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### **Sec. 138-96. Supervision.**

A responsible person shall be on duty at all solid waste management facilities or systems continuously during the hours of active operation.

(Code 1956, § 28-40)

### **Sec. 138-97. Operation of landfills and dumps.**

- (a) All dumps and landfills within the city shall be operated as sanitary landfills in accordance with the comprehensive zoning ordinance.
- (b) All sanitary landfill operators shall post a performance bond in the amount of \$5,000.00 or other approved security in an amount consistent with the scope of the operation with the department of safety and permits.
- (c) All plans and applications for a permit to construct and operate a sanitary landfill shall be signed by a professional engineer registered in the state.
- (d) The department of safety and permits, following a review of the facility plans, shall impose such revisions as necessary, including provisos, in connection with the issuance of a permit for construction and/or operation to ensure compliance with the provisions of this article.

(Code 1956, § 28-44)

### **Sec. 138-98. Site requirements for sanitary landfills.**

The sanitary landfill site location shall:

- (1) Be easily accessible by collection vehicles, automobiles, and, where applicable, transfer vehicles.
- (2) Safeguard against water pollution originating from the disposal of solid waste.
- (3) Have an adequate quantity of acceptable cover material available. The cover material shall not contain organic matter conducive to the harborage and/or breeding of vectors.
- (4) Conform with the provisions of the comprehensive zoning ordinance.

(Code 1956, § 28-45)

### **Sec. 138-99. Engineering plans for landfills.**

Engineering plans for landfill facilities shall include the following information:

- (1) *Topographic maps.* The designs of the sanitary landfill shall include one or more topographic maps at a scale of not over 200 feet to the inch with one-foot contour intervals. These maps shall indicate features such as: Fill area; any borrow area; access roads; grades for proper drainage of each lift required and a typical cross-section of a lift; special drainage devices if necessary; fencing; equipment shelter; existing and proposed utilities; employee facilities; and all other pertinent information to clearly indicate the orderly development, operations and completion of the sanitary landfill.
- (2) *Hydrological survey.* A hydrological survey of the proposed site shall be provided if required by the department of safety and permits. Where feasible, the department may accept available information from government sources.

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- (3) *Other maps and photographs.* A map or aerial photograph of the area showing land use and zoning within one-quarter mile of the solid waste disposal site shall be provided. The photographs or maps shall be of sufficient scale to show all homes, industrial buildings, wells, watercourses, dry runs, roads, and other significant details.
  - (4) *Reports.* A report shall accompany the plans indicating but not limited to the following:
    - a. The area to be served by the proposed site.
    - b. Anticipated type, annual quantity and source of solid waste, expressed in tons.
    - c. Anticipated life of site.
    - d. Geological formations and groundwater elevations to a depth of at least ten feet below proposed excavations and lowest elevation of the site. Such data shall be obtained by soil borings or other appropriate means.
    - e. Soil maps, interpretive guide sheets, and a report supporting the suitability of the site for such an operation.
    - f. Source and characteristics of cover material.
    - g. Type and amount of equipment to be provided at the site for excavating, earth moving, spreading, compaction, and other needs.
    - h. The names and addresses of persons responsible for actual operation and maintenance of the site and intended operating procedures.

(Code 1956, § 28-46)

### **Sec. 138-100. Operational features for sanitary landfill sites; minimum standards.**

The disposal site shall be provided with operation features and appurtenances necessary to maintain a clean and orderly operation. The following minimum features shall be required:

- (1) Operational plans to direct and control the site shall be provided.
- (2) An all-weather access road to the site shall be provided. A special area with a stabilized roadway shall be provided within the site for wet weather operations.
- (3) The site shall be equipped with signs indicating the name of the operating authority, traffic flow, hours of operation, and charges for disposal.
- (4) Records of the amount of solid waste received measured in cubic yards shall be maintained. Quantitative records shall be forwarded to the department of safety and permits upon request.
- (5) Suitable dust control methods such as approved chemicals, oils, or water sprays shall be available on the site.
- (6) Blowing paper and other light materials shall be controlled by providing a portable fence near completed cells.
- (7) Fire protection and firefighting facilities adequate to ensure the safety of employees and provisions to deal with accidental burning of solid waste within the site shall be available on the site.
- (8) Emergency first aid equipment to provide adequate treatment of accidents, especially those associated with hazardous wastes shall be provided.
- (9) Telephone or radio communications shall be provided at the waste disposal site.

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(10) A trained equipment operator shall be present during operating hours.

(Code 1956, § 28-47)

**Sec. 138-101. Equipment requirements for sanitary landfills.**

- (a) Adequate numbers, types and sizes of equipment sufficient for spreading, covering and compacting operations shall be provided on the sanitary landfill site.
- (b) Sufficient reserve equipment, or arrangements to provide alternate equipment within 24 hours following equipment breakdown, shall be provided by the operators of the sanitary landfill.
- (c) Suitable shelter and sanitary facilities shall be provided for personnel. Provisions for permanent or temporary shelter of adequate size, safe drinking water, sanitary handwashing and toilet facilities, electricity, heating facilities, and proper screens, shall constitute compliance with this section.
- (d) The working area of the site shall be equipped with a water line of no less than six inches diameter to provide an adequate supply of water under pressure to control fires. A stockpile of cover material shall be maintained on the site to control fires. Fire extinguishers in working order shall be kept on equipment and in all buildings.
- (e) This section shall not be construed to repeal, restrict or limit any requirements of the city's building code or fire prevention code.

(Code 1956, § 28-48)

**Sec. 138-102. Landfill operations.**

- (a) At the time of design approval or at any time groundwater contamination is suspected, the department of safety and permits shall have the option to require the installation of monitoring wells and may specify the number, location and depth of monitoring wells in addition to the frequency of samples to be taken, and the analyses to be run.
- (b) Sanitary landfills shall provide for the management of surface runoff from the site to meet established water quality standards of the receiving waters.
- (c) Any leachate emanating from a landfill shall be collected and treated if it is a potential source of water pollution.
- (d) The grade of the completed refuse cells and lifts in addition to the final cover shall drain the surface runoff water to prevent uncontrolled ponding.
- (e) All completed portions of sanitary landfills which have received final cover shall be planted with grass or acceptable cover vegetation to minimize infiltration, erosion and dust.
- (f) All sanitary landfills where gas generated by decomposition of wastes cannot readily be dispersed into the atmosphere shall be provided with a gas control system.
- (g) All solid waste, except materials such as abandoned vehicles, white goods and certain hazardous wastes, as specified by the department of safety and permits shall be compacted to form cells.
- (h) Pesticides used to control rodents, flies and other insects shall be approved by the department of safety and permits.

(Code 1956, § 28-49)

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### **Sec. 138-103. Special waste handling.**

- (a) Disposal of waste sludges and liquids shall be with special consideration of air and water pollution and health and safety of landfill employees. Appropriate provisions shall be made for handling these waste materials in a landfill, only where alternate disposal methods are not available and when such disposal does not violate laws and regulations. The approval of the safety and permits department shall be required.
- (b) If abandoned vehicles are brought to the site, they may be stored temporarily in a separate area, provided arrangements have been made for biweekly removal to an automobile shredding, or compacting plant. If such arrangement has not been made all abandoned automobiles, white goods and similar materials shall be compacted before being placed in the fill area to minimize voids.
- (c) Upon the occurrence of natural disasters, in which large accumulations of debris are created, such as trees and buildings that have been destroyed, the debris may be transported to an area remote from habitation, and burned, in accordance with the regulations of the fire prevention division of the fire department and the state air control commission.

(Code 1956, § 28-50)

### **Sec. 138-104. Milled solid waste.**

The department of safety and permits may waive daily soil cover requirements for sanitary landfill operations utilizing a milling facility. The department of safety and permits may grant operating permits for such facilities contingent upon the following conditions:

- (1) Seventy percent of all milled refuse, dry weight, shall be capable of passing through a four-inch screen.
- (2) Waste shall be spread to a smooth contour and compacted promptly after placement and left undisturbed to prevent odors. Wind blowing of milled refuse and paper shall be controlled.
- (3) All solid waste storage areas in the milling facility shall be maintained and cleaned at the end of each day's operations, or during continuous operation, each 24 hours, to prevent fly, rodent or other vector problems. All milling equipment shall be maintained to control spillage and to achieve the required milled product quality.
- (4) An operational plan shall include provision for removal and proper disposal of wastes within 24 hours should the mill facility break down or operational quality be diminished. The operational plan shall include provision for a stock pile of emergency soil cover material and a plan to convert the operation to a sanitary landfill.
- (5) Upon completion of the site, it shall be closed, covered with a final 18-inch thick soil cover, and shall be seeded or planted with grass or suitable cover vegetation to minimize erosion.
- (6) The department of safety and permits may require daily cover of milled solid waste if health and environmental considerations so warrant.

(Code 1956, § 28-51)

### **Sec. 138-105. Spillage of dirt, garbage, or trash from transport or collection vehicle.**

- (a) It shall be unlawful for any person to operate any vehicle or other mobile equipment being used for the hauling of earth, waste materials, garbage, trash, or other loose materials, in such manner as to cause or permit the spillages, dropping or casting of any portion thereof upon the streets, sidewalks, or public ways, or in any other manner which would create a nuisance.

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- (b) It shall be unlawful for any person to operate or cause to be operated any vehicle or other mobile equipment being used for the hauling of garbage, or trash, unless such garbage or trash is completely covered by a securely fastened tarpaulin, or other similar covering, and unless the tailgate of such vehicle is secured in such manner as to prevent spillage of any portion of the garbage or trash being transported upon the streets, sidewalks, or other public ways.
  - (c) Any person convicted of violating any of the provisions of this section shall be subject to a fine of \$100.00 or in lieu thereof, shall be subject to community service work at the discretion of the courts.
  - (d) The provisions stated in section 50-5, to allow first offenders to pay fines at the health violations branch, department of health, shall not apply.

(Code 1956, § 28-53)