soiling
HUMAN HEALTH & SAFETY	changes in disease incidence	
	risk of spills	
	risk of surface water contamination	
	risk of explosions	

CATEGORY	FACTOR	COMMENTS
CULTURAL HERITAGE	way of life	
	special waters	Eskimos, northern wildlife
SOCIO- ECONOMIC	changes to well being of life	
	changes to quality of life	
	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