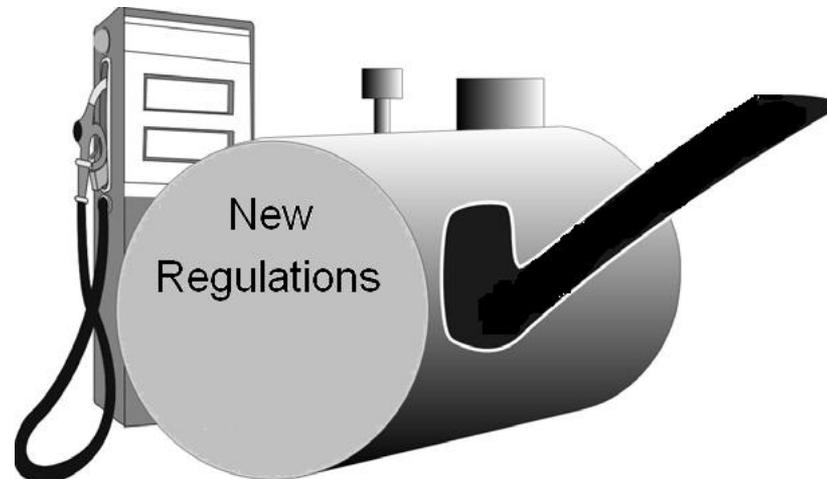




MISSOURI
DEPARTMENT OF
NATURAL RESOURCES

NEW INSTALL PROPOSED RULE CHANGES



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Propose Tie-down of All Tanks



Marinas



Petroleum
Equipment
Institute (PEI)

Recommended
Practice RP1000

Installation of
Marina Fueling
Systems

Marinas

- Breakaways
- Ball valve at shore line
- Anti-siphon valves
- Marina piping
- Sump locations





Marina sumps

- Under dispensers
- Shore line transitions
- Tank tops
- Any other traditional transitions, if applicable
- UV-protected/
treated



New piping installations

- No metal piping underground/ outside sump
 - √ Aboveground
 - √ Inside building
 - √ Flex connector in sump
- Does not apply to *replacement* flexible connectors (IF booted or cathodically protected)

New Installations

- Reduce notification from 30 to 14 days
- Can request waiver (leaks, weather)
- Install notice for piping (as well as tanks)
- Testing overflow, spill and sumps at install
 - For new installs after July 1, 2017

Post-installation testing options

- Tank and Line Tightness Test (0.1 gph)
 - ✓ NWGLDE listing criteria
 - ✓ Manufacturer procedures and certification
- Use Automatic Tank Gauge (ATG)
 - ✓ 0.1gph NWGLDE certified test
 - ✓ Tank 95 percent full

After Install - Before Opening

- Test the entire system- ensure it is tight!

After July 1, 2017:

- Test the containment sumps
- Test the spill buckets and overflow devices

After Jan. 1, 2020:

- Test the release detection equipment

New Containment Sumps

- Must be leak-tight bottom and sides
- Must be maintained and repaired
- Must respond to alarms

- Must be tested every three years **OR**
- Must be interstitially monitored annually

Sump testing starting at install July 1, 2017

Things to Consider for New Sumps

- Number of sump penetrations
- Location of sump penetrations
- Types of containment sumps
- Entry boots - type and installation
- Seal all electrical conduits well
- Keep the sumps clean and free of product

Walkthrough Inspections - Installs

- Weight of lids
- Tank locations
- Dispenser access/ security
- Owner or contractor performing walkthrough?

Other Considerations- Installs

- Ease of testing overfill device
- Ease of spill basin replacement
- Double walled spill/sump
 - Manual or electronic monitor



Stay Tuned!!

- Webpage:
<http://dnr.mo.gov/env/hwp/ustchanges.htm>
- Sign up for our e-mail service:
https://public.govdelivery.com/accounts/MODNR/subscriber/new?topic_id=MODNR_128



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- Questions, Comments or Concerns?

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