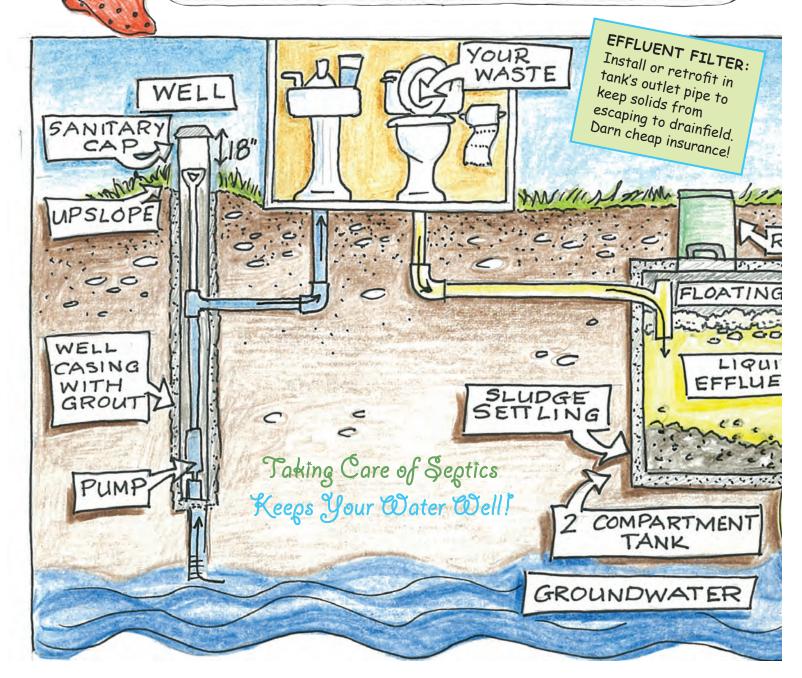


SEPTICS ANATOMY:

HOWDY, PARDNER! IF YOU LIVE IN RURAL MONTANA YER PROB'LY THE PROUD OWNER/OPERATOR OF YOUR VERY OWN UNDERGROUND SEWAGE TREATMENT PLANT & WATER SUPPLY. IT'S YOUR SEPTIC SYSTEM & WELL!! BURIED OUT THERE IN THE BACKYARD.... SOMEWHERE.... AND, BY GOLLY, YOU ARE THE UTILITY COMPANY. SO TREAT YOUR SEPTIC RIGHT & YOUR WATER WELL, BECAUSE YER DRINKIN' IT!



After sludge settles down, liquid effluent (your wastewater) flows out to the drainfield and seeps through drainpipe holes into the soil "filter" where it's purified by microbial critters in soil pores. Percolating down to recharge groundwater, your treated wastewater feeds your well, your neighbors' wells—plus gardens, irrigation, and our lakes & streams! You want it to be good soil, and clean water.

Bacteria in the tank work to break down the sludge layer, but eventually ... ALL TANKS NEED TO BE PUMPED! All tanks. All.

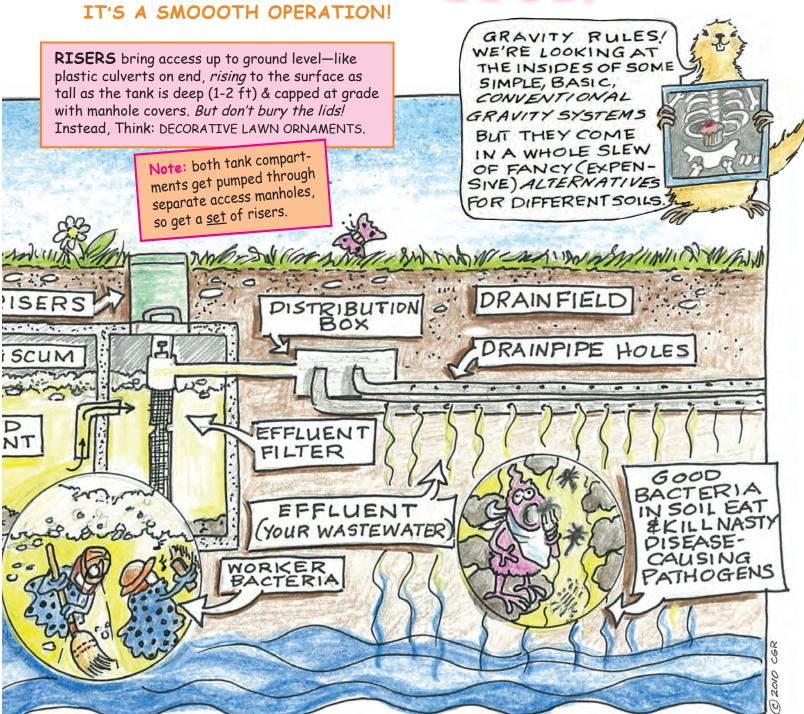
DO YOU KNOW...

WHERE YOUR TANK IS?
HOW BIG IT IS?
WHEN IT WAS LAST PUMPED?
WHERE YOUR DRAINFIELD IS?

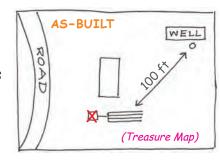
Once you find it, map it!

HOW THEY WORK & WHY THEY FAIL

When Things Are GOOD,



Most counties now keep records of new systems with an AS-BUILT, a drawing of the house footprint & property lines in relation to the septic and well—as it was built! Ask the county for yours, or draw one yourself!



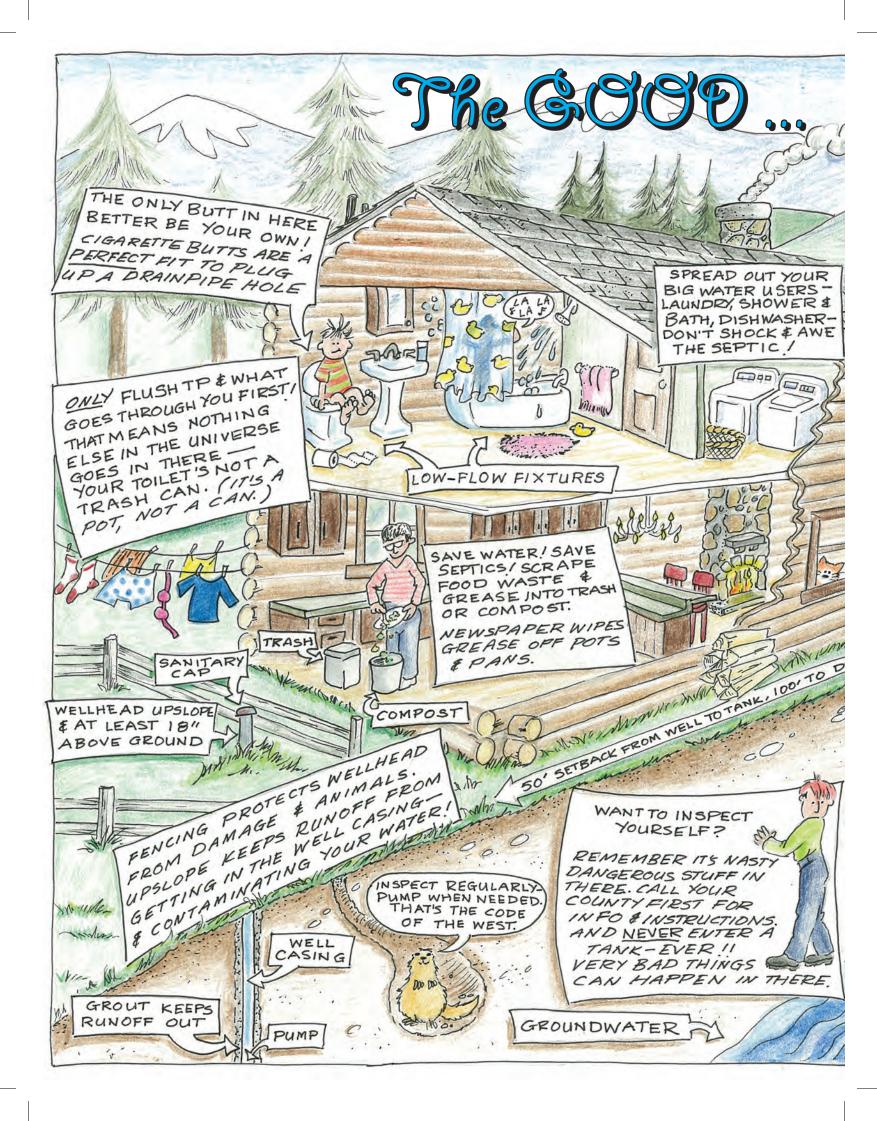
What's buried out in your backyard?

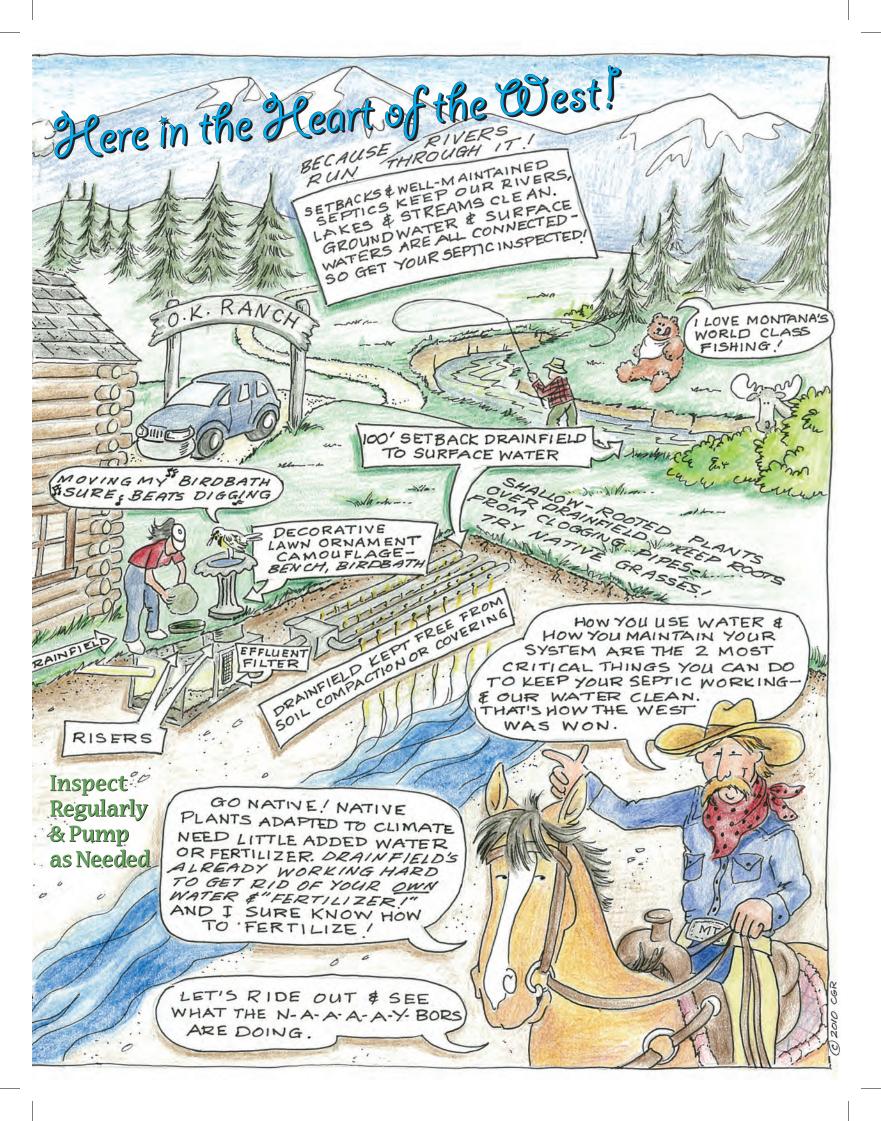
Doesn't matter where you live, in what kind of house, how big it is—or if your granddaddy homesteaded the place or you're a shiny new city slicker. What'll make YOUR septic the GOOD, the BAD, or the Downright UGLY is all about:

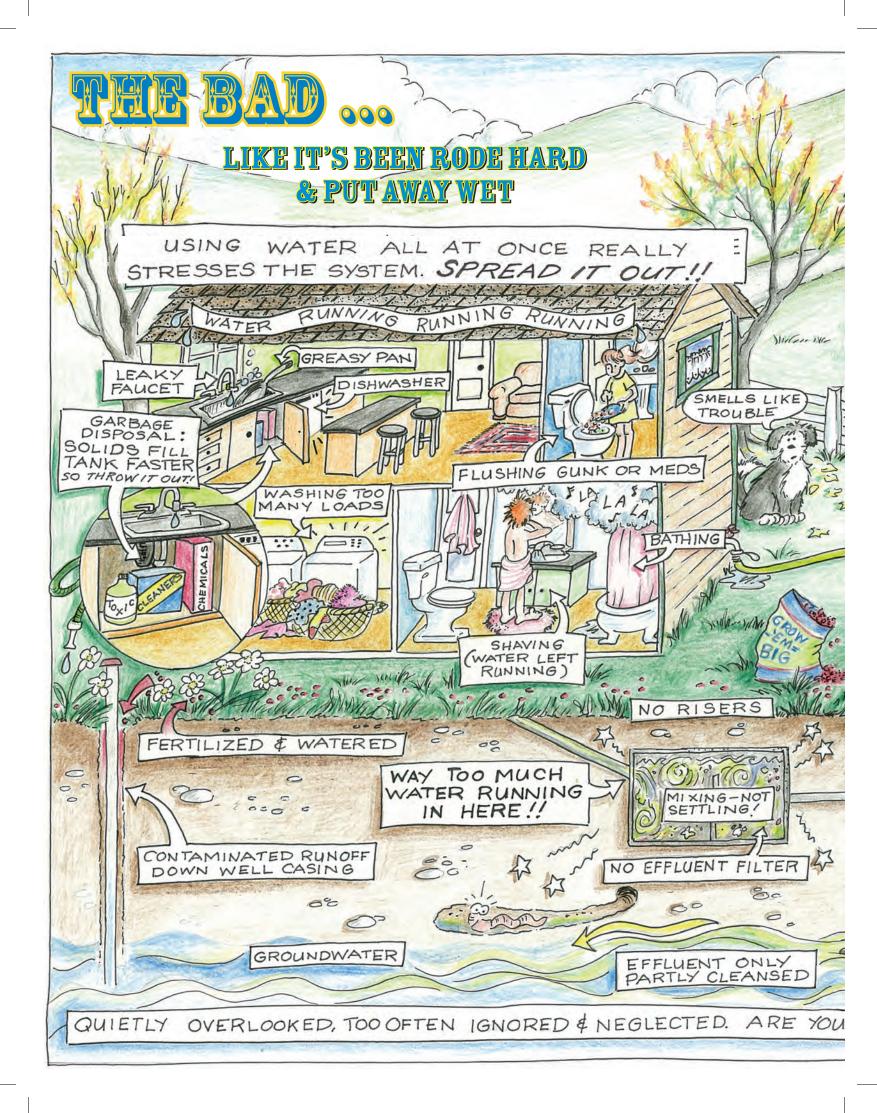
How you take care of it, & How you live with it.

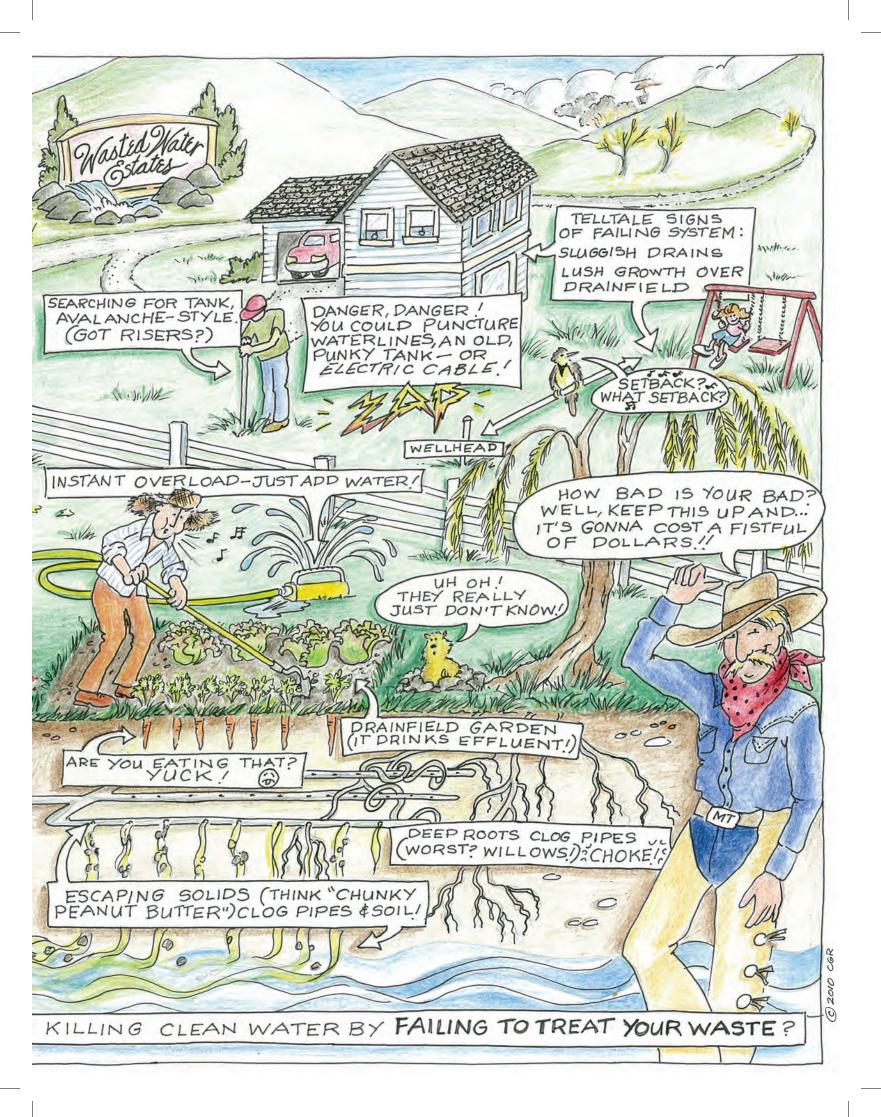
Follow us in the Pore of Discovery to explore how to protect your well & septic—& how to discover signs of trouble!

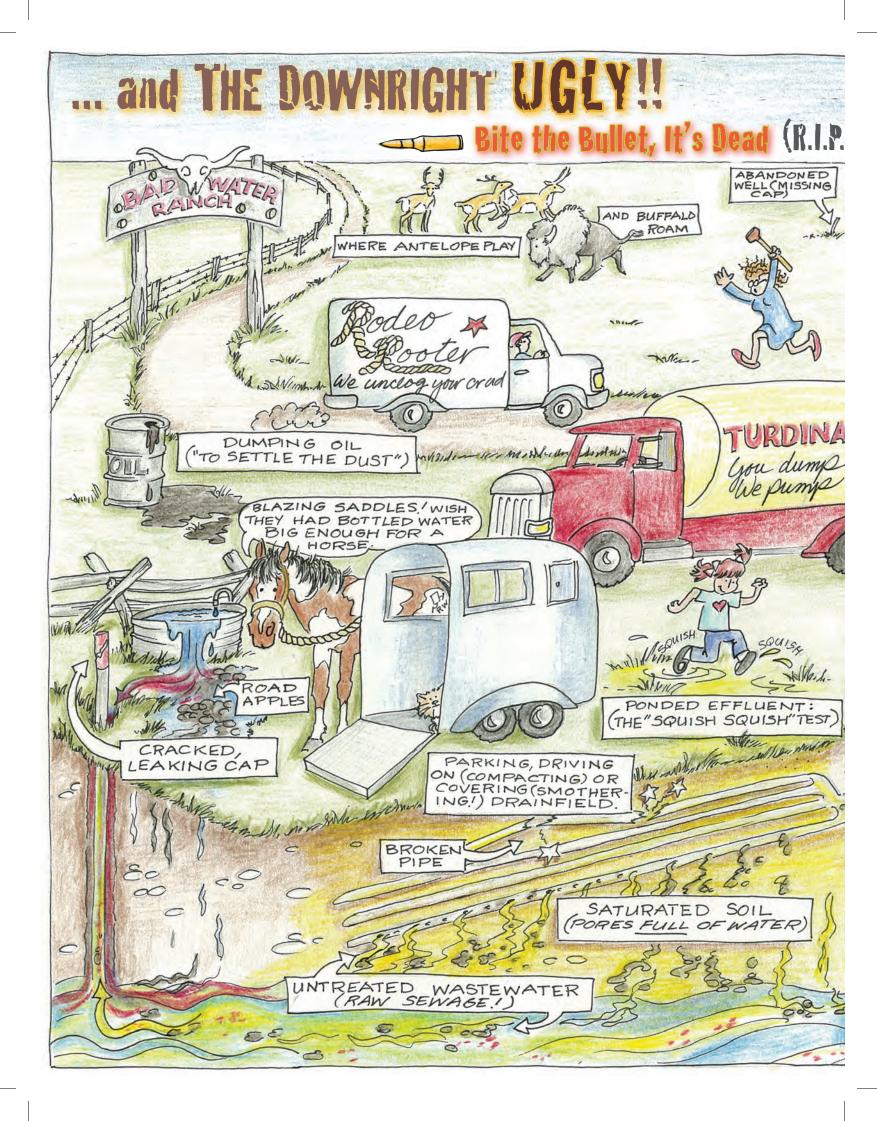


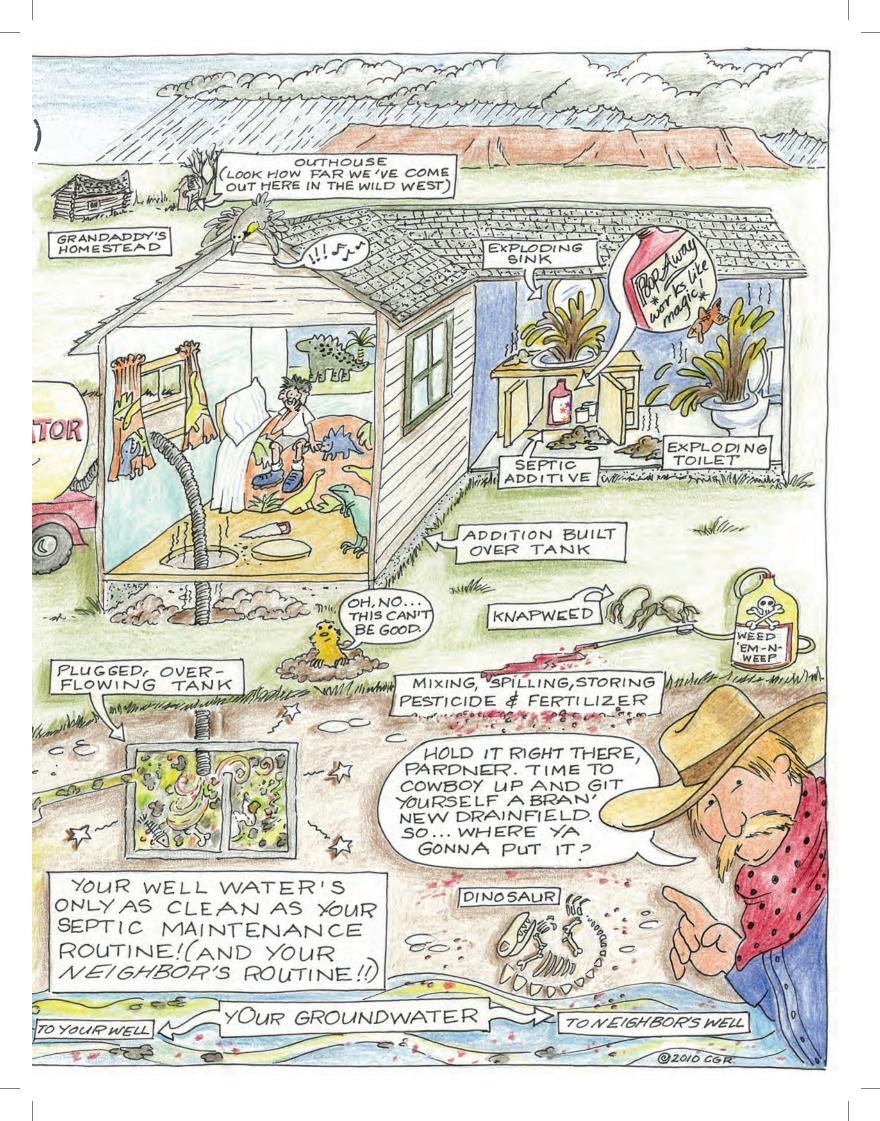






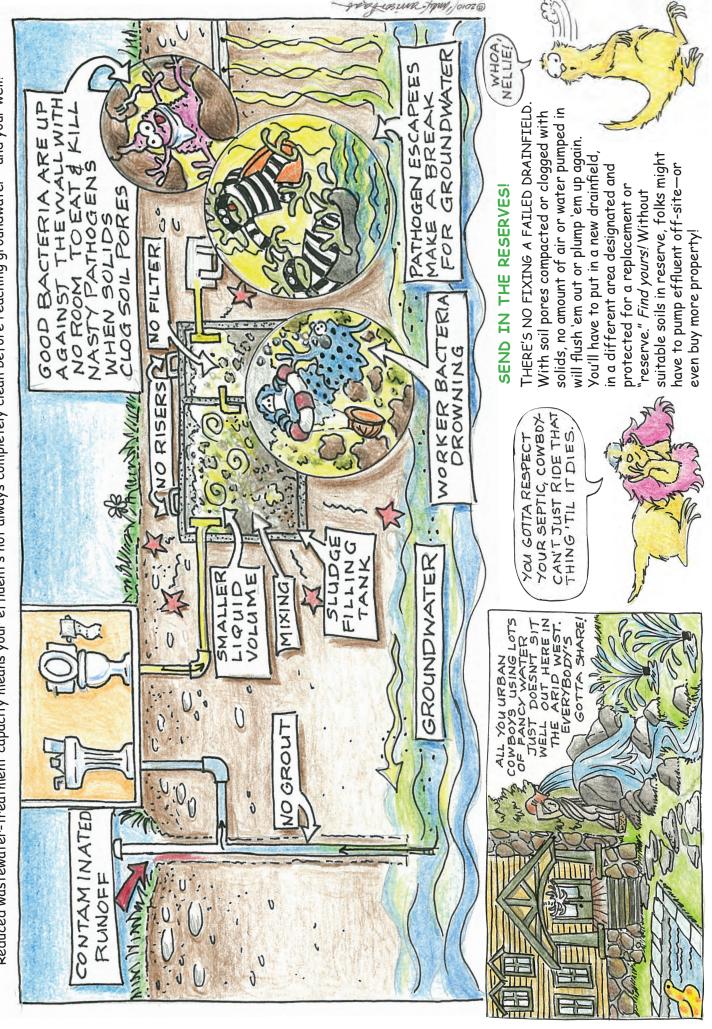






A FAILURE WAITING TO HAPPEN When Good Systems Go BA

Reduced wastewater-treatment capacity means your effluent's not always completely clean before reaching groundwater—and your well! A tank full of solids leaves less room for liquid so it shortens settling time, flowing out to drainfield with solids mixed in.



DE THEM DOWNFIETH

YUP, IT'S DEAD, ALRIGHT

Tank plugged full of solids overflows to clog pipes, soil pores—& plumbing! Clogged, sluggish, & backed-up, this is your sewage coming back to haunt you and your drinking water! You will be visited by seepage, leakage, & FAILURE—contaminating groundwater, well water-



Wells & septic systems may be too close in some of our older

SYSTEMS & WELL

SEPARATION SEPTIC

well's 100' setback Safety Circle could overlap with communities, where a neighboring septics.

new meaning to Gives a whole Are YOU drinking septic failures? your Neighborfrom nearby hood Circle.

OR NOT TO ADD, ADDITIVES: IS THAT THE QUESTION? TO ADD,

don't help. Look at it this way: Caustic chemicals or biological agents designed to pretty could harm—and

BREAK DOWN SOLIDS can BREAK SOLIDS DOWN to float out the tank & clog the drainfield. Be careful what you wish for!

Ride Herd on Your Septic!

LOCATE (find it!)

INSPECT regularly

PUMP as needed

& PROTECT!

- Retrofit Risers & Effluent Filters
- Think Compost & Trash vs. Garbage Disposal
- Use Least Amount of Toxic Chemicals & Cleaners (USE RECOMMENDED DOSE. HANDLE & STORE CAREFULLY)
- Landscape Drainfield with Shallow-Rooted Plants, Not Deep
- Keep Sprinklers, Runoff, & Contaminants Away from Drainfield
- Protect Well—3 best ways: MONITOR WATER QUALITY (NITRATES, BACTERIA), SEPTIC MAINTENANCE, & CURB RUNOFF POLLUTION
- Watch Water Use & "Shock" Loads
- Keep Good Records—SEPTIC/WELL LOG (FIND IT, START IT, KEEP IT)

RIDE 'EM

- Check Graywater Potential for Your County!
- And Remember, No Matter How Fancy or Expensive—ALL TANKS NEED TO BE PUMPED!

WANTED: SEPTIC KILLERS!

TANK NEEDS PUMPING HIGH WATER USE FLUSHING TRASH

DANGEROUS LACK OF MAINTENANCE TOO MUCH GARBAGE DISPOSAL

EXTREMELY

OVERLOADED WITH SOLIDS KITCHEN GREASE & TOXIC CHEMICALS (+ water-softener salts)

DRIVING OVER DRAINFIELD TREE ROOTS; POOR DRAINAGE POOR INSTALLATION, DESIGN, SITING (unfit soils, steep slopes, small lot) DON'T KNOW WHERE SEPTIC IS DON'T KNOW THERE IS A SEPTICE

REWARD: CLEAN WATER!

+ PROTECTED PROPERTY/INVESTMENT/HEALTH

GIPDYUP, ELLY-C'MON PRAIRIE DOG PETE, & BRING YOUR GA WE'RE BACK IN THE SADDLE AGAIN!

ontacts

redits: LET'S HIT THE TRAIL TO NELLIE. OUR WORK HERE IS DONE!

BE SURE TO CHECK WITH YOUR LOCAL HEALTH DEPT. FOR MORE SPECIFICS IN YOUR AREA.

> Montana Department of NVIRONMENTAL ()UALITY

P.O. Box 200901 Helena, Montana 59620-0901 406,444,6697 www.deg.mt.gov/wginfo/swp

The Wild Bunch STARRING:

BIG SKY SLIM & **ELLY THE HORSE** PETE THE PRAIRIE DOG & HIS LADY, NELLIE

Jana M. Suchy Wrangler/Writer/Producer WAY OUT WEST CREATIVE

Candy Garrison Raab Ranch Hand & Brilliant Illustrator Artwork @ 2011

HAPPY TRAILS

Joe Meek Crew Boss DEQ SOURCE WATER PROTECTION

ALL YOUR HELP

BIGSKY SLIM.

NOW, GIT ALONG

LITTLE DOGIES

'HEAR

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