

## **Chapter 7: Water, Sewer, and Solid Waste**

### **Article I: Water and Sewer Service**

Sec. 7-101	Definitions
Sec. 7-102	Use of Public Sewers Required
Sec. 7-103	Private Sewage Disposal
Sec. 7-104	Building Sewers Disposal
Sec. 7-105	Use of Public Sewers
Sec. 7-106	Protection from Damage
Sec. 7-107	Powers and Authorities of Inspectors
Sec. 7-108	Penalties
Sec. 7-109	Water Service Rates and Charges
Sec. 7-110	Miscellaneous Water Provisions
Sec. 7-111	Sewer Rates and Special Charges
Sec. 7-112	Industrial User Charge System
Sec. 7-113	Water Conservation Plan
Sec. 7-114	Wellhead Protection Ordinance

### **Article II: Solid Waste Management**

Sec. 7-201	Purpose
Sec. 7-202	Definitions
Sec. 7-203	Enforcement
Sec. 7-204	Precollection
Sec. 7-205	Collection
Sec. 7-206	Disposal
Sec. 7-207	Penalties

Sec. 7-101 Definitions

Unless the context specifically indicates otherwise, the meaning of terms used in this Ordinance shall be as follows:

1. BOD (Biochemical Oxygen Demand). The quantity of oxygen utilized in the biochemical oxidation of organic matter under standard laboratory procedure in five (5) days of 20 degrees C, expressed in milligrams per liter.
2. Building Drain 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 (5) feet outside the inner face of the building wall.
3. Building Sewer The extension from the building drains to the public sewer of other place of disposal.
4. City The City of Woodbine, Georgia.
5. Combined Sewer A sewer receiving both surface runoff and sewage.
6. Garbage Solid waste from the domestic and commercial preparation, cooking, and dispensing of food, and from the handling, storage, and sale of produce.
7. Industrial Wastes The liquid wastes from industrial manufacturing processes, trade, or business as distinct from sanitary sewage.
8. Natural Outlet Any outlet into a watercourse, pond, ditch, lake, or other body of surface or groundwater.
9. Person Any individual, firm, company, association, society, corporation, or group.
10. pH The logarithm of the reciprocal of the weight of hydrogen ions in grams per liter of solution.
11. Properly Shredded Garbage The wastes from the preparation, cooking and dispensing of food that have been shredded to such a degree that all particles will be carried freely under the flow conditions normally prevailing in public sewers, with no particle greater than one-half (1/2) inch in any dimension.
12. Public Sewer A sewer controlled by public authority.
13. Public Works Director The Director of Waterworks of the City of Woodbine, or his authorized deputy, agent or representative.

Sec. 7-101 Definitions (Continued)

14. Public Water Main A water main controlled by public authority.
15. Sanitary Sewer A sewer which carries sewage and in which storm, surface, and ground waters are not intentionally admitted.
16. Service, Water Service, Sewer Service or Served by the Water/Sewer System Shall mean any residence, commercial establishment, industry or other structure or dwelling which consumes water or discharges sewage into the city system. Said structure or dwelling will be assessed the basic charge provided the property line is within one hundred (100) feet of water main with respect to water service and two hundred (200) feet of a sewer line with respect to sewer service. Said basic charge shall be assessed regardless of actual connection to the city system.
17. Sewage A combination of the water-carried wastes from residences, business buildings, institutions, and industrial establishments, together with such ground, surface, and storm waters as may be present.
18. Sewage Treatment Plant Any arrangement of devices and structures used for treating sewage.
19. Sewage Works All facilities for collecting, pumping, treating, and disposing of sewage.
20. Sewer A pipe or conduit for carrying sewage.
21. Shall Mandatory.
22. May Permissive.
23. Slug Any discharge of water, sewage, or industrial waste which in concentration of any given component or in quantity of flow excess for any period of duration longer than fifteen (15) minutes more than five (5) times the average twenty-four (24) hour concentration or flows during normal operations.
24. Storm Drain (Sometimes termed “storm sewer”). A sewer which carries storm and surface waters and drainage, but excludes sewage and industrial wastes, other than unpolluted cooling water.
25. Suspended Solid Solids that either float on the surface of, or are suspended in water, sewage, or other liquids, and which are removable by laboratory filtering.

Sec. 7-101 Definitions (Continued)

26. Watercourse A defined channel in which a flow of water occurs, either continuously or intermittently

Sec. 7-102 Use of Public Sewers Required

1. Objectionable Waste It shall be unlawful for any person to place, deposit, or permit to be deposited any human or animal excrement, garbage, or other objectionable waste in any unsanitary manner on public or private property within the city or in any area under the jurisdiction of said city.
2. Polluted Water It shall be unlawful to discharge to any natural outlet within the City of Woodbine, or in any area under the jurisdiction of said city, any sewage or other polluted waters, except where suitable treatment has been provided in accordance with subsequent provisions of this ordinance.
3. Unlawful Sewage Disposal 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. Owner's Duties The owner of all houses, building, or property used for human occupancy, employment, recreation, or other purposes, situated within the city 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 city, hereby required at his expense to install suitable toilet 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 written notice to do so, provided that said public sewer is within one hundred (100) feet of the property line.

Sec. 7-103 Private Sewage Disposal

1. No Public Sewer Available Where a public sanitary or combined sewer is not available under the provisions of Sec. 7-102, the building sewer shall be connected to a private sewage disposal system complying with the provisions of this section.
2. Permit Prior to Construction Before commencement of construction of a private sewage disposal system the owner shall first obtain a written permit signed by the public works director. The application for such permit shall be made on a form furnished by the city, which the applicant shall supplement by any plans, specifications, and other information as are deemed necessary by the Public Works Director. The disposal system shall be designed and constructed in accordance with the plans and specifications and operated and maintained in such a manner as to prevent the seepage or discharge of sewage

Sec. 7-103 Private Sewage Disposal (Continued)

or other liquids waste from such systems to the surface of the ground; to a water course, drainage ditch, canal, storm sewer storm drain, lake, stream, river, estuary, or other bodies of water. A permit and inspection fee of twenty-five dollars (\$25.00) shall be paid to the city at the time the application is filed.

3. Permit: Effective Date A permit for a private sewage disposal system shall not become effective until the installation is completed according to the standards hereinafter set forth. The Public Works Director shall utilize the then current environmental protection and acceptable building standards, normal to the trade, in arriving at his determination of satisfaction. He shall be allowed to inspect the work at any stage of construction and, in any event, the applicant for the permit shall notify the Public Works Director when the work is ready for final inspection, and before any underground portions are covered. The inspection shall be made within seventy-two (72) hours of the receipt of notice by the public works director.
4. Private Sewage Disposal System The type, capacities, location, and layout of a private sewage disposal system shall comply with all recommendations of the Environmental Protection Division of the Georgia Department of Natural Resources. No permit shall be issued for any private sewage disposal system employing subsurface soil absorption facilities where the area of the lot is less than fifteen thousand (15,000) square feet. No septic tank or cesspool shall be permitted to discharge to any natural outlet.
5. Subsequent Available Public Sewer At such time as a public sewer becomes available to a property served by a private sewage disposal system, as provided in Sec. 7-102, and should a direct connection be made to the public sewer in compliance with this ordinance, any septic tanks, cesspools, and similar private sewage disposal facilities shall be cleaned of sludge, and filled with clean bank run gravel or dirt and abandoned as a sewage treatment or disposal system.
6. Sanitary Operation of Private Systems The owner shall operate and maintain the private sewage disposal facilities in a sanitary manner, as determined by the state, city and county health officers at all times, at no expense to the City of Woodbine.
7. State and County Officers No statement contained in this section shall be construed to interfere with any additional requirements that may be imposed by the state and county health officers.

Sec. 7-104 Building Sewers and Connections

1. Permit Required No unauthorized 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 Public Works Director.
2. Classes of Building Permits (Amended 2/4/91) There shall be two (2) classes of building sewer permits: (a) for residential and commercial service, and (b) for service to establishments producing industrial wastes. In either case, the owner or his agent shall make application on a special form furnished by the city. The permit application shall be supplemented by any plans, specifications or other information considered pertinent in the judgment of the Public Works Director. A permit and inspection fee of fifty dollars (\$50.00) for a residential or commercial building sewer permit and negotiated fee based upon use for an industrial user producing industrial wastes shall be paid to the city at the time the application is filed. The city council may waive the fifty dollars (\$50.00) per unit fee for residential or commercial developer with the development of five (5) or more units provided that the developer is installing all lines, taps, and connections at his expense. The inspection fee would then be the hourly rate of the public works director as established in the schedule of fees multiplied by the actual hours used during the inspection. In addition to the permit and inspection fee, the owner shall also pay to the City of Woodbine a thirty dollar (\$30.00) security deposit, which is refundable upon discontinuance of service. No refundable deposits shall be returned to anyone, unless all indebtedness owing to the city under this ordinance shall be paid in full.
3. Building Costs All costs and expenses incident to the installation and connection of the building sewer shall be borne by the owner. The owner shall indemnify the city from any loss or damage that may directly or indirectly be occasioned by the installation of the building sewer.
4. One Sewer Per Building 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 and the whole considered as one building sewer.
5. Existing Sewers Old building sewers may be used in connection with new buildings only when they are found, on examination and test by the Public Works Director to meet all requirements of this ordinance.
6. Sewer Construction and Materials The building sewer shall be cast iron pipe; ASTM 1251 Class 50 Ductile Iron, ASTM or PVC Specifications SDR 35

Sec. 7-104 Building Sewers and Connections (Continued)

conforming to ASTM 3034. Joints shall be tight and waterproof. Any part of the building sewer that is located within ten (10) feet of a water service shall be constructed of cast iron soil pipe. Cast iron pipe may be required by the Public Works Director where the building sewer is exposed to possible damage by tree roots. If installed in filled or unstable ground, the building sewer shall be of cast iron soil pipe, except that non-metallic material may be accepted if laid on a suitable concrete bed or cradle as approved by the Public Works Director. All joints and connections shall be made gastight and watertight.

7. Size and Slope of Sewer The size and slope of the building sewer shall be subject to the approval of the public works director, but in no event shall the diameter be less than four (4) inches. The slope of such 4-inch (4") pipe when installed in a horizontal position shall not be less than one-eighth (1/8) inch per foot nor more than one quarter (1/4) inch per foot.
8. Elevation of Sewer Whenever possible, the building sewer shall be brought to the building at an elevation below the basement floor. In all buildings in which any building drain is too low to permit gravity flow to the public sewer, sanitary sewage carried by such building drain shall be lifted by an approved means and discharged into the building sewer.
9. Bearing walls and alignment No building sewer shall be laid parallel to or within three (3) feet of any bearing wall, which might thereby be weakened. The building sewer shall be laid at a uniform grade and in straight alignment insofar as possible. Changes in direction shall be made only with properly curved pipes and fittings.
10. Open Trench Work All excavations required for the installation of a building sewer shall be open trench work unless otherwise approved by the Public Works Director. Pipe laying and back fill shall be performed in accordance with ASTM Specification C12; except that no back fill shall be placed until the work has been inspected.
11. Surface Runoff and Groundwater No person shall make connection of roof downspouts, exterior foundation drains, areaway drains, or other sources of surface runoff or groundwater to a building sewer or building drain which in turn is connected directly or indirectly to a public sanitary sewer.
12. Connection Rules and Regulations The connection of the building sewer into the public sewer shall conform to the requirements of the building and plumbing code or other applicable rules and regulations of the city, or in amplifications of the ASTM and the WPCP Manual of Practice Number Nine. All such connections shall be made gastight and materials must be approved by the Public Works Director before installation.

Sec. 7-104 Building Sewers and Connections (Continued)

13. Connection at "Y" Branch The connection of the building sewer into the public sewer shall be made at the "Y" branch, if such branch is available at a suitable location. If the public sewer is twelve (12) inches in diameter or less, and no properly located "Y" branch is available, a neat hole may be cut into the public sewer to receive the building sewer, which entry in the downstream direction can be of any angle of about forty-five (45) degrees. A forty-five (45) degree ell may be used to make such connection, with the spigot end cut so as not to extend past the inner surface of the public sewer. A smooth, neat joint shall be made, and the connection made secure and watertight by encasement in concrete. Special fittings may be used for the connection only when approved by the public works director.
14. Notice for Inspection and connection The applicant of the building sewer permit shall notify the Public Works Director when the building owner is ready for inspection and connection to the public sewer. The connection shall be made under the supervision of the Public Works Director or his representative.
15. Excavation: Barricades and Notice All excavations for building sewer installations shall be adequately guarded with barricades and lights so as to protect the public from hazard. Prior to excavation, blockage, disruption, or any disturbance of any public street, road, highway, byway, sidewalk or other public right-of-way, notification must be made to and approval obtained from the Public Works Director at least seventy-two (72) hours in advance of such excavation, blockage, disruption or disturbance. Streets, sidewalks, parkways, and other public property disturbed in the course of the work shall be restored in a manner satisfactory to the city.
16. Industrial Waste Any industry or establishment introducing industrial waste to the system shall agree to comply with the U.S. Environmental Protection Agency's pretreatment regulations.

Sec. 7-105 Use of the Public Sewers

1. Storm Water, Runoff, Cooling Water, etc. No person shall discharge or cause to be discharged any storm water, surface water, groundwater, roof runoff, subsurface drainage, uncontaminated cooling water, or unpolluted industrial process waters to any sanitary sewer.
2. Unpolluted Discharges Storm 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 Public Works Director. Industrial cooling water or unpolluted process waters may be discharged, on approval of the Public Works Director, to a storm sewer, combined sewer, or

natural outlet.

3. Prohibited Discharges No person shall discharge or cause to be discharged any of the following described waters or wastes to any public sewers:
  - a. Any gasoline, benzene, naphtha, fuel oil, or other flammable or explosive liquid, solid or gas.
  - b. Any waters or wastes containing toxic or poisonous solids, liquids, or poisonous solids, liquids, or gases in sufficient quantity, either singly or by interaction with other wastes, to injure or interfere with any sewage treatment process, constitute a hazard to humans or animals, create a public nuisance, or create any hazard in the receiving waters of the sewage treatment plant, including, but not limited to cyanides in excess of 0.2 mg/l as CN in the wastes as discharged to the public sewer.
  - c. Any waters or wasted having a pH lower than 5.5 or having any other corrosive property capable of causing damage or hazard to structure, equipment, and personnel of the sewage works.
  - d. Solid or viscous substances in quantities or of such size capable of causing obstruction to the flow in sewers, or other interference with the proper operation of the sewage works such as, but not limited to, ashes, cinders, sand, mud, straw, shavings, metal, glass, rags, feathers, tar, plastics, wood, unground garbage, whole blood, paunch manure, hair and fleshings, entrails, and paper dishes, cups, milk containers, etc., either whole or ground by garbage grinders.
  - e. No person shall discharge or cause to be discharged the following described substances, materials, waters, or wastes if it appears likely in the opinion of the Public Works Director that such wastes can harm either the sewers, sewage treatment process, or equipment, have an adverse effect on the receiving stream, or can otherwise endanger life, limb, public property, or constitute a nuisance. In forming his opinion as to the acceptability of these wastes, the Public Works Director will give consideration to such factors as the quantities of subject wastes in relation to flows and velocities in the sewers, materials of construction of the sewers, nature of the sewage treatment plant, degree of treatability of wastes in the sewage treatment plant, and other pertinent factors. The substances prohibited are:
    - (1) Any liquid or vapor having a temperature higher than one hundred fifty (150) degrees F (65 degrees C).

Sec. 7-105 Use of the Public Sewers (Continued)

- (2) Any water or waste containing fats, wax, grease, or oils, whether emulsified or not, in excess of one hundred (100) mg/l or containing substances which may solidify or become viscous at temperatures between thirty-two (32) and one hundred fifty (150) degrees F (0 and 65 degrees C).
- (3) Any garbage that has not been properly shredded. The installation and operation of any garbage grinder equipped with a motor of three-fourths (3/4) horsepower (0.76 HP metric) or greater shall be subject to the review and approval of the Public Works Director.
- (4) Any waters or wastes containing strong acid iron pickling wastes, or concentrated plating solutions whether neutralized or not.
- (5) Any water or wastes containing toxic or poisonous substance that exceed limits established by the Public Works Director, Georgia Environmental Protection Division or the U.S. Environmental Protection Agency.
- (6) Any wastes containing noxious or malodorous gas or substance, capable of creating a public nuisance or hazard to life or preventing entry into sewers for their maintenance, inspection, and repair, including but not limited to hydrogen sulfide, sulfur dioxide and nitrous oxide in excess of 1.0 mg/l.
- (7) Any radioactive wastes or isotopes of such half-life or concentration as may exceed limits established by the Public Works Director in compliance with state or federal regulations.
- (8) Any waters or wastes having a pH in excess of 9.5.
- (9) Materials which exert or cause:
  - (a) Unusual concentrations of inert suspended solids (such as, but not limited to, Fullers earth, lime slurries and lime residues) or of dissolved solids (such as, but not limited to, sodium chloride and sodium sulfate).
  - (b) Excessive discoloration (such as, but not limited to, dye, wastes and vegetable tanning solutions).
  - (c) Unusual BOD, chemical oxygen demand or chlorine requirements, in such quantities as to constitute a significant load on the sewage treatment works.

Sec. 7-105 Use of the Public Sewers (Continued)

- (d) Unusual volume of flow or concentration of wastes constituting “slugs” as defined herein.
  - (10) Waters or wastes containing substances which are not amenable to treatment or reduction by the sewage treatment process employed, or are amenable to treatment only to such degree that the sewage treatment plant effluent cannot meet the requirements of other agencies having jurisdiction over discharge to the receiving waters.
  - (11) Water or wastes having a five-day Biochemical Oxygen Demand in excess of three hundred (300) parts per million by weight on a 24-hour composite basis, or for any sample period having a five-day BOD in excess of 2 times the average influent value for the affected sewage treatment plant during the previous calendar year.
  - (12) Water or wastes having a suspended solids content in excess of three hundred fifty (350) parts per million by weight on a twenty-four (24) hour composite basis or having a suspended solids content for any sample period greater than two (2) times the average influent value for the affected sewage treatment plant during the previous calendar year.
4. Evaluation of Section 7-104 Substances If any waters or wastes are discharged, or are proposed to be discharged to the public sewers, which waters contain the substances or possess, the characteristics enumerated in Section 7-104, and which in the judgment of the Public Works Director, may have a deleterious effect upon the sewage works, processes, equipment, or receiving waters, or which otherwise create a hazard to life or constitute a public nuisance, the Public Works Director may:
- a. Reject the wastes;
  - b. Require pretreatment to an acceptable condition for discharge to the public sewers;
  - c. Require control over the quantities and rates of discharge; and/or
  - d. Require payment to cover the added cost of handling and treating the wastes not covered by existing taxes or sewer charges under the provision of this ordinance.

If the Public Works Director permits the pretreatment or equalization of waste flows, the design and installation of the plants and equipment shall be subject to the review and approval of the Public Works Director, and subject to the

requirements of all applicable codes, ordinances and laws.

5. Grease, Oil, and Sand Interceptors Grease, oil, and sand interceptors shall be provided when, in the opinion of the Public Works Director, they are necessary for the proper handling of liquid wastes containing grease in excessive amounts, or any flammable wastes, sand, or other harmful ingredients; except that such interceptors shall not be returned for private living quarters or dwelling units. All interceptors shall be of a type and capacity approved by the Public Works Director, and shall be located as to be readily and handling of liquid wastes containing grease in excessive amounts, or any flammable wastes, sand, or other harmful ingredients; except that such interceptors shall be of a type and capacity approved by the Public Works Director, and shall be located as to be readily and easily accessible for cleaning and inspection.
6. Preliminary Treatment and Flow Equalizing Systems Where preliminary treatment or flow-equalizing facilities are provided for any waters or wastes, they shall be maintained continuously in satisfactory and effective operation by the owner at his expense.
7. Manhole for Industries When required by the Public Works Director, the owner of any property serviced by a building sewer carrying industrial wastes shall install a suitable control manhole together with such necessary meters and other appurtenances 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 Public Works Director. 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.
8. Examination of Water All measurements, tests, and analyses of the characteristics of waters and wastes to which reference is made in this Ordinance shall be determined in accordance with the latest edition of "Standard Methods for the Examination of Water and Wastewater", and shall be determined at the control manholes provided, 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 which the building sewer is connected. Sampling shall be carried out by customarily accepted methods to reflect the effect of constituents upon the sewage works and to determine the existence of hazards, to life, limb, and property. (The particular analyses involved will determine whether a twenty-four (24) hour composite of all outfalls of a premise is appropriate or whether a grab sample or samples should be taken. Normally, but not always, BOD and suspended solids

Sec. 7-105 Use of the Public Sewers, (Continued)

analyses are obtained from 24-hour composites of all outfalls whereas pH's are determined from periodic grab samples).

9. Industrial Agreement with City No statement contained in this section shall be construed as preventing any special agreement or arrangement between the city and any industrial concern whereby an industrial waste of unusual strength or character may be accepted by the city for treatment, subject to payment therefore, by the industrial concern.

Sec. 7-106 Protection From Damage

No person shall maliciously, willfully, or negligently break, damage, destroy, uncover, deface, or tamper with any structure, appurtenance, or equipment which is a part of the sewerage works.

Sec. 7-107 Powers and Authorities of Inspectors

1. The Public Works Director and other duly authorized employees of the city bearing proper credentials and identification shall be permitted to enter all properties for the purposes of inspection, observation, measurement, sampling and testing in accordance with the provision of this Ordinance.
2. While performing the necessary work on private properties referred to in Section 7-107 above, the Public Works Director or duly authorized employees of the city shall observe all safety rules applicable to the premises.

Sec. 7-108 Penalties

Any person who shall violate the provision of this Ordinance, upon conviction thereof be punished by a fine of not more than one thousand dollars (\$1,000.00) for each violation or six (6) months in jail or both. Each day in which such a violation shall continue shall constitute a separate offense and violation.

Sec. 7-109 Water Service Rates and Charges

1. Application for Water Service

The consumer shall make application for water service in person, at the City Hall of the City of Woodbine, Georgia, and at the same time and place shall make a cash security deposit as follows:

**Residential Service-** \$60.00 (Revised 5/5/03)

Sec. 7-109 Water Service Rates and Charges (Continued)

**Commercial Service-** Deposit shall equal two (2) months average bill based on the last 12 months of service at the service location. Where there is no prior service at the service location, deposit shall be calculated on two (2) months of base charges plus the average monthly usage for two (2) months as estimated in Section 7-111.5b, Sewer Charges of this ordinance. (Revised 12/1/97)

**Industrial Service-** By contract.

2. **Water Connection Charges:** A water connection charge to compensate the city for the expense of making water connections shall be paid by each user. The water connection charge shall be as follows: (Revised 4/19/10)

Residential- \$1100.00 for ¾-inch meter (Revised 12/19/11)

<b>Commercial/Industrial</b>	
¾-inch meter	\$2,000
1-inch meter	\$1,800 plus meter cost
1 ½-inch meter	\$2,500 plus meter cost
2-inch meter	\$4,000 plus meter cost
3-inch meter	\$10,600 plus meter cost
4-inch meter	\$17,600 plus meter cost

In all cases of new multiple type users, the City will require individual meters for each unit.

Where depth of connection, pavement, sidewalks, or other physical conditions cause excess installation costs by the City, these costs will be assigned to the user as connection charges.

There shall be no labor charge for the first 3 hours of work. All work over 3 hours shall be billed to the customer. The customer shall be billed for in excess of fifty (50) feet and any other materials not normally used in connection to water pipe at costs.

3. See Appendix A at the end of section for base charges and user rates.

The minimum base charge for the availability of the water system shall be the same as the base charge for water as set out herein provided a public water main is within one hundred (100) feet of the property line of said residence, business or industry. The base charge shall not apply to unoccupied residences, businesses or industries provided no water service is turned on. (7/5/83 Council Meeting Minutes).

4. Complaints or Disputes If the consumer believe his bill is in error, he shall

Sec. 7-109 Water Service Rates and Charges (Continued)

present his claim, in writing at the City Hall of the City of Woodbine, before the bill becomes delinquent. Such claim, if made after the bill has become delinquent, shall be effective in preventing discontinuance of service as heretofore provided. The consumer may pay such bill under protest and said payment shall not prejudice his claim.

If the seal of a meter is broken by other than a city representative, or if the meter fails to register correctly or is topped for any cause, the consumer shall pay an amount estimated from the record of his previous bills and/or from other proper data.

5. Adjustments The City Administrator shall be authorized to make adjustments of water bills for the following reasons:
  1. Computer or clerical error;
  2. Erroneous meter reading;
  3. Malfunctioning water meter;
  4. To resolve disputes concerning bills. But in no case, shall such adjustment cover more than two billing cycles.
  5. In cases of excessively high water usage. But in no case, shall such adjustment cover more than two billing cycles.(7-109.5 revised on 3/5/12)
6. Meter Requirements A meter is required to be installed in the water connection to each building, or to each unit of a multifamily or business building, whether public or private, except for approved fire protection lines. If a second meter, not otherwise required by this Ordinance, is installed for the purpose of metering water for irrigation or other non-sewer uses, there shall be no base charge applied to the second meter.

This provision shall not apply to any building having one connection to water or sewer service in a multi-unit building, existing on May 1, 1981, provided that any new structures must provide separate meters for each unit unless the Public Works Director determines that additional meters would not be feasible. Hotels, motels, boarding houses, and other establishments providing temporary lodging facilities shall not be required to have more than one meter.

7. Fire Hydrant Rental (Revised 7/1/91) The charge to the City for the privilege of taking water from the waterworks system through its fire hydrants shall be determined by the City Council yearly at the meeting in which the annual budget is approved.

Sec. 7-109 Water Service Rates and Charges (Continued)

8. Water Service for Fire Protection Purposes (Revised 6/3/02) Rates for standby water service for sprinkling or other fire protection systems in buildings shall be shown on Appendix A (located at back of Section 7-109).

The expense of all such connections to an extension from the water mains shall be borne by the user. No taps will be allowed which may be used for other than fire protection purposes, and there shall be no connection with any other source of water except in case a tank or fire pump is installed as a secondary supply for such fire protection purposes. See Appendix A as of 6/3/02.

9. Bills Bills for water shall be rendered monthly, and no discount shall be allowed for prompt payment thereof. If any bill shall not be paid before the twentieth (20<sup>th</sup>) day following the original date of billing, a charge equal to twelve percent (12%) of the amount of such bill shall be added thereto. If any bill shall not be paid within thirty (30) days from the original date of billing, service shall be discontinued. In the event that service is discontinued for non-payment of bills, the premises shall be disconnected from the waterworks system of the city. Water bills constituted indebtedness to the city and are collectable in the same manner as property taxes or through the Small Claims Court of Camden County. (6-6-83 Council's minutes).

10. Reconnection Fees There shall be a reconnection charge of fifteen dollars (\$15.00) for reconnecting a service which was discontinued for non-payment of water bills. The reconnection charge is in addition to additional deposit fees, and payment in full of the past due amounts outstanding.

If reconnection of services is performed after regular working hours, on holidays or weekends, the reconnection fee shall be fifty dollars (\$50.00). (Added 12/1/97)

11. Special Contract Rates Nothing in the above schedule referring to retain water rates shall restrict the City Council's authority, with the approval of the City's consulting engineers, to modify its excess water rates, by special contractual agreement to serve industrial or other large users, regularly having a water demand in excess of two hundred thousand (200,000) gallons monthly.

Sec. 7-109 Water Service Rates and Charges (Continued)

12. Returned Check Fees

- a. Checks returned by banking institutions for any reason shall be subject to a twenty five dollar (\$25.00) returned check fee.
  - b. When a check is returned, the customer shall be notified by a door tag on the same day the check is returned which states that services will be discontinued at 5:00 p.m. two (2) business days from the date the check was returned unless payment is made prior to that time. The tag shall give the total amount due (amount of check plus the returned check fee).
  - c. Any customer having two (2) returned checks shall no longer be allowed to pay for services with a personal check. All future payments shall be made by cash, money order, or cashier's check.
  - d. The City Administrator may, at his discretion, waive or remove the returned check fee or penalty.
13. Administration Fee A fee of fifteen dollars (\$15.00) shall be charged each time that disconnection of water services for non-payment of past due amounts is temporarily waived. (Added 12/1/97)

Sec. 7-110 Miscellaneous Water Provisions

1. Use of Revenues The intent of this ordinance is to provide adequate water revenues, supplemented by sewer revenues, to pay for the operation and

maintenance of the waterworks and sewer systems of the city, to support the payment of the principal and interest on any loan to the city from time to time for the purpose of making extensions and improvements to such utilities; to establish and maintain a fund sufficient to make extensions and repairs thereto; and providing that all funds collected hereunder shall be segregated, maintained, and disposed of as provided herein; provided further that the funds to be derived from such utility may be pledged by the City Council by a proper ordinance or resolution for the purpose of securing funds by the sale of water and sewer bonds or certificates for the purpose of repairing and/or extending such utilities including plant or any system segment thereof.

2. Connection to Potable Water Supply The owner of each house, building, or other property used for human occupancy, employment, recreation or other purposes requiring plumbing and connection thereto of a potable water supply and situated within the city 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 water main of the city, is hereby required at his expense to connect such plumbing with the proper public water main in accordance with the provisions of this ordinance, within ninety (90) days after date of official written notice to do so, provided that a public water main is located within five hundred (500) feet of the property line of said residence, business or industry.
3. Supply by City The city undertakes to use a reasonable care and diligence to provide a constant supply of water at a reasonable pressure to customers, but reserves the right at any time, without notice, to shut off the water in its mains for the purpose of making repairs or extensions, or for other purposes, and the city shall not be liable for a deficiency or failure in the supply of water, or the pressure thereof for any cause whatsoever, or for any damage caused thereby or for the bursting and breaking of any main or service pipe or any attachment to the city's property. All customers having installations upon their premises depending upon pressure in the city's pipes to keep them supplied are cautioned against danger of collapse and all damage shall be borne exclusively by the customer.
4. Cross-connections In the interest of public health, the city will not permit its main or services to be connected with any service pipe or piping which is connected with any service pipe or piping which is connected with any other source of water supply. The city will also not permit its mains or service pipes to be connected in any way to any piping, tank, vat or other matter which might flow back into the city's service pipe or mains and consequently endanger the water supply.

Sec. 7-110 Miscellaneous Water Provisions (Continued)

5. Restrictions upon Use The city reserves the right, in periods of drought or emergency or when deemed essential to the protection of the public health,

safety and welfare, to restrict, curtail or prohibit the use of water for secondary purposes, such as sprinkling, car washing, or filling swimming pools, and shall have the right to fix the hours and period when water may be used for such purposes. Should the customer require water with different pressures or of different quality or in any way different from that normally supplied by the city, he shall be responsible for the necessary devices to make these adjustments. In case of different pressures desired, the devices must be approved by the city.

6. Consumer's Responsibility and Liability Water furnished by the City of Woodbine shall be used for the consumption by the consumer, members of his household and employees only. The consumer shall not sell water to any person or permit any other person to use said water. Water shall not be used for irrigation, fire protection or other purposes, except when water is available in sufficient quantity without interfering with the regular domestic consumption in the area served. Disregard for this rule shall be sufficient cause for refusal and/or discontinuance of service.
    - a. Where a meter or meter-box is placed on the premises of a consumer, a suitable place shall be provided by the consumer therefore, unobstructed and accessible at all times to the meter reader.
    - b. The consumer shall furnish and maintain a private outside off valve on the consumer's side of the meter.
    - c. The consumer's piping and apparatus shall be installed and maintained by the consumer at the consumer's expense, in a safe and efficient manner, and in accordance with the sanitary regulations of the State Health Department.
    - d. In order to be received as a consumer and entitled to receive water from the city's water system, all applicants must first offer proof that any private wells located on their property are not physically connected to the lines of the city's water system and all applicants by becoming consumers of the city, covenant and agree that so long as they continue to be consumers of the city, they will not permit the connection of any private wells on their property to the city's water system.
  7. Access to Premises and Extensions of the System Duly authorized agents of the City of Woodbine shall have access at all hours to the premises of the consumer for the purpose of installing or removing the city property, inspecting piping, reading and testing meters, or for any other purpose in
- Sec. 7-110 Miscellaneous Water Provisions (Continued)

connection with the water service and its facilities, and the sewer service and its facilities. Extensions to the sewer system shall be made only when the

consumer shall grant or convey, or shall cause to be granted or conveyed, to the City of Woodbine, a permanent easement of right-of-way across any property traversed by the water and sewer lines. Non-payment for sixty (60) days after original due date will allow the city, in addition to all other rights and remedies, to terminate agreement and in such event, the water user shall not be entitled to receive, nor the city obligated to supply any water under this agreement.

8. Change of Occupancy Not less than three (3) days' notice must be given, in person or in writing, at the City Hall of the City of Woodbine, to discontinue water service or to change occupancy. The outgoing party shall be responsible for all water consumed up to the time of departure, or the time specified for departure, whichever is longer. The new occupant shall apply the water service within forty-eight hours after occupying the premises and failure to do so will make him liable for paying for the water consumed since the last meter reading.
9. Discontinuance of Service The city reserves the right to discontinue service without notice for the following reasons:
  - a. To prevent fraud or abuse.
  - b. Consumer's willful disregard of the city's rules and regulations.
  - c. Emergency repairs.
  - d. Insufficiency of water supply due to circumstances beyond the city's control.
  - e. Legal processes.
  - f. Direction of public authorities.
  - g. Strike, riot, fire, flood, unavoidable accident.

Sec. 7-111 Sewer Rates and Special Charges

1. There is hereby established a uniform schedule of rates, other charges for the use, or reasonable availability for use, of the services and facilities of the municipal sanitary sewer system, by each residence, each unit of a multi-family residence, business establishment, public building, or other type of private building producing domestic sewage and/or wastewater.

Sec. 7-111 Sewer Rates and Special Charges (Continued)

This provision shall not apply to any building having one connection to water or sewer service in a multi-unit building existing on May 1, 1981, provided

that all new structures or subdivisions of existing structures shall have each unit billed individually unless the Public Works Director determines that additional metering would not be feasible. Hotels, motels, boarding houses and other establishments providing temporary lodging facilities shall pay the sewer rate as one business.

a. Sewer Rates

See Appendix A at end of section for base charge and user rates.

2. Sewer Charges The base charge for the availability of the sewer system shall be the same as the base charge for sewer as herein set out, provided a public sewer main is within one hundred (100) feet of the property line of said residence, business, or industry.

The base charge shall not apply to unoccupied residences, businesses or industries provided that no water service, city, or otherwise, is turned on.

3. Complaints or Disputes If the consumer believes his bill is in error, he shall present his claim, in writing at the City Hall of the City of Woodbine, before the bill becomes delinquent. Such claim, if made after the bill has become delinquent, shall not be effective in preventing discontinuance of service as heretofore provided. The consumer may pay such bill under protest and said payment shall not prejudice his claim.
4. Adjustments The City Administrator shall be authorized to make adjustments of water bills for the following reasons:
- a. Computer or clerical error.
  - b. Erroneous meter readings.
  - c. Malfunctioning water meter.
  - d. Leaks in water line where water did not enter the sewer system. But in no case, shall such adjustment cover more than two billing cycles.
  - e. To resolve disputes concerning bills. But in no case, shall such adjustment cover more than two billing cycles.
- (Section 7-111.4 revised 3/5/12)

5. Sewer Charges Sewage system users who are not water system users shall be charged for sewer service in one of the following ways:
- a. At the request of the user, the City may elect to permit the user to pay sewage service charges based on water meter readings of non-city

Sec. 7-111 Sewer Rates and Special Charges (Continued)

supplied water. The meter or meters shall be installed under the supervision of the Public Works Director on all water supplies and the

meter readings shall be used to compute the monthly sewer service charges in accordance with this ordinance. The meters shall be of the type and style specified by the City and shall be supplied and installed at the expense of the user.

- b. Where the metering of water usage is impractical or unwanted, the City may elect to assess sewer service charges for various installations based on sewage flows estimated by the State of Georgia Environmental Protection Division as follows:

Sec. 7-111 Sewer Rates and Special Charges (Continued)

<u>Type Installation</u>	<u>Sewage Flow, Gallons per Day</u>
Apartments and Condominiums:	
1 Bedroom	175
2 Bedroom	250
3 Bedroom	325
4 Bedroom	400
Bowling Alley:	
Per Lane	125
Per Employee	25
Overnight Camping Grounds:	
Per Space	175
Church:	
Per Seat	5
Coin Laundries:	
Per Washing Machine	400
Hospitals and Jails:	
Per Bed	200
Industrial:	
Per Employee	25
Per Employee with Showers	35
Nursing Homes:	
Per Bed	125
Per Employee	25
Mobile Home Parks:	
Per Space	300
Motel, Hotel:	
Per Unit	100
Medical:	
Per 1,000 Square Feet:	500
Offices:	
Per Employee	25
Per 1,000 Square Feet:	175

Sec. 7-111 Sewer Rates and Special Charges (Continued)

<u>Type Installation</u>	<u>Sewage Flow, Gallons per Day</u>
Residences:	
1 Person	100
2 Persons	150
3 Persons	200
4 Persons	250
More than 4 Persons	400
Restaurants:	
Per Seat, Without Garbage Grinder	45
Per Seat, With Garbage Grinder	55
Per Employee	25
Schools:	
General	12
Cafeteria	4
Cafeteria with Garbage Grinder	5
Gym	4
Service Stations:	
Per Car	10
Per Employee	25
Stores, Shopping Centers:	
Per 1,000 Square Feet	100
Theatres:	
Per Seat	5
Auditoriums, Convention Centers, Assembly Halls (No Food Service):	
Per Capita	10
Warehouses:	
Per 1,000 Square Feet	25

6. Security Deposit The consumer shall make application for sewer service in person, at the City Hall of the City of Woodbine, Georgia, and at the same time and place shall make a cash security deposit as follows:

Residential Service (Revised 5/5/03) - \$60.00

Sec. 7-111 Sewer Rates and Special Charges (Continued)

Commercial Service (Rates Revised 12/1/97) - Deposit shall equal two (2) months average bill based on the last 12 months of service at the service location. Where there is no prior service at the service location, deposit shall be calculated on two (2) months of base charges plus the average monthly usage for two (2) months estimated in Section 7-111.5b, Sewer Charges of this ordinance.

Industrial Service- By contract.

7. Sewer Connection Charge (Revised 4/19/10) A sewer connection charge to compensate the City for the expense of making sewer connections shall be paid by each user. The sewer connection charge shall be as follows:

Residential (Revised 12/19/11) - \$700.00

Commercial/Industrial- Fee shall be \$4,000 minimum and determined by average daily flow according to the following table:

<b>Type Installation</b>	<b>Sewage Flow, Gallon per Day</b>	<b>\$ Per Unit</b>
<b><i>Apartments and Condominiums</i></b>		
1 Bedroom	175	\$4,000
2 Bedroom	250	\$4,000
3 Bedroom	325	\$4,000
4 Bedroom	400	\$4,000
<b><i>Bowling Alley:</i></b>		
Per Lane	125	\$1,250
Per Employee	25	\$ 250
<b><i>Overnight Camping Grounds:</i></b>		
Per Space	175	\$1,750
<b><i>Church:</i></b>		
Per Seat	5	\$ 50
<b><i>Coin Laundries:</i></b>		
Per Washing Machine	400	\$4,000
<b><i>Hospitals and Jails:</i></b>		
Per Bed	200	\$2,000
<b><i>Industrial:</i></b>		
Per Employee	25	\$ 250
Per Employee with Showers	35	\$ 350
<b><i>Nursing Homes:</i></b>		
Per Bed	125	\$1,250
Per Employee	25	\$ 250
<b><i>Mobile Home Parks:</i></b>		

Per Space	300	\$3,000
<b><i>Motel, Hotel:</i></b>		
Per Unit	100	\$1,000
<b><i>Medical:</i></b>		
Per 1,000 Square Feet	500	\$5,000
<b><i>Offices:</i></b>		
Per Employee	25	\$ 250
Per 1,000 Square Feet	175	\$1,750
<b><i>Restaurants:</i></b>		
Per Seat, Without Garbage Grinder	45	\$ 450
Per Seat, With Garbage Grinder	55	\$ 550
Per Employee	25	\$ 250
<b><i>Schools:</i></b>		
General	12	\$ 120
Cafeteria	4	\$ 40
Cafeteria with Garbage Grinder	5	\$ 50
Gym	4	\$ 40
<b><i>Service Stations:</i></b>		
Per Car	10	\$ 100
Per Employee	25	\$ 250
<b><i>Stores, Shopping Centers:</i></b>		
Per 1,000 Square Feet	100	\$1,000
<b><i>Theatres:</i></b>		
Per Seat	5	\$ 50
<b><i>Auditoriums, Convention Centers, Assembly Halls (No Food Service):</i></b>		
Per Capita	10	\$ 100
<b><i>Warehouses:</i></b>		
Per 1,000 Square Feet	25	\$ 250

Where depth of connection, pavement, sidewalks, or other physical conditions cause excess installation cost by the City, these costs will be assigned to the user as connection charges. There shall be no labor charge for the first 3 hours of work. All work over three (3) hours shall be billed to the customer. The customer shall be billed for in excess of fifty (50) feet and any other materials not normally used in connection to sewer pipe at cost.

8. No Free Sewer Service There shall be no free service rendered by the municipal sewer system. Whether actually connected to the sewer system or not, sewer service shall be considered as rendered to the customer and the monthly sewer service charge shall be imposed, provided the City has made

Sec. 7-111 Sewer Rates and Special Charges (Continued)

available a sewer line located at a satisfactory below, ground elevation in a street, alley, or easement adjacent to the lot or parcel of the property and within reasonable proximity of the structure to be served, it having been deemed essential to the health and wellbeing of the citizens that the City expend funds to make such service available. Such sewer service charges shall be imposed as set forth in this Ordinance.

9. Bills Bills for sewer shall be rendered monthly to the owner or occupant of the premises served by the sewer system and no discount shall be allowed for prompt payment thereof. If any bill shall not be paid before the twentieth (20<sup>th</sup>) day following the original date of billing, a charge equal to twelve percent (12%) of the amount of such bill shall be added thereto. If any bill shall not be paid within thirty (30) days from the original date of billings, service shall be discontinued with no notice required. In the event the occupancy is someone other than the owner, as in rental property, the owner shall be liable for the unpaid bill, provided that the city has given written notice of the delinquency by first class mail to the owner at their last known address or the address on record in the Camden County Tax Assessor's office within ninety (90) days of the date the bill is delinquent. In the event the city fails to notify the owner as provided above, the owner shall not be liable for the sewer bill until the city provides written notice, at which time the owner becomes liable for the current bill and any future bills, but is not liable for any bills due before notice was given. The owner shall not be liable for sewer usage bill in excess of the amount accumulated thirty (30) days from the original billing date, provided the premises is connected to the city water system, but shall be liable for the base charge during the entire period of occupancy. If the premises are connected to any other than the city water system, the owner shall be liable for the entire charge during the period of occupancy. All sewer bills constitute indebtedness to the city and are collectable in the same manner as property taxes or through the small claims court of Camden county. In the event that service is discontinued for non-payment of bills, the premises shall be disconnected from the sewer system of the city. (6-6-83 Commissioner's minutes).
10. Reconnection Charges If sewer is physically disconnected for non-payment of sewer service charges, there shall be imposed a reconnection charge equivalent to a tap fee in addition to any reconnection charges for water service and other penalties incurred due to such interruption of service.
11. Other Fees The charges hereinbefore set forth shall in no way void requirements to pay other plumbing inspection and permit fees as may be adopted from time to time.

Sec. 7-111 Sewer Rates and Special Charges (Continued)

12. Records; City Administrator It shall be the duty of the City Administrator to keep a record of all parties who are connected to the sanitary sewage system and to make changes in conformance with the rates herein established. The City Administrator shall bid for such service in the same manner and according to the methods used for billing for water service furnished by the city.
13. Accessible Sewer Main No water service shall be furnished by the city to any new building, residence or other structure having a sewer main located within one hundred (200) feet of the property line unless such business, residence or other structure is to be connected with the city sewer; and no septic tank or other individual sewage disposal method shall be utilized for any such new building, residence or other structure having a sewer main within one hundred (200) feet of the property line.
14. Returned Check Fees
  - a. Checks returned by banking institutions for any reason shall be subject to a \$15.00 returned check fee. (Amended 9/5/89)
  - b. When a check is returned, the customer shall be notified by a door tag on the same day the check is returned which states that services will be discontinued at 5:00 p.m., two (2) business days from the date the check was returned unless payment is made prior to that time. The tag shall give the total amount due (amount of check plus the returned check fee).
  - c. Any customer having two (2) returned checks shall no longer be allowed to pay for services with a personal check. All future payments shall be made by cash, money order or cashier's check.
  - d. The City Administrator may, at his discretion, waive or remove the returned check fee or penalty.

Sec. 7-112 Industrial User Charge System

Industrial users charge system shall be based on a system of charges which will assure that each recipient of waste treatment service will pay its proportionate share of the costs of operation and maintenance, including replacement. Each industrial user charge shall be based on measured proportional contribution to the total treatment works loading considering the factors of strength, volume, and delivery flow rate characteristics of the wastewater.

Sec. 7-113 Water Conservation Plan

As a condition of the City's request to withdraw water from the Floridian Aquifer for use in its water system, the City is required to develop a water conservation plan which is to be submitted to the Georgia Environmental Protection Division for approval. The plan shall initially be submitted to the Woodbine City Council for approval at the March, 1996 meeting and thereafter the plan shall be updated and submitted for approval to the City Council annually at the March meeting.

A copy of the Water Conservation Plan shall be kept on file at City Hall.

## Water Conservation Plan

City of Woodbine, Georgia

A condition of the City's request to withdraw water for use in its water system requires that a water conservation plan be developed and submitted to the Georgia Environmental Protection Division.

The following is the Water Conservation Plan for the City of Woodbine, Georgia.

### 1. Introduction

The City of Woodbine owns and operates a water system for the benefit of the residents of the City. Raw water is taken from the Floridian Aquifer and is treated at the City's Water Treatment Plant. Water is then distributed to customers through the City's distribution system which consists of water lines ranging from 1 inch to 10 inches. The City presently has 480 water customers. From January, 1995 through December, 1995, the City sold 36,656,800 gallons of water.

The water system is maintained by City personnel who consist of the City Clerk, Director of Water/Wastewater Facilities and two additional employees. Billing and accounting are handled from City Hall through the City Clerk's Office.

### 2. System Management

#### 2.1 Determination of Unaccounted for Water in System

Leakage from the City's water distribution system from January, 1995 to December, 1995 is seventeen percent (17%). This includes water use for flushing hydrants and fire protection. The City flushes each of the approximately 64 hydrants twice per year. Based on an approximation of flushing water of 2,294,400 gallons per year the percent of unaccounted for water is 12%. Shown in Table I is the breakdown of unaccounted for water from January through December, 1995.

#### 2.2 Program for Leak Detection and Elimination

City personnel perform visual observations/inspections along water lines to detect leaks. Leak detection equipment is available for use where leaks are suspected. Any known leaks or line breaks are repaired promptly. The City has the in-house capability to repair leaks and breaks and maintains an inventory of replacement items.

2.3 Availability of Accurate Maps of the System

The City has completed an updated map of the water system. As built plans of future improvements will be kept on file. The Director of Water/Wastewater Facilities and other water system employees know the field location of the majority of lines and valves. The City's engineer also maintains record maps of the system and is available for assistance as needed.

2.4 Meter Maintenance and Testing

The City presently replaces old meters on an as needed basis. Larger commercial and industrial meters are checked for accuracy and recalibrated annually.

3. Treatment Plant Management

The water treatment plant has two full time certified water treatment system operators (2-III). The plant operator reports to the Director of Water/Wastewater Facilities and the Director reports to the City Administrator. The treatment plant has a rated design capacity of 0.120 mgd and consists of a well, pump station and sedimentation tank where chlorine disinfection and fluoride is added.

The water treatment plant is closely monitored to minimize over chlorination and elevated storage tank overflows.

4. Rate Making Policies

See Section 7-109 Water Service Rates and Charges and Section 7-110 Miscellaneous Water Provisions of the City of Woodbine Code of Ordinance (copy attached).

5. Establishment of Water Use Priorities

5.1 Conditions Requiring Initiation of Water Use Priorities

The principle conditions or events for water use priorities include the following:

- Lack of distribution capabilities due to line breaks, tank outages, etc.
- Various emergencies and acts of God such as prolonged power failures, major fires, storm damage, etc.

- Combinations of the above.

## 5.2 Priority Use System During Periods of Water Shortages

If water usage must be strictly curtailed or rationed, it is the policy of the City to seek compliance on a voluntary basis with coverage through the news media, by public announcements and personal telephone calls. Police action or prosecution will be used, only as necessary for gross or repeated violations and in dire emergencies. Priorities on water usage will be established for each emergency or conditions requiring curtailed use of water, but generally the priorities will be as follows with ranking in order of listing.

- a. Household (human) necessity (drinking water, cooking, sanitation, etc.).
- b. Public necessity (hospitals, other public installations, public health sanitation, firefighting, etc.).
- c. Other firefighting water excluding grass and brush fires that can be otherwise extinguished or present on immediate danger to life and buildings.
- d. Livestock watering.
- e. Industry and commerce.
- f. Construction activities.
- g. Irrigation, lawn watering, and similar activities.
- h. Swimming pools and recreational water.
- i. Car washing and similar activities.
- j. Street cleaning and line flushing unless necessary for public health or to maintain water quality.

\*Schools and similar institutions may be temporarily closed, if necessary.

## 5.3 Restrictions on Lower Priority System

If circumstances require, various usages may be designated by time of day and/or time or week. As an example, irrigation may be allowed in early morning or later evening hours and days of week and times may be designated by areas.

5.4 Rationing and/or Other Emergency Procedures

Collection (storage) of water during off peak hours may also be encouraged, as well as the unnecessary use of water.

Re-use of water will be encouraged when practical; e.g., wash water for watering shrubbery.

6. Plumbing Ordinances and Codes

The present Water Ordinance generally prohibits cross-connections and/or interconnections. See Section 7-110, Miscellaneous Water Provisions, Paragraphs 6 and 7 (copy attached).

7. Recycle-Reuse

7.1 Recycle or Reuse of Treated Wastewater

The City presently utilizes Woodbine wastewater treatment plant, which provides secondary discharge. No re-use of effluents from this plant is anticipated by the City of Woodbine.

7.2 Recycle or Re-use of Cooling Water Rather than Once Through Use

No recycle/re-use is planned by the City. Large industries and large water users will be encouraged to recycle and process water. This encouragement is by not offering declining water rates for large users.

There are no water cooled air conditioning units (or other cooling water applications) in the system. If any are installed, the City will encourage recycling of the cooling water.

Most swimming pools in the City, except the smaller pools for children, already recycled water. Measures will also be implemented to program refilling of swimming pools during off peak hours as may be appropriate.

8. Additional Activities that Contribute to Water Conservation Efforts

Additional activities include education of City personnel in water conservation, advice and assistance to customers and water works personnel of other jurisdictions and public awareness measures.

Industries will also be encouraged to perform water conservation surveys and to recycle water

when feasible. The City presently has no heavy water using industries (paper mills, steel mills, etc.) and such heavy water using industries are not actively recruited to locate in the City.

City employees are given opportunities to attend seminars and conferences on water conservation; and also, encouraged to become members of GW&PCA, AWWA, Georgia Rural Water Association and other professional organizations which promote water conservation.

Low reading or broken water meters are replaced/repared when located. Customer complaints on high meter readings are given expeditious consideration. Very seldom is metering at fault and the customer is advised on finding leaks and ways to conserve water. City personnel assist in making leak surveys if conditions warrant.

The City fully cooperates on water conservation effort with EPA, EPD, other water utilities and other appropriate agencies.

9. Public Education Program for Regular Water Conservation as Well as During Drought and Emergencies When Drastic Measures are Required

It shall be the policy of the City to promote water conservation through public education and awareness. This shall be performed routinely for regular water conservation and intensified during droughts and emergencies. Among the public education measures, either already in practice or proposed, are the following:

- Talk to school groups, civic and other organizations.
- News releases and cooperations with media (newspapers, radio and TV)
- Assistance to and cooperation with conservation efforts by other appropriated entities.
- Pamphlets or booklets on water supply and conservation, from AWWA and others.

In the past, the press and news media have been very cooperative and objective in publicizing water shortages and emergencies. Local newspapers have periodically carried articles on long term water limitations and the need for water conservation. It shall be the continuing policy of the City to contribute to such publicity by furnishing necessary information and data.

Table I

**City of Woodbine  
Water Department  
Water Accountability Report**

**January through December 1995**

1995	Water Produced	Water Sold	Hydrant Usage	Leakage and Unaccounted	Hydrants and Fire Protection Usage	Unaccounted Water %
January	3,815,800	3,295,400	182,000	338,400	4.77%	8.87%
February	3,271,900	3,255,000	5,000	11,900	0.15%	0.36%
March	3,139,000	2,944,500	75,400	119,100	2.40%	3.79%
April	3,698,000	2,774,300	520,000	403,700	14.06%	10.92%
May	4,709,300	3,131,300	650,000	928,000	13.80%	19.71%
June	3,450,700	3,169,200	80,000	201,500	2.32%	5.84%
July	3,807,800	3,792,900	10,000	4,900	0.26%	0.13%
August	4,293,400	3,169,000	55,000	1,069,400	1.28%	24.91%
September	3,693,300	2,774,000	42,000	877,300	1.14%	23.75%
October	3,180,600	2,718,700	250,000	211,900	7.86%	6.66%
November	4,009,600	3,096,600	325,000	588,000	8.11%	14.66%
December	3,234,400	2,535,900	100,000	589,500	3.09%	18.23%
<b>Total</b>	<b>44,303,800</b>	<b>36,656,800</b>	<b>2,294,400</b>	<b>5,343,600</b>	<b>5.18%</b>	<b>12.06%</b>

Sec. 7-114 Wellhead Protection Ordinance

1. Short title and purpose

- a. This ordinance shall be known as the “Wellhead Protection Ordinance”.
- b. The purpose of this ordinance is to insure the provision of a safe and sanitary drinking water supply for the City by the establishment of wellhead protection zones surrounding the wellheads for all wells which are the supply sources for the City water system and by the designation and regulation of property uses and conditions which may be maintained within such zones.

2. Definitions

- a. Hazardous waste or material Any waste or material which because of its quantity, concentration, or physical, chemical or infectious characteristics may:
  - (1) Cause or significantly contribute to an increase in mortality or an increase in serious irreversible or incapacitating reversible illnesses; or
  - (2) Pose a substantial present or potential hazard to human health or to the environment when improperly treated, stored, transported, disposed of or otherwise managed.
- b. Sanitary Landfill A disposal site where solid wastes, including putrescible wastes, or hazardous wastes, are disposed of on land by placing earth cover thereon.
- c. Wellhead The upper terminal of a well, including adaptors, ports, seals, valves, and other attachments.

3. Establishment of wellhead protection zone There is hereby established a use district to be known as a wellhead protection zone, identified and described as all the area within a circle the center of which is the center of any city water supply well head and the radius of which is five-hundred (500) feet.

4. Permitted Uses The following uses shall be permitted within wellhead protection zones:

- a. Any use permitted within existing agricultural or single family residential districts, except that the minimum residential lot size for a lot any portion of which lies within the wellhead protection zone shall not be less than provided by the current Subdivision Regulations for the City of Woodbine.

Sec. 7-114 Wellhead Protection Ordinance (Continued)

- b. Any other open land use where any building located on the property is incidental and accessory to the primary open land use.
5. Prohibited Uses The following uses or conditions shall be and are hereby prohibited within wellhead protection zones, whether or not such use or condition may otherwise be ordinarily included as a part of a use permitted under Section 4 of this ordinance:
- a. Surface use or storage of hazardous material, expressly including commercial use of agricultural pesticides.
  - b. Septic tanks or drain fields appurtenant thereto.
  - c. Impervious surfaces other than roofs of buildings, streets, driveways, and walks serving buildings permitted under Section 4 of this ordinance.
  - d. Sanitary landfills.
  - e. Hazardous waste disposal sites.
  - f. Storm water infiltration basins.
  - g. Underground storage tanks.
  - h. Sanitary sewer lines within 150 feet of a wellhead.
6. Administration The policies and procedures for administration of any wellhead protection zone established under this ordinance, including without limitation those applicable to non-conforming uses, exceptions, enforcement, and penalties, shall be the same as provided in the existing zoning ordinance for the City of Woodbine, as the same is presently enacted or may from time to time be amended.

This ordinance shall be effective October 2, 1995. All ordinances and parts of ordinances in conflict herewith shall be and the same are hereby repealed.

Adopted this 2<sup>nd</sup> day of October, 1995 by the Woodbine City Council meeting in regular session.

## Article II: Solid Waste Management

### Sec. 7-201 Purpose

The purpose of the rules and regulations contained in this chapter is to provide for the protection of the public health by prescribing the manner of storage, collection, transportation, and disposal of residential and industrial waste, rubbish, garbage, and refuse.

### Sec. 7-202 Definitions

Unless the context specifically indicates otherwise, the meaning of terms used in this chapter shall be as follows:

1. Collection Person(s) who, under agreement(s), verbal or written, with or without compensation, does the work of collecting and/or transporting solid waste from industries, offices, retail outlets, businesses, institutions, and/or similar locations, or from residential dwellings; provided, however, that this definition shall not include an individual collecting and/or transporting waste from his own single family dwelling unit.
2. Disposal Facility Any facility or location where treatment, utilization, processing, or deposition of solid waste occurs.
3. Disposal Operation The performance of solid waste disposal, including administration, personnel, land, equipment, design, and other elements necessary or used in the work of solid waste disposal.
4. Disposal Site The location or land area where the final deposition of solid waste occurs.
5. Garbage Putrescible animal and vegetable wastes resulting from the handling, preparation, cooking, and consumption of food.
6. Hazardous Waste Solid or liquid waste material resulting from the manufacture or use of pesticides and drugs (other than normal household use); pathological wastes; highly flammable or explosive wastes; toxic wastes; sewage sludge; and other waste material determined to be a likely hazard to the public health, safety, or environment, except radioactive waste materials as provided for in Rules of the Department of Human Resources, Chapter 270-5-20, entitled "Radioactive Materials".
7. Industrial Waste Waste materials generated in industrial operations.

Sec. 7-202 Definitions (Continued)

8. Open Dump A disposal site at which solid waste from one or more sources is consolidated and left to decompose, burn, or to otherwise create environmental pollution or nuisance.
9. Putrescible Wastes Wastes that are capable of being decomposed by microorganisms, including kitchen wastes, manure, offal, hatchery and poultry wastes, and garbage.
10. Refuse All putrescible and nonputrescible solid wastes (except body wastes), including garbage, rubbish, ashes, street cleanings, dead animals, abandoned automobiles, and solid commercial and industrial wastes.
11. Rubbish Nonputrescible solid wastes (excluding ashes), consisting of both combustible and noncombustible wastes, including but not limited to paper, cardboard, tin cans, yard clippings, wood, glass, bedding, crockery, and similar materials.
12. Reclamation A controlled method of sorting and storing solid wastes for future use in accordance with an approved plan.
13. Sanitary Landfilling A method of disposing of putrescible waste and/or hazardous waste on land by placing an earth cover thereon.
14. Solid Waste Putrescible and nonputrescible wastes, except water carried body wastes, including garbage, rubbish, ashes, street refuse, dead animals, sewage sludge, animal manures, industrial wastes, residue from incineration, food-processing wastes, construction wastes, hazardous wastes, and any other waste material in a solid or semi-solid state not otherwise defined in this chapter.
15. Solid Waste Handling The storage, collection, transportation, treatment, utilization, processing, or disposing of solid wastes, or any combination thereof.
16. Transfer Station A facility used to transfer solid wastes from one transportation vehicle to another for transportation to a disposal facility.

Sec. 7-203 Enforcement

1. In General The Director of Public Works shall be responsible for the administration and enforcement of this chapter. In the exercise of his solid waste management duties, said Director shall:
  - a. Supervise the collection of solid waste, including the operation and maintenance of equipment and the supervision of personnel;

Sec. 7-203 Enforcement (Continued)

- b. Establish collection schedules in accordance with the provisions of this chapter;
  - c. Supervise the operation and maintenance of the sanitary landfill and/or other disposal sites or facilities; and
  - d. Inspect and regulate the operations of private collectors and private transportation and disposal systems to insure that such operations are in compliance with the provisions of this chapter.
2. Limitations of Authority All regulatory actions of the Director of Public Works shall be subject to the review of the Mayor and Council.
  3. Appeal Any person aggrieved by a requirement of, or a fee charged by, the Director of Public Works shall have the right to appeal to the Mayor and Council, which body may upon holding a hearing confirm, modify, or revoke such requirement or fee.

Sec. 7-204 Precollection

1. In General No person shall keep or store solid waste outside of any residence or building within the city, except in proper containers for collection or otherwise prepared, as set forth herein or under the express prior approval of the Director of Public Works. Any unauthorized accumulation of solid waste is hereby declared to be nuisance and is prohibited. The Director of Public Works by written notice shall notify the owner or occupant of any premise with such solid waste accumulation within two weeks of the date of such written notice to do so shall be deemed a violation of these regulations and subject the offender to penalties hereinafter set forth. A separate violation shall be deemed committed each day during or upon which such unlawful accumulation continues.
2. Containers
  - a. Garbage containers shall be provided by the owner or occupant of each residence or establishment sufficient in number to accommodate such waste generated by the residence or establishment between collections. Containers shall be of durable metal or plastic, water-tight, nonabsorbent, rust-resistance, rodent-proof, and easily cleanable. They shall be equipped with handles and tightly fitted covers and shall have a capacity of not less than fifteen (15) gallons nor more than thirty-five (35) gallons, except that bulk containers (dumpsters) of a type accepted by the Director of Public Works as suitable for mechanical collection by publicly owned equipment used for such collection may be used. Containers failing to comply with

Sec. 7-204 Precollection (Continued)

these provisions of which have defects causing them to scatter waste upon the ground during collection or causing them to hamper or to injure the persons collecting the waste shall be promptly replaced.

- b. Disposable paper or plastic bags of a type, size, and material designed for solid waste disposal may be used to contain refuse for storage and collection, provided they are unbroken, sealed, and loaded in such a manner that normal handling will not cause the bag to open.

3. Rubbish

- a. Rubbish may be stored for collection in cardboard boxes or other throwaway containers strong enough to retain the waste. Loose paper or cuttings shall be tied in bundles. Rubbish containers or bundles shall not exceed fifty (50) pounds in weight. Limbs or cutting shall not exceed four inches in diameter or four feet in length. Rubbish containers or bundles shall be placed for collection beside the solid waste containers. Leaves and straw shall be placed in bags provided by the city.
- b. It shall unlawful for any person to trim trees for compensation within the city unless the trimmings and limbs and trash resulting therefrom are immediately removed from the premises and placed or deposited by the property owner or contractor in a disposal site.
- c. "Trimming trees for compensation" shall be interpreted to include those persons or contractors that remove trees completely or partially and receive a compensation the wood, limbs and other residue from such trimming and cutting. Any form of compensation shall place the burden of disposal of any residue from trimming and cutting directly upon the individual persons or contractors performing the task and the property owner.
- d. Building materials such as stone, dirt, plaster, lumber, brick, roofing, concrete, etc., or other materials from contract laborers, shall not be collected or removed by the city. The burden of responsibility for removal of said materials shall fall to the contractor and property owner. (8-6-84 Council's minutes).

- 4. Placement On days designated as collection days for the respective routes by the Director of Public Works, garbage and/or rubbish shall be placed for collection on the curb or beside the roadway in front of the residence or establishment owning same, or if the property abuts on an alley, at the rear of the property, but not in the gutter or in the street or alley in such manner as to interfere with pedestrian or vehicular traffic.

Sec. 7-204 Precollection (Continued)

5. Scavenging No person other than the owner or authorized collection personnel shall sift the contents of or remove anything from containers, boxes, or bundles containing garbage or rubbish.

Sec. 7-205 Collection

1. Frequency Garbage and rubbish shall be collected from residential premises weekly. Garbage and rubbish shall be collected from commercial and business establishments in congested areas twice weekly.
2. Limitations Industrial waste, large animals over thirty (30) pounds, or waste from construction, demolition, landscaping, or processing operations will not be collected, transported, or disposed of by public facilities; but such waste collection, transportation, and disposal shall be by the owners and/or generators of such waste collection, transportation, and disposal shall be by the owners and/or generators of such waste or animals. It shall be a violation of these regulations to place or to cause to be placed in any container, box, or bundle, or otherwise for collection, any hazardous waste of any kind except upon specific prior arrangement with the Director of Public Works.
3. Collection Vehicles Vehicles used for collection and transportation of solid waste shall be kept clean and in good repair. They shall be constructed in such manner that the contents thereof cannot be spilled, leaked, or blown from the vehicle. They shall be readily identifiable by letters that are not less than three inches high and easily legible, painted on the door of the vehicle cab or in an equally conspicuous place showing: the owner's name; telephone number; state permit number; truck number; and rated load capacity in cubic yards. The rated load capacity shall be specified by the Director of Public Works following his measurement of the load-carrying portion of the truck body.
4. Private Contractors No person other than employees of the city shall collect, transport, or dispose of solid waste for pay in the city without having first applied for and received a license to engage in such business as provided in Chapter 9.

Sec. 7-206 Disposal

All disposal of solid waste shall be at disposal sites operated in accordance with state laws and with rules and regulations of the Georgia Department of Natural Resources, and at no other place. Waste deposited during operating hours at any site operated by the municipality shall be placed as designate by the attendant on duty; waste deposited at any other times shall be placed in a bulk container located near the site entrance gate for the purpose of receiving such waste. Operating hours shall be from 8 a.m. to 5 p.m. Monday through Friday of each

Sec. 7-206 Disposal (Continued)

week except for holidays. Motor vehicle bodies or major parts thereof, large appliances, stumps, or logs over four feet in length shall not be deposited at publicly operated disposal sites except by prior arrangement with the Director of Public Works. Fees for such disposal shall be billed and collected as hereinafter set forth.

Sec. 7-207 Penalties

Any person convicted of violating any of the provisions of this chapter shall be punished by a fine not exceeding \$250.00 or be imprisoned for a period not to exceed 30 days or both at the discretion of the Judge of the Recorder's Court.

Sec. 7-208 Garbage Fee (Added 1/7/91)

1. All residences, businesses, churches, etc. which have curbside garbage pick-up available shall be assessed a monthly garbage fee as listed in Paragraph 2 below.

2. Fee Schedule

Inside City Limits	\$20.00
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- a. Garbage fees shall be included on the water/sewer bills. Where no monthly water/sewer bill is mailed to a garbage collection customer, a separate bill shall be sent for the garbage fee.
- b. Garbage fees shall be due and payable on the same date as the water/sewer bills. Any garbage fee not paid by the due date of the water/sewer bill shall be subject to a 10% late penalty.
- c. Past due garbage fees are collectable in the same manner as water/sewer bills.
- d. Any commercial customers such as businesses or multi-unit developments, which choose to use a dumpster service may request a waiver of the garbage fee requirement.

Sec. 7-208 Garbage Fee (Continued)

- e. Garbage fees will be reviewed annually in October and any subsequent rate changes will take effect January 1 of the following year.

- f. The City Administrator shall be authorized to make adjustments of garbage bills for the following reasons:
  - a. Computer or clerical error.
  - b. To resolve disputes concerning bills. But in no case, shall such adjustment cover more than two billing cycles.

(Section 7-208.2f. added 3/5/12)