

### Focusing on Community Health – Alabama BBUWP

**Problem:** A significant percentage (approximately 70-80%) of rural households in Lowndes County and other counties within the Black Belt Region of Alabama currently lack functional wastewater systems or have systems that are failing.



This is primarily due to the challenges posed by high poverty levels and poor soil conditions.

As a result, many rural families have no choice but to resort to a hazardous practice called "straight piping" to dispose of their household wastewater. However, this practice poses serious risks as it exposes individuals to disease-causing pathogens present in raw sewage.

**Solution:** The Blackbelt Unincorporated Wastewater Program (BBUWP) is dedicated to promoting community health in the Black Belt Community. Its primary focus is on addressing the essential need for proper onsite wastewater disposal. Several companies including LIXIL, FujiClean USA, Kess Environmental, IWSH Foundation, Larry E. Speaks & Associates, University of South Alabama, and IAPMO have partnered with the BBUWP to help solve these issues.

On sites where a conventional system will not function, the FujiClean CE and CEN advanced treatment systems have been utilized with high success. After 18 months of consistent sampling, the FujiClean units have stable performance without seasonal environmental fluctuations. Performance for BOD and TSS has been <10mg/L and Total Nitrogen (TN) reduction of 75%.

**Result:** Utilizing the most economic and best solution on a site-by-site basis, over 100 homes have been upgraded to a state approved septic system with periodic maintenance.

For more information, visit BBUWP website at [BBUWP.org](http://BBUWP.org) or Kess Environmental Services at (334) 296-3275 or [info@kessenvironmental.com](mailto:info@kessenvironmental.com)

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