



STATE OF NEW MEXICO EXECUTIVE OFFICE SANTA FE, NEW MEXICO

# Proclamation

*WHEREAS, proper septic system use and routine care are vital to protecting public health, preserving our highly valued groundwater, lakes, streams and waterways; to avoid costly repairs that can result from septic neglect; and*

*WHEREAS, nearly 190,000 septic systems in New Mexico treat nearly 57,000,000 gallons of wastewater from homes and businesses; and*

*WHEREAS, wastewater professionals from the State of New Mexico use their expertise in the design, installation, maintenance and regulation of septic systems in New Mexico; and*

*WHEREAS, the U.S. Environmental Protection Agency's SepticSmart program used by New Mexico health officials educates homeowners about the need for proper septic system use and routine maintenance; and*

*WHEREAS, residents and the environment of New Mexico benefit from properly designed, installed, operated, and maintained septic systems;*

*NOW THEREFORE, I, Michelle Lujan Grisham, Governor of the State of New Mexico, do hereby proclaim September 16th–20<sup>th</sup>, 2019 as:*

## **“SepticSmart Week in New Mexico”**

*throughout the State of New Mexico.*

Attest:

*Done at the Executive Office this  
23<sup>rd</sup> day of August, 2019.*

*Maggie Toulouse Oliver*

Maggie Toulouse Oliver  
Secretary of State

*Witness my hand and the Great Seal  
of the State of New Mexico.*



*Michelle Lujan Grisham*

Michelle Lujan Grisham  
Governor



# SAVE THE DATE!

## SepticSmart Week 2019

September 16–20, 2019

### Start early!

SepticSmart Week is an annual event focused on educating homeowners and communities on the proper care and maintenance of their septic systems.

Visit [www.epa.gov/septic](http://www.epa.gov/septic) for more resources and information about SepticSmart Week 2019.



  
**septicSMART**

U.S. Environmental Protection Agency



# Do your Part— Be Septic Smart!

## The New Mexico Homeowner's Guide to Septic Systems



**Good for your wallet.  
Good for your health.  
Good for the environment.**

Did you know that one-quarter of all U.S. homes have septic systems? Yours may be one of them. If you're not properly maintaining your septic system, you're not only hurting the environment, you're putting your family's health at risk—and may be flushing thousands of dollars down the drain!



## Maintaining Your Septic System:

# First Things First

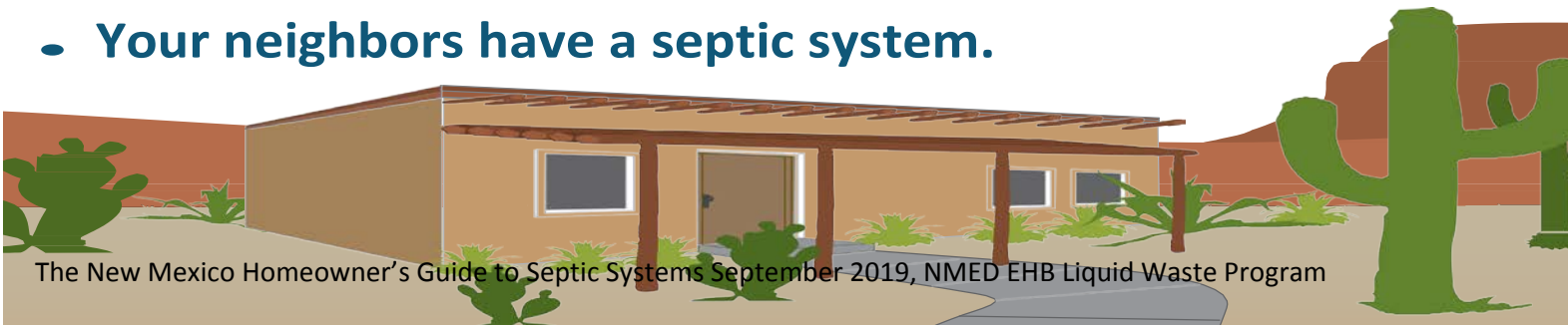
## What Is a Septic System?

Common in rural areas without centralized sewer systems, septic systems are underground wastewater treatment structures that use a combination of nature and time-tested technology to treat wastewater from household plumbing produced by bathrooms, kitchen drains, and laundry.

## Do You Have a Septic System?

You may already know you have a septic system. If you don't know, here are tell-tale signs that you probably do:

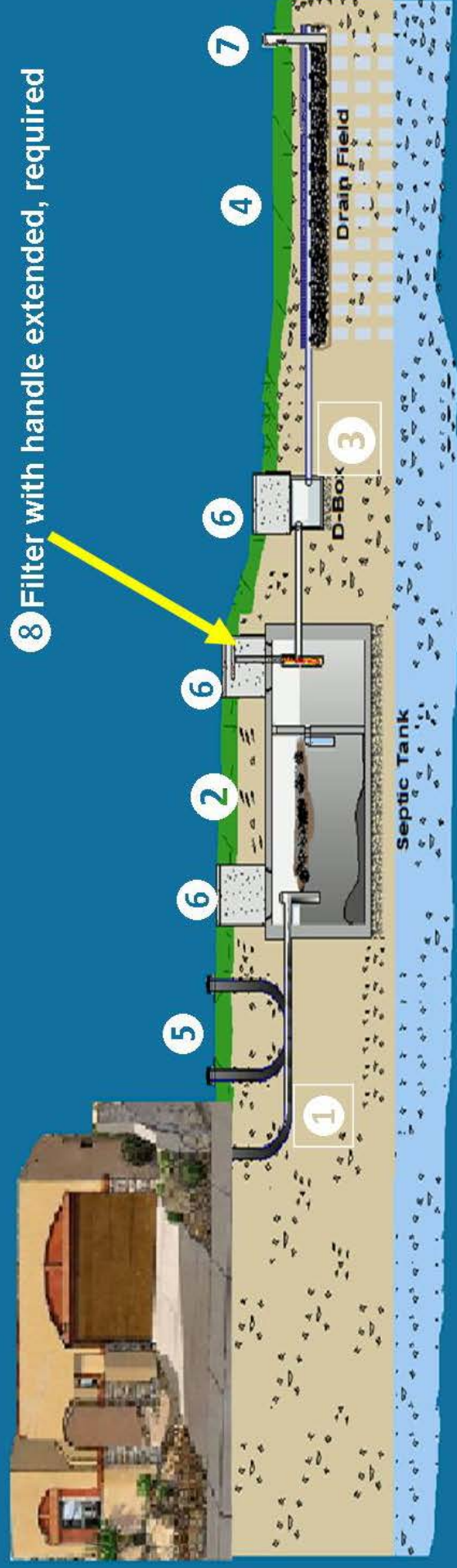
- You use well water.
- You show a "\$0.00 Sewer Amount Charged" on your water bill.
- The waterline coming into your home doesn't have a meter.
- Your neighbors have a septic system.



# How does a septic system work?

This is a simplified overview of how a septic system works.

- 1 All water runs out of your house from one main drainage pipe into a septic tank.
- 2 The septic tank is a buried, water-tight container usually made of concrete, fiberglass or polyethylene. Its job is to hold the wastewater long enough to allow solids to settle down to the bottom (forming sludge), while the oil and grease floats to the top (as scum). Compartments and a T-shaped outlet with a filter prevent the sludge and scum from leaving the tank and traveling into the drainfield area.
- 3 The liquid wastewater then exits the tank into the drainfield. If the drainfield is overloaded with too much liquid, it will flood, causing sewage to flow to the ground surface or create backups in toilets and sinks.
- 4 Finally the wastewater percolates into 4 or more feet of soil, naturally removing harmful bacteria, viruses, and nutrients.
- 5 Clean-outs, required, at least one set (double) per 100 feet of sewer line
- 6 Risers, required on all systems installed after 2005
- 7 Inspection port, required



## How to Find Your Septic System.

Once you've determined that you have a septic system, you can find it by:

- Standing outside looking at the bathroom window and look around at the ground for signs of a septic system. If you can't see any signs do the same at your kitchen window. Signs of a septic system pipe or tank would be clean-out, lids and manhole covers. The tank may be below a sunken area or a mounded area; usually about 8 feet by 10 feet.
- Signs of the leach-field would be areas of dense or dark grass or weed growth.
- Looking on your home's "as built" drawing attached to your liquid waste permit.
- Contacting a licensed professional septic installer, inspector, or pumper to help you locate it.





- **Proper waste disposal:** Whether you flush it down the toilet, grind it in the garbage disposal, or pour it down the sink, shower, or bath, everything that goes down your drains ends up in your septic system. And what goes down the drain can have a major impact on how well your septic system works.

## Toilets Aren't Trash Cans!

Your septic system is not a trash can.

An easy rule of thumb — don't flush anything besides human waste and toilet paper.

**Never flush:**

- Feminine hygiene products
- Condoms
- Dental floss
- Diapers
- Cigarette butts
- Coffee grounds
- Cat litter
- Pharmaceuticals
- Household chemicals like gasoline, oil, pesticides, antifreeze, and paint

For a complete list, visit [water.epa.gov/septicmart.org](http://water.epa.gov/septicmart.org)

### Beware of septic tank additives!

Some makers of septic tank additives claim their products break down septic tank sludge in order to eliminate the need for pumping. But the effectiveness of additives has not been determined; in fact, many studies show that additives have no significant effects on a tank's bacterial populations.

Septic tanks already contain the microbes they need for the effective breakdown of household wastewater pollutants. Periodic pumping is the only true way to ensure that septic systems work properly and provide many years of service.

# Why Should You Maintain Your Septic System?

## Maintaining Your Septic System

### \$\$\$ Saves You Money \$\$\$

Regular maintenance fees of \$250 to \$300 every three to four years are a bargain compared to the cost of repairing or replacing a malfunctioning system, which can cost between \$3,000 and \$7,000. The frequency of pumping required for your system depends on how many people live in your home and the size of the system.

#### Protects Your Property Value

An unusable septic system or one in disrepair will lower your property value, not to mention pose a potentially costly legal liability.

#### Keeps You and Your Neighbors Healthy

Household wastewater is loaded with disease-causing bacteria and viruses, as well as high levels of nitrogen and phosphorus. If a septic system is well-maintained and working properly, it will remove most of these pollutants. Insufficiently treated sewage from septic systems can cause groundwater contamination, which can spread disease in humans and animals.

Improperly treated sewage also poses the risk of contaminating nearby surface waters, significantly increasing the chance of swimmers contracting a variety of infectious diseases, from eye and ear infections to acute gastrointestinal illness and hepatitis.





## Maintaining Your Septic System:

### The Basics

Septic system maintenance isn't complicated, and it doesn't need to be expensive. Upkeep comes down to four important elements:

- Inspection and pumping
- Water efficiency
- \* Proper Waste Disposal
- \* Drainfield care

Contact your local septic professional that can provide this service.

Inspect and pump frequently.

The average household septic system should be inspected at least every three years

### Protects the Environment

More than four billion gallons of wastewater is dispersed below the ground's surface every day. That's a lot of water! Groundwater contaminated by poorly or untreated household wastewater doesn't just pose dangers to drinking water—it poses dangers to the environment. Malfunctioning septic systems release bacteria, viruses, and chemicals toxic to local waterways. When these pollutants are released into the ground, they eventually enter streams, rivers, lakes, and more, harming local ecosystems by killing native plants, fish, and shellfish.

### Failure symptoms: Mind the signs!

A foul odor isn't always the first sign of a malfunctioning septic system. Call a septic professional if you notice any of the following:

- Wastewater backing up into household drains.
- Bright green, spongy grass on the drainfield, even during dry weather.
- Pooling water or muddy soil around your septic system or in your basement.
- A strong odor around the septic tank and drainfield.

## Use water efficiently

Did you know that average indoor water use in a typical single-family home is nearly 70 gallons per individual, per day? And just a single leaky toilet can waste as much as 200 gallons of water per day.

All of the water a household sends down its pipes winds up in its septic system. This means that the more water a household conserves, the less water enters the septic system. Efficient water use can not only improve the operation of a septic system, but it can reduce the risk of failure as well. Learn more about simple ways to save water and water-efficient products by visiting EPA's Water Sense Program at [www.epa.gov/watersense](http://www.epa.gov/watersense).

- **High-efficiency toilets:** Toilet use accounts for 25 to 30 percent of household water use. Most older homes have toilets with 3.5- to 5-gallon reservoirs, while newer, high-efficiency toilets use 1.6 gallons of water or less per flush. Replacing existing toilets with high-efficiency models is an easy way to quickly reduce the amount of household water entering your septic system.
- **Faucet aerators and high-efficiency showerheads:** Faucet aerators help reduce water use as well as the volume of water entering your septic system. High-efficiency showerheads or shower flow restrictors also reduce water use.
- **Consider purchasing an ENERGY STAR<sup>®</sup> clothes washer,** which uses 35 percent less energy and whopping 50 percent less water than a standard model. Learn more about ENERGY STAR appliances by visiting [www.energystar.gov](http://www.energystar.gov).

- **Washing machines:** Washing small loads of laundry on your washing machine's large-load cycle wastes water and energy. By selecting the proper load size, you'll reduce water waste. If you're unable to select a load size, run only full loads of laundry
- Another tip—try to spread water use via washing machine throughout the week. Doing all household laundry in one day might seem like a time-saver, but it can be harmful to your septic system, as it doesn't allow your septic tank time to adequately treat waste and could potentially flood your drainfield.

## Small leaks can lead to big problems!

When it comes to water fixtures, a couple of quick fixes can save you serious problems down the road!

Check to see if your toilet's reservoir is leaking into your toilet bowl by adding five drops of liquid food coloring to the toilet reservoir before bed. If the dye is in the toilet bowl the next morning, the reservoir is leaking and repairs are needed.

Think a leaky faucet is no big deal? Think again. A small drip from a faucet adds gallons of unnecessary water to your septic system every day.

To see how much a leak adds to your water usage, place a cup under the drip for 10 minutes. Multiply the amount of water in the cup by 144 (the number of minutes in 24 hours, divided by 10). Just one cup of leaky faucet water every 10 minutes equals 36 wasted gallons of water a day—and they all end up in your septic system.

New faucets and toilet reservoirs are easily accessible and inexpensive. Choose to make a small investment for a big difference in your septic system.





## Take care at the drain

- Your septic system contains a collection of living organisms that digest and treat household waste.

Pouring toxins down your drain can kill these organisms and harm your septic system.

Whether you're at the kitchen sink, bathtub, or utility sink:

- Avoid chemical drain openers for a clogged drain. Instead, use boiling water or a drain snake.
- Never pour cooking oil or grease down the drain!
- Never pour oil-based paints, solvents, or large volumes of toxic cleaners down the drain. Even latex paint waste should be minimized.
- Eliminate or limit the use of a garbage disposal, which will significantly reduce the amount of fats, grease, and solids that enter your septic tank and ultimately clog its drainfield.

**Maintain your drainfield:** Your drainfield—a component of your septic system that removes contaminants from the liquid that emerges from your septic tank—is an important part of your septic system. Here are a few things you should do to maintain it:

- Never park or drive on your drainfield.
- Plant trees the appropriate distance from your drainfield to keep roots from growing into your septic system. A septic service professional can advise you of the proper distance, depending on your septic tank and landscape.
- Keep roof drains, sump pumps, and other rainwater drainage systems away from your drainfield area, as excess water slows down or stops the wastewater treatment process.
- Keep large livestock out of your drainfield area.

## Failure Causes

Pouring household and home improvement chemicals down your drains, flushing garbage down toilets, excessive water use, and failure to provide proper maintenance aren't the only culprits for septic system failure. Take note of these additional causes of septic failure:

### Hot tubs

Hot tubs may be a great way to relax, but when it comes to emptying them, your septic system should be avoided. Emptying a hot tub into your septic system stirs the solids in the tank, pushing them into the drainfield, causing it to clog and fail.

Drain cooled hot tub water onto turf or landscaped areas far away from your septic tank and drainfield, and in accordance with local regulations. Use the same caution when draining swimming pools.

### Water purification and softening systems

Some freshwater purification systems, including water softeners, unnecessarily pump water into septic systems. Such systems can send hundreds of gallons of water to septic tanks, causing agitation of solids and excess flow to drainfields. Before researching water purification and softening systems, check with a licensed plumbing professional about alternative routing for such treatment systems.

### Garbage disposals

Consider eliminating or limit the use of garbage disposals. While convenient, frequent use of garbage disposals significantly increases the accumulation of sludge and scum in septic tanks, resulting in the need for more frequent pumping.



November 2013

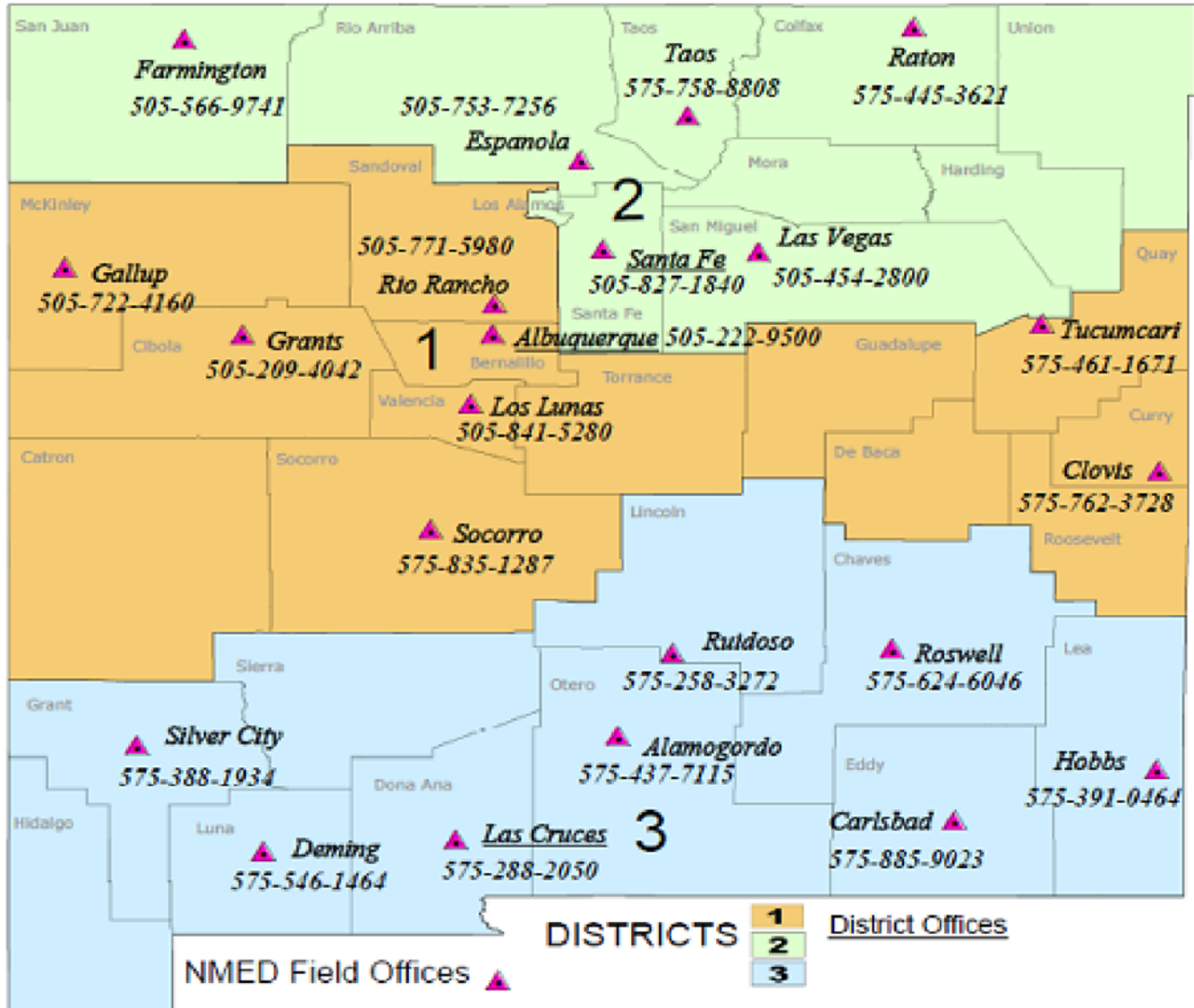
For more information on how you can be SepticSmart, please visit: [www.epa.gov/septicSMART](http://www.epa.gov/septicSMART)

U.S. Environmental Protection Agency

# CONTACT US



## New Mexico Environmental Health Bureau District Boundaries



For questions regarding permitting or permit searches, contact your local NMED office. For questions about the Liquid Waste Program, contact the Liquid Waste Specialist in your district, or contact the Program Personnel.

For more information on septic systems in New Mexico please visit:

<https://www.env.nm.gov/fod/LiquidWaste/contact.us.html>

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