

**Evaluation
WJ Clark Concrete Tanks
In Lincoln County's Phase One
Green Wastewater Project**





Lincoln County Commission's Green Wastewater Project Phase One

- 2007. Installations Begin
- 2008. Commission Adopts Policy that ALL Concrete Tanks Must Have Advanced Inspections
- 2009. Commission Bans W.J. Clark Concrete Tanks from Project
- 2010 Forward. Only Polyethylene Tanks Allowed in Project



← 2007 WJ Clark Tanks Delivered to Watershed with Leaks



Tanks Leaking on Site at WJ Clark's Plant

W.J. Clark Tanks Installed Phase One

| <u>Family</u> | <u>Installer</u> | <u>Location</u> | <u>Completion Date</u> | <u>System</u> | <u>Leaking?</u> |
|--------------------------|------------------|-----------------|------------------------|-----------------------------------|-----------------|
| Garry White | Lyle Clark | Stinson | 2007-7 | LPP | Yes |
| Eric, Patty Woodrum | Tim Davis | Bulger | 2008-5 | Quanics / Direct | Yes |
| Dorothy Mary Adkins | W. J. Clark | Stinson | 2008-5 | Puraflo / Direct | Yes |
| Willie Clay, Jr (Obed) | Lyle Clark | Bulger | 2008-6 | Puraflo / Direct | Yes |
| Vicki Watkins | W. J. Clark | Dog Bone | 2008-9 | Puraflo / Direct | Yes |
| Diane Adkins | Lyle Clark | Wolf Branch | 2007-12 | Puraflo / Bottomless peat | Yes |
| Michelle Cooper | Lyle Clark | Wolf Branch | 2007-12 | Puraflo / Bottomless peat | Yes |
| Dannie Clark | Lyle Clark | Bark Camp | 2008-5 | Puraflo / Direct | Yes |
| Danny Collins Downstream | W. J. Clark | Bark Camp | 2008-8 | Puraflo / Direct | Yes |
| Danny Collins Upstream | W. J. Clark | Bark Camp | 2008-8 | Puraflo / Direct | Yes |
| Kenneth Collins | Lyle Clark | Left Fork | 2007-5 | Puraflo / Drip Puraflo / Stone | Yes |
| Franklin Terry | Lyle Clark | Flat Creek | 2009-7 | Bed | Yes |

Impact of Leaking Concrete Tanks

In Dry Weather:

Septic leaks out of tanks into water table, wells, creeks

In Wet Weather:

1. Ground water infiltrates tanks, preventing proper breakdown and decontamination of wastewater
2. Oversaturation of system compromises treatment ability and life expectancy of peat and other media



January 2011

Eric & Patty Woodrum's



January 2012

Obed & Lisa Clay's



January 2012

March 2009



Vicky Watkins

January 2012





January 2012



March 2009

Vicky Watkins

Michelle Cooper's



January 2012



Dannie Clark's



January 2012

Danny Collins



January 2012



Franklin Terry's

January 2012



Kenneth Collins

January 2012

Garry White



January 2012

12 Homes with WJ Clark Concrete Tanks

1 Home: Inground, Low Pressure Pipe *Leaking Tank*

6 Homes: Puraflo Peat (Anua), Direct Discharge *Leaking Tanks*

1 Home: Quanics Foam Cube, Direct Discharge *Leaking Tank*

3 Homes: Puraflo Peat (Anua), Inground Stone Bed *Leaking Tanks*

1 Home: Puraflo Peat (Anua), Inground, Drip *Leaking Tank*