United States Environmental Protection Agency Office of Water Program Operations Washington DC 20460 January 1980 FRD-10

SEPA

Small Wastewater Systems

Alternative Systems for Small Communities and Rural Areas







36 Why Small Systems?

Lower Water & Sewer Rates

Rates skyrocket when a few people have to pay for a large system.

Federal Government Pays 85%

EPA Construction Grants Program

If you're a small community or a sparsely populated area of a large community and have a water pollution problem caused by buildings in use December 27, 1977:

The Government pays 85% of eligible costs for alternative systems if your State, local government, and EPA approve them for your project. Your community, often with State

Save Energy, Water, Materials

Most small systems use less.

help, pays the other 15%. Farmers Home Administration, Economic Development Administration, Housing & Urban Development, and Community Services Administration programs also help in some areas.

The Government pays to repair or replace the system if it fails within 2 years of final inspection because it proves unsuited to the project or its design concept is faulty.

Systems can be publicly or privately owned. They can be for residences or small commercial establishments.

- Publicly owned systems are owned by the local government.

You Must Consider Alternatives EPA can't approve a central system plan submitted after Sept. 30, 1978, unless the community shows it considered alternative systems.

More Information From:

- **EPA National Small Wastewater** Flows Clearinghouse West Virginia University; Morgantown, WV 26506; 800-624-8301.
- Center for Environmental Research Information 26 W. St. Clair; Cincinnati, OH 45268; 513-684-7391.
- Your EPA Regional Office

1. Boston (Conn., Maine, Mass., N.H., R.I., Vt.); JFK Federal Bldg.; Boston, MA 02203; 617-223-7210.

2. New York (N.J., N.Y., P.R., V.I.); 26 Federal Plaza; New York, NY 10007; 212-264-2525.

3. Philadelphia (Del., Md., Pa., Va., W.Va., D.C.); 6th & Walnut Sts.; Philadelphia, PA 19108; 215-597-9814.

(Ala., Ga., Fla., Miss., N.C., S.C., Tenn., Ky); 345 Courtland St., N E.; Atlanta, GA 30308; 404-881-4727.

5. Chicago (III., Ind., Ohio, Mich., Minn., Wis.); 230 S. Dearborn St.; Chicago, IL 60604; 312-353-2000.

6. Dallas (Ark., La., Okla., Tex., N.Mex.); 1201 Elm St.; Dallas, TX 75270; 214-767-2600.

7. Kansas City (lowa, Kans., Mo., Nebr.); 324 E. 11th St.; Kansas City, MO 64108; 816-374-5493.

Denver (Colo., Utah, Wyo., Mont., N.D., S.D.); 1860 Lincoln St.; Denver, CO 80203; 303-837-3895.

9. San Francisco Ariz., Calif., Guam, Hawaii, Nev., Amer. Samoa, Trust Territories of the Pacific); 215 Fremont St.; San Francisco, CA 94105; 415-556-2320.

10. Seattle (Alaska, Idaho, Oreg., Wash.); 1200-6th Ave.; Seattle, WA 98101; 206-442-1220. Engineers and consultants: For detailed technical information get EPA's onsite systems manual free from Center for En-vironmental Research Information; 26 W. St. Clair; Cincinnati, OH 45268; 513-684-7391 ; and Innovative and Alternative Technology Assess-ment Manual from Municipal Construction Division (WH-547), OWPO, EPA, 401 M St. SW., DC 20460: 202-405-8976 20460; 202-426-8976 .

Save Prime Farmland,

Prevent Urban Sprawl

ment.

Large central sewage systems in rural

- Privately owned systems are owned

by the property owner or a communi-

ty organization. They can be funded i

An authorized local government

a system for inspection, proper

· They're more cost effective than

a conventional central system;

Commercial users pay back their

The residence is a principal

share of system cost.

isn't practical;

are not eligible.

operation, maintenance, and user

charges; and says public ownershi

dwelling; vacation or second homes

unit applies for the grant; guarantees

areas can bring unwanted develop-

This publication isn't meant to be a comprehensive guide to alternative systems. It tries to acquaint the layperson with some representative systems used in the United States. EPA does not endorse, approve, or disapprove any system described here. Not all systems shown are approved by all jurisdictions. To get EPA funds, a projr must meet Federal, State, and local sta dards.







Plants & animals that grow in wastewater help purify water by digesting pollutants. Harvest is used as food, fertilizer, etc.

Storage Tank

