TITLE 11

WATERWORKS FACILITIES

Chapters:

11.01	Purchase of Water from Peoria Water Company
11.02	Rules, Rates and Regulations of Municipal Water System
11.03	Protection of the Public Water System from Contamination Due to Backflow of Contaminants Through the Customer Water Service Connection Into the Public Water System
11.04	Rules and Regulations on Cross-Connection of the Municipal Water System

Chapter 11.01

Purchase of Water from Peoria Water Company

Sections:

11.01.01	Approval of Plans and Specifications
11.01.02	Approval of Water Purchase Contract
11.01.03	Execution of Water Purchase Contract

§11.01.01 Approval of Plans and Specifications. The plans, specifications and cost estimate for construction of an addition to the municipal water system consisting of a 12 inch main to connect with the present terminus of the Peoria Water Co. water supply, all as prepared by the Village Engineer, James L. Brown, be and the same are hereby approved and accepted. (Ord. No. 79-8, 9-18-79)

§11.01.02 Approval of Water Purchase Contract. This Village purchase water from Peoria Water Co. for resale and distribution through its municipal system on the terms and conditions set forth in the copy of the Water Purchase Contract attached as Exhibit A to and by this reference made part of this ordinance. (Ord. No. 79-8, 9-18-79)

§11.01.03 Execution of Water Purchase Contract. The Village President and Village Clerk be and they are hereby authorized and directed to execute, seal and deliver said agreement in an appropriate number of counterparts in the name and for and on behalf of this Village. (Ord. No. 79-8, 9-18-79)

Chapter 11.02

Rules, Rates and Regulations of Municipal Water System

Sections:

11.02.01	Applications for Service
11.02.02	Initial and Minimum Charges
11.02.03	Village Responsibility and Liability
11.02.04	Users' Responsibility
11.02.05	Extension of Mains
11.02.06	Change in Occupancy
11.02.07	Payment of Bills
11.02.08	Rate Schedule

§11.02.01 Applications for Service. Water service shall be furnished only to users who have filed an application with the Water Superintendent (representative) of the Village upon a form to be supplied by the Village, and upon payment of a Fifty Dollar ($50.00) nonrefundable application fee. (Ord. No. 94-1, 03-09-94)

§11.02.02 Initial and Minimum Charges. The rates as shown in the rate schedule in Section 11.02.08 of this ordinance shall be paid by each user beginning at the time the Village makes the service available to the user. The minimum monthly rate shall be paid by each user connected to the system, notwithstanding such user may not use the amount of water covered by such minimum charge. There shall be $0.00 tap-on fee for services to each property except for meters larger than 3/4" the tap-on fee will be the actual cost of installing the meter and appurtenances. (Ord. No. 79-9, 9-18-79)

§11.02.03 Village Responsibility and Liability.

A. The Village shall install, own and maintain the complete water system, water mains, and service lines to the property lines or a mutually agreed upon point subject to the Board of Trustees determination that a particular service is economically feasible to install. The Village shall furnish, install and maintain a meter and other appurtenances, including a shutoff valve. The shutoff valve shall be installed on the user's property line or such other point determined by a duly authorized representative of the Village. The meter may be located near the shutoff value or within the user's premises as determined by the Village representative. The meter and shutoff valve must be located at a point where they are readily accessible.

B. The Village may at any time refuse additional service to any applicant if in the judgment of the Board of Trustees the capacity of the system will not permit such use.

C. All water service supplied by the Village shall be upon the express condition that the Village shall not be liable nor shall any claim be made against it for damages or injury caused by reason of shutting off of water for repair, relocation, or expansion of any part of the system, or by failure of any part of the system or by concentration of water for such purposes as firefighting or by restricted use of water in time of emergency.

(Ord. No. 79-8, 9-18-79, and Ord. NO. 96-1, 04-10-96 as to Subsection A)

§11.02.04 Users' Responsibility.

A. The user shall be responsible for installation and maintenance of service lines between the curb stop and the point of use. Such service lines must be at least 3/4" in diameter, and must be installed at a minimum depth of four feet. Service lines must have a minimum working pressure rating of 160 psi at 73.4° F and must be constructed of one of the following types of materials: Copper (Type K), polyvinyl chloride (PVC), polyethylene or polybutylene. Service lines must not be covered until they are inspected and approved by a duly authorized Village representative. The user shall not connect any service line or any plumbing connected with the service line to any other water source. The service line must meet any requirements of the State of Illinois, Environmental Protection Agency.

B. The user shall permit the meter to be located upon his property.

C. Each user shall give such easements and rights-of-way as necessary to the Village and allow access for the purposes of construction, repair, maintenance, meter reading, relocation or expansion of the water system. The necessity shall be determined by the Board of Trustees.

D. No person shall tamper, adjust, damage, or in any manner interfere with the components or operation of the water system owned by the Village. The shutoff valve shall be opened only by a duly authorized representative of the Village. Penalty for tampering, damaging, adjusting, or in any manner interfering with the components or operation of the system shall be up to One Thousand Dollars ($1,000.00), payable to the Village. If the penalty is not paid within thirty (30) days after the amount is determined, the Village may shut off the water service. The amount of penalty shall be determined by the Board of Trustees. In addition to the penalty, the person responsible shall reimburse the Village for the actual cost of repairing any damage arising from such person's act. Users shall report any known evidence of tampering, adjusting, damaging, or interference with operation of the system, owned by the Village, to the President of the Board of Trustees. Any malicious act or damage to the system that is not satisfactorily settled by the foregoing shall be prosecuted through a court of law.

E. Water purchased from the Village may be used for ordinary domestic, commercial, industrial or farm use upon the premises of the user, provided:

(1) No user shall resell or permit the resale of water purchased from the Village.

(2) If more than one family unit is located upon the premises then the user shall make application to provide each family unit with a separate shut-off valve and meter, i.e. a trailer park, duplex or apartment house shall hve a separate service for each family unit. In the event each family unit does not have a separate shutoff valve and a bill for service to any unit on the premises remains unpaid for thirty (30) days after mailing, the Village may, in accordance with paragraph 7B, shut off the water supply to all units on the premises.

(3) Anything in this ordinance to the contrary notwithstanding, the Village reserves the right, in case of any residence property designed for or occupied by two or more families living independently of each other in separate dwelling units which is now served through a single meter, to charge for water either on the basis of the metered usage or on the basis of the aggregate of minimum charges for each dwelling unit, whichever is greater.

F. The user shall be responsible for maintenance of the meter, including taking any precautions as may be necessary to prevent the same from freezing. In the event a meter is damaged, or otherwise becomes unoperational, except as a result of normal wear and tear, the user shall reimburse the Village for installation and cost of a new meter.

(Ord. No. 84-4, 11-14-84 as to Subsection E(2); Ord. 79-8, 9-18-79 as to Subsections E(1) and E(3), Ord. No. 96-1, 04-10-96 as to Subsection F)

§11.02.05 Extension of Mains.

A. The Board of Trustees shall first determine if an extension of water main is economically feasible based on the estimated cost of the extension and the number of existing potential users that will use water along the extension. If the extension is economically feasible then the Village may install and pay the cost of the extension at the discretion of the Board of Trustees. If the Village elects not to pay the cost of extending the water main then the person or persons desiring water service shall install the extension at their own expense upon written consent by the Board of Trustees. The Village shall not pay for any extensions unless there are a sufficient number of potential users to make the extension economically feasible.

B. Requirements if Extension is Installed by Someone Other than the Village.

(1) All plans and specifications for any extensions are subject to approval of the Village.

(2) Before any extensions are installed, the plans and specifications must be reviewed and approved by the State of Illinois, Environmental Protection Agency.

(3) Ownership, rights-of-way, and title must be conveyed to the Village for all extensions installed by anyone other than the Village. The Village will maintain the mains thereafter.

(4) No extension will be permitted if in the opinion of the Board of Trustees the system does not have the necessary capacity to serve the proposed extension.

(Ord. No. 79-8, 9-18-79)

§11.02.06 Change in Occupancy.

A. Any user requesting a termination of service shall give written notice to the Village ten (10) days prior to the time such termination of service is desired. The meter shall be read by the Village and the user will be billed.

B. The owner of the premises, the occupant thereof, the user thereof or the owner of any beneficial interest of any trust holding title to land or improvements served hereunder shall be jointly and severally liable for the payment of the water service on such premises, and the water service is furnished to the premises by the Village only upon the condition that the owner of the premises, the occupant thereof and the owner of any beneficial interest of any trust holding title to land or improvements thereon and the user of the water services are jointly and severally liable therefor to the Village.

C. There shall be no charge for transferring the water service to the subsequent user.

(Ord. No. 84-4, 11-14-84 as to Subsection B; Ord. No. 79-9, 9-18-79 as to Subsections A and C)

§11.02.07 Payment of Bills.

A. The meters will be read monthly by the Village. If weather conditions or other circumstances prevent the reading of meters, then water bills will be estimated by the Village. Bills will be mailed each month and will be delinquent fifteen (15) days after mailing. Bills shall be paid to the Treasurer of the Village or his designated representative. (Ord. No. 79-9, 9-18-79)

B. If any bill remains unpaid for thirty (30) days after mailing, there shall be added each month to said bill a penalty of five percent (5%) of the remaining unpaid balance for each month, or part thereof, that said bill remains unpaid. If any bill remains unpaid thirty (30) days after mailing, the water supply to the premises affected may be shut off by the Village and the service will not be restored until the delinquency and penalty is paid in full. In addition, a $25.00 service fee will be added to cover the cost of restoring service. A bill remaining unpaid thirty (30) days after mailing shall constitute a lien upon

the real estate to which the service has been rendered. The Clerk is hereby authorized and directed to file a notice of such lien in the Office of the Recorder of Deeds, Peoria County, Illinois, and to pursue such legal action as is necessary to collect the delinquent charges. The user or other person responsible for payment of the bill shall be liable for all attorney's fees, court costs and other expenses incurred by the Village in collecting any past due amounts. (Ord. No. 84-4, 11-14-84)

§11.02.08 Rate Schedule. Rates for water supplied by the Village shall be charged as follows:

The minimum monthly bill will be Seven and 20/100ths Dollars ($7.20) which shall be payable irrespective of use.

The monthly bill will be computed on the following rate schedule:

First 1,000 gallons per month (minimum)	$ 7.20
Next 4,000 gallons per month	$ 4.72 per 1000 gallons
Next 5,000 gallons per month	$ 4.09 per 1000 gallons
All over 10,000 gallons per month	$ 3.98 per 1000 gallons
Bulk water and fire hydrant rental shall be as negotiated from time to time with the Village.	

(Ord. No. 89-3, 8-9-89, and as amended by Ord. No. 04-5, 10-13-04; Ord. No. 09-6, 6-10-09 §10)

Chapter 11.03

Protection of the Public Water System from Contamination Due to Backflow of Contaminants Through the Customer Water Service Connection Into the Public Water System

Sections:

11.03.01	Purpose
11.03.02	Compliance with Existing Laws and Ordinances
11.03.03	Connection to Water Supply System of Municipality
11.03.04	Survey and Investigations
11.03.05	Cross-Connections
11.03.06	Disconnection of Water Service
11.03.07	Cleanup by Responsible Party
11.03.08	Notice
11.03.09	Penalties for Violations

§11.03.01 Purpose.

A. Rule 890.1510 of the Illinois Plumbing Code, 77 Ill. Adm. Code 890.1510, requires protection of all potable water systems from contamination due to backflow of contaminants through plumbing connections, fixtures or appurtenances.

B. The Illinois Pollution Control Board Regulations, 35 Ill. Adm. Code 601.101, et seq. requires an active program of cross-connection control which will prevent the contamination of all public water supply systems due to backflow of contaminants or pollutants through the potable water service connection.

C. In order to accomplish these goals it is necessary to introduce restrictions that describe in detail specific procedures and requirements for cross-connection control.

(Ord. No. 95-1, -3-08-95)

11.03.02 Compliance with Existing Laws and Ordinances. That all plumbing installed within the Village of Dunlap, shall be installed in accordance with the Illinois Plumbing Code, 77 Ill. Adm. Code 890. That, if in accordance with the Illinois Plumbing Code or in the judgment of the Superintendent of Water, an approved backflow prevention device is necessary for the safety of the public water supply system, the Superintendent of Water will give notice to the water customer to install such an approved device immediately. The water customer shall, at his own expense, install such an approved device at a location and in a manner in accordance with the Illinois Plumbing Code, Illinois Environmental Protection Agency and all applicable local regulations, and shall have

inspections and tests made of such approved devices upon installation and as required by the Illinois Plumbing Code, Illinois Environmental Protection Agency and local regulations. (Ord. No. 95-1, 03-08-95)

§11.03.03 Connection to Water Supply System of Municipality. That no person, firm or corporation shall establish or permit to be established or maintain or permit to be maintained any connection whereby a private, auxiliary or emergency water supply other than the regular public water supply of the Village of Dunlap may enter the supply or distribution system of said municipality, unless such private, auxiliary emergency water supply and the method of connection and use of such supply shall have been approved by the Superintendent of Water and the Illinois Environmental Protection Agency. (Ord. No. 95-1, 03-08-95)

§11.03.04 Surveys and Investigations. That it shall be the duty of the Superintendent of Water to cause surveys and investigations to be made of commercial industrial and other properties served by the public water supply to determine whether actual or potential hazards to the public water supply may exist. Such surveys and investigations shall be made a matter of public record and shall be repeated at least every two years, or as often as the Superintendent of Water shall deem necessary. Records of such surveys shall be maintained and available for review for a period of at least five years. (Ord. No. 95-1, 03-08-95)

§11.03.05 Cross-Connections. That the approved cross-connection control device inspector shall have the right to enter at any reasonable time any property served by a connection to the public water supply or distribution system of the Village of Dunlap for the purpose of verifying the presence or absence of cross-connections, and that the Water Superintendent or his authorized agent shall have the right to enter at any reasonable time any property served by a connection to the public water supply or distribution system of Village of Dunlap for the purpose of verifying information submitted by the customer regarding the required cross-connection control inspection. On demand the owner, lessees or occupants of any property so served shall furnish to the Superintendent of Water any information which he may request regarding the piping system or systems or water use on) such property. The refusal of such information, when demanded, shall, within the discretion of the Superintendent of Water, be deemed evidence of the presence of improper connections as provided in this ordinance. (Ord. No. 95-1, 03-08-95)

§11.03.06 Disconnection of Water Service. That the Superintendent of Water of the Village of Dunlap is hereby authorized and directed to discontinue, after reasonable notice to the occupant thereof, the water service to any property wherein any connection in violation of the provisions of this ordinance is known to exist, and to take such other precautionary measures as he may deem necessary to eliminate any danger of contamination of the public water supply distribution mains. Water service to such property shall not be restored until such conditions have been eliminated or corrected in compliance with the provisions of this ordinance, and until the required reconnection fee is paid to the Village of Dunlap. Immediate disconnection with verbal notice can be effected when the Superintendent of Water is assured that imminent danger of harmful contamination of the

public water supply system exists. Such action shall be followed by written notification of the cause of disconnection. Immediate disconnection without notice to any party can be effected to prevent actual or anticipated contamination or pollution of the public water supply, provided that, in the reasonable opinion of the Superintendent of Water or the Illinois Environmental Protection Agency, such action is required to prevent actual or potential contamination or pollution of the public water supply. Neither the Village of Dunlap, the Superintendent of Water, or its agents or assigns shall be liable to any customer for any injury, damages or lost revenues which may result from termination of said customer's water supply in accordance with the terms of this ordinance, whether or not said termination was with or without notice. (Ord. No. 95-1, 03-08-95)

§11.03.07 Cleanup by Responsible Party. That the consumer responsible for back-siphoned or back pressured material or contamination through backflow, if contamination of the potable water supply system occurs through an illegal cross-connection or an improperly installed, maintained or repaired device, or a device which has been bypassed, must bear the cost of clean-up of the potable water supply system. (Ord. No. 95-1, 03-08-95)

§11.03.08 Notice. Any person found to be violating any provision of this Ordinance shall be served with written notice stating the notice of the violation and providing a reasonable time limit for the satisfactory correction thereof. The offender shall, within the period of time stated in such notice, permanently cease all violation. (Ord. No. 95-1, 03-08-95)

§11.03.09 Penalties for Violations. Any person violating any of the provisions of this Ordinance shall be fined in an amount not less than One Hundred Dollars ($100.00) nor more than Seven Hundred Fifty Dollars ($750.00) for each violation and shall become liable to the Village for any expense, including reasonable attorneys fees and court costs, loss or damage occasioned by the Village by reason of such violation, whether the same was caused before or after notice. Each day in which any such violation occurs shall be deemed a separate offense. (Ord. No. 95-1, 03-08-95; Ord. No. 09-3, 6-10-09 §30)

Chapter 11.04

Rules and Regulations on Cross-Connection of the Municipal Water System

Sections:

11.04.01	General Policy
11.04.02	Definitions
11.04.03	Water System
11.04.04	Cross-Connection Prohibited
11.04.05	Survey and Investigations
11.04.06	Where Protection is Required
11.04.07	Type of Protection Required
11.04.08	Backflow Prevention Devices
11.04.09	Inspection and Maintenance
11.04.10	Booster Pumps
11.04.11	Violations

§11.04.01 General Policy.

A. Purpose. The purpose of these Rules and Regulations is:

1. To protect the public water supply system from contamination or pollution by isolating within the customer's water system contaminants or pollutants which could backflow through the service connection into the public water supply system.

2. To promote the elimination or control of existing cross-connections, actual or potential, between the public or consumer's potable water system and non-potable water systems, plumbing fixtures and sources or systems containing substances of unknown or questionable safety.

3. To provide for the maintenance of a continuing program of cross-connection control which will prevent the contamination or pollution of the public and consumer's potable water systems.

B. Application. These Rules and Regulations shall apply to all premises served by the public potable water supply system of the Village of Dunlap.

C. Policy. The owner or official custodian shall be responsible for protection of the public water supply system from contamination due to backflow or back-siphonage of contaminants through the customer's water service connection. If, in the judgment of the

Superintendent of Water or his authorized representative, an approved backflow prevention device is necessary for the safety of the public water supply system, the Superintendent of Water shall give notice to the consumer to install such approved backflow prevention device at each service connection to the premises. The consumer shall immediately install such approved device or devices at his own expense; failure, refusal or inability on the part of the consumer to install such device or devices immediately shall constitute grounds for discontinuing water service to the premises until such device or devices have been installed. The consumer shall retain records of installation, maintenance, testing and repair as required in Section 11.04.05 D(4) below for a period of at least five years. The Superintendent of Water may require the consumer to submit a cross-connection inspection report to the (name of public water supply) to assist in determining whether or not service line protection will be required. All cross-connection inspections shall be conducted by a Cross-Connection Control Device Inspector certified by the Illinois Environmental Protection Agency.

(Ord. No. 95-2, 03-08-95)

§11.04.02 Definitions.

A. The following definitions shall apply in the interpretation and enforcement of these regulations:

1. "Fixed proper air gap" means the unobstructed vertical distance through the free atmosphere between the water discharge point and the flood level rim of the receptacle.

2. "Agency" means Illinois Environmental Protection Agency.

3. "Approved" means backflow prevention devices or methods approved by the Research Foundation for Cross-Connection Control of the University of Southern California, Association of State Sanitary Engineers, American Water Works Association, American National Standards Institute or certified by the National Sanitation Foundation.

4. "Auxiliary water system" means any water source or system on or available to the premises other than the public water supply system and includes the water supplied by the system. These auxiliary waters may include water from another purveyor's public water supply system; or water from a source such as wells, lakes, or streams, or process fluids; or used water. These waters may be polluted or contaminated or objectionable or constitute a water source or system over which the water purveyor does not have control.
5. "Backflow" means the flow of water or other liquids, mixtures, or substances into the distribution pipes of a potable water system from any source other than the intended source of the potable water supply.

6. "Backflow prevention device" means any device, method, or type of construction intended to prevent backflow into a potable water system. All devices used for backflow prevention in Illinois must meet the standards of the Illinois Plumbing Code and the Illinois Environmental Protection Agency.

7. "Consumer" or "Customer" means the owner, official custodian or person in control of any premises supplied by or in any manner connected to a public water system.

8. "Consumer's water system" means any water system located on the customer's premises. A building plumbing system is considered to be a customer's water system.

9. "Contamination" means an impairment of the quality of the water by entrance of any substance to a degree which could create a health hazard.

10. "Cross-connection" means any physical connection or arrangement between two otherwise separate piping systems, one of which contains potable water and the other a substance of unknown or questionable safety or quality, whereby there may be a flow from one system into the other.

    Direct cross-connection means a cross-connection formed when a water system is physically joined to a source of unknown or unsafe substance.

    Indirect cross-connection means a cross-connection through which an unknown substance can be forced, drawn by vacuum or otherwise introduced into a safe potable water system.

11. "Double check valve assembly" means an assembly composed of single, independently acting check valves approved under ASSE Standard 1015. A double check valve assembly must include tight shutoff valves located at each end of the assembly and suitable connections for testing the water-tightness of each check valve.

12. "Health hazard" means any condition, device or practice in a water system or its operation resulting from a real or potential danger to the health and well-being of consumers. The word "severe" as used to qualify "health hazard" means a hazard to the health of the user that could be expected to result in death or significant reduction in the quality of life.

13. "Inspection" means a plumbing inspection to examine carefully and critically all materials, fixtures, piping and appurtenances, appliances and installations of a plumbing system for compliance with requirements of the Illinois Plumbing Code, 77 Ill. Adm. Code 890.

14. "Non-potable water" means water not safe for drinking, personal, or culinary use as determined by the requirements of 35 Ill. Adm. Code 604.

15. "Plumbing" means the actual installation, repair, maintenance, alteration or extension of a plumbing system by any person. Plumbing includes all piping, fixtures, appurtenances and appliances for a supply of water for all purposes, including without limitation lawn sprinkler systems, from the source of a private water supply on the premises or from the main in the street, alley or at the curb to, within and about any building or buildings where a person or persons live, work or assemble. Plumbing includes all piping, from discharge of pumping units to and including pressure tanks in water supply systems. Plumbing includes all piping, fixtures, appurtenances, and appliances for a building drain and a sanitary drainage and related ventilation system of any building or buildings where a person or persons live, work or assemble from the point of connection of such building drain to the building sewer or private sewage disposal system five feet beyond the foundation walls.

16. "Pollution" means the presence of any foreign substance (organic, inorganic, radiological, or biological) in water that tends to degrade its quality so as to constitute a hazard or impair the usefulness of the water.

17. "Potable water" means water which meets the requirements of 35 Ill. Adm. Code 604 for drinking, culinary, and domestic purposes.

18. "Potential Cross-Connection" means a fixture or appurtenance with threaded hose connection, tapered spout, or other connection which would facilitate extension of the water supply line beyond its legal termination point.

19. "Process fluid(s)" means any fluid or solution which may be chemically, biologically or otherwise contaminated or polluted in a form or concentration such as would constitute a health, pollutional, or system hazard if introduced into the public or a consumer's potable water system. This includes but is not limited to:

    a. polluted or contaminated waters;
    b. process waters;
    c. used waters originating from the public water supply system which may have deteriorated in sanitary quality;
    d. cooling waters;
    e. questionable or contaminated natural waters taken from wells, lakes, streams, or irrigation systems;
    f. chemicals in solution or suspension;
    g. oils, gases, acids, alkalis and other liquid and gaseous fluids used in industrial or other processes, or for fire fighting purposes;

20. "Public water supply" means all mains, pipes and structures through which water is obtained and distributed to the public, including wells and well structures, intakes and cribs, pumping stations, treatment plants, reservoirs, storage tanks and appurtenances, collectively or severally, actually used or intended for use for the purpose of furnishing water for drinking or general domestic use and which serve at least 15 service connections or which regularly serve at least 25 persons at least 60 days per year. A public water supply is either a "community water supply" or a "non-community water supply".

21. "Reduced pressure principle backflow prevention device" means a device containing a minimum of two independently acting check valves together with an automatically operated pressure differential relief valve located between the two check valves and approved under ASSE Standard 1013. During normal flow and at the cessation of normal flow, the pressure between these two checks shall be less than the supply pressure. In case of leakage of either check valve, the differential relief valve, by discharging to the atmosphere, shall operate to maintain the pressure between the check valves at less than the supply pressure. The unit must include tightly closing shutoff valves located at each end of the device, and each device shall be fitted with properly located test cocks.

22. "Service connection" means the opening, including all fittings and appurtenances, at the water main through which water is supplied to the user.

23. "Survey" means the collection of information pertaining to a customer's piping system regarding the location of all connections to the public water supply system and must include the location, type and most recent inspection and testing date of all cross-connection control devices and methods located within that customer's piping system. The survey must be in written form, and should not be an actual plumbing inspection.

24. "System hazard" means a condition through which an aesthetically objectionable or degrading material not dangerous to health may enter the public water supply system or a consumer's potable water system.

25. "Used water" means any water supplied by a public water supply system to a consumer's water system after it has passed through the service connection and is no longer under the control of the water supply official custodian.

26. "Water purveyor" means the owner or official custodian of a public water system.

(Ord. No. 95-2, 03-08-95)

§11.04.03 Water System.

A. The water system shall be considered as made up of two parts: the public water supply system and the consumer's water system.

B. The public water supply system shall consist of the source facilities and the distribution system, and shall include all those facilities of the potable water system under the control of the Superintendent of Water up to the point where the consumer's water system begins.

C. The source shall include all components of the facilities utilized in the production, treatment, storage, and delivery of water to the public water supply distribution system.

D. The public water supply distribution system shall include the network of conduits used to deliver water from the source to the consumer's water system.

E. The consumer's water system shall include all parts of the facilities beyond the service connection used to convey water" from the public water supply distribution system to points of use.

(Ord. No. 95-2, 03-08-95)

§11.04.04 Cross-Connection Prohibited.

A. Connections between potable water systems and other systems or equipment containing water or other substances of unknown or questionable quality are prohibited except when and where approved cross-connection control devices or methods are installed, tested and maintained to insure proper operation on a continuing basis.

B. 1. No physical connection shall be permitted between the potable portion of a supply and any other water supply not of equal or better bacteriological and chemical quality as determined by inspection and analysis by the Agency.

2. There shall be no arrangement or connection by which an unsafe substance may enter a supply.

(Ord. No. 95-2, 03-08-95)

§11.04.05 Survey and Investigations.

A. The consumer's premises shall be open at all reasonable times to the approved cross-connection control device inspector for the inspection of the presence or absence of cross-connections within the consumer's premises, and testing, repair and maintenance of cross-connection control devices within the consumer's premises.

B. On request by the Superintendent of Water, or his authorized representative, the consumer shall furnish information regarding the piping system or systems or water use within the customer's premises. The consumer's premises shall be open at all reasonable times to the Superintendent of Water for the verification of information submitted by the inspection consumer to the public water supply custodian regarding cross-connection inspection results.

C. It shall be the responsibility of the water consumer to arrange periodic surveys of water use practices on his premises to determine whether there are actual or potential cross-connections to his water system through which contaminants or pollutants could backflow into his or the public potable water system. All cross-connection control or other plumbing inspections must be conducted in accordance with 225 ILCS 320/3(1).

D. It is the responsibility of the water consumer to prevent backflow into the public water system by ensuring that:

1. All cross-connections are removed; or approved cross-connection control devices are installed for control of backflow and back-siphonage.

2. Cross-connection control devices shall be installed in accordance with the manufacturer's instructions.

3. Cross-connection control devices shall be inspected at the time of installation and at least annually by a person approved by the Agency as a cross-connection control device inspector (CCCDI). The inspection of mechanical devices shall include physical testing in accordance with the manufacturer's instructions.

4. Testing and Records

a. Each device shall be tested at the time of installation and at least annually or more frequently if recommended by the manufacturer.

b. Records submitted to the community public water supply shall be available for inspection by Agency personnel in accordance with 415 ILCS 5/4(e).

c. Each device shall have a tag attached listing the date of most recent test, name of CCCDI, and type and date of repairs.

d. A maintenance log shall be maintained and include:

(1) date of each test;

(2) name and approval number of person performing the test;

(3) test results;

(4) repairs or servicing required;

(5) repairs and date completed; and

(6) serving performed and dated completed.

(Ord. No.95-2, 03-08-95)

§11.04.06 Where Protection is Required.

A. An approved backflow device shall be installed on all connections to the public water supply as described in the Plumbing Code, 77 Ill. Adm. Code 890 and the Agency's regulations 35 Ill. Adm. Code 680. In addition, an approved backflow prevention device shall be installed on each service line to a consumer's water system serving premises, where in the judgment of the Superintendent of Water, actual or potential hazards to the public water supply system exist.

B. An approved backflow prevention device shall be installed on each service line to a consumer's water system serving premises where the following conditions exist:

1. Premises having an auxiliary water supply, unless such auxiliary supply is accepted as an additional source by the Superintendent of Water and the source is approved by the Illinois Environmental Protection Agency.

2. Premises on which any substance is handled which can create an actual or potential hazard to the public water supply system. This shall include premises having sources or systems containing process fluids or waters originating from the public water supply system which are no longer under the sanitary control of the Superintendent of Water.

3. Premises having internal cross-connections that, in the judgment of the Superintendent of Water and/or the Cross-Connection Control Device Inspector, are not correctable or intricate plumbing arrangements which make it impractical to determine whether or not cross-connections exist.

4. Premises where, because of security requirements or other prohibitions or restrictions, it is impossible or impractical to make a complete cross-connection survey.

5. Premises having a repeated history of cross-connections being established or re-established.

C. An approved backflow device shall be installed on all connections to the public water supply as described in the Plumbing Code, 77 Ill. Adm. Code 890 and the Agency's regulations 35 Ill. Adm. Code 653. In addition, an approved backflow prevention device shall be installed on each service line to a consumer's water system serving, but not

necessarily limited to, the following types of facilities unless the Superintendent of Water determines that no actual or potential hazard to the public water supply system exists:

1. Hospitals, mortuaries, clinics, nursing homes.

2. Laboratories.

3. Piers, docks, waterfront facilities.

4. Sewage treatment plants, sewage pumping stations or storm water pumping stations.

5. Food or beverage processing plants.

6. Chemical plants.

7. Metal plating industries.

8. Petroleum processing or storage plants.

9. Radioactive material processing plants or nuclear reactors.

10. Car washes.

11. Pesticide, or herbicide or extermination plants and trucks.

12. Farm service and fertilizer plants and trucks.

(Ord. No. 95-2, 03-08-95)

§11.04.07 Type of Protection Required.

A. The type of protection required under Sections 6.1, 6.2, and 6.3 of these regulations shall depend on the degree of hazard which exists as follows:

1. An approved fixed proper air gap separation shall be installed where the public water supply system may be contaminated with substances that could cause a severe health hazard.

2. An approved fixed proper air gap separation or an approved reduced pressure principle backflow prevention assembly shall be installed where the public water supply system may be contaminated with a substance that could cause a system or health hazard.

3. An approved fixed proper air gap separation or an approved reduced pressure principle backflow prevention assembly or a double check valve

assembly shall be installed where the public water supply system may be polluted with substances that could cause a pollution hazard not dangerous to health.

B. The type of protection required under Section 6.4 and 6.5 of these regulations shall be an approved fixed proper air gap separation or an approved reduced pressure principle backflow prevention device.

C. Where a public water supply or an auxiliary water supply is used for a fire protection system, reduced pressure principle backflow preventers shall be installed on fire safety systems connected to the public water supply when:

1. The fire safety system contains antifreeze, fire retardant or other chemicals;

2. Water is pumped into the system from another source; or
3. Water flows by gravity from a non-potable source; or water can be pumped into the fire safety system from any other source;

4. There is a connection whereby another source can be introduced into to the fire safety system.

D. All other fire safety systems connected to the potable water supply shall be protected by a double check valve assembly on metered service lines and a double detector check valve assembly on unmetered service lines.

(Ord. No. 95-2, 03-08-95)

§11.04.08 Backflow Prevention Devices.

A. All backflow prevention devices or methods required by these rules and regulations shall be approved by the Research Foundation for Cross-Connection Control of the University of Southern California, American Water Works Association, American Society of Sanitary Engineering, or American National Standards Institute or certified by the National Sanitation Foundation to be in compliance with applicable industry specification.

B. Installation of approved devices shall be made in accordance with the manufacturer's instructions. Maintenance as recommended by the manufacturer of the device shall be performed. Manufacturer's maintenance manual shall be available on-site.

(Ord. No. 95-2, 03-08-95)

§11.04.09 Inspection and Maintenance.

A. It shall be the duty of the consumer at any premises on which backflow prevention devices required by these regulations are installed to have inspection, tests,

maintenance and repair made in accordance with the following schedule or more often where inspections indicate a need or are specified in manufacturer's instructions.

1. Fixed proper air gap separations shall be inspected to document that a proper vertical distance is maintained between the discharge point of the service line and the flood level rim of the receptacle at the time of installation and at least annually thereafter. Corrections to improper or by passed air gaps shall be made within 24 hours.

2. Double check valve assemblies shall be inspected and tested at time of installation and at least annually thereafter, and required service performed within five (5) days.
3. Reduced pressure principle backflow prevention assemblies shall be tested at the time of installation and at least annually or more frequently if recommended by the manufacturer, and required service performed within five (5) days.

B. Testing shall be performed by a person who has been approved by the Agency as competent to service the device. Proof of approval shall be in writing.

C. Each device shall have a tag attached listing the date of most recent test or visual inspection, name of tester, and type and date of repairs.

D. A maintenance log shall be maintained and include:

1. date of each test or visual inspection;

2. name and approval number of person performing the test or visual inspection;

3. test results;

4. repairs or servicing required;

5. repairs and date completed; and

6. servicing performed and date completed.

E. Whenever backflow prevention devices required by these regulations are found to be defective, they shall be repaired or replaced at the expense of the consumer without delay as required by Section 9A.

F. Backflow prevention devices shall not be bypassed, made inoperative, removed or otherwise made ineffective without specific authorization by the Superintendent of Water.

(Ord. No. 95-2, 03-08-95)

§11.04.10 Booster Pumps.

A. Where a booster pump has been installed on the service line to or within any premises, such pump shall be equipped with a low pressure cut-off device designed to shut-off the booster pump when the pressure in the service line on the suction side of the pump drops to 20 psi or less.

B. It shall be the duty of the water consumer to maintain the low pressure cut-off device in proper working order and to certify to the Superintendent of Water, at least once a year, that the device is operable.

(Ord. No. 95-2, 03-08-95)

§11.04.11 Violations.

A. The Superintendent of Water shall deny or discontinue, after reasonable notice to the occupants thereof, the water service to any premises wherein any backflow prevention device required by these regulations is not installed, tested, maintained and repaired in a manner acceptable to the Superintendent of Water, or if it is found that the backflow prevention device has been removed or bypassed, or if an unprotected cross-connection exists on the premises, or if a low pressure cut-off required by these regulations is not installed and maintained in working order.

B. Water service to such premises shall not be restored until the consumer has corrected or eliminated such conditions or defects in conformance with these regulations and to the satisfaction of the Superintendent of Water, and the required reconnection fee is paid.

C. Water service to such premises shall not be restored until the consumer has corrected or eliminated such conditions or defects on conformance with these Regulations and to the satisfaction of the Superintendent of Utilities/Operations.

D. Neither the Village of Dunlap, the Superintendent of Water, or its agents or assigns shall be liable to any customers of the Village of Dunlap for any injury, damages or lost revenues which may result from termination of said customer's water supply in accordance with the terms of this ordinance, whether or not said termination of the water supply was with or without notice.

E. The consumer responsible for back-siphoned material or contamination through backflow, if contamination of the potable water supply system occurs through an illegal cross-connection or an improperly installed, maintained or repaired device, or a device which has been bypassed, must bear the cost of clean-up of the potable water supply system.

F. Any person found to be violating any provision of this Ordinance shall be served with written notice stating the notice of the violation and providing a reasonable time limit for the satisfactory correction thereof. The offender shall, within the period of time stated in such notice, permanently cease all violation.

G. Any person violating any of the provisions of this Ordinance shall be fined in an amount not less than Fifty Dollars ($50.00) nor more than Five Hundred Dollars ($500.00) for each violation and shall become liable to the Village for any expense, including reasonable attorneys fees and court costs, loss or damage occasioned by the Village by reason of such violation, whether the same was caused before or after notice. Each day in which any such violation occurs shall be deemed a separate offense.

(Ord. No. 95-2, 03-08-95)