ABOUT Ottawa County Farms Landfill

✓ 800 acres

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- ✓ Proud community partner
- ✓ Landfill gas and sustainability
- ✓ State of the art leachate treatment
- ✓ Extensive groundwater monitoring

Community Impact

12 full time employees

39 years in local community \$450K

in host and good neighbor agreements

COMMUNITY PARTNERSHIPS WITH THE FOLLOWING ORGANIZATIONS

Polkton Township's Clean-Up DayOttawa County Department of Public HealthCoopersville School AthleticsDepartment Resource Recovery CentersCoopersville Summer Reading ProgramThe West Michigan Sustainable
Business ForumGirls on the RunThe Coopersville Area Chamber of Commerce
The Rotary Club of Coopersville

Ottawa Deepwell

4,270 Feet of thick, impermeable geologic formations, permanently securing

81

landfill liquids

Acres of natural subsurface formation where landfill liquids could be safely injected

800+

Deepwells now operating nationwide

1+ Mile

Injection interval sits far beneath any potentially viable aquifer or drinking source

22

Deepwells already operating statewide today

12 Daily semi-truck trips to be eliminated, helping

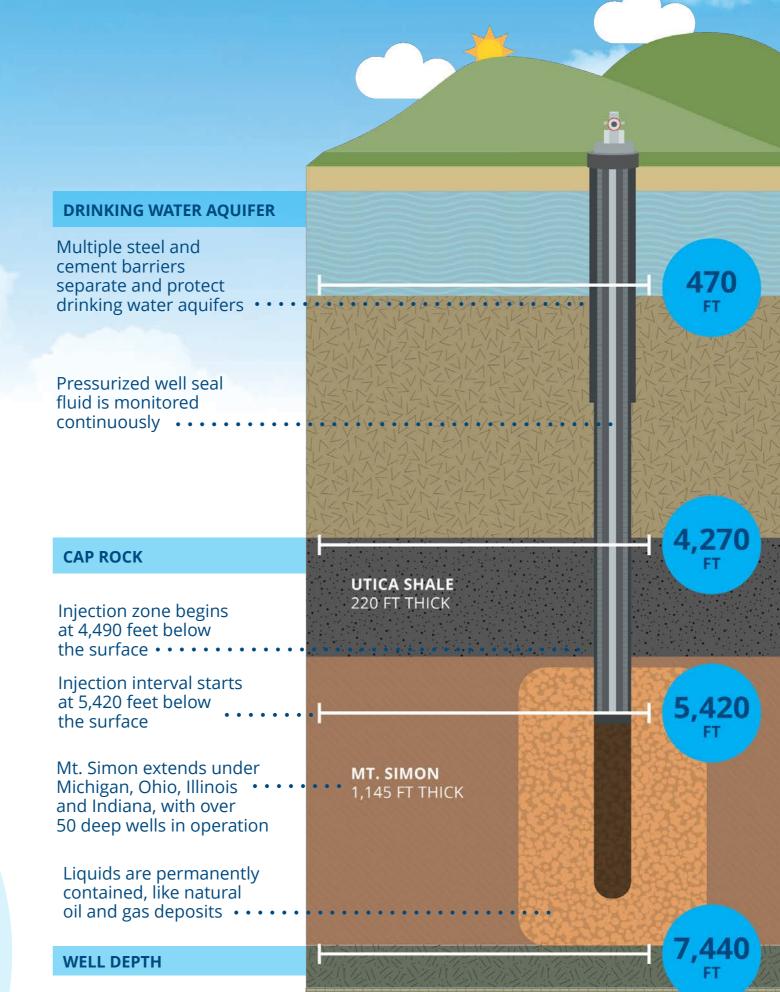
reduce carbon emissions

What is an Industrial Well?

Class I wells allow for the injection of leachate far below the lowermost groundwater drinking zone.



Layered concrete and steel barriers



Project Overview

Responsible operation of two regulated Class I industrial waste wells to safely dispose of onsite landfill liquids.

US EPA & State Regulations

- Siting
- Construction
- Operation, monitoring, inspection and testing
- Record keeping and reporting
- Closure

Proven Technology

Deepwell injection wells are a safe and environmentally responsible technology.

- ✓ Designed with multiple casings to prevent leakage
- Continuous monitoring with advanced technology
- ✓ Approximately 800 permitted, active
 Class I injection wells in the U.S.
- ✓ 22 permitted Class I wells in Michigan
- ✓ Republic operates 14 active injection wells



Environmental Safeguards

Several safeguards are in place to protect the environment, including:

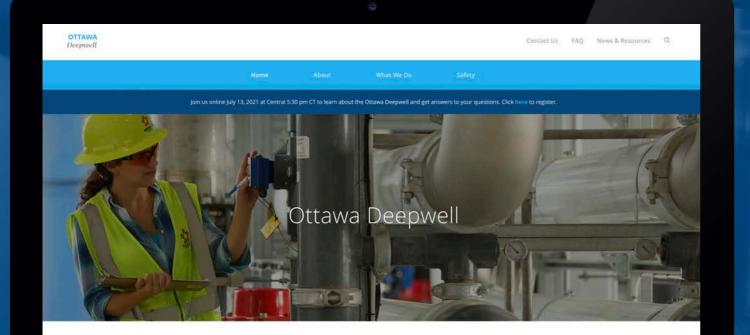
- Pressurized seals to continuously monitor fluids
- ✓ Regularly scheduled mechanical integrity testing
- ✓ Regular inspections by U.S. EPA



Groundwater Safeguards

- ✓ Siting and construction
- ✓ No impact on groundwater
- ✓ Leveraging best-in-class engineering and technology
- ✓ Liquids will be injected deep more than half a mile below the nearest possible drinking water source
- ✓ U.S. EPA has said that Class I deepwells offer
 "a particularly strong level of public health protection."
- ✓ Continued landfill groundwater monitoring





We will follow U.S. EPA guidelines, ensuring safe and responsible operations.

Public Vebsite

OttawaDeepwell.com

36K Employees		55 M Average. pickups per da	Y	16К трискя Difference of the largest fleets in the U.S.	
20% of fleet powered by natural gas	340 HAULING FACILITIES	75 Landfill gas & Renewable energy projects	79 RECYCLING CENTERS	189 Active, modern-day Landfills	
41 STATES	14 INJECTION WELLS	212 TRANSFER STATIONS	99%+ Service Reliability rate	75% Republic drivers have won 75% of the industry's driver of the year awards since 2009	
	2,400+ MUNICIPAL CUSTOMERS	130 closed landfills managed	1 St IN INDUSTRY TO SET A SCIENCE-BASED, GREENHOUSE GAS EMISSIONS TARGET	39% BETTER SAFETY PERFORMANCE THAN THE INDUSTRY AVERAGE Based on OSHA recordable rates	

AWARDS AND RECOGNITION





Sustainability Yearbook Member 2021

S&P Global



BARRON'S

Most Sustainable Companies 2021



In collaboration with





WHAT THE EXPERTS ARE SAYING

SAFETY

EPA and other scientific experts have concluded that these liquid wastes are "removed from the environment" — isolated from the biosphere thousands of feet below the earth's surface, where they will remain confined for millions of years." ^a

GROUNDWATER PROTECTIONS

Because these wells inject waste below the deepest USDW, there is little chance of any negative effects on potentially usable groundwater." ^b

EPA has taken a strong protective stand to assure that USDWs are not endangered in the short-term ... or the long term ..." d

BENEFITS

EPA declared that underground injection "reduces human exposure to organic and inorganic chemicals and heavy metals by removing them from the environment." ^a

MINIMIZING RISK

...a typical Class I non-hazardous well affords the public and the environment an extremely low level of risk" ^c

APPENDIX

^a Removed from the Environment,
Robert F. Van Voorhees, The
Environmental Law Institute,
https://bit.ly/36CC2Dk

^b Injection Wells: An Introduction to Their Use, Operation & Regulation, Groundwater Protection Council, https://bit.ly/2UuB6vc

^c Class I Underground Injection
 Control Program: Study of the Risks
 Associated with Class I
 Underground Injection Wells, U.S.
 EPA, https://bit.ly/32MHPVB

^d Class I Deepwell Injection
Technology: A safe and proven
liquid waste management option,
Petrotek Engineering Corporation,
https://bit.ly/35zn4P4