



Demonstrate an Understanding of Occupational Health, Safety and Environmental Legislation

Handout 8

Activities That Require an Environmental Impact Analysis

Projects / activities which are subjected to an EIA as specified include:

<p>1. General: –</p> <ul style="list-style-type: none"> a) an activity out of character with its surrounding; b) any structure of a scale not in keeping with its surrounding; c) major changes in land use 	<p>7. Forestry related activities including –</p> <ul style="list-style-type: none"> a) timber harvesting; b) clearance of forest areas; c) reforestation and afforestation
<p>2. Urban Development including:-</p> <ul style="list-style-type: none"> a) designation of new townships; b) establishment of industrial estates; c) establishment or expansion of recreational areas; d) establishment or expansion of recreational townships in mountain areas, national parks and game reserves; e) shopping centres and complexes 	<p>8. Agriculture including –</p> <ul style="list-style-type: none"> a) large-scale agriculture; b) use of pesticide; c) introduction of new crops and animals; d) use of fertilizers; e) irrigation
<p>3. Transportation including –</p> <ul style="list-style-type: none"> a) all major roads; b) all roads in scenic, wooded or mountainous areas and wetlands; c) railway lines; d) airports and airfields; e) oil and gas pipelines; f) water transport 	<p>9. Processing and manufacturing industries including:-</p> <ul style="list-style-type: none"> a) Chemical discharge mineral processing, reduction of ores and minerals; b) smelting and refining of ores and minerals; c) foundries; d) brick and earth ware manufacture; e) cement works and lime processing; f) glass works; g) fertilizer manufacture or processing; h) explosive plants; i) oil refineries and petro-chemical works; j) tanning and dressing of hides and skins; k) abattoirs and meat-processing plants; l) chemical works and process plants; m) brewing and malting; n) bulk grain processing plants; o) fish-processing plants; p) pulp and paper mills; q) food-processing plants r) plants for the manufacture or assembly of motor vehicles; s) plants for the construction or repair of aircraft or railway equipment; t) plants for the manufacture of tanks, reservoirs and sheet-metal containers; u) plants for the manufacture of coal briquettes; v) plant for manufacturing batteries;
<p>4. Dams, rivers and water resources including –</p> <ul style="list-style-type: none"> a) storage dams, barrages and piers; 	<p>Electrical infrastructure</p> <p>10. Electrical infrastructure including –</p>

<ul style="list-style-type: none"> b) river diversions and water transfer between catchments; c) flood control schemes; d) drilling for the purpose of utilising ground water resources including geothermal energy. 	<ul style="list-style-type: none"> a) electricity generation stations; b) electrical transmission lines; c) electrical sub-stations; d) pumped-storage schemes.
<p>5. Aerial spraying.</p>	<p>11. Management of hydrocarbons including: -the storage of natural gas and combustible or explosive fuels.</p>
<p>6. Mining, including quarrying and open-cast extraction of –</p> <ul style="list-style-type: none"> a) precious metals; b) gemstones; c) metalliferous ores; d) coal; e) phosphates; f) limestone and dolomite; g) stone and slate; h) aggregates, sand and gravel; i) clay; j) exploitation for the production of petroleum in any form; k) extracting alluvial gold with use of mercury. 	<p>12. Waste disposal including –</p> <ul style="list-style-type: none"> a) sites for hazardous waste disposal; b) sewage disposal works; c) works involving major atmospheric emissions; d) works emitting offensive odours; e) sites for solid waste disposal
	<p>13. Natural conservation areas including –</p> <ul style="list-style-type: none"> a) creation of national parks, game reserves and buffer zones; b) establishment of wilderness areas; c) formulation or modification of forest management policies; d) formulation or modification of water catchment management policies; e) policies for the management of ecosystems, especially by use of fire; f) commercial exploitation of natural fauna and flora; g) Introduction of alien species of fauna and flora into ecosystems.
	<p>14. Nuclear Reactors.</p>
	<p>15. Major developments in biotechnology including the introduction and testing of genetically modified organisms.</p>