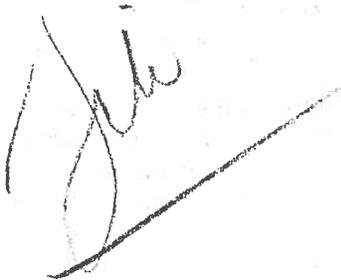


David Berger, City Solicitor
Room 703 City Hall Annex
Charles A. Baker, Commissioner of Records
Room 156 City Hall
An Amendment to Regulate Governing Operation, Conduct and Maintenance
of Rendering Plants

10/17/56

In accordance with Section 8-407 (C) of the Philadelphia Home
Rule Charter the subject amendments are effective on October 22, 1956.

CC: Leonard I. Zimet
Board of Health

A handwritten signature in dark ink, appearing to be 'L. Zimet', written over a horizontal line.

Change of Rendering Plant Regulations

402(1)-11 7th Paragraph

This paragraph reads, "In Rendering plants wherever dust, fumes, gas, mist, odor, smoke, vapor or combinations thereof, are present which cause air pollution or an air pollution nuisance, the buildings housing such dust, fumes, gas, mist, odor, smoke, vapor, or combination thereof, may have to be tightly enclosed in order to effectively prevent the escape of such pollutants to the atmosphere. Windows may have to be fixed and permanently closed, and doors may have to be vestibuled and kept closed except in actual use for ingress and egress. Contaminated air in such buildings may have to be exhausted so that building is under zero or negative pressure, all infiltration being into the building, and all such contaminated air shall be treated by such methods as may be approved by the Division of Air Pollution Control and Environmental Sanitation."

It is proposed that this paragraph be changed to read, "Wherever dust, fume, gas, mist, odor, smoke, vapor, or combinations thereof, are present which cause air pollution or an air pollution nuisance, the department may require that the buildings housing such dust, fume, gas, mist, odor, smoke, vapor or combinations thereof be so ventilated as to effectively prevent the escape of such pollutants to the atmosphere."

The above change has been adopted by the Air Pollution Control Board as an amendment to its regulations on September 12, 1956.

City of Philadelphia
DEPARTMENT OF PUBLIC HEALTH

REGULATIONS GOVERNING CONDUCT, OPERATION and MAINTENANCE OF RENDERING PLANTS

Code of General Ordinances of the City of Philadelphia

Title 6 - Health Code

6-401 OCCUPATIONAL and INDUSTRIAL HYGIENE

6-401(1) Industrial Establishments

(a) All industrial establishments shall be conducted, operated and maintained in accordance with the Health Code and such regulations as the Board may prescribe to protect the health and life of all persons within or about such establishments from health hazards. Such regulations shall be based upon recognized public health standards and may include, but shall not be limited to, reasonable requirements to control and insure:

- (.1) sufficient illumination for the work being performed.
- (.2) sufficient and adequate ventilation, circulation, and conditioning of air to prevent or eliminate health hazards resulting from dust, fumes, gases, material particles or other concentrations of atmospheric contaminants or toxic substances.
- (.3) prevention of harmful combinations of heat and humidity.
- (.4) sufficient and adequate housekeeping and sanitation or service facilities to prevent health hazards.
- (.5) prevention of the use of manufacturing processes, materials, equipment or supplies which have been demonstrated to be potential health hazards unless adequate protective devices are established and used.
- (.6) prevention of employment of persons in specifically described hazardous industries without adequate pre-employment and subsequent health examinations by a physician or osteopath and without adequate study of the causes and means of preventing the specific occupational health hazards or diseases described for the industries involved.
- (.7) the control of arthropods and rodents.

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6-402 BUSINESS, PROFESSIONAL and COMMUNITY CONTROLS

6-402(1) Rendering Plants.

(a) No license shall be issued unless the rendering plant contains devices and shall be so constructed, operated and maintained as the Board may by regulation prescribe to prevent the entry or existence therein of arthropods or rodents and shall comply with the Air Pollution Code (Title 3).

Pursuant to ~~§~~ [§] 6-401 and 6-402(1) of the Code of General Ordinances of the City of Philadelphia, the following regulations are promulgated by the Board of Health.

REGULATION 402(1)-1 DEFINITIONS

(a) Approved. The word "approved" shall mean satisfactory compliance as determined and recorded by the Department of Public Health.

(b) Waste. The word "waste" shall mean any material that is discarded, spilled, or not intended for further processing or sale.

REGULATION 402(1)-2 LOCATION

Rendering plants and rendering operations shall be conducted apart from and shall be completely separated from any of the operations of slaughtering animals or preparing human food.

REGULATION 402(1)-3 FLOORS

Floors shall be maintained in good repair and readily cleanable. No accumulations of water, liquid, or solid wastes on the floors shall be permitted. Floors shall be thoroughly cleaned at least once during each eight (8) hour shift. All floors in rooms used for processing and storage of raw materials shall be constructed of smooth, easily cleanable, impervious material, such as concrete, ceramic tile, brick and similar materials, sloped to drain freely to drains connected to a sanitary sewer. A slope of at least one quarter ($\frac{1}{4}$) inch per foot shall be provided in new construction or reconstruction of floors in rooms used for processing and storage of raw materials.

REGULATION 402(1)-4 WALLS AND CEILINGS

Walls and ceilings and interior surfaces shall be kept clean and in good repair. Walls and interior surfaces shall be constructed or covered with readily cleanable material to the level of splash, but not less than six (6) feet above floor level.

REGULATION 402(1)-5 PLUMBING

All plumbing shall conform to the Plumbing Code of the City of Philadelphia. Cross-connections or back-flow connections as defined in the American Standard National Plumbing Code, (ASA A 40.8 - 1955) shall be prohibited. These prohibited connections shall include connections, conditions or arrangements between a potable water supply and any other water supply, water, plumbing or drainage system, water receptacle, or liquid or other substance, or between the city water supply and any other water supply, such that back-flow can occur. Such connections, conditions, or arrangements may only be permitted in accordance with the requirements of the Plumbing Code of the City of Philadelphia and/or requirements of the Department of Public Health and/or requirements of the Department of Water.

All wash and waste waters and wastes from plumbing fixtures and process equipment, except those specifically prohibited by the Water Department, shall be discharged to the sanitary sewerage system through adequate drains of sufficient capacity to carry off the discharge readily and to prevent pooling of waste water. The drainage system shall be provided with an approved interceptor for retention of solids and greases and/or other treatment devices as may be required by the Water Department and Department of Public Health. Drains and treatment devices shall be kept unobstructed and in proper working order at all times.

REGULATION 402(1)-6 SEWAGE AND INDUSTRIAL WASTES DISPOSAL

Plumbing at rendering plants shall be connected to the appropriate public sewerage system, if such sewers are available for connection. In the event that the public sewerage system is not available for connection, approval of the Depart-

ment of Public Health and other appropriate City and State agencies shall be obtained for other liquid wastes disposal.

REGULATION 402(1)-7 DRAINAGE

No contaminated water, liquid wastes or other pools of stagnating water shall be exposed on the premises within or outside the building(s) at any time.

Outside working areas used for delivery, storage, raw products or finished materials-handling, equipment cleaning operations, docks, unloading zones, or other areas where spillage occurs frequently, shall be surfaced with an impervious material, such as concrete or bituminous cement, and shall be properly graded to permit adequate drainage. Sufficient drainage from these areas shall be provided, and liquid wastes disposed of in a manner approved by the Department of Public Health.

REGULATION 402(1)-8 LIGHTING

Sufficient lighting shall be provided to ensure proper cleaning and minimize industrial hazards. A minimum of four (4) foot-candles of light in any room where rendering material is handled shall be provided at working surfaces or at a point thirty (30) inches above the floor level.

REGULATION 402(1)-9 WATER OR STEAM SUPPLY

An adequate supply of water shall be provided to ensure proper cleaning. Running hot water at a minimum temperature of 180^oF. or live steam shall be available and used for cleaning in each room where rendering material is handled and at the exterior premises for cleaning purposes.

REGULATION 402(1)-10 RODENTS AND INSECTS

Effective measures shall be taken to control the breeding or existence of rodents and insects within the building(s) or at the exterior premises of rendering plants. All buildings and structures shall be so constructed and maintained as to be reasonably rodent-proof to prevent the ingress and egress of rodents.

Rubbish and other non-essential material which may provide harborage and/or breeding areas for rodents and insects shall be removed promptly.

For the prevention of ingress, and egress, of flies, building(s) shall be equipped with adequate fly screens from May 1 to November 1 inclusive of each year and/or other control measures approved by the Department of Public Health shall be taken to ensure the eradication or prevention of production of flies.

Raw material infested with fly maggots and pupae shall be processed or treated immediately upon delivery to the rendering plant for prevention of migration or adult fly production.

REGULATION 402(1)-11 ODORS, FUMES, VAPORS, GASES and DUSTS

Rendering plants shall comply with the provisions of the Air Pollution Control Ordinance of the City of Philadelphia and the regulations adopted thereunder. Air Pollution and air pollution nuisance as used herein shall be as defined by the above Air Pollution Control Ordinance and regulations.

Vent outlets to the atmosphere of all cooking or process units must be substantially free of any odor causing air pollution or an air pollution nuisance by methods of control approved by the Division of Air Pollution Control and Environmental Sanitation.

Effective devices and/or measures shall be installed and operated such that no vent, ventilator, exhaust pipe, blowoff pipe, or opening of any kind shall pass or discharge into the outside air any odors, fumes, vapors, gases, or dusts or any combination thereof which create air pollution or an air pollution nuisance.

Odor-producing materials shall be confined and handled in a manner such that odors produced within or outside the plant from this source may be controlled. Excessive accumulations of odor-producing materials resulting from spillage or escape shall not be permitted.

Odors or odor-bearing gases, vapors, fumes, dusts or mists arising from processing of material or materials in process such as to cause air pollution or air pollution nuisance shall be confined or captured at the point of origin so as

to prevent excessive liberation into the work-room and to permit appropriate treatment before discharge to the outside air.

All finished products and material shall be so treated or contained as to effectively eliminate or prevent dissemination of odors, fumes, vapors, and gases which create air pollution or an air pollution nuisance before removal from building(s).

In Rendering plants wherever dust, fumes, gas, mist, odor, smoke, vapor or combinations thereof, are present which cause air pollution or an air pollution nuisance, the buildings housing such dust, fumes, gas, mist, odor, smoke, vapor, or combination thereof, may have to be tightly enclosed in order to effectively prevent the escape of such pollutants to the atmosphere. Windows may have to be fixed and permanently closed, and doors may have to be vestibuled and kept closed except in actual use for ingress and egress. Contaminated air in such buildings may have to be exhausted so that building is under zero or negative pressure, all infiltration being into the building, and all such contaminated air shall be treated by such methods as may be approved by the Division of Air Pollution Control and Environmental Sanitation.

REGULATION 402(1)-12 STORAGE, HANDLING, and DISPOSAL

All raw materials shall be unloaded promptly and placed or stored inside the building(s) or in suitable outside containers, and shall be processed as rapidly as practicable. Raw materials, materials in storage or process, and finished products shall be so handled and confined as to prevent excessive spillage of such materials or products onto the floor, or into the establishment, except in storage areas. Storage containers or vaults for raw materials and materials in process shall be effectively cleansed and treated by live steam, or other approved methods at least daily, when used, such as to make them inoffensive. Provision shall be made for storage, and prompt and regular removal of all waste

materials from the premises at least three (3) times a week, and disposal in a manner required by appropriate ordinances and regulations of the City of Philadelphia.

REGULATION 402(1)-13 EMERGENCIES

In the event of a breakdown in processing, or other emergency, arrangements shall be made to transfer as rapidly as practicable excess raw materials which cannot be processed in accordance with Regulation 25.1-11 to another licensed rendering plant, or for other means of disposal or handling approved by the Department of Public Health, and all such excess raw materials collected shall be handled in such manner until processing is resumed, as herein provided.

REGULATION 402(1)-14 GENERAL SANITATION

No offal, offensive matter, raw material, decomposed substances, or dead animals shall accumulate on the premises outside the building(s). All outside areas and floors, walls, ceiling, pits, elevators, equipment used in rendering, boiling, and other processing, platforms and other interior surfaces shall be regularly cleaned as necessary to keep clean and free of accumulations of raw materials, decomposed materials, and other offensive substances, as provided in Section 402(1)-12.

REGULATION 402(1)-15 TRANSPORTATION VEHICLES

All carts, buggies, or other mechanical means for carrying offal, or other raw or finished materials from one part of the plant to another, shall be regularly cleaned as necessary to keep clean and free of accumulations of raw materials, decomposed materials, and other offensive substances by the use of live steam, hot water of minimum 180° F. temperature, or other means approved by the Department of Public Health.

No person shall drive, or allow to be driven, any wagon, cart, or vehicle used in the carrying of dead animals or animal refuse of any kind which is not so constructed and arranged as to shield and cover its contents from public view by

use of suitable coverage, and to prevent escape of organic material therefrom, during travel through the streets of the City at all times, except when the vehicle is in the process of being loaded or unloaded or moving between adjacent loading points not greater than two (2) city blocks apart. Any material falling to the street or ground shall be immediately picked up and the area cleaned. No raw material shall be permitted to stand in transportation vehicles at a single location for an unreasonable period of time, except as herein provided in emergency regulation 25.1-12. All vehicles and containers when used in carrying dead animals or animal refuse shall be cleaned at least daily with live steam, hot water of minimum 180° F. temperature, or other means approved by the Department of Public Health. (Reference is made to Section 17 of the Health Code and regulations adopted thereunder concerning the transportation, handling, and disposal of diseased animals.)

REGULATION 402(1)-16 SANITARY FACILITIES

Adequate and conveniently located handwashing, toilet, and shower facilities shall be available for employees in accordance with appropriate city and state ordinances, statutes and regulations relating to such facilities. These facilities shall be kept clean at all times.

Potable drinking water supply approved by the Department of Public Health shall be available to employees.

REGULATION 402(1)-17 NEW CONSTRUCTION or MAJOR ALTERATIONS of EQUIPMENT and BUILDINGS

No person shall erect any new establishment or install any equipment subject to these regulations or materially alter or remodel any existing establishment or equipment subject to these regulations unless he shall first have submitted the plans and specifications of such proposed work, in so far as they pertain to matters covered by these regulations, to the Department of Public Health and the Department of Public Health has approved such plans and specifications as being in accordance

with the applicable requirements of the Health Code and these regulations. Such approval shall not be construed to relieve owners, managers, or operators of rendering plants from responsibilities set forth in pertinent ordinances or regulations.