

PSMA CONFERENCE 2023

Research and Demonstration Center for On-Lot Systems and Small Flow Technologies

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On-lot sewage research was conducted at Delaware Valley College (now University) from 1994 to 2005. The research was funded by the Pennsylvania Department of Environmental Protection. Phase I of the project (1994-1999) was charged with identifying six technologies that are used elsewhere in the USA, install three full scale installations, and monitor their treatment effectiveness for three years. A report on this phase of the research was issued in 2000. Phase II of the project (2000-2005) was a continuation of research on five of the technologies evaluated in Phase I with some system modifications along with four community systems (2000 gpd) using drip irrigation for beneficial use on turf, pasture, and crops. A report on this phase of the research was issued in 2005. This presentation will summarize the research findings of both phases including which of the technologies that showed encouraging results that could have been implemented in PA. The presentation will outline what has been implemented by the DEP for use in PA based on this research.

Copies of Phase I and Phase II reports can be downloaded from the PADEP web site:

<https://www.dep.pa.gov/Business/Water/CleanWater/WastewaterMgmt/Act537/OnlotDisposal/Pages/default.aspx>

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