



Click now
to begin
your journey



HeraldStaronline.com

Home News Sports Classifieds Community Contact us

Submit your news | Subscribe to print edition

200th
Herald Star
ANNIVERSARY
1806-2006

Tuesday, June 27, 2006 — Time: 11:40:20 AM EST

Search our 7-day
archive of stories:

A Harrison Ethanol primer

By **PAUL GIANNAMORE, Business editor**



CADIZ — Harrison Ethanol's facility has won recognition from the U.S. Department of Agriculture for its innovation.

Unlike other ethanol facilities which have perhaps two revenue streams, Harrison Ethanol can have as many as nine.

They are:

- Fuel grade ethanol.
- Carbon dioxide.
- Dried distillers grain for use as animal feeds.
- Milk from dairy cattle on site who are fed the grain.
- Beef from cattle fed the grain.

Waste from the refinery and the cattle is fed into an anaerobic digester, which creates boiler fuels and gas to fuel a power plant.

Harrison Ethanol's applications for its rail grants note that most ethanol plants rely on ethanol production for 80 percent of their revenues while Harrison will rely on ethanol sales for only about 37 percent of its revenues.

As managing member Wendell Dreve says, "We're trying to build a long-term project that will survive the ethanol bubble and be a supplier for the next 30 years."

It is the cattle end of the operation that made the plant competitive with ethanol facilities in states that provide direct ethanol incentives.

The company anticipates 383 construction jobs with nearly 170 total permanent jobs to come with the operation of the plant.

Local news

- Home page
- Business
- News
- Community News
- Local Columns
- Letters to the Editor
- Editorials
- Obituaries
- **Submit**

Sections

- 200th Anniversary
- Deals on Wheels

News

- OHIO
- National
- International

Sports

- Local sports
- Sports column
- National
- **Submit**

Lifestyles

- Bridal Guide
- Weddings
- Engagements
- Anniversaries
- **Submit**

Classifieds

- Local
- National
- **Submit**

Features

- Crossword
- RSS feeds

Communities

- [Community overview](#)

Contact us

- [Staff contacts](#)
- [How to subscribe](#)
- [Terms of Service](#)

Affiliated

- [The Times-Leader](#)
- [The Intelligencer](#)
- [The Weirton Daily Times](#)

Its rail application details that 107 permanent jobs will be at the Harrison County facility, with 74 of those in the \$10- to \$12-an-hour range, 25 jobs in the \$16- to \$17-an-hour range and eight jobs above \$20 an hour.

There will be 60 contract truck driver jobs created.

The estimated cash flow into Harrison County's economy as a result of the plant will be \$85 million.

To consume as much as half the distiller's grain, what is left behind after ethanol refining takes place, there will be as many as 10,000 head of beef and 2,000 dairy cattle housed in barns on the site. Remaining grain will be sold off site.

Waste from the cattle will be removed several times a day to feed into the digester.

The output of the digester will include clean water, methane and carbon dioxide, a liquid fertilizer including nitrogen, phosphorus and potassium, and a dry material similar to peat moss, according to Harrison Ethanol's documents on file with the Ohio Department of Agriculture.

All told, the dairy and beef facilities would produce up to 51.2 million gallons of manure annually.

Methane from the digester will be used to power a boiler to drive an electric generating turbine system.

The plant would be able to provide its own power needs as well as sell electricity off site.

[Click here](#) and get 13 weeks of **The Herald-Star** for \$33.15 plus get an additional 4 weeks for free.



[Print Article](#)



[Email this story to a friend](#)



[Respond to this story](#)

Tips, checklists, hints and links to current weddings and engagements



Herald-Star

401 Herald Square
Steubenville, Ohio 43952
740.283.4711 (local)

[HOME](#) | [NEWS](#) | [SPORTS](#) | [CLASSIFIEDS](#) | [COMMUNITIES](#) | [CONTACT US](#)

If you have any problems, questions, or comments regarding www.heraldstaronline.com, please contact the **Webmaster**. For all other comments, please see our **Contact** section to send feedback to The Herald-Star. Users of this site agree to our **Terms of Service**.

Copyright © 2006 - The Herald-Star