

Westford Community Wastewater Project

WARREN/WAITSFIELD COMMUNITY SYSTEM TOUR NOV 20 2021, 9:30 AM - NOON

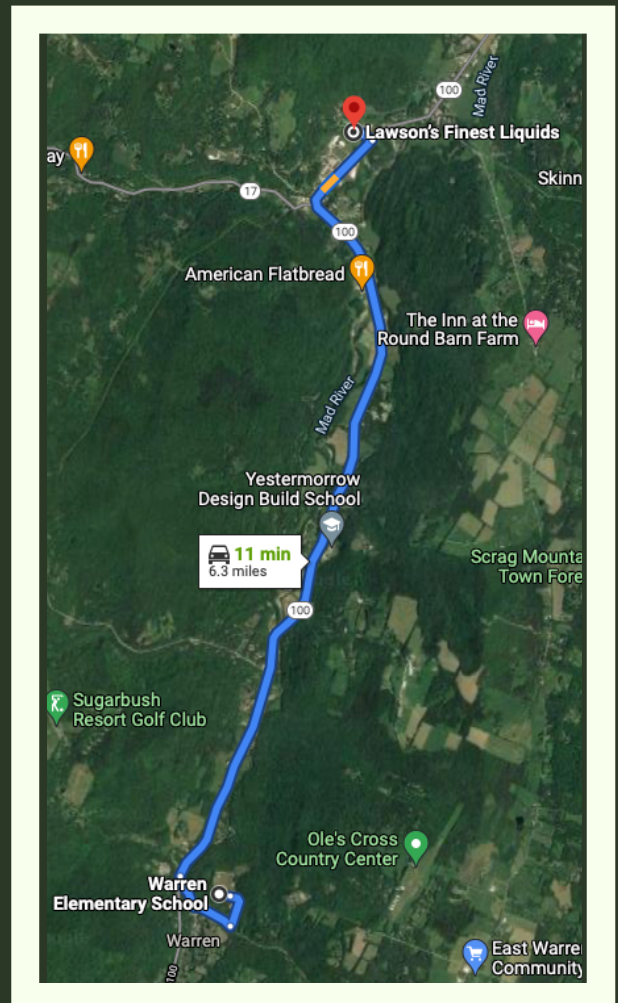
Visit and learn about community wastewater systems operating in Central Vermont

The community is invited to tour the community wastewater systems serving Warren Village, Irasville, and Waitsfield Village in the Mad River Valley. The tour will be held Saturday, November 20th. Please RSVP to planner@westfordvt.us. You can join at any point on the schedule:

9:30 AM - Warren - Warren Elementary School Parking Lot
Warren community and Warren Elementary School wastewater systems

11:00 AM - Irasville/Waitsfield - Lawson's Finest Liquids Parking Lot
Irasville Business Park and Winter Park (Lawson's/Big Picture Theater) wastewater systems

12:00 PM Tour concludes; wastewater committee will be eating lunch at Lawson's and participants are welcome to join.



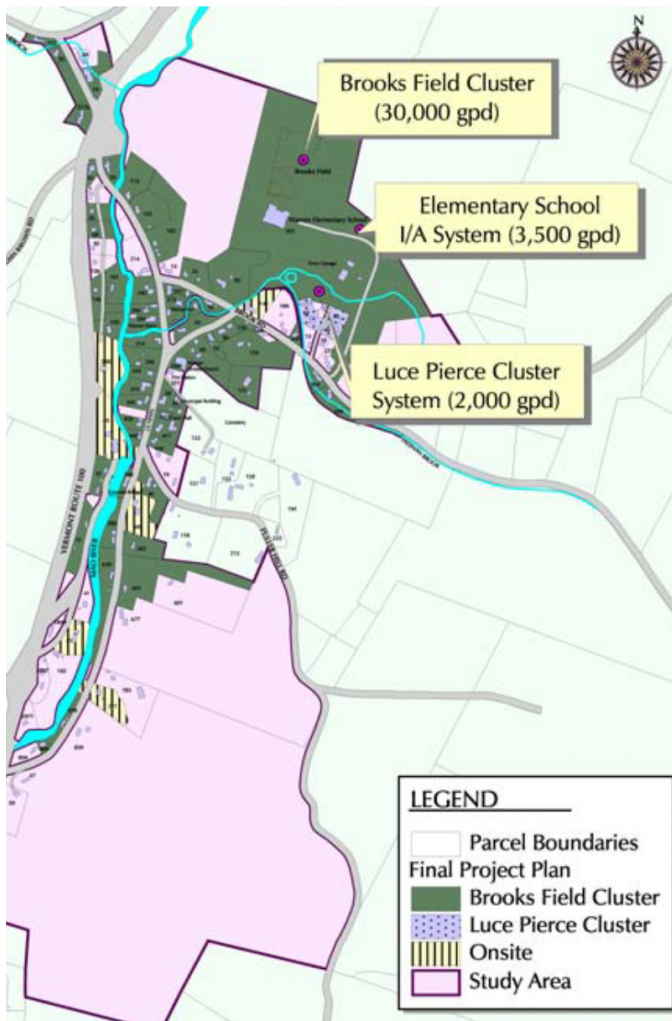


Westford Community Wastewater Project

WARREN VILLAGE CLUSTER SYSTEMS

9:30 AM -10:45 AM

Meet in the parking lot of the Warren Elementary
School, 293 School Road, Warren



The Warren Elementary School, Warren's town buildings, the Pitcher Inn, and roughly 90 other properties in historic Warren Village are served by a combination of three cluster systems and six upgraded on-site systems constructed in phases between 1998 and 2004. The Town-owned Brooks Field system has 30,000 gpd of capacity dispersed at the Town's recreation field. Connection was voluntary; some property owners chose to replace systems on-site rather than connect. The Elementary School system, the first advanced pre-treatment system permitted in Vermont, was built under emergency conditions in January 2001, after the school's existing system failed.

System construction: Phased, 1998 - 2004

Total project cost: \$4.3 million/37,000 gpd capacity/ 140 ERUs

Town taxpayers approved \$830,000 bond to support Village system in 2002

Voluntary connection policy

Managed by Simon Operating Services

Orenco Advantex(R) pre-treatment system for Warren Elementary School

Orenco Systems



Below: The floods of June 1998 heavily damaged many residences in Warren Village and along the Mad River. In some cases septic systems were damaged or completely washed away by the flood, galvanizing attention on the problems facing the Village.

Right: The pump station in Warren Village bringing wastewater to the dispersal pump at Brooks Field.



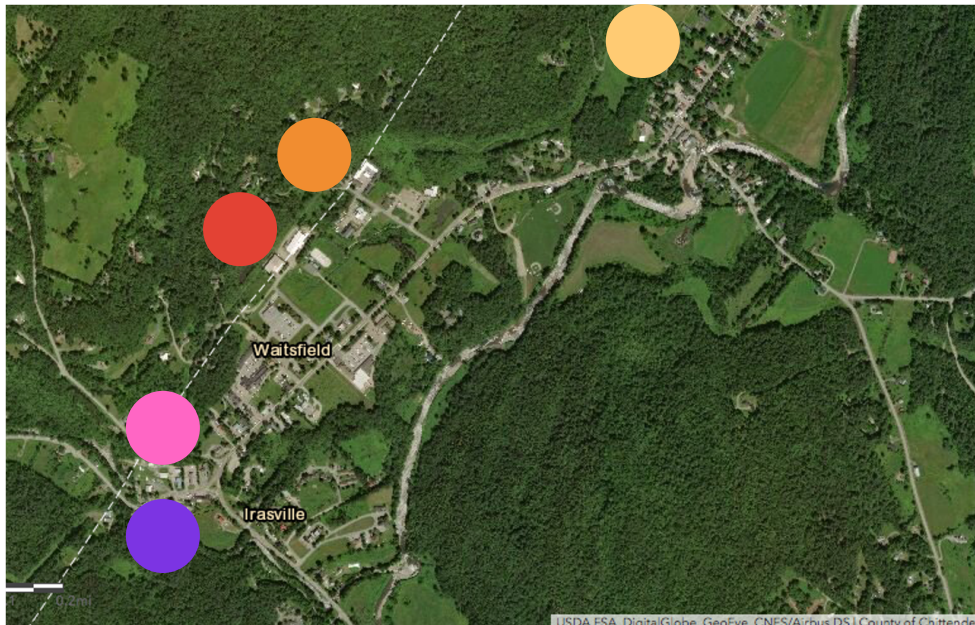


Westford Community Wastewater Project

WAITSFIELD / IRASVILLE SYSTEMS

11:00 AM - 12:00 PM

Meet in the parking lot of Lawson's Finest Liquids,
155 Carroll Road, Waitsfield



-  Town Office
-  Winter Park/
Lawsons
-  Irasville Business
Park
-  Lin/ China Fun
Restaurant
-  LocalFolk
Smokehouse

The Town of Waitsfield used a combination of Clean Water State Revolving Fund loans, federal grants, and Town funds to create a Community Wastewater Revolving Loan Fund (CWRLF) providing a voluntary option for owners seeking to repair, upgrade, or expand on-site wastewater systems. Five systems were constructed including a new on-site system for the new Town Office building in the Village. The four privately-owned systems included pre-treatment or new tanks to serve food-related uses with high-strength waste. The Town approved a 25% grant to each of the four privately-owned systems; loans for the remaining 75% are paid to the Town over 20 years at 2.5% interest. One loan has been paid in full and the others are in repayment.

System construction: Phased, 2015-2017

Total project cost: \$1.018 million/5 systems; 15,000 gpd total, 9,110 gpd new
Town taxpayers approved \$750,000 in bond support (2014, 2015)

Voluntary participation policy

Managed by Simon Operating Services

Bioclere(R) pre-treatment in Irasville Business Park & Winter Park (Lawsons)

Today: Five decentralized systems operating; addressing serious, unmet needs in commercial core:

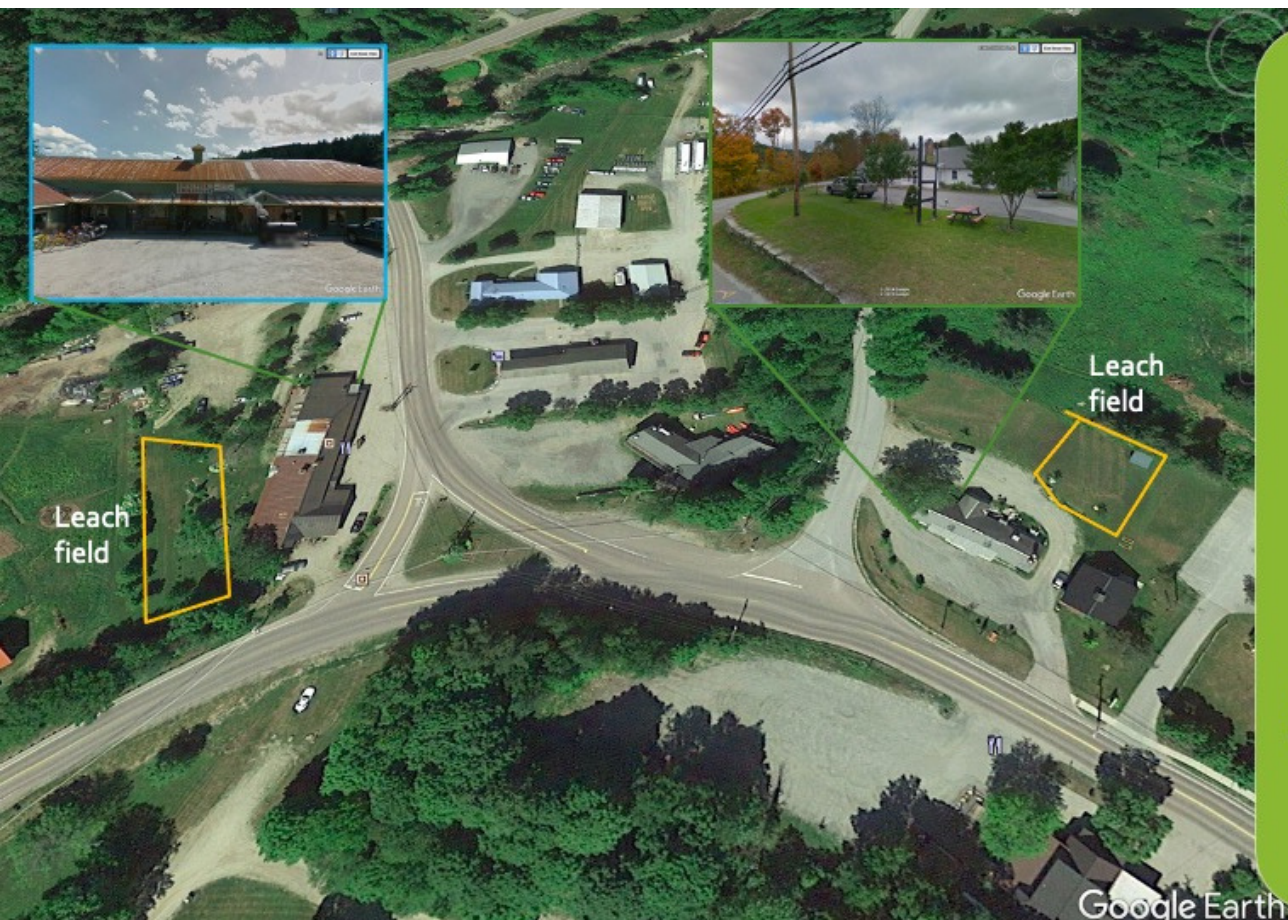
3 serving food-related uses, with pre-treatment (AquaPoint Bioclere)

2 conventional systems without pre-treatment (office, retail)

System	Work Completed	Old Flow	New Flow	COST & MONTHLY PAYMENT
Winter Park ★	Bioclere system; two new leach fields; pump station; renovated collection system; coordinated with pre-treatment for Lawson's Finest Liquids brewing/distilling	2,500	9,000	\$521,256 \$2,181/month – 5 users
Lin Property ★	Expanded dispersal field & new tank	650	1,640	\$49,171 \$225/month
Localfolk Smoke House ★	Add pre-treatment units and renovate dispersal field	3,450	3,450	\$46,698 \$210/month
Irasville Business Park ★	Add pre-treatment (Bioclere), renovate dispersal fields, renovate force main (for Food Hub)	480	1,500	\$146,079 \$657/month
Town Offices ★	New conventional gravity system for new town office building	n/a	600	\$15,000 n/a

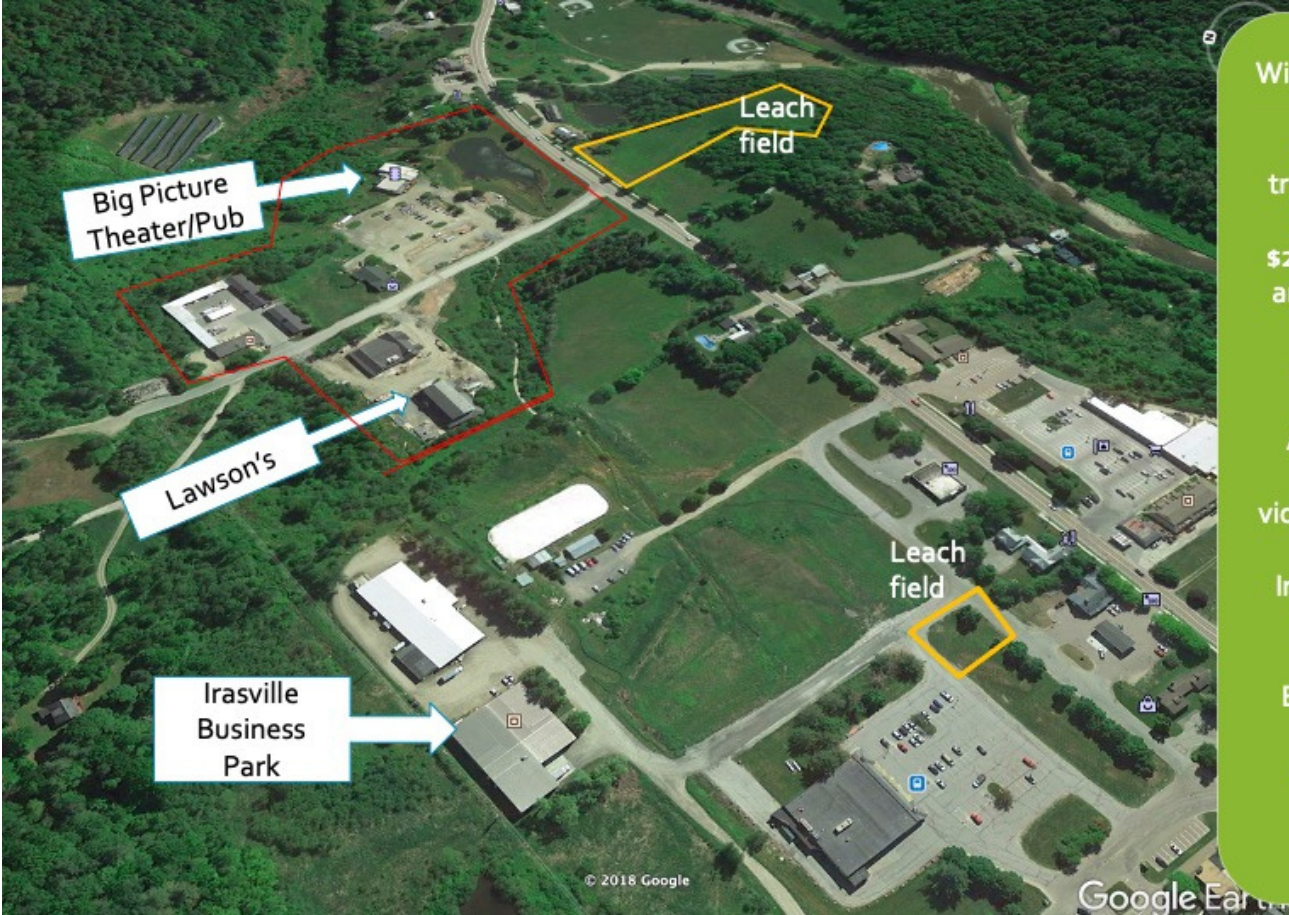
TOTAL INCREASED FLOW: 9,110 gpd/29%

TOTAL COST: \$778,204 or \$48/gallon



China Fun Restaurant (right)
1,640 gpd (expanded from 690) – supports restaurant + apartment or retail
Expand leach field, new larger tank
\$49,000 total cost
\$225/month

LocalFolk Smokehouse (left)
3,450 gpd (no expansion)
Renovate leach field & add pre-treatment
\$47,000 total cost
\$210/month



Winter Park system (top)
 9,000 gpd
 Bioclere® plus pre-treatment @ Lawson's
 \$522,000 total cost
 \$2181/month pro-rated among users based on design flow
 Wastewater-Only Condominium Association governs flows, allocation, violations, non-payment

Irasville Business Park system (bottom):
 1,500 gpd
 Bioclere® treatment system
 \$146,000 total cost
 \$657/month loan payment

Left: The leach field serving Winter Park had failed in 2013, threatening the viability of important local businesses. Surfacing effluent can be seen below.



Right: The control building for the new Winter Park system, which features pre-treatment through a BioClere system with discharge to a renovated leach field across Route 100.





Westford Community Wastewater Project

PROJECT INFORMATION AND CONTACTS

Wastewater Project Committee members:

Pat Haller
Heather Armata
Eric Ford
Gordon Gebauer
Seth Jensen

Consultant: J.B. Hinds, Birchline Planning LLC
www.WestfordsFuture.com



Planning Commission members:

Koi Boynton (Vice-Chair)
George Lamphere (Chair)
Gordon Gebauer
Seth Jensen
Mark Letorney

Contact: planningcommission@westfordvt.us

In the summer and fall of 2021, the Town's staff, Planning

Commission, and project engineering team will be reaching out to the community and potential system users, and working to build the best financial package possible for the Town. Impacts and opportunities for individual properties in the prospective service area will be addressed through this effort.

Your input is important in shaping the policies and funding approach that ultimately is proposed to the voters.

Please see the project website or contact the Town Planner, Melissa Manka, for more information
planner@westfordvt.us