

	West Virginia Department of Health and Human Resources				
	MANUAL OF ENVIRONMENTAL HEALTH PROCEDURES				
Section	Drinking Water	Date	June 7, 1989	Procedure #	DW-27
Subject	Requirements for Potable Water Haulers			Page	1 of 2

Registration / Inspections / Samples

1. All water haulers who supply water for potable use shall register with the local health department.
2. A sanitarian with the respective local health department will inspect all facilities to be used by the hauler and the hauler's records of the past year to assure compliance with these requirements.
3. Following registration, the sanitarian will conduct periodic inspections and collect water samples for bacteriological and/or chemical analysis as deemed necessary.

Source

1. Water shall be obtained from public water supplies or other health department approved sources supplying water which meets the minimum standards of the WV Public Water Supply Regulations.
2. All transported water shall be bacteriologically safe and free of contaminants deleterious to human health.
3. A predetermined point of access to the public water supply should be agreed upon by the health department, water haulers and an official of the public water supply system. The water should be withdrawn from the treatment plant and not from fire hydrants or dead-end lines, etc.
4. All water supply valves must be in good condition and not leaking.

Equipment

1. A tanker used for hauling other than potable water shall not be approved unless its prior use and reconditioning is documented and does not pose a public health risk.
2. All tankers shall be marked clearly with a sign "Drinking Water Only."
3. A protected vent must be provided for each tanker to assure that negative pressures do not occur during delivery which might create a potential for backflow from the customer's system.
4. There shall be a covered opening of sufficient size to enable the inside of the tank to be cleaned and inspected.
5. All the water contact surfaces shall be smooth, impervious and free of corrosion. Coatings must be non-toxic and of a type that will not flake off in the water. Only non-toxic coatings approved by the State Department of Health may be used on water contact surfaces.
6. The water hose may be of rubber or plastic materials. If plastic, it must display the seal of the National Sanitation Foundation (NSFpw). The hose shall be protected by a cap on the open end. The hose shall also have an eight inch diameter disk installed near the end to keep the end from contact with the floor or ground.

Operation

1. Three ounces of laundry bleach (5.25%available chlorine) shall be added to the tank for each 1,000 gallons water capacity. This chlorine solution shall be added to the water transportation tank immediately before filling the tank with water or before transporting the filled tank.
2. Chlorine residual shall be measured and recorded immediately prior to delivery. If the total chlorine residual is less than 1.0 ppm, the water shall not be delivered.
3. The tank shall be protected from contamination at all times – during filling, transporting, delivery, and when empty. Care shall be taken so that no openings into the tank are exposed allowing contamination to enter the tank.
4. In cases of emergency caused by disaster or drought making it necessary for fire departments to haul drinking water, the local health department is to assure that proper disinfection procedures are followed. Chlorine or an equivalent approved disinfectant must be added to assure a free chlorine residual, or equivalent, of at least 1.0 ppm or 1.0 mg/l using an approved test kit prior to discharge of the load at the customer's reservoir or intended storage.

Records

1. Each hauler must keep a detailed log for at least one year after delivery which includes:
 - a. The source of water and its point of withdrawal.
 - b. Date and time of pick-up and delivery
 - c. Point of delivery and chlorine residual measured at the time of delivery
 - d. The name of the driver of (or other responsible person with) the tank truck.

References

History

Attachments