

Two-Stage Ditch and Bioreactor Field Day

Throckmorton Purdue Agricultural Center
8343 South US 231, Lafayette, IN 47909-9049

Thursday, September 27, 2012

Presentations and Field Tour are scheduled twice: **7:30 am** and **12:30 pm**

Special presentation at **11 am** on **Two-Stage Ditch Planning** by Ohio State engineers

Work will proceed all day (7:30-am-4:30 pm). View the excavation and installation at any time.

Learn about innovative conservation drainage practices, and see them being installed.

A **Two-Stage Ditch** is constructed by adding benches that serve as floodplains, stabilizing the channel and removing nutrients. **During the field day**, benches approximately 10 feet wide will be added and erosion blankets will be installed.



A **Bioreactor** is a large subsurface trench filled with wood chips, that reduces nitrate in drainage water. The wood chips serve as a carbon source for bacteria that turn the nitrate into nitrogen gas. **During the field day**, the trench will be open, to see the wood chips and water control structures.



For more information contact:

- Nancy Schlatter, INLICA Executive Director, 219-204-1722
- Jay Young, TPAC Superintendent, 765-538-3422
- Jane Frankenberger, Extension Agricultural Engineer, 765-494-1194

Register at <http://engineering.purdue.edu/watersheds/event/twostage> to receive last-minute updates

Schedule

The site will be open from 7:30-4:30. Attendees can view work throughout the day.

7:30: Coffee and donuts available.

7:45: Presentations on the project goals, two-stage ditch and bioreactor designs, and water and aquatic monitoring before/after installation.

8:15: Tour the site

11:00: Special presentation on Two-Stage Ditch Planning and Design – Ohio State University engineers J. Witter & J. D'Ambrozio

12:30: Presentations (same as 7:45). *Bring your lunch if you wish (lunch not available on site.)*

1:00: Tour the site

This field day presented by:

- Purdue University and
- Indiana Land Improvement Contractors Association



with participation from

- USDA Natural Resources Conservation Service
- Wabash River Enhancement Corporation (WREC)
- Tippecanoe County Soil and Water Conservation District