

**OHIO ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF DRINKING AND GROUND WATERS  
UNDERGROUND INJECTION CONTROL  
FACT SHEET**

*(Revised 3/02/09)*

Facility Name: Ineos USA, LLC.

Facility Location: 1900 Fort Amanda Road  
Lima, Ohio 45802

Ohio UIC Permit Numbers: UIC 03-02-003-PTO-I (Well No.1)  
UIC 03-02-004-PTO-I (Well No.2)  
UIC 03-02-005-PTO-I (Well No.3)  
UIC 03-02-006-PTO-I (Well No.4)

Permits to Operate

Ineos USA, LLC., formerly BP Chemicals, Inc., Lima, Ohio currently operates four (4) Class I hazardous underground injection wells (Wells No.1, No.2, No.3 and No.4). Ohio EPA issued permits to operate (PTOs) for Innovene's four operating wells on December 9, 2005 for a 5 year term which expire on December 12, 2010.

Underground Injection

Deep well injection activities were initiated at this site in 1968. These wells are used to dispose of wastewater generated on site primarily from the manufacture of acrylonitrile and associated products. Acrylonitrile is used in the production of many plastic products. The waste stream is primarily comprised of water and includes four (4) percent salts and approximately one (1) percent organics. The industrial and hazardous wastes disposed include waste fluids produced during the manufacture of acrylonitrile, acetonitrile, hydrogen cyanide, sulfates, and ammonia compounds. A number of these compounds in the waste stream are identified by Ohio regulations as hazardous wastes. Also, waste water from one process unit can be corrosive (pH<2).

The waste stream is injected into the Mount Simon Sandstone and the lower Eau Claire Formation at approximately 2,800 to 3,200 feet below ground level. The injection zone is separated from the lowermost underground source of drinking water by approximately 2,400 feet of shale, limestone, dolomite, siltstone, and sandstone.

During 2008, the Ineos injection wells average injected volume per well was 52.29 million gallons for a total 2008 volume of 209.16 million gallons. As of December 31, 2008, the cumulative injection volume totaled 1.88 billion gallons for Well No. 1, 2.90 billion gallons for Well No. 2, 2.18 billion gallons for Well No. 3, and 934 million gallons for Well No. 4. Other specific data pertaining to the Innovene wells are listed in Table 1.