

Local Order No. 59 of 1991

Issued on 6/7/1991

Concerning the General Conditions to Be Fulfilled by

Chemical Fertilizer Warehouses and Organic Fertilizer Plants in the Emirate of Dubai

We, Hamdan Bin Rashid Al Maktoum, Chairman of Dubai Municipality

- Upon review of the powers vested in us by law pursuant to the Decree Establishing Dubai Municipality;
- The Building Regulations of Dubai Municipality; and
- Local Order No. 40 of 1989 Concerning the Conditions to be Fulfilled by Imported or Locally Produced Organic Fertilizers

We the Chairman of the Municipality hereby issue the following Local Order:

Article (1):

This Order shall be called (Local Order Concerning the General Conditions to Be Fulfilled by Chemical Fertilizer Warehouses and Organic Fertilizer Plants in the Emirate of Dubai).

Article (2):

In applying the provisions of this Order the following words and terms shall have the meanings set forth against hem respectively:

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| 1. | Emirate: | The Emirate of Dubai |
| 2. | Chairman: | The Chairman of Dubai Municipality |
| 3. | Municipality: | Dubai Municipality |
| 4. | Director: | The Director of Dubai Municipality |

Article (3):

Warehouses of chemical fertilizers shall fulfill the following conditions and specifications:

1. To leave not less than a two meter void space from two sides at least at the location of each warehouse with capacity allowing storage of not more than fifty tons of fertilizer. In case of capacity exceeding fifty tons and up to four hundred tons, the void space shall be not less than two meters on each side of the warehouse. For warehouses with capacity exceeding four

hundred tons, the width of the void space shall not exceed five meters, with fencing the land surrounding the site of each warehouse with a wall that is not less than two meters in height. Void space includes the streets on which the warehouses are located.

2. The warehouse shall not be higher than any buildings or facilities of any type and may consist of more than one floor provided that the buildings and ceilings shall be made of fire resistant materials.
3.
 - a. The warehouse shall consist of construction such that the thickness of the wall shall not be less than 20 cm. The warehouse may be made of sturdy ribbed steel, steel angles and beams on concrete or construction platform of not less than fifty centimeters in height. The ceiling shall be fire resistant and the floor shall be made of asphalt, concrete or any other solid smooth material.
 - b. If the warehouse is located in functions store or similar store, the ceilings shall be made of concrete or steel truss based on steel beams and angles. The warehouse location shall be separated from the store by constructed wall of not less than two meters in height. The wall distance from the warehouse external walls shall not be less than five meters. The warehouse shall have independent door opening to the street directly.
4. The height of the lower part of the wall edges from the internal side shall be not less than one meter from the floor level, where the warehouse is constructed of block.
5. The doors shall be made of steel or iron and shall be sealed. The doors shall be with outside orientation and shall be sliding vertically or horizontally.
6. The warehouse shall not have windows at all. It shall have sufficient ventilation openings closure to the ceiling with not more than quarter meter area each. The openings shall be well covered from the internal side by thin fine holed sturdy wire net supported by steel beams from the external side.

The area of the openings may be disregarded if they were located in the ceilings or in the upper floors.

Article (4):

In the case of storage of ammonium nitrate with moiré than 27% Zvt, in addition to the foregoing conditions the warehouse shall fulfill the following conditions:

- a. The warehouse shall not be made of construction and the ceiling shall be light, tenacious and easy to separate from the buildings in case of explosion.
- b. The ventilation openings area shall not be less than one quarter of the floor area and shall be covered by tight texture sturdy write affixed in metal frames and shutters.
- c. The warehouse shall be surrounded by constructed wall up to not less than two thirds of the warehouse height, at five meter distance from the warehouse walls. This wall shall be surrounded completely by gap free soil bridge with proper section.
- d. The height of the bags shall not exceed one and a half meters.

Article (5):

In warehouses used for storage of Superphosphate separately, the following conditions shall be fulfilled:

1. The warehouse shall be provided with water supply, toilet and washrooms and sewage system, regardless of the number of workers.
2. Notice must be affixed on the entrance of the warehouse noting that the stored material is chemical fertilizer and specifying the percentages of fertilizer elements in it.
3. If the fertilizers are stored in piles, passages shall be left between these piles according to the space of the warehouse.
4. Workers involved in the packing of bags shall be provided with the functions and tools necessary for protection of public health and with the shoes and goggles for protection from dust.

Article (6):

Organic fertilizer plans shall fulfill the following conditions and specifications:

1. The work site shall be in the zone designated for the industry, if any. In the absence of such designation, it shall be in the southern or south eastern side of the residential block, taking into consideration seasonal wind direction in the area in which the plant is located.
2. Access to the plant must be easy by way of not less than four meters wide road, constructed for the purpose. This condition must be taken into consideration on selecting the site.
3. The plant must be surrounded by a built wall of not less than 1.80 meters in height.
4. Water supply and sewage method must be provided, regardless of the number of workers.
5. To discharge liquids with semi-solid materials into basins representing holes in the grounds with any of the sides of such holes not exceeding 6 meters in length. The depth of the hole shall not exceed 50cm from the ground level. The bottom of the basin shall be made of 20 cm thick concrete, and the sides of the basin shall built of rock or red concrete block, with cement and sand mortar of concrete cement, such that the final thickness of the wall shall be 12 centimeters at the ground level. The edges of the bottoms and sides shall be finished with cement and sand mortar with sufficient thickness and good service. The angles and corners shall be curved.
6. The basin mold must be 4 meters wide at least, and must be paved by a thick layer of solid rock, at two and a half meters distance from the basic, at 25 centimeters distance from the basin edge, at 30 centimeters height from the ground level. A 25x25 cm wooden beam or a wide steel beam must be fixed such that trolleys located on the pavement and based on this beam do not slip and fall in the basic in the process of discharging their contents. This beam must be fixed by sufficient number of steel restraints fixed on concrete bases.
7. To use basins successively in order to dry them such that the material is not left in the basins for more than six days.

Article (7):

The following shall be observed:

1. Notice shall be fixed on the entrance of the warehouse listing the types of the fertilizers stored in it and the percentages of the fertilizer elements in each fertilizer.
2. Fertilizers shall be sold or offered for sale only in sealed bags and containers specifying the fertilizing elements contained in the fertilizer.
3. No grains, crops, empty bags, rugs, wood, inflammable materials or similar materials shall be stored in the warehouse. Only fertilizers licensed to be stored shall be stored in the warehouse.
4. Fertilizer bags shall be placed such as to leave passages with sufficient width between them or cross-section passages between them according to the space of the warehouse. The height of the bags shall not exceed two thirds of the height of the warehouse, and shall not in any way exceed three and a half meters. The distance between the end of the height of the bags and the ceiling shall not be less than one and a half meters.
5. The void area between the wall and the warehouse shall not be used for storage or placing of any materials.
6. Bags resulting from discharge of Nitrate or other fertilizer may be used only after cleaning them thoroughly.
7. No artificial light may be used in the warehouse other than electrical light.
8. The necessary precautions shall be taken for avoiding starting fire, using matches or smoking in the warehouse. Signs shall be posted in prominent places with the term (No Smoking) written on them in clear and large letters.
9. Only authorized persons may enter the warehouse. On the façade of the warehouse the words (Hazardous Place) shall be written in prominent place in clear letters.

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Article (8):

The warehouse shall be provided with the functions and tools considered by the concerned departments to be required for fire fighting.

Article (9):

Owners of warehouses shall place insurance on their entities and employees in favor of third parties with a company operating in the Emirate.

The Implementing Regulations shall specify the conditions to be provided in the insurance policies.

Article (10):

Owners of warehouses existing at the time of enforcement of this Order shall amend their status in accordance with its provisions within one year from the date of enforcement, otherwise they shall be considered in violation of its provisions.

Article (11):

The Health Department inspectors, each within his jurisdiction, shall have the right to oversee implementing of the provisions of this Order and to seize any acts committed in violation of its provisions, and shall prepare the necessary minutes in this respect. To that end, they may enter warehouses, stores or places in which the materials the subject of this Order are stored.

Article (12):

Without prejudice to any more severe penalty provided for by any other local laws or orders, a person who violates the provisions of this Order shall be penalized by one of the penalties listed below, subject to application of the below penalties in order:

1. Warning.
2. Fine of not less than Dirhams 5000, which shall be doubled in case of repetition of the violation, such to a maximum of Dirhams 15,000.
3. Temporary closure for not more than one month.
4. Cancellation of license.

Article (13):

The Director of the Municipality shall issue the implementing regulations and the necessary resolutions for implementation of the provisions of this Order.

Article (14):

This Order shall come into effect as of the date hereof and shall be published in the Official Gazette.

Hamdan Bin Rashid Al Maktoum

Chairman of Dubai Municipality