

ORDINANCE NO. 115

AN ORDINANCE REGULATING THE USE OF PUBLIC AND PRIVATE SEWERS AND DRAINS, PRIVATE SEWAGE DISPOSAL, THE INSTALLATION AND CONNECTION OF BUILDING SEWERS AND DISCHARGE OF WATERS AND WASTE INTO THE PUBLIC SEWER SYSTEM OF THE VILLAGE OF LAURIUM; AND PROVIDING PENALTIES FOR THE VIOLATION THEREOF.

The Village of Laurium Ordains:

Section 1. Definitions. Unless the context specifically indicates otherwise, the meaning of terms used in this ordinance shall be as follows:

1. "Sewage Works" shall mean all facilities for collecting, pumping, treating and disposing of sewage.
2. "Sewage" shall mean a combination of the water-carried wastes from residences, business buildings, institutions and industrial establishments, together with such ground waters as may be present.
3. "Sewer" shall mean a pipe or conduit for carrying sewage.
4. "Public Sewer" shall mean a sewer in which all owners of abutting properties have equal rights, and is controlled by public authority.
5. "Combined Sewer" shall mean a sewer receiving both surface runoff and sewage.
6. "Sanitary Sewer" shall mean a sewer which carries sewage and to which storm, surface and ground waters are not intentionally admitted.
7. "Storm Sewer" or "Storm Drain" shall mean a sewer which carries storm and surface waters and drainage, but excludes sewage and polluted industrial wastes.
8. "Sewage Treatment Plant" shall mean any arrangement of devices and structures used for treating sewage.

9. "Industrial Wastes" shall mean the liquid wastes from industrial processes as distinct from sanitary sewage.
10. "Garbage" shall mean solid wastes from the preparation, cooking and dispensing of food and from the handling, storage and sale of produce.
11. "Properly Shredded Garbage" shall mean the wastes from the preparation, cooking and dispensing of food that have been shredded to such degree that all particles will be carried freely under the flow conditions normally prevailing in public sewers, with no particle greater than 1/2 inch in any dimension.
12. "Building Drain" shall mean that part of the lowest horizontal piping of a drainage system which receives the discharge from soil, waste and other drainage pipes inside the walls of the building and conveys it to the building sewer, beginning five feet outside the inner face of the building wall.
13. "Building Sewer" shall mean the extension from the building drain to the public sewer or other place of disposal.
14. "Suspended Solids" shall mean solids that either float on the surface of, or are in suspension in water, sewage or other liquids; and which are removable by laboratory filtering.
15. "Natural Outlet" shall mean any outlet into a watercourse, pond, ditch, lake or other body of surface or ground water.
16. "Watercourse" shall mean a channel in which a flow of water occurs, either continuously or intermittently.
17. "Person" shall mean any individual, firm, company, association, society, corporation or group.
18. "Shall" is mandatory; "may" is permissive.
19. "Village" shall mean the Village of Laurium, Michigan.

Section 2. Use of Public Sewers Required.

1. It shall be unlawful for any person to place, deposit, or permit to be deposited in an unsanitary manner upon public or private property within the Village, or in any area under the jurisdiction of said Village, any human or animal excrement, garbage or other objectionable waste.

2. It shall be unlawful to discharge to any natural outlet within the Village, or in any area under the jurisdiction of said Village, any sanitary sewage, industrial wastes, or other polluted waters, except where suitable treatment has been provided in accordance with subsequent provisions of this ordinance.

3. Except as hereinafter provided, it shall be unlawful to construct or maintain any privy, privy vault, septic tank, cesspool or other facility intended or used for the disposal of sewage.

4. The owner of all houses, buildings or properties used for human occupancy, employment, recreation or other purpose situated within the Village and abutting on any street, alley or right of way in which there is now located or may in the future be located a public sanitary or combined sewer of the Village, is hereby required at his expense to install suitable sewage facilities therein, and to connect such facilities directly with the proper public sewer in accordance with the provisions of this ordinance, within ninety (90) days after date of official notice to do so.

Section 3. Private Sewage Disposal.

1. Where a public sanitary sewer is not available under the provisions of Section 2, subsection 4, the building sewer shall be connected to a private sewage disposal system.

2. At such time as a public sewer becomes available to a property served by a private sewage disposal system as provided in Section 2, subsection 4, a direct connection shall be made to the public sewer in compliance with this ordinance, and any septic tanks, cesspools and similar private sewage disposal facilities shall be abandoned for sanitary use.

3. The owner shall operate and maintain the private sewage disposal facilities in a sanitary manner at all times, at no expense to the Village.

4. No statement contained in this Section shall be construed to interfere with any additional requirements that may be imposed by the Health Officer.

Section 4. Building Sewers and Connections.

1. No person shall uncover, make any connections with or opening into, use, alter or disturb any public sewer or appurtenance thereof without first obtaining a written permit from the Village. No building sewer shall be covered until after it has been inspected and approved by the Village.

2. All costs and expense incident to the installation and connection of the building sewer to the public sewer connection shall be borne by the owner.

3. A separate and independent building sewer shall be provided for every building; except where one building stands at the rear of another on an interior lot and no private sewer is available or can be constructed to the rear building through an adjoining alley, court, yard or driveway, the building sewer from the front building may be extended to the rear building.

4. Old building sewers may be used in connection with new buildings only when they are found, on examination and test by the Village, to meet all requirements of this ordinance.

5. The building sewer shall be cast iron soil pipe with leaded joints, vitrified clay sewer pipe with rubber or plastic joints or bituminously treated fiber material encased in 6-inch 2000 psi concrete, or asbestos cement pipe with rubber ring joints. Joints shall be tight and waterproof. Any part of the building sewer that is located within 10 feet of a water service pipe shall be constructed of cast iron soil pipe with leaded joints. If installed in filled or unstable ground, the building sewer shall be of cast iron soil pipe, except that the non-metallic material may be accepted if laid on a suitable concrete bed or cradle as approved by the Village. All building sewers from property line to the street sewer shall be cast iron pipe.

6. The size and slope of the building sewer shall be subject to approval of the Village but in no event shall the diameter be less than four (4) inches. The slope of such 4-inch pipe shall be not less than one-eighth (1/8) inch per foot, unless otherwise permitted.

7. Whenever possible the building sewer shall be brought to the building at an elevation below the basement floor. No building sewer shall be laid parallel to or within three (3) feet of any bearing wall, which might thereby be weakened. The depth shall be sufficient to afford protection from frost. The building sewer shall be laid at uniform grade and in straight only with properly curved pipe and fittings. Changes in direction greater than 45 degrees shall be provided with clean-outs accessible for cleaning.

8. In all buildings in which any building drain is too low to permit gravity flow to the public sewer, sanitary sewage carried by such drain shall be lifted by approved artificial means and discharged to the building sewer.

9. All joints and connections shall be made gastight and watertight. Cast iron pipe joints shall be firmly packed with oakum or hemp and filled with molten lead, not less than one (1) inch deep. Lead shall be run in one pouring and calked tight. No paint, varnish or other coatings shall be permitted on the jointing material until after the joint has been tested and approved. All joints in vitrified clay pipe or between such pipe and metals shall be made with approved hot-poured jointing material or pre-moulded bituminous jointing material.

Section 5. Use of the Public Sewers.

1. No person shall discharge or cause to be discharged any storm water, surface water, ground water or roof water to any sanitary sewer. A normal amount of ground water leakage into basements may be drained to the sanitary sewer; however; any excessive volume of basement drainage as determined by the Village will not be permitted.

2. Storm water, ground water and all other unpolluted drainage shall be discharged to such sewers as are specifically designated as combined sewers or storm sewers, or to a natural outlet approved by the Village. Industrial cooling water or unpolluted process waters may be discharged upon approval of the Village to a storm sewer, combined sewer or natural outlet.

3. Except as hereinafter provided, no person shall discharge or cause to be discharged any of the following described waters or wastes to any public sewer:

- (a) Any liquid or vapor having a temperature higher than 150° F.
- (b) Any water or waste which may contain more than 100 parts per million by weight of fat, oil or grease.
- (c) Any gasoline, benzene, naphtha, fuel oil or other flammable or explosive liquid, solid or gas.
- (d) Any garbage that has not been properly shredded.
- (e) Any ashes, cinders, sand, mud, straw, shavings, metal, glass, rags, feathers, tar, plastics, woods, paunch manure, or any other solid or viscous substance capable of causing obstruction to flow in sewers or other interference with the proper operation of the sewage works.
- (f) Any waters or wastes having corrosive properties capable of causing damage or hazard to structures, equipment and personnel of the sewage works. PH must be within 5.5 to 10.0 limits.
- (g) Any waters or wastes containing a toxic or poisonous substance in sufficient quantity to injure or interfere with any sewage treatment process, constitute a hazard to humans or animals, or create any hazard in the receiving waters of the sewage treatment plant.
- (h) Any waters or wastes containing suspended solids of such character and quantity that unusual attention or expense is required to handle such materials at the sewage treatment plant.

(i) Any noxious or malodorous gas or substance capable of creating a public nuisance.

(j) Any waters containing radioactive materials exceeding such concentration as recommended by the National Committee on Radiation Protection as set forth in the appropriate Handbook of the National Bureau of Standards. All users of radioactive material shall register with the Village Clerk's office.

(k) Any waters having a chlorine demand in excess of 15 parts per million by weight.

(l) Any waters containing phenals in excess of 0.005 parts per million by weight.

4. Grease, oil and sand interceptors shall be provided when in the opinion of the Village, they are necessary for the proper handling of liquid wastes containing grease in excessive amounts, or any flammable wastes, sand and other harmful ingredients; except that such interceptors shall not be required for private living quarters or dwelling units. All interceptors shall be of a type and capacity approved by the Village and shall be located as to be readily and easily accessible for cleaning and inspection. Grease and oil interceptors shall be constructed of impervious materials capable of withstanding abrupt and extreme changes in temperature. They shall be of substantial construction, watertight and equipped with easily removable covers which when bolted in place shall be gastight and watertight.

5. Where installed all grease, oil and sand interceptors shall be maintained by the owner, at his expense, in continuously efficient operation at all times.

6. The admission into the public sewers of any waters or wastes (a) 5 day B. O. D. greater than 300 parts per million by weight or (b) containing more than 350 parts per million by weight of suspended solids or, (c) containing any quantity of substances having the characteristics described in Section 5, subsection 3, or (d) having an average daily flow greater than 2% of the average daily sewage flow of the Village, shall be subject to review and approval of the Village, Where necessary, in the opinion of the Village, the owner shall provide at his expense, such preliminary treatment as may be necessary to reduce the 5 day B. O. D. to 300 parts per million by weight and the suspended solids to 350 parts per million by weight, or to reduce objectionable characteristics or constituents to within the maximum limits provided for in Section 5, subsection 3, or control the quantities and rates of discharge of such waters or wastes. Plans, specifications and other pertinent information relating to proposed preliminary treatment facilities shall be submitted for the approval of the Village and no construction of such facilities shall be commenced until said approvals are obtained in writing.

7. Where preliminary treatment facilities are provided for any waters or wastes, they shall be maintained continuously in satisfactory and effective operation by the Owner at his expense.

8. When required by the Village, the Owner of any property served by a building sewer carrying industrial wastes shall install a suitable control manhole in the building sewer to facilitate observation, sampling and measurement of the wastes. Such manhole when required shall be accessibly

and safely located and shall be constructed in accordance with plans approved by the Village. The manhole shall be installed by the owner at his expense and shall be maintained by him so as to be safe and accessible at all times.

9. All measurements, tests and analysis of the characteristics of water and wastes to which reference is made in subsections 3 and 6, Section 5, shall be determined in accordance with "Standard Methods for Examination of Water and Sewage," and shall be determined at the control manhole provided for in subsection 8, Section 5, or upon suitable samples taken at said control manhole. In the event that no special manhole has been required, the control manhole shall be considered to be the nearest downstream manhole in the public sewer to the point at which the building sewer is connected.

10. No statement contained in this Section shall be construed as preventing any special agreement or arrangement between the Village and any industrial concern whereby an industrial waste of unusual strength or character may be accepted by the Village, subject to payment therefor by the industrial concern.

Section 6. Protection from Damage.

1. No unauthorized person shall maliciously, wilfully or negligently break, damage, destroy, uncover, deface or tamper with any structure, appurtenance or equipment which is part of the municipal sewage works. Any person violating this provision shall be subject to immediate arrest under charge of disorderly conduct.

Section 7. Power and Authority of Inspectors

1. Any duly authorized employee of the Village bearing proper credentials and identification shall be permitted to enter upon all properties

for the purposes of inspection, observation, measurement, sampling and testing in accordance with provisions of this ordinance.

Section 8. Penalties.

1. Any person found to be violating any provision of this ordinance except subsection 1 of Section 6 shall be served by the Village with written notice stating the nature of the violation and providing a reasonable time limit (but not exceeding 60 days) for the satisfactory correction thereof. The offender shall, within the period of time stated in such notice, permanently cease all violations.

2. Any person who shall continue any violation beyond the time limit provided for in subsection 1, Section 8, shall be guilty of a misdemeanor and upon conviction thereof shall be fined in an amount not exceeding one hundred dollars, or by imprisonment in the Houghton County Jail for not more than ninety days or by both such fine and imprisonment in the discretion of the Court, for each violation. Each day in which any such violation shall continue shall be deemed a separate offense.

3. Any person violating any of the provisions of this ordinance shall become liable to the Village for any expense, loss or damage occasioned the Village by reason of such violation.

Section 9. Validity.

1. All ordinances or parts of ordinances in conflict herewith are hereby repealed.

2. The invalidity of any section, clause, sentence or provision of this ordinance shall not affect the validity of any other part of this ordinance which can be given effect without such invalid part or parts.

Section 10. Ordinance in Force.

This ordinance shall be in full force and effect ~~upon its publication~~
twenty (20) days after its passage.

Adopted November 2, 1971

Philip J. Friedman
Village Clerk

William H. ...
Village President