# Changes in On-site Wastewater Treatment and Evaluation: Influent Equalization

December, 2012

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## Executive Summary

This research project studied whether equalization of influent into wastewater treatment plants certified under ANSI/NSF Standard 40 improved the effluent quality. The research also studied whether influent equalization enabled the treatment units to properly treat flows in excess of the unit’s rated capacity.

The author concluded that:

* The influent equalization dosing scheme appeared to work very well with respect to TSS and BOD;
* The power outage and vacation stresses did not seem to adversely affect the results of the plants using influent equalization; and
* It appears that influent equalization may allow treatment systems loaded at daily flows exceeding their rated flow to perform as well or better than units receiving their rated flow in a Standard 40 dosing scheme.

## Author’s Recommendations

None

## Were rule changes identified?

None

## Is further researched needed?

No further research was identified by TCEQ staff.