# Review of Potential Onsite Wastewater Disinfection Technologies December 15, 2012

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### **Executive Summary**

This research provides a review of the current disinfection technologies used in the onsite wastewater industry. The research also looks at potential technologies which may one day be used in the onsite wastewater industry.

Some conclusions of the research were:

- Currently, the most likely technologies to compete with chlorine in the onsite industry are ultraviolet and ozone:
- More research needs to be conducted on membrane disinfection technologies; and
- Of the newer, alternative technologies, electrochemical disinfection, ferrate disinfection and bromide show more promise with onsite wastewater systems.

### **Author's Recommendations**

None

Were rule changes identified?

None

#### Is further researched needed?

No further research was identified by TCEQ staff.