

**Enterprise Pipeline in Northern Muskingum County**

Another pipeline is set to make its way through Muskingum County in 2013 and 2014. It is a 20 inch pipeline designated to transport ethane from the Marcellus and Utica shale regions in Pennsylvania, West Virginia, and Ohio to the U.S. Gulf Coast. Construction should be beginning in Spring of 2013, but it is unclear when it will start in Muskingum County, solely in Jackson and Cass Townships.

The pipeline will be approximately 1,230 miles in length. Initial capacity will reach 125,000 barrels per day. Enterprise owns a natural gas liquids storage complex at Mont Belvieu, Texas and plans on shipping the ethane to this location. Ethane is a chemical compound, and in gas form is colorless, odorless, and flammable at standard temperature and pressure. It is isolated on an industrial scale from natural gas and as a byproduct of petroleum refining. The primary use of ethane is as a petrochemical feedstock for ethylene production. Ethylene can be described by the following information that is found online:

**Ethylene Gas and Your Grocery Bill: Organize Your Fridge!**

Most fruits and vegetables generate ethylene gas while they ripen. Why should you care? This gas is a very active plant hormone, and if you don't get organized, it can get busy with your vegetables and jack up your monthly grocery bill. Leafy vegetables are very sensitive to ethylene, even in very low quantities. Lettuce, for example, begins to decay when exposed to ethylene gas at low temperatures, i.e. even in your refrigerator! Products sensitive to ethylene gas, such as broccoli and bananas, will spoil quickly if stored in the same areas as avocados, melons, and apples, which are ethylene producers. So if you want to be smart; get segregating! Keep your veggies apart and make your food last longer.

**These Create Ethylene Gas:**

Apples, apricots, avocados, ripening bananas, blueberries, cantaloupe, citrus fruit (not grapefruit), cranberries, figs, guavas, grapes, green onions, honeydew, ripe kiwi fruit, mangoes, melons, mushrooms, nectarines, okra, papayas, passion fruit, peaches, pears, peppers, persimmons, pineapple, plantains, plums, prunes, quinces, tomatoes and watermelon.

**These Become Damaged by Ethylene Gas:**

Asparagus, broccoli, Brussels sprouts, cabbage, carrots, cauliflower, chard, cucumbers, cut flowers, eggplant, endive, escarole, florist greens, green beans, kale, kiwi fruit, leafy greens, lettuce, parsley, peas, peppers, potatoes, potted plants, romaine lettuce spinach, squash, sweet potatoes, watercress and yams.

In other words, Ethylene is used in an industrial manner to ripen fruits quicker, but can hurt the vegetables.

## News and Notes

- ⇒ Paid Holidays: Christmas Eve, Christmas Day and New Year's Eve, New Year's Day.
- ⇒ If you need a copy of the snow routes, please see Gary or Jeff.
- ⇒ Thank you for your participation in December's Safety Meeting. The presentation from the Mid-East Career Center went very well and was certainly a learning experience for all.

### **Government News from Around the Country**

Washington State—The state has officially instituted voter registration via Facebook. This process was developed by a partnership between Microsoft and Facebook to help increase voter participation. Since Washington laws require identification users will have to input their driver's license or state ID card number to complete the process.

Kansas—The state is wanting to boost the number of qualified applicants for in-demand skilled labor jobs. For jobs in plumbing, mechanics and construction, amongst others, the state of Kansas is offering to pay school districts \$1,000 for each student who graduates with an industry-recognized credential in high-need jobs.

Michigan—Fighting obesity with a 4x4 approach is currently underway in the state. The program looks to cut more than \$3 billion that it costs the state annually in obesity related health care (a cost that is expected to rise to \$12.5 billion by 2018). The Michigan Health and Wellness 4x4 Plan encourages people to abide by four behaviors: eat a nutritious diet, get regular exercise, have a yearly physical, and avoid all tobacco. The other four part is monitor the body mass index, blood pressure, blood sugar, and cholesterol. An online dashboard and media blitz is helping relay the word. It is an effort to get people excited about their personal health well-being.

Georgia—In an effort to save time and money, the Georgia Department of Transportation has teams with the Georgia Tech Research Institute to develop a robot that automatically detects and then seals cracks in the road. When complete, the prototype will only require one operator, which improves worker safety on the roads. The current accuracy of the robot is at 83 percent.

### **Happy Birthday to...**

Cody Daniel	12-13
Mike Dingey	12-26
Marty Haddox	12-28
Chris Kelly	12-04
Chad Pollock	12-27
Denis Swierz	12-19

### **Happy Anniversary to...**

Matt Russell	23 years
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