Welcome!

Today’s Workshop is The Dirt on Biosolids & Yellow Grease
Why are you here?

- Required by law and NH Solid Waste Rules.
- Build your resume
Why this Workshop?

Biosolids & Yellow Grease

- Tie together the concepts you learned in Basic Training including waste diversion.
- Manage these wastes without disposing of it into a landfill.
- Determining what is best for your customers & residents.
Today’s Agenda

- Definitions: What the heck are we talking about?
- Secret Life of Septage
- What’s Flushable?
- Grease to Gold: How to make energy from a problem.
Wastewater Facility
Wastewater Facility

Separate Sewer System

1. Sanitary sewer

2. Wastewater treatment plant

3. Treated wastewater

River
Solids
Sludge
Clean Water
Sludge vs. Biosolids

- Not treated
- No Testing
- NO Beneficial Reuse

- Treated for Pathogens
- Tested and Certified
- Beneficial Reuse
<table>
<thead>
<tr>
<th><strong>FATS</strong></th>
<th><strong>OILS</strong></th>
<th><strong>GREASE</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Solid at room temperature</td>
<td>Liquid at room temperature</td>
<td>Turns to liquid during cooking, but solidifies when cooled</td>
</tr>
<tr>
<td>Butter, shortening, margarine</td>
<td>Vegetable oil</td>
<td>Gravy</td>
</tr>
<tr>
<td>Peanut butter</td>
<td>Canola oil</td>
<td>Mayonnaise</td>
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<tr>
<td>Meat trimmings</td>
<td>Olive oil</td>
<td>Melted meat fat</td>
</tr>
<tr>
<td>Uncooked poultry skin</td>
<td>Corn oil</td>
<td>Bacon and sausage</td>
</tr>
<tr>
<td>Dairy: Cheeses, milk, cream, sour cream, ice cream</td>
<td>Salad dressings</td>
<td>Boiled poultry skin</td>
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<tr>
<td>Cooking oils</td>
<td>Salad dressing</td>
<td>Salad dressing</td>
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</tbody>
</table>
Basic Types of Waste Grease

Brown Grease

Yellow Grease
Brown Grease
Food grade (French fry) grease, no wastewater or waste contact, good for fuel
Regulated as Solid Waste
THE SECRET LIFE OF SEPTAGE

Ray Gordon
Administrator
Residual Management

NEW HAMPSHIRE
DEPARTMENT OF
Environmental Services
THE SECRET LIFE OF SEPTAGE

Ray Gordon
Administrator
Residual Management
History

- Chinese
- Romans
- Medieval Times
- Modern History
- Need for Regulation
- Septage & Sludge Management
4,000 Years
Discovered human "waste" was a good fertilizer
Golden Fertilizer (Night soil) Barge

1989
$31,000 gold

CITY OF SHANGHAI

Privilege of collecting 78,000 tons
ROMANS
A reconstruction of a typical private toilet at Herculaneum and Pompeii. It was flushed out with waste water from the kitchen.

A sponge stick, the ancient equivalent of toilet paper, well known from literary sources.
URINE WAS USED IN ANCIENT ROME TO WASH CLOTHES
....for tanning leather...
Used it to cure meat as early as 160 BCE...and in the making of “saltpetre”!
ANCIENT ROMANS IMPORTED PORTUGUESE URINE TO USE AS A MOUTHWASH. URINE WAS USED WELL INTO THE 18TH CENTURY TO FIGHT BAD BREATH.

I KNOW IT’S PEE BUT IT HAS TO SMELL BETTER THAN YOUR BREATH.
MEDIEVAL TIMES
- Bubonic Plague 75%
- Pneumonic Plague 90%
- Septicemic Plague 99%

Wiped out 50% of a City’s Population
NIGHT MEN

Four am to haul off
Night Soil
ON SALE,

ABOUT THREE THOUSAND TONS OF NIGHT SOIL and STREET SWEEPINGS, at a very reasonable rate.

Apply to Mr. HENRY ASHCROFT, No. 2, Pottery Hill, Preston.

N.B.—This valuable manure is now lying on the Canal Wharf, Preston, whence it can be conveniently shipped to Lancaster, Kendal, and all intermediate places on the Lancaster Canal.
“it is a very powerful manure... It speedily dries, is easily pulverized”
1860 France

FIRST SEPTIC TANK

With the assistance of Abbé Moigno the creator John Mouras obtained a pattern in 1881.
1874
The privy is a detestable and dangerous necessity.

- It is so near the well as to pollute that,
- So near the kitchen as to lend odor to that,
- And so near enough to the parlor to remind us of what is unpleasant
NEED FOR REGULATION

This picture shows how privy vaults and wells sometimes connect underground, and the funeral procession makes plain the outcome.
Boston Board of Health

- Empty Privy when... within 18 inches of the surface.
- License every Inhabitant intending to open or clean Privy
- Dedicated Carts
Warrington’s ‘night soil men’ on their rounds emptying the ‘toilet tubs’ 1950’s
combined thickness of the sludge and surface scum equal 1/3 or more of the tank depth.
SEPTIC TANKS PUMPED
SWIMMING POOLS FILLED
NOT SAME TRUCK
439-1250
SEPTAGE GENERATION IN NH

Over 100 Million Gallons
Septage Disposal

- In-State WWTF 66%
- Out-of-State WWTF 21%
- Alternative Facilities 2%
- Land Application 8%
- Lagoons 3%

Wastewater Facilities treat about 87% of the septage
LAGOONS

3%
WASTEWATER TREATMENT FACILITIES

87%

Out of 106 WWTF
42% Take Septage
Solids

Clean Water
54 WASTEWATER TREATMENT FACILITIES GENERATE SLUDGE
LICENSED SLUDGE HAULER
2012

- Landfill, 29%
- Class A, 24%
- Class B, 16%
- Incineration, 28%
- Out-of-state, 3%

NH SLUDGE & BIOSOLIDS DISPOSAL PRACTICES:
81,672 wet tons
6 Landfills Most with Restrictions

29%
28%

One Incinerator Manchester WWTF
3% Out-Of-State
SLUDGE VS. BIOSOLIDS

- Not treated
- No Testing
- NO Beneficial reuse

- Treated for Pathogens
- Tested and Certified
- Beneficial reuse
PRETREATMENT

- Prohibitions
- Standards
- Local limits
SLUDGE QUALITY CERTIFICATION

- 158 Analytes
  - Metals
  - VOC’s
  - SVOC’s
  - PCB’s,
  - Nutrients
  - Dioxins
NUTRIENT MANAGEMENT

  - Including Phosphorous
  - Nitrogen
Corn and Hay
NH Department of Environmental Services
Wastewater Engineering Bureau - Residuals Management Section
29 Hazen Drive, Concord, NH 03301

NHDES:  http://des.nh.gov/index.htm


Ray Gordon
Administrator RMS
(603) 271-3571
E-mail: ray.gordon@des.nh.gov
What is Flushable?

By Ray Gordon, NH DES
Agenda

• What is Flushable?
• Impact on Septic Systems and Wastewater Facilities
• Flushable vs. Dispersible?
• INDA - Association of the Nonwoven Fabrics Industry
• “Good” “Bad” and “Ugly”
• Solutions
What is Flushable?
Sanitation is Important

- 222 Million Toilets in the US
- Salmonella bacteria can survive up to 4 weeks in a toilet even with cleaning fluids
- 737 E. coli bacteria were found scattered around a bathroom after flushing
- 1.5 million child deaths worldwide due to food/water tainted with
Consumer Wipes: Benefits

Convenience
- Portability
- Disposable
- Easy-to-use
- Time saving

Health/Hygiene
- Limit Cross Contamination
- Safety
Consumer Wipes: Prevalence of Use

FIGURE E.2 Sales of consumer and industrial wipes, 2004–14 ($ billion)

Source: Pira International Ltd
Impacts of Non-Dispersibles on Waste Treatment Systems
Septic Systems
- wipes reached the first 5 feet of drainfield
- had to be excavated and replaced
- took more than a day to repair the clogged system
Had to be cleaned out by hand
Can Fill Up Septic Systems impacting WWTF
Can Clog Pipes
Baby Wipe Removed from Clogged Pipe
San Antonio Sewer Monster

Eleebana Sewer Monster, Australia
Franklin WWTF

Wipes were hung up on a wire left in the pipe from an old meter in a 60 inch sewer.
Can Clog Pumps
Screenings Sampling
2011 Test Results from Portland, Maine

- Paper Products 42%
- Baby Wipes 24%
- Feminine Hygiene 17%
- Flushables 8%

Other: Household Wipes 4%, Cosmetic 3%, Medical 2%, Hands, Face and Body (HFB) 1%

Source: OCSD
flushable?

I don't think so!
Flushable vs. Dispersible?
What is Dispersible?

disp·perse (dĭ-spûrs′)

1. a. To drive off or scatter in different directions: The police dispersed the crowd.
   b. To strew or distribute widely: The airplane dispersed the leaflets over the city.
2. To cause to vanish or disappear. See Synonyms at scatter.
3. To disseminate (knowledge, for example).
4. To separate (light) into spectral rays.
5. To distribute (particles) evenly throughout a medium.
Toilet Paper Rapidly Disperses
at OCSD Lab 2010

Source: OCSD
Flushable But Not Dispersible Wipes
4 hours heavy stirring at OCSD Lab 2010

Source: OCSD
Non-Dispersible?

at OCSD Lab 2012

Toilet Paper after 5 min.

Wipes after 24 hours

Source: OCSD
Flushable Wipes?

at OCSD Lab 2012

Unused

After 24 hours

Source: OCSD
Conclusion

Toilet Paper is Dispersible

Most Flushable Wipes are not Dispersible
So you’re tellin’ me flushable wipes aren’t flushable?
INDA Logo’s
refer to the labeling, packaging, or marketing not to the product itself.
Labels: the “Good”

Using water-based binders that readily disperse.

Placing INDA-standard DNF logo prominently (though still not on the front!)
Cottonelle Fresh Care Flushable Cleansing Cloths

- **Good on you tush ... Bad for you pipes**, December 30, 2013 By aslterp
  I LOVE these, the pipes in my house however, HATE these.

  $300 dollar plumber bill and what I'm sure will be a lengthy process in fixing our damaged dry wall and carpet have made these products less desirable.

  They will back up your pipes and lead to a clog which will ultimately lead to water overflowing somewhere in your house. In our case our recently finished basement... UGH.

- **They work on you... not on your pipes!!!**, December 30, 2013 By Robbie
  We were big fans of this product. They were a great alternative to toilet paper, and certainly felt "cleaner" to us.

  Well, the plumber just left and a few hundred dollars later, the flushable wipes were the culprit in our backed up pipes. He explained that these wipes do not break down like the package says they do, and they will ultimately lead to problems, especially in older pipes and main sewer lines. Save yourself the trouble and stick with original TP!!
Labels: the “Bad”

Labeling things “flushable” that do not satisfy INDA standard.

Above: Packaging.
Below: After testing for 24 hours

Manufacturing products likely to be flushed (feminine or hemorrhoid wipes) that are not dispersible.

Displaying “flushable” and non-flushable products mixed together at point of sale.
Kirkland Signature Moist Flushable Wipes

- **NOT flushable**, July 10, 2013 By EC4151 –
  Was looking down the barrel of a $400 plumbing bill but fortunately the plumber was able to retrieve all the of the fully intact "flushable" wipes without having to dismantle the toilet. Be aware that these are NOT flushable regardless of the packaging claims.

- **Flushable wipes apparently not so much**, November 4, 2012 By bandaid
  First of all, they are difficult to get out in 1 piece, but mostly they do not break down, had to pay a RotoRooter guy to snake the line, $198 later and all he found were these clogging up the main line. Don't be fooled, these are not flushable.

- **DO NOT FLUSH**, August 13, 2012 By M. Grady "maraquin"
  We recently bought several boxes of these "flushable" wipes. Fast forward to today when my landlord had to get our sewer line snaked and clean up a basement flooded with sewage because these wipes did not break down at all once they were flushed. We had no idea that these would clog our sewer lines especially since the box claims they are safe to flush and that they are safe for sewer and septic systems. THIS IS NOT TRUE. Save yourself time and money and either do not buy these wipes or do not flush them if you buy them, this will save you lots of time and money down the road.
More “Bad”!

- Placing disposal information only in fine print.
- Using non-INDA standard DNF logos on packaging.

Fine print: qualifying number of wipes that can be “safely” flushed; differentiating between sewer and septic systems.
Labels: the “Ugly”

Packaging that positions, encourages non-flushable products to be flushed. (This product is not dispersible).

No disposal information whatsoever on package.

Products not compatible with plumbing and POTWs marketed as flushable.
Pampers Kandoo Flushable Wipes

- **Kandon't Use These** By [Doc Holladay](https://www.amazon.com/gp/product/B0035KPY2Q/ref=sr_1_1?ie=UTF8&qid=1433553719&sr=8-1&keywords=pampers+kandoo+flushable+wipes) on April 24, 2013
  
  These wipes don't break down in water. I was up until 2 this morning, snaking our line, because everything backed up into our basement. It was awesome. And by "awesome," I mean I pulled out grey and black clumps of intact Kandoo wipes from the line, and had to disinfect the entire basement floor. The only thing these "kandoo" is create a serious headache, and put you out anywhere from $150-$300. I'm not blaming the product, because I really should've known better than to flush something down the toilet that looks, feels, and acts like a diaper wipe. It's that blasted frog, though. He's so unassuming and cheerful looking, as if he's saying, "Don't worry, I'll clean up all your kids' messes--I 'kandoo' anything! Yay!" In reality, he's saying, "I might clean your child's bum with ease, but I'm going to make sure you're cleaning up your family's poo water from the basement floor in several months.Yay!"

- **Clogged our sewer main line - the real cost of these wipes was over $1000 for us.**, December 31, 2013 By [AV](https://www.amazon.com/gp/product/B0035KPY2Q/ref=sr_1_1?ie=UTF8&qid=1433553719&sr=8-1&keywords=pampers+kandoo+flushable+wipes)
  
  Even when flushing only the recommended amount, we ended up with clog in our main sewer line which backed up into our home, filling our bathroom and garage with sewage and piles of these wipes, which had not broken down in any way since they were flushed weeks ago. We needed to have both a plumber out as well as a cleanup service. If you are looking for a flushable wipe that is safe for your plumbing, this is not it.
Solutions?
Upgrade Equipment

Chopper Pump

Grinder
GRIND.PUMP.REMOVE
WIPES READY TECHNOLOGY

OPTIMIZED CUT CONTROL™
CUTTERS STAY CLEAN
PREVENTS LONG STRIPS

WIPES READY CUTTERS™
SMALLER PARTICLES
NO REWEAVING

PERFORATED DRUMS™
NO WIPES BYPASS
MAINTAINS HIGH FLOW
• Three P’s
• PEE, POOP and Paper
• STOP! BE CAREFUL WHAT YOU Flush!

CAUTION
THIS TOILET IS ON A
SEPTIC TANK
DO NOT DEPOSIT
FEMININE HYGIENE PRODUCTS,
WASTE PAPER OR ANY
NON-BIODEGRADABLE ITEMS
THANK YOU

DO NOT FLUSH
SANITARY PRODUCTS
USED DIAPERS
TISSUES & Q-TIPS
COTTON BALLS
KITTENS & PUPPIES
PROSTHETIC LIMBS
HOPE & DREAMS
WET WIPES TURN NASTY WHEN YOU FLUSH THEM
Toilets Are Not Trashcans!

Did you know that flushing wipes down the toilet can cause problems in the City’s sewer system? Even wipes (such as sanitary wipes, household cleaning wipes, baby wipes, etc.) that are labeled “flushable” clog the sewer system, contributing to costly cleanups. The San Francisco Public Utilities Commission (SFPUC) encourages everyone to flush only human waste and toilet paper down the toilet. Please throw wipes and similar items in the trash.

Remember, the bay and ocean are closer than you think!

http://pollutionprevention.sfwater.org
• Only Human Waste and Toilet Paper

If it is not toilet paper, it shouldn't be flushed!

A message from the Portland Water District

If it IS NOT toilet paper, it should NOT BE FLUSHED
What’s FLUSHABLE?

A toddler will tell you that everything is flushable... but what you think is flushable could be costing you money!

Product labels can be misleading. Some items that claim to be “flushable” can clog sewer and septic systems and can end up costing you a pretty penny.

“Flushable” does NOT mean it is SAFE for your septic system or sewer.

“Disposable” items ARE NOT flushable and should be placed in the trash.

The bottom line: ONLY Human waste and toilet paper ARE FLUSHABLE

The DO NOT FLUSH List:
- Diapers
- Cigarettes
- Paper Towels
- Cotton Swabs
- Tampons
- Condoms
- Dental Floss
- Facial Tissues
- Wipes
What's FLUSHABLE?

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The bottom line: ONLY Human waste and toilet paper ARE FLUSHABLE

Environmental Services
Voluntary Compliance Industry Standards
Contact Info

Ray Gordon
NHDES Septage Coordinator
Wastewater Engineering Bureau
(603) 271-3571
Grease to Gold: How to Make Energy From a Problem
Ray Gordon, NH Dept. of Environmental Services
Wastewater and Solid Waste = Perfect opportunity to work together
Why should you collect cooking oil!
The Steps to Start a Collection!
Fats
Solid at room temperature
Butter, shortening, margarine
Peanut butter
Meat trimmings
Uncooked poultry skin
Dairy: Cheeses, milk, cream, sour cream, ice cream

Oils
Liquid at room temperature
Vegetable oil
Canola oil
Olive oil
Corn oil
Salad dressings
Cooking oils

Grease
Turns to liquid during cooking, but solidifies when cooled
Gravy
Mayonnaise
Melted meat fat
Bacon and sausage
Boiled poultry skin
Salad dressing
Sources of Fat, Oil and Grease

- Airports
- Food Processing Plants
- School Cafeterias
- Strip Shopping Centers
- Concession Stands
- Fast Food Restaurants
- Convenience Stores
- Soup Kitchens
- Hotels
- Casinos
- Convention Centers
- Correctional Facilities
- Full Service Restaurants
- Grocery Store Kitchens And Delicatessens
- Restaurants in High Rise Buildings
- Sports Arenas
- Cafeterias
- Hospitals
Fat, Oil and Grease

FOG Derived from food products such as:
- Deep-fried foods,
- Meats,
- Sauces,
- Gravies,
- Dressings,
- Baked goods,
- Cheeses, and
- Butter.
Basic Types of Waste Grease

Brown Grease

Yellow Grease
Food grade (French fry) grease, no wastewater or waste contact, good for fuel. Regulated as Solid Waste.
Mixed with wastewater, caught in interceptors or skimmed from the WWTF processes Regulated “Septage”.

Don’t Pour Grease Down The Drain

Brown Grease
Freeze the Grease

PROPER GREASE DISPOSAL

1. COOL IT  2. CAN IT  3. TRASH IT
Which is more dangerous?
Houston, we have a problem
SO YOU'RE TELLING ME

YOU POURED BACON GREASE DOWN THE SINK DRAIN?
Septic Systems
Estimated 61% of NH Households on Septic Tanks
FOG in Septic Systems

Fats can form a mass at the top of the septic tank and interfere with the biological activities taking place.
Septic Systems
Solids, grease, and smaller particulates that are allowed to leave the septic tank can buildup a bio-mat of viscous slime over the years. This can clog soil pores and render the leach field inoperable for percolation.
The Problem?
FATS, OILS, GREASE and sewer lines
Interference
Keene N.H. Fined for Violations at Wastewater Treatment Plant

Release Date: 04/18/2006
Contact Information: David Deegan, (617) 918-1017

(Boston, Mass. - Apr. 18, 2006) – The City of Keene, N.H. will pay a $58,000 fine as part of an EPA settlement for violations of the federal Clean Water Act at the City’s municipal wastewater treatment plant and sewer collection system. The violations resulted in sewage overflowing from the system on dozens of occasions.

The settlement resolves EPA concerns regarding Keene’s wastewater treatment plant and sewer collection system. Keene’s violations led to more than 30 overflows of untreated sanitary sewage between 2000 and 2005, many of which reached local waterways. Most of the overflows were caused by blockages in the system, which can be prevented by routine cleaning and maintenance.

"By ensuring that sewer lines are properly cleaned and kept free of grease, roots and other blockages, we can prevent overflows and help keep our rivers and streams clean and healthy," said Robert W. Varney, regional administrator of EPA’s New England office. "EPA is committed to protecting people’s health by enforcing environmental laws that protect our water, air and land."

Keene’s public sewer system includes a secondary wastewater treatment facility that discharges 3.5 million gallons per day of treated wastewater into the Ashuelot River. The collection system is made up of about 96 miles of sewer, 2000 manholes, five city-owned pump stations and 10 privately-owned pump stations.

Other violations captured in the penalty issued by EPA today are for exceeding effluent limits for zinc in the city’s Federal Effluent Limitation System (HELP) permit and for failing to submit required reports.
Which is more dangerous?
Public Works Partnership

Solid Waste Facilities

- Turn a Waste into a Resource
- Collect Revenue

Wastewater Facilities

- Prevent SSO’s
- Save Sewer Cleaning Costs
Help Protect Homes in Your Community
Set up a simple Recycling program!

North Oconee (GA) Water Reclamation Facility.
NRRA Waste Vegetable Oil Collection Program

Provides YOU a Simple Waste Vegetable Oil Collection Solution
Step #1 - Free Containers
Step #2 - Free Signs

NH The Beautiful

- Each town gets 60 points a year towards free signs
- This sign is 14 points
Step #3 – Educate the Public
Pollution Prevention

Don’t Pour Grease Down The Drain

Brown Grease – A Problem Costs you $$$

Convert

Yellow Grease – A Resource Can Pay you $$$
Recycling used oil is completely logical.
TOGETHER, WE CAN REDUCE POLLUTION.
CONTRIBUTE TOWARDS THE PRODUCTION OF BIODIESEL
AN ECO FREINDLY, SUSTAINABLE & RENEWABLE SOURCE OF ENERGY.

CETDEM Organic Farming Community Centre (OFCC)
29 Jalan 19/15, 47300 Petaling Jaya
Monday - Friday : 9:30am - 12:30pm
Saturday - Sunday : 11:00am - 12:00noon  (T: 03-7875 7767)
Step #4 – Start Collecting
Step #5 - Free Pick-Up
Geographic Coverage

Collection Area:

- NH
- MA
- RI
- ME
- VT
- CT

Strategic Locations:

- Pittsfield NH Headquarters
- Fitchburg Hub
- Boston Hub
- Portland Hub
- Montpelier Hub
Pittsfield Facility
What AMENICO Does!!!

Turned Raw Waste Cooking Oil... ...into a vegetable based biofuel

7,302 gallons in 2016
Step #6 – Collect Revenue

- High of $1.15/Gallon
- $0.35/gallon in 2016
Step #7 – Brag about the Benefits

- Recycled used vegetable oil is being used for energy recovery and is not being wasted in our landfills or disrupting wastewater treatment plants.
- Reused as a fuel, vegetable oil has fewer harmful air emissions.
- Reduce our nation’s dependence on natural resources.
Will you help?

- Provide residents a solution
- Contact NRRA TODAY!!!
  Phone: 603-736-4401
  1-800-223-0150
  Fax: 603-736-4402
  Web Site: www.nrра.net
  Office Email: info@nrра.net

41 Towns Participated in 2016

Let your Sewer Department know so they get credit as part of their FOG Program
My Spidey Sense tells me to recycle used cooking oil!

For more information call 251-626-2628 or visit us at www.daphneutilities.com
How to Recycle Cooking Oil
Pour Excess Cooking Oil into Collection Container
Wipe Off Grease Before Rinsing
Acceptable Cooking Oil Products

- Canola
- Soy
- Palm
- Olive
- Corn
- Peanut
- Cotton seed
- Sunflower
- Vegetable (Combination)

Must be in a liquid state
Recycling your used oil keeps Daphne clean & green!
We’re turning grease into electricity!

That’s right, Dallas Water Utilities is turning YOUR grease and cooking oil into electricity at the Southside Wastewater Treatment Plant!

Cease the Grease
Recycle Used Oil
You Will, Young Jedi!

Daphne Utilities
Unacceptable Cooking Oil Products

- LARD - pig fat in both its rendered and un-rendered forms
The Many Uses of BACON GREASE
For Gunpowder

SAVE WASTE FATS

Rush Them to Your Meat Dealer

Housewives!

SAVE WASTE FATS FOR EXPLOSIVES!

Take them to your meat dealer
Bacon fat is a healthy, sustainable, and frugal cooking fat.
Practical Ways to Use Bacon Grease

Bacon Grease
Soap
Cool → CAN the GREASE → Scrape → Trash

FREEZE THE GREASE
Unacceptable Oil Products

- Any other oil “not Cooking oil”
  - Linseed oil
  - Motor oil
ONLY YOU CAN SAVE OUR SEWERS
Will you help?

- Provide residents a solution
- Contact NRRA TODAY!!!
  Phone: 603-736-4401
  1-800-223-0150
  Fax: 603-736-4402
  Web Site: www.nrра.net
  Office Email: info@nrра.net

41 Towns Participated in 2016

Let your Sewer Department know so they get credit as part of their FOG Program
Contact Info

Ray Gordon
DES Septage Coordinator
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Grease Recycling

Together We Can Make A Difference