

### Project 3 - Installation for the production or enrichment of nuclear fuels, the reprocessing of irradiated nuclear fuels or the storage, disposal and processing of radioactive waste

Comments:

CATEGORY	FACTOR	COMMENTS
AIR	heavy metals:	reference <a href="#">2</a>
	cadmium (Cd)	toxic pollutant, hazardous substance, human health, aquatic life
	beryllium (Be)	carcinogen, hazardous substance, priority toxic pollutant, soil, flora, fauna, human health
	radioactive isotopes radioactive actinides	human health, fauna
WATER	heavy oxygen	water quality, aquatic life
	heavy metals:	reference <a href="#">2</a>
	cadmium (Cd)	toxic pollutant, hazardous substance, human health and aquatic life
	beryllium (Be)	carcinogen, hazardous substance, priority toxic pollutant, soil, flora, fauna, human health
	iodine radioactive isotopes	human health, aquatic life, water quality
	temperature change	water quality, aquatic life, climate
CLIMATE	changes in ambient air temperature	
	changes in surface water temperature	
	mists	
	changes in humidity	
FLORA	changes in natural vegetation	project location, emissions
	disturbance of aquatic habitat	temperature change, emissions
	disturbance of plant habitat	emissions
	disturbance of natural vegetation	
	decrease in biodiversity	
	impact of threatened species	
	changes in species population	
	changes in aquatic food web	emissions, changes to water temperature
	changes in mammal food web	emissions
impact on protected areas	emissions, project location	
FAUNA	disturbance of wildlife habitat	project location
	decrease in biodiversity	emissions
	impact on threatened species	
	changes in species population	
	impact on threatened area	
	changes in mammal food web	
SOIL	contamination	radio-active isotopes
	erosion	project location
LANDSCAPE	land use changes	
	visual aspects	
	physical composition	
	impact on sensitive lands	
HISTORICAL MONUMENTS	palaeontological sites	project location

<b>CATEGORY</b>	<b>FACTOR</b>	<b>COMMENTS</b>
<b>HUMAN HEALTH &amp; SAFETY</b>	changes in disease incidence	emissions
	risk of surface water contamination	
	risk of ground water contamination	
	risk of nuclear accidents	
<b>CULTURAL HERITAGE</b>	risk of explosions	
	cultural changes	
	way of life	
<b>SOCIO- ECONOMIC</b>	acceptance of "nuclear" material	
	changes to well being of life	
	changes to quality of life	
	present use of natural resources	
	potential use of natural resources	
	employment opportunity	
	economic development - transboundary	
	"not in my backyard" syndrome	
risk of terrorist activities		

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