

Classified Directory for Environmental Protection Management of Construction Projects (Batch 1)

(Revised by the State Environmental Protection Administration on February 17, 2001)

The Classified Directory is formulated for the purpose of implementing Environmental "Regulations on the Management of Construction Projects" issued by the State Council, exercising classified management of environmental protection of construction projects, improving the validity of environmental impact assessment.

1. The classified management of environmental protection of construction projects shall be implemented in accordance with the degree of the impact of the construction projects on the environment and in line with the following provisions:

(1) The environmental impact report shall be prepared for the construction project that may cause serious impact on the environment and the pollution generated by the construction project and its impact on the environment shall be assessed in an overall and detailed way.

(2) If a construction project causes light impact on the environment, the environmental impact statement shall be prepared. The pollution generated by the construction project and its impact on the environment shall be analysed or assessed for special items.

(3) If the construction project causes little impact on the environment and it is unnecessary to have an assessment on the environment, the environmental impact registration shall be filled in.

2. The principle for defining the degrees of serious impact, light impact and little impact of the construction project:

(1) The principle for defining the serious impact of the construction project on the environment-

The construction project that may cause serious impact on the environment means the project that meets any of the following conditions:

a) All regional development projects of river basins development, construction of the development zones construction of the new urban areas and renovation of old urban areas, etc.

b) The large and medium-sized construction projects that may cause impact on the sensitive areas of the environment.

c) The construction projects with complicated pollution factors, many varieties of pollutants and a considerable amount of pollution or a high toxicity of the pollutants, the toxicity can hardly be reduced.

d) The projects that may cause a major change to the ecological system structure or a major loss to the functions of the ecological environment.

e) The construction projects that may affect the important ecological environment, the fragile ecological environment, or may cause or accelerate natural disasters.

f) The construction projects that are likely to cause trans-boundary pollution disputes.

(2) The principle for defining the construction projects that may cause light impact-

The construction project that may cause light impact on the environment means the project that meets any of the following conditions:

a) The small construction projects that may cause impact on the environmentally sensitive areas.

b) The construction projects that have simple pollution factors, only a few varieties of pollutants or that generate a small amount of toxicity and low toxicity of the pollutants.

c) The construction projects that have a certain impact on the ecological conditions of topography, landforms, coverage, rare wild animals and plants, but will not change the ecological environmental

structure and functions.

d) The large construction projects that have few pollution factors and will not generate pollution in principle.

e) The technological transformation projects whose pollution discharge has been reduced on the premise and whose new and old pollution sources have attained the discharge standards.

(3) The principle for defining the construction projects with little impact on the environment-

The construction projects that have little impact on the environment mean those projects that shall meet the following requirements:

a) The construction projects that basically do not generate waste water, waste gas, waste dregs, dust, offensive odour, noise, vibration, radioactivity, electromagnetic wave and other negative influences for the environment.

b) The construction projects that basically do not change topography, landforms, hydrology, coverage, rare wild animals and plants and will not change the ecological environment and functions.

c) The small-sized construction projects that do not cause impact on the environmentally sensitive areas.

d) The tertiary industrial projects without special environmental impact.

3. The principle for defining the environmentally sensitive areas

The environmentally sensitive areas in the classified management directory include the following areas:

(1) The protection areas that require special protection: it refers to special protection areas specified by the laws and regulations of the state and local authorities or designated by the people's governments at and above the county level, such as water source protection areas, places of historical interest and scenic beauty, nature reserves, forest parks, major cultural relics protection areas, historical and cultural protection areas, major prevention and control areas of water erosion and the capital farmland areas.

(2) Ecologically sensitive and fragile areas: it means areas that require major control and supervision for soil erosion, natural wetland, habitats of rare animals and plants or special ecological environment, natural forests, equatorial rain forests, mangroves, coral reef, spawning places, fishing grounds, and other important ecological system.

(3) Areas that attracts social attention: Refers to cultural and educational areas, convalescence areas and areas for hospitals, as well as protection areas with the historic, scientific, national and cultural significance.

(4) Areas where the environmental quality has failed to attain the targets for environmental function zones.

4. Supplementary Provisions

(1) The construction projects which have not been listed in it for the time being shall be classified managed in accordance with the principle above mentioned.

(2) Construction projects that are forbidden by official order of the state for construction and investment and that are listed in the "Catalogue of Backward Production Capacity, Technology and Products to be phased out" and the "Catalogue for Banning Investment in the Industrial and Commercial Sectors" promulgated by the State Economic and Trade Commission shall not be listed in this Classified Management Directory.

(3) The State Environmental Protection Administration is responsible for the interpretation on this Classified Directory for Environmental Protection Management of Construction Projects.

Appendix Table:

Classified Directory for Environmental Protection Management
of Construction Projects (Batch 1)

Project Category		May cause serious impact on the environment (for the preparation of the Environmental Impact Report)	May cause light impact on the environment (for the preparation of the Environmental Impact Statement Form)	May cause serious impact on the environment (for the preparation of the Environmental Impact Registration Form)
Regional development	River basins development (including river basin planning and small river basin control), coastal zones development, reclaim land from lake	whole	/	/
	Development zones	An area of 4 square km and above	An area of less than 4 square km	/
	Trade zone at border	/	whole	/
Radioactive facilities	Nuclear facilities, radioactive test appliance, radio active appliance, prospecting and smelting of uranium mine, processing of nuclear fuels and production of radionuclide, treatment and disposal of radioactive wastes, retirement of open radioactive working site, manufacturing of accelerators, treatment of major leakage accidents of radioactive substances	whole	/	/
Agriculture, forest, livestock and fishery	Agriculture	Agriculture cultivation	/	whole
		Comprehensive development	Project on sensitive area	Project on non-sensitive area
		Reclaim wasteland	Stretch 1,000 mu and above on the sensitive area; stretch 2,000 mu and above on the non-sensitive area	Stretch less than 1,000 mu on the sensitive area; stretch less than 2,000 mu on the non-sensitive area
	Forest	Forest cultivation	Stretch 20,000 mu and above	Stretch less than 20,000 mu
		Forest harvesting and transport	An annual output of 10,000 cubic m and above	An annual output of less than 10,000 cubic m
	Livestock	Domestic animal breeding	/	whole
		Cattle breeding	/	whole
		other	/	whole
	Fishery	Fish in offshore and freshwater	/	Whole
		Freshwater cultivation	/	An area of 1,000 mu and above

Continued

Project Category			May cause serious impact on the environment (for the preparation of the Environmental Impact Report)	May cause light impact on the environment (for the preparation of the Environmental Impact Statement Form)	May cause serious impact on the environment (for the preparation of the Environmental Impact Registration Form)
		Seawater cultivation	An area of 200 mu and above in high-level pool; 1,000 mu and above in low-level pool; 2,000 mu and above in close sea area such as inner gulf and lagoon; 5,000 mu and above in open offshore area	An area of less than 200 mu in high-level pool; less than 1,000 mu in low-level pool; less than 2,000 mu in close sea area such as inner gulf and lagoon; less than 5,000 mu in open off-shore area	/
	Extend application on transgenic technology, introduce species		whole	/	/
Excavation	Open mining		Large- and medium- scale	Small-scale	/
	Mining of petroleum and natural gas		An annual output of 200,000 tons and above petroleum or natural gas equivalent; an annual output of less than 200,000 tons petroleum or natural gas equivalent in sensitive area	an annual output of less than 200,000 tons petroleum or natural gas equivalent in non-sensitive area	/
	Coal bed gas		whole	/	/
	Mining and milling of coal	Coal mines	whole	/	/
		Independent pits	An annual output of 300,000 tons and above	An annual output of less than 300,000 tons	/
		Milling mills	Medium- and small- scale	Large-scale and automatic	/
	Mining and milling of ferrous and nonferrous metals		whole	/	/
	Non-metals	Mining and milling of vein deposit and chemical ores	An annual output of 100,000 tons ores and above	An annual output of less than 100,000 tons ores	/
		Lake salt and well salt	/	Whole	/
		Sea salt and ore salt	/	whole	/
		Mining and milling of asbestos and mica	An annual output of 1,000 tons and above	An annual output of less than 1,000 tons	/
		Mining and milling of graphite	An annual output of 100,000 tons and above	An annual output of less than 100,000 tons	/
		Sand and stone	An annual output of 300,000 tons and above	An annual output of less than 300,000 tons	/
		limestone	An annual output of 100,000 tons and above	An annual output of less than 100,000 tons	/

Continued

Project Category			May cause serious impact on the environment (for the preparation of the Environmental Impact Report)	May cause light impact on the environment (for the preparation of the Environmental Impact Statement Form)	May cause serious impact on the environment (for the preparation of the Environmental Impact Registration Form)
Manufacture	Food processing	Processing of grain and forage	An annual output of 50,000 tons and above	An annual output of less than 50,000 tons	/
		Processing of plant oil	An annual output of 1,000 tons and above	An annual output of less than 1,000 tons	/
		Refine Sugar	whole	/	/
		Slaughter and processing meat and egg	slaughter	An annual output of 100,000 head and above	An annual output of less than 100,000 head
			Meal processing	/	Whole
			Egg processing	/	/
					whole
		Aquatic product processing	An annual output of 10,000 tons and above	An annual output of less than 10,000 tons	/
		Salt processing	/	whole	/
	Food production	Production of glutamate, citric acid and amino acid	whole	/	/
		Production of starch and its products	whole	/	/
		Production of alcohol, liquor and beverage from fruit and vegetable	whole	/	/
		Other soft beverage	/	An annual output of and above 5,000 tons	An annual output of less than 5,000 tons
	Processing tobacco	cigarette	An annual output of 300,000 cases and above	An annual output of less than 300,000 cases	/
		Baking leaves	Whole	/	/
		Baking with stalk	whole	/	/
	Textile	Including dyeing, bleach, scouring, dyeing and finishing, degum and silk projects with silkworm chrysalis refining waste water	whole	/	/
		Others	/	whole	/
		Production of clothing and other fibre products	/	whole	/
	Leather, fur and feather products	Tan and fur tanning	whole	/	/
		Processing feather, products of leather, fur and feather	/	whole	/

Continued

Project Category		May cause serious impact on the environment (for the preparation of the Environmental Impact Report)	May cause light impact on the environment (for the preparation of the Environmental Impact Statement Form)	May cause serious impact on the environment (for the preparation of the Environmental Impact Registration Form)
	Converted timber wood chip processing, furniture production	/	whole	/
	Timber, bamboo, rattan palm, grass processing	/	whole	/
	Papermaking and its products	Pulp production and papermaking	whole	/
		Paper products	/	whole
	Printing, production of products of culture and education, sports, products of magnetic materials		/	whole
	Petroleum processing and coking	Petroleum processing, petroleum coking and petroleum products	All project, except separate appliance	Separate appliance
	Chemical raw material and production of chemical products	Production of basic chemical raw material, chemical fertilizer, chemical pesticide, organic chemical raw material, organic chemical products, synthetic materials, special chemical products, daily chemical products, synthetic resin and its polymer material, biochemical and photosensitive material	whole	/
	Medicine production	Production of chemical drug, processing Chinese medicine, biological products	All (except load and re-dosage only)	Load and re-dosage only
	Production of chemical fibre	Production of cellulose and synthetic fibre	whole	/
	chemical fibre	Production of fishing tackle and its materials	/	whole
	Rubber products	Processing natural rubber, recycle and turn rubber products, production of tyre	whole	/

Continued

Project Category			May cause serious impact on the environment (for the preparation of the Environmental Impact Report)	May cause light impact on the environment (for the preparation of the Environmental Impact Statement Form)	May cause serious impact on the environment (for the preparation of the Environmental Impact Registration Form)
	Plastic products	Production of foamed plastic, artificial leather and synthetic leather	whole	/	/
		Other plastic products	/	whole	/
	Non-metal products	Production of cement, lime, glass, graphite and carbon products, brick and tegula, and light construction materials	whole	/	/
		glass, ceramics, asbestos products, fire materials as asbestos and mica, ores fibre and its products	whole	/	/
		Products of cement and mica	/	/	Whole
	Ferrous metal smelting and flattening processing	Iron smelting, fritting and palletising, steelmaking, iron and steel complex, iron alloy smelting, coking	whole	/	/
		Steel flattening		whole	/
		Steel rolling	whole	/	/
	Non-ferrous metal smelting and flattening	Non-ferrous metal smelting, non-ferrous alloy	whole	/	/
		Non-ferrous metal flattening		whole	/
	Metal products	Production of foundry iron products	An annual output of 100,000 tons and above	An annual output of less than 100,000 tons	/
		Surface treatment	whole	/	/
		Thermal treatment	/	whole	/
	Machine manufacture	manufacture of ordinary machine, special equipment, communication and transportation equipment, weapon and ammunition, electric machine and equipment, electronic and communication equipment, instrument and meter, machine for culture and office	whole	/	/

Continued

Project Category			May cause serious impact on the environment (for the preparation of the Environmental Impact Report)	May cause light impact on the environment (for the preparation of the Environmental Impact Statement Form)	May cause serious impact on the environment (for the preparation of the Environmental Impact Registration Form)
		Other machine manufacture, ordinary machine maintain	/	whole	/
	Artificial board production		An annual output of 200,000 cubic m and above (dry production techniques) Whole (wet production techniques)	An annual output of less than 200,000 cubic m (dry production techniques)	/
Production and supply of power, coal gas, water	Production and supply of power, thermal steam and hot water	Power production	Thermal power (fuel, coal, gas), hydropower, pump water for energy, nuclear power and nuclear heat supply, rubbish power	whole	/
			Wind power, geothermal power, tidal power	Sensitive area	Non-sensitive area
		Transmission and transformer of electricity projects and power supply		220 kV and above	Less than 220 kV
		Production and supply of thermal steam and hot water		Boiler with a total storage of 65 tons/h and above; boiler with a total storage of 30-65 tons/h in sensitive area	Boiler with a total storage of less than 65 tons/h in non-sensitive area
		Production and supply of coal gas		whole	/
	Production and supply of natural gas and coal gas	Production and supply of natural gas		Supply area of 10 square km and above	Supply area of less than 10 square km
		Production and supply of tap water		Output of 100,000 tons/day and above, with project for drawing water	Output of less than 100,000 tons/day
Urban construction	Traffic installations	Urban roads		10 km and above; 3-10 km in sensitive area	Less than 10 km in non-sensitive area
		Subway and rail transport, and overpass and bridge		whole	/
	Renovation of old urban area, construction of new urban area, renovation of river course in urban area, centralized burying, composting and burning of solid wastes		whole	/	/

Continued

Project Category		May cause serious impact on the environment (for the preparation of the Environmental Impact Report)	May cause light impact on the environment (for the preparation of the Environmental Impact Statement Form)	May cause serious impact on the environment (for the preparation of the Environmental Impact Registration Form)
	Urban centralized sewage treatment	50,000 tons/day and above	Less than 50,000 tons/day	/
	Urban centralized supply of thermal and gas, treatment of urban droppings		whole	/
Geological prospecting, water conservancy management	Geological prospecting	Single-well prospecting	/	Projects in non-sensitive area
		Regional investigation and prospecting	Projects in sensitive area	Projects in non-sensitive area
	Water conservancy project	Reservoir	A capacity of 30 million cubic m and above; the inundated area of 5 square km and above; a capacity of 10-30 million cubic m in sensitive area; the inundated area of 5 square km in sensitive area; underground reservoir	A capacity of less than 30 million cubic m and the inundated area less than 5 square km in non-sensitive area
		Irrigation	An area of 100,000 mu and above, an area of less than 100,000 in sensitive area	An area of less than 100,000 mu in non-sensitive area
		Drawing water	An annual capacity of 10 million cubic m and above, an annual capacity of less than 10 million cubic m in sensitive area	An annual capacity of less than 10 million cubic m in non-sensitive area
		Dike	An area of protected farmland of 1 million mu and above; population of protected towners of 200,000 and above	An area of protected farmland of less than 1 million mu and population of protected towners of less than 200,000
		Small water conservancy works	/	/
				Whole
Communication and transport, storage, telecommunication	Highway		Grade II and III of 100 km and above; grade I and express of 50 km and above; grade III and II of less than 100 km in sensitive area; grade I or express of less than 50 km in sensitive area	Grade III or II of less than 100 km in non-sensitive area; grade I or express of less than 50 km in non-sensitive area
	Railway		whole	/
	Civil aviation project	Airport projects, oil supply projects, maintain projects	whole	/

Continued

Project Category			May cause serious impact on the environment (for the preparation of the Environmental Impact Report)	May cause light impact on the environment (for the preparation of the Environmental Impact Statement Form)	May cause serious impact on the environment (for the preparation of the Environmental Impact Registration Form)
	Harbour and docks	Comprehensive harbour area, petrochemical transport docks or hazardous substance docks	whole	/	/
		Cargo docks	An annual loading capacity of 500,000 tons and above; an annual loading capacity of less than 500,000 in sensitive area	An annual loading capacity of less than 500,000 tons in non-sensitive area	/
		Multipurpose docks and container docks	An annual loading capacity of 500,000 tons and above	An annual loading capacity of less than 500,000 tons	/
		Passenger transport docks	whole	/	/
	Bridges projects (including bridge approach and tie)		A length of 1000 m and above; less than 1000 m in sensitive area	A length of less than 1000 m in non-sensitive area	/
	Marine construction project	Mining of petroleum and natural gas from ocean	whole	/	/
		Laying of sub-marine tunnel and cable	A length of 50 km and above	A length of less than 50 km	/
	Reclaim land from the sea		whole	/	/
	Mole works		Sensitive area	Non-sensitive area	/
	Pipe transport		A length of 100 km and above; a length of less than 100 km in sensitive area	A length of less than 100 km in non-sensitive area	/
	Dredge channel, auxiliary project for water transport		A cubage of excavation of 15 million cubic m and above; a cubage of excavation of 2-15 million cubic m in sensitive area	A cubage of excavation of less than 15 million cubic m in non-sensitive area	/
	A hub of water transport		whole	/	/
	Storage	Toxic, injurious and hazardous substance	whole	/	/
		Ordinary goods (including grain)	/	whole	/
	Separate ship, imported waste		whole	/	/
	Tele-communication	Ground satellite station	Several equipment in a station	One equipment in a station	/
		Radar	Several system	One system	/
		Wireless communication	Several system, including several site	One system	

Continued

Project Category		May cause serious impact on the environment (for the preparation of the Environmental Impact Report)	May cause light impact on the environment (for the preparation of the Environmental Impact Statement Form)	May cause serious impact on the environment (for the preparation of the Environmental Impact Registration Form)	
Wholesale and retail sale, catering	Wholesale and retail sale	/	Covers an area of 5,000 square m and above	Covers an area of less than 5,000 square m	
	Catering	/	A business area of 100 square m and above in non-sensitive area; a business area of less than 100 square m in sensitive area	a business area of less than 100 square m in non-sensitive area	
Real estate development		A construction area of 50,000 square m and above	A construction area of 5,000-50,000 square m	A construction area of less than 5,000 square m	
Society service	Public facilities	Parking lot	A capacity of 2,000 and above	A capacity of 100-2,000	A capacity of less than 100
		Urban gardens and urban afforestation	An area of 1 million square m and above	An area of 100,000-1 million square m	An area of less than 100,00 square m
	Service for residents	Cleaners and dyers, bath, gas station	/	whole	/
		Funeral home, crematorium	/	whole	/
		School	/	With a student's roll of 1,500 and above	With a student's roll less than 1,500
		Car-wash, process shop and others	/	/	whole
	Hotel, office building		A construction area of 500,000 square m and above	A construction area of 5,000-500,000 square m	A construction area of less than 5,000 square m
	Development of tourism landscape, construction of cable car and cableway		whole	/	/
	Entertainment service		/	whole	/
	Large-scale international fair, exhibition		While construction of space and building are necessary	/	/
	Museum, exhibition hall		Covers an area of 20,000 square m and above	Covers an area of less than 200,000	/
	Theatre, concert hall		/	A capacity of 1,000 and above	A capacity of less than 1,000

Continued

Project Category			May cause serious impact on the environment (for the preparation of the Environmental Impact Report)	May cause light impact on the environment (for the preparation of the Environmental Impact Statement Form)	May cause serious impact on the environment (for the preparation of the Environmental Impact Registration Form)
Public health, physical culture	Public health	Hospital	A capacity of 500 beds and above	A capacity of less than 500 beds	/
		Sanatorium	A capacity of 700 beds and above	A capacity of less than 700 beds	/
		Specialized prevention and cure station	A capacity of 200 beds and above	A capacity of less than 200 beds	/
		Clinic	/	/	whole
	Physical culture	Stadium	A capacity of 50,000 and above	A capacity of less than 50,000	/
		Gymnasium	A capacity of 10,000 and above	A capacity of less than 10,000	/
		Comprehensive sports meeting	While construction of space and building are necessary	/	/
		Golf course	whole	/	/
Broadcast, film, television	Broadcasting station, relay station, television tower		whole	/	/
	Film	Base for film and television, film processing	whole	/	/