

# Grey Water Recycling

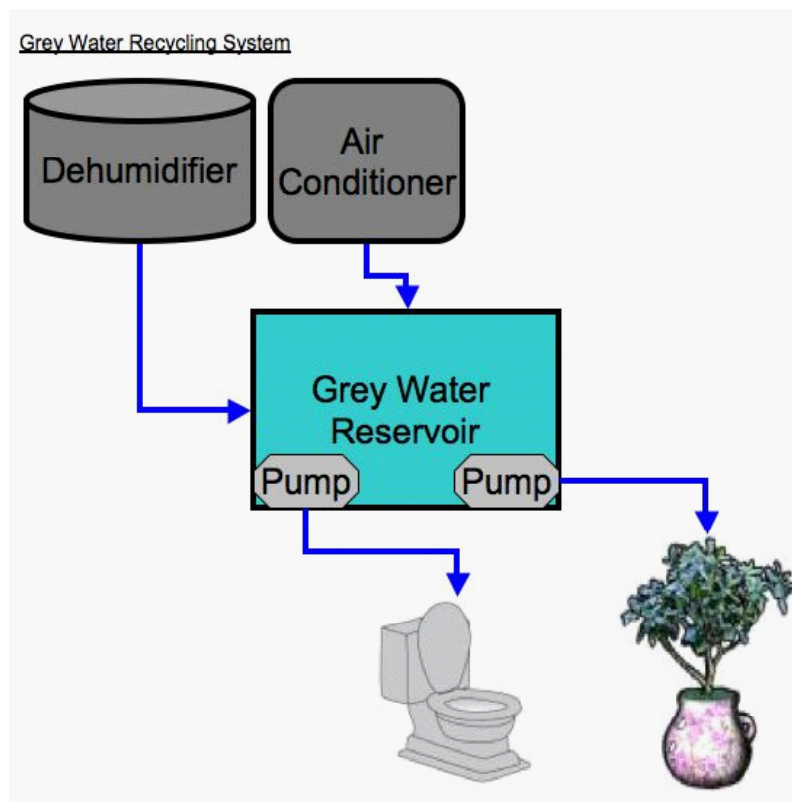
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## About This Project

The Grey Water Recycling System is a water conservation project that also automates watering houseplants. Previously wasted water from the dehumidifiers and air condenser units in the house is now redirected to a grey water reservoir in the attic.

Black water, which contains sewage, must be disposed of, while grey water can still serve useful purposes around the home. In this home, the grey water is used to automatically water houseplants and flush toilets.

A computer monitors the grey water reservoir and selected plants and toilets in the house. A soil moisture sensor at the plant triggers a pump as necessary to water the plant. Similarly, grey water is delivered to a toilet when it is flushed.



## Next Steps:

This project is still under development. Future plans include harnessing other sources of grey water, such as rainfall, and finding more alternative uses for the grey water around the home.