



Technical Guideline

Number 4

Guidelines for Preparation of Environmental Impact Statements for New Industrial Premises

Background: The design and construction of new industrial facilities plays a large part in their final environmental and safety program.

It is a requirement for all new industrial facilities to submit an Environmental impact Report before gaining municipality approval.

This will ensure that the requirements of Local Order 61/1991 The Environmental Protection regulations in the Emirate of Dubai are complied with.

Guidelines:

- 1. Small projects may submit only the information highlighted by ****
- 2. All major projects must submit an Environmental Impact Statement containing all information given below.***

2.1. General Requirements

- * a. Nature of the activity conducted by the Company or Person.
- * b. Detailed process description including all materials used in the process.
- * c. Site plan showing all buildings, drains, discharge points to air, water or land and storage areas for dangerous goods.
- d. Proposed production rate.
- e. Engineering drawings of the plant or process equipment including pollution control equipment.
- f. Process flow diagrams.

2.2. Air Emissions

- * a. A description of the types of waste produced from each point of discharge and their emission rate.
- * b. The rate and type of fuel used in all fuel fired equipment.

- * c. The height of all chimneys.
- * d. The diameter and discharge velocity of all chimneys.
- * e. Details of proposed emission control devices.
- f. Calculated ground level concentrations for significant emissions.

2.3. *Water Discharges*

- * a. Expected generation rate of waste water.
- * b. Proposed means of waste water disposal.
- * c. Full analysis of expected quality of the waste water.
- * d. Proposed treatment processes for waste water if needed.
- e. Design details and drawings of any treatment plants.
- f. Details of any land areas or ponds used for the storage disposal of waste water including size, location, soil type, depth to ground water, pond construction and location of surrounding residences.

2.4. *Solid Waste Discharges*

- * a. The quantities of any wastes requiring off-site disposal.
- * b. The analysis of any hazardous wastes in the above category.
- c. The proposed disposal/treatment sites of all wastes for off-site disposal.
- d. Details of steps taken by the occupier to minimize the generation of waste (i.e., hazardous waste).

2.5. *Chemicals and Dangerous Goods*

- * a. A list of all chemicals and dangerous goods used at the premises.
- b. Material Safety Data Sheets for each material mentioned above.

- c. Details of dangerous goods storage areas.
- d. Fire safety precautions for flammable goods stores.
- e. Bunding details for tanks and storages.

2.6. *Safety and Health*

- * a. Proposed number of workers at the site.
- * b. Details of first aid, fire fighting, ventilation and safety procedures to be employed.
- c. Proposed methods to be employed in the handling and use of any hazardous materials.
- d. Details of any jobs which require:
 - i. the use of hazardous materials.
 - ii. working more than 3 m above ground level.
 - iii. lifting more than 40 kg.
 - iv. the use of welding or cutting equipment
 - v. work in confined spaces.
- e. Proposed personal protective equipment
- f. Expected factory noise levels (internal).

2.7. *Construction Issues*

- a. Detail proposed constructions schedule.
- b. Detail major operations to be undertaken during construction.
- c. Detail proposed safety and health plan for construction phase.
- d. Indicate how waste disposal issues for workforce will be addressed.

2.8. *Emergency Contingency Planning*

- a. List activities which may cause significant environmental or safety concerns.
- b. Detail risk minimization strategies and precautions.

- c. Detail contingency plans in the event of environmental or safety incidents.

FURTHER INFORMATION IS AVAILABLE FROM:

ENVIRONMENT PROTECTION & SAFETY SECTION

☎ 2064244/2064245 FAX: 2270160



**APPLICATION FOR ENVIRONMENT PROTECTION
AND SAFETY APPROVAL**

Instructions:

This form is to be completed and submitted along with all relevant plans and the information contained in EPSS Technical Guideline Number 4, to obtain approval for a new or substantially modified industrial premises. For guidance on whether a plant modification is covered by these requirements consult the Environmental Protection and Safety Section Tel.: 2064244/2064241 Fax.: 2270160.

Application details:

Applicant Name : _____

Address : P.O. Box: _____

Telephone / Fax : Tel.: _____ Fax: _____

Licence Number (if granted) : _____

Site Location : _____

Name of Manager/Occupier : _____

Name of Business/Company : _____

Nature of Business/Activity : _____

Capital Cost : _____

Reason for this Application : _____

Date : _____

Signed: _____ Occupier