

Comments welcome

You may comment on the draft permit for Leelanau Fruit Company until the public comment period closes on **Tuesday, October 13, 2015**. Submit comments in writing to:

William Tong

U.S. Environmental Protection
Agency (WU-16J)
77 W. Jackson Blvd.
Chicago, IL 60604-3590
tong.william@epa.gov

Please refer to EPA Draft Permit #MI-165-1I-0001, Fee No. 1 well. If you want a written response, include a return mail or email address.

See complete documents

The entire text of EPA's draft permit is available at:

www.epa.gov/region5/water/uic/

You may also see the permit at:

**Wexford County
Administrators Office
437 East Division
Cadillac, Michigan**

The complete administrative record for this decision is also available at EPA's Chicago office. To arrange an appointment, call William Tong at 312-866-9380. For more information, call toll-free: 800-621-8431, weekdays from 9a.m. to 4p.m.

Right to Appeal

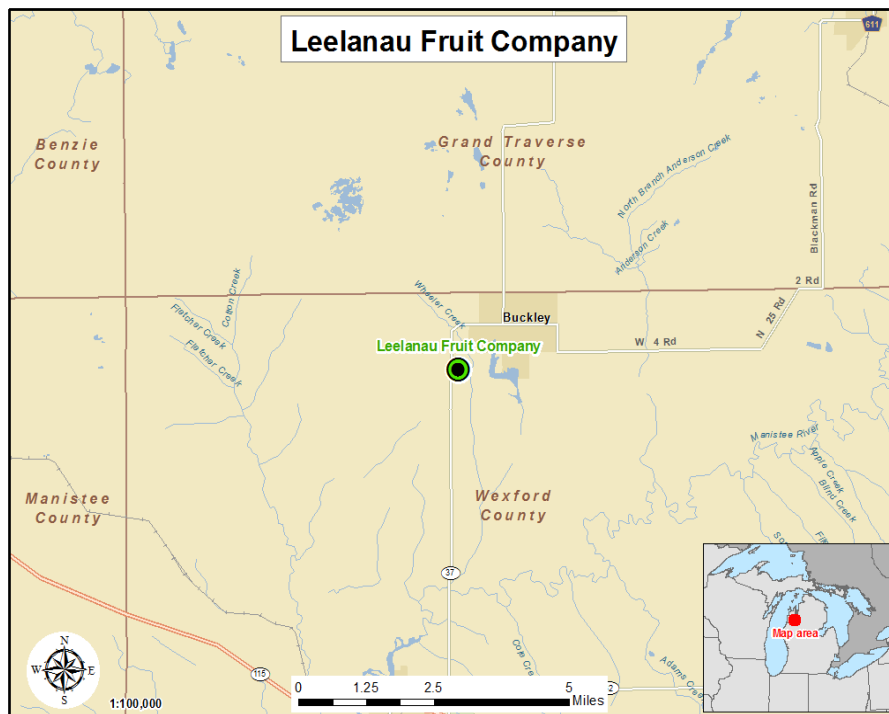
To preserve your right to appeal any final permit decision, you must either send EPA written comments or participate in a public hearing. A public hearing is not planned at this time. The first appeal must be made to the Environmental Appeals Board. The final decision can be appealed in federal court only after all agency review procedures have been exhausted.

EPA Seeks Comments on Draft Underground Injection Permit

Leelanau Fruit Company

Wexford County, Michigan

September 2015



The above map shows the location of the existing Fee No. 1 well in Wexford County

The U. S. Environmental Protection Agency (EPA) plans to approve a request from Leelanau Fruit Company of Suttons Bay for re-issuance of a permit to operate an existing well known as Fee No. 1 for the disposal of non-hazardous liquid waste. The well is known as a Class I underground injection well.

Federal regulations require Class I wells to inject waste into an area below the deepest underground source of drinking water. All Class I wells must be cased and cemented to prevent the movement of fluids into or between underground sources of drinking water.

Site geology

The injection zone for the existing well is the Traverse Limestone, Bell Shale, and Dundee Limestone, from 2,035 feet to 2,921 feet below the surface. The immediate overlying confining zone is the Coldwater, Sunbury and Antrim Formations, which are composed of shale. There are adequate confining layers between the injection zone and the deepest source of drinking water.

An underground source of drinking water is an aquifer or part of an aquifer that contains water with less than 10,000 milligrams per liter of total dissolved solids. In Wexford County, the base of the deepest USDW is 708 feet below the surface – the Glacial Drift.

Technical Background

Facility Background: The Class I non-hazardous waste injection well is used for the disposal of food processing and storage waste, including cherry juice brine. The construction of the injection well meets the regulatory criteria of 40 C.F.R. § 146.12.

Area of Review (AOR): The AOR is a circle of 2-mile radius from the injection well. In that area, there are 6 producing wells, 1 injection well, and 37 plugged and abandoned wells that penetrate the confining zone in the AOR; these wells are adequately constructed to protect underground sources of drinking water.

Maximum Injection Pressure: EPA sets a limit on injection pressure to prevent injection-formation fracturing. The maximum allowable injection pressure was calculated by EPA by factoring the depth of the injection zone, the highest specific gravity of the injected fluid, and the fracture gradient of the rock formation. The proposed permitted maximum injection pressure shall be limited to 534 pounds per square inch gauge (psig).

Financial Assurance: Leelanau Fruit Company has demonstrated adequate financial resources to plug and abandon its injection well through a Michigan state bond. A state bond, in the amount of \$33,000, has been established for this purpose with Northwestern Bank.

Intent to Issue Permits: Review of the permit application indicates no significant environmental impact should result from issuing this permit. In accordance with provisions of the Safe Drinking Water Act and attendant regulations incorporated by the EPA under Title 40 of the Code of Federal Regulations at Parts 124, 144, 146, and 147, EPA intends to issue a permit for this well.

Public Comments: The dates of the public comment period for the draft permit will be published in the Traverse City Record Eagle and the Cadillac News. Comments and requests for a public hearing must be submitted to Mr. Tong in writing. EPA will hold a hearing if it determines that there is significant public interest in the draft permit based on written requests. If a public hearing is scheduled, a notice of the hearing will be published at least 30 days in advance.

Part C of the SDWA specifically mandates regulation of the underground injection of fluids through wells to assure that the quality of the underground sources of drinking water is protected. Section 1421 of the SDWA requires the EPA to administer underground injection control (UIC) programs in the states which do not have approved UIC programs. Michigan has not acquired primacy over the UIC program for Class I injection wells, therefore EPA is administering the permit program pursuant to regulations at 40 C.F.R. Part 147.