



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

THE ADMINISTRATOR

POLICY ON MUNICIPAL SLUDGE MANAGEMENT

U.S. ENVIRONMENTAL PROTECTION AGENCY

STATEMENT OF POLICY

The U.S. Environmental Protection Agency (EPA) will actively promote those municipal sludge management practices that provide for the beneficial use of sludge while maintaining or improving environmental quality and protecting public health. To implement this policy, EPA will continue to issue regulations that protect public health and other environmental values. The Agency will use all available authorities to ensure that States establish and maintain programs to ensure that local governments utilize sludge management techniques that are consistent with Federal and State regulations and guidelines. Local communities will remain responsible for choosing among alternative programs, for planning, constructing, and operating facilities to meet their needs, and for ensuring the continuing availability of adequate and acceptable disposal or use capacity.

RATIONALE

Municipal sludge is generated as a consequence of treating municipal wastewater. Nearly 7 million dry tons per year of residual sludge solids are currently produced by publicly owned treatment works. Sludge management is an essential component of wastewater treatment operations and a major element in treatment costs. All options for sludge use and disposal have costs, benefits, and risks. EPA believes that guidance and regulations are the best way to promote good practices for sludge use and disposal that minimize the potential adverse impacts on public health and the environment and maximize the potential benefits. The benefits potentially gained through sludge use include energy and nutrient recovery, soil improvement, and the conservation of valuable natural resources.

Many Federal laws require environmentally sound management of municipal sludge and several of these laws stress the need for sludge utilization and reuse. These include the Clean Water Act; Clean Air Act; Resource Conservation and Recovery Act; Marine Protection, Research and Sanctuaries Act; Toxic Substances Control Act; and the National Environmental Policy Act. Because there is no single legislative approach, a framework for integrating the various Federal laws and regulations is needed to ensure that sludges are used or disposed of in a consistent, environmentally acceptable, and economically feasible manner, EPA recognizes the need to control the potential impacts of sludge use and disposal practices, and in the past has attempted to guide and control sludge management without such an integrating framework through individual regulations, technical guidance, and research. These efforts have not provided sufficient certainty to the regulatory process, nor have they always guided local governments toward adequate sludge management planning. Accordingly, EPA is issuing this policy statement and taking other steps to help establish a more integrated approach to municipal sludge management at the Federal, State and local level.

PRINCIPLES GUIDING POLICY IMPLEMENTATION

1. EPA believes that the risks, benefits, and costs of all sludge use and disposal practices should be considered on an intermedia basis when formulating and implementing sludge regulations and management programs. Potential short-term and long-term impacts to public health and environment should be addressed to ensure that the options chosen protect human health and the environment.
2. EPA believes that minimization of potential widespread or irreversible impacts, as well as involuntary hazards, should receive primary emphasis in both regulations and sludge management decisions. Where the risks are uncertain but potentially significant, additional safeguards may be needed.
3. EPA believes that the planning and operation of wastewater and sludge treatment processes should be closely integrated to control both sludge volume and sludge quality.
4. EPA believes that contaminant levels in municipal sludge which interfere with its management should, whenever possible, be controlled at the source through changes in waste generating activities or through local pretreatment requirements beyond the minimum requirements specified by Federal categorical standards.

5. EPA believes that beneficial sludge use should be the intent of major sludge management technologies of the future and has devoted research in support of them. Regulations and guidelines that establish the requirements for these systems are essential to the wider use of these technologies.
6. EPA believes that in most cases States should have the primary responsibility for implementing regulatory programs for sludge use and disposal which provide for clear and expeditious decision-making, and the States should help local governments and others to develop, implement, and maintain proper sludge management systems.
7. EPA encourages public and private sector development of improved sludge management and pretreatment technologies and practices that increase the number of cost effective and environmentally acceptable sludge management methods available.

POLICY IMPLEMENTATION ROLES AND RESPONSIBILITIES

1. Responsibility for Establishing Basic Regulatory Requirements for Sludge Management Rests with EPA. EPA will maintain an oversight role and will:
 - o Integrate and interpret the requirements of the several applicable Federal laws and issue regulations and guidance to ensure that they are applied consistently toward municipal sludge management;
 - o Establish regulatory requirements that promote beneficial sludge use;
 - o Provide standards that establish contaminant levels and management practices for acceptable municipal sludge use and disposal;
 - o Establish minimum requirements for State sludge management programs providing sufficient discretionary authority for States to tailor their programs and actions to local variation;
 - o Enforce adherence to Federal requirements where not enforced by States;
 - o Provide guidance and information on sludge treatment technologies and practices and direct technical assistance to States and local governments;

- o Support research and development, and encourage the demonstration of projects to facilitate the advancement and use of new or improved technologies;
- 2. Responsibility for Ensuring Effective Sludge Management by Local Governments Rests Primarily with Each State.
 - o Each State shall establish and maintain a regulatory and oversight program adequate to implement State and Federal requirements;
 - o Each State should provide active assistance to local governments in planning their sludge management systems.
- 3. Responsibility to Operate and Maintain Appropriate Sludge Management Systems Rests with Each Municipality.
 - o Municipalities are responsible for operating and maintaining sludge management systems which comply with applicable Federal and State regulatory requirements.
 - o Municipalities are responsible for maintaining sludge use and disposal capacity sufficient to meet the needs of their wastewater treatment systems.
 - o Municipalities are responsible for controlling the discharge of contaminants into their sewerage systems so that sludge quality is suitable for meeting regulatory requirements and local management objectives.

May 31, 1984

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Administrator