

Bio

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Wastewater Challenges – FOG

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WASTEWATER CHALLENGES

- Wastewater challenges are both dynamic and unique
 - Problems with nitrification
 - See webinar from 3/25/2020 (COVID-19)
 - Problems with F:M
 - See webinar from 4/22/2020
 - Problems with FOG
- Fats, oils and grease
 - Natural by-product of cooking and food preparation process
 - Accumulates in collection systems and at your facility
- So what now?





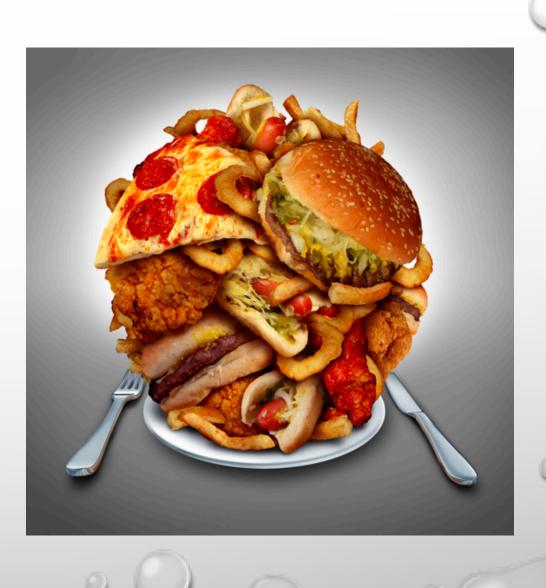
Water.ArlingtonVA.us

FOG

- Natural by-product of cooking and food preparation process
- Exacerbated by irresponsible disposal of grease down residential/commercial drains
- Accumulates in collections systems and causes treatment issues at your facility

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B



• Nothing

- Can cause damage to important infrastructure
 - Pumps, sensors and floats
 - Contributes to H₂S in collection systems (hazardous, corrosive)
- Sewer system overflows (SSOs)
- Filamentous bacteria love FOG
 - Foaming





- Educate your community
 - Properly dispose of grease rather than dumping down the drain
- Create a FOG ordinance
 - Require grease traps at restaurants
- No guarantee this will work
 - People love drains and toilets because things "disappear"





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- Give bacon grease to doggos
 - Every homeowner should own or adopt a FOG DOG





- Educate your community
 - Properly dispose of grease rather than dumping down the drain
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 - Require grease traps at restaurants
- <u>Give bacon grease to doggos</u>
 - Every homeowner should own or adopt a FOG DOG
 - Or a FAT CAT



Bustle.com



- Call in the big rig (Jet-vac service)
 - Expensive (\$168/hr)
 - "Band-Aid" approach
 - \$1/ft of pipe to clean a collection line





OUR RECOMMENDATION

- Create a FOG ordinance (mandatory*)
- 2) Educate your community
- Add live microbiology to your collections system
 - This reduces FOG both in your collections system AND at your facility



*See National Pretreatment Program 40 CFR 403



OUR RECOMMENDATION

- BioLynceus[®] ProBiotic Scrubber[®] II
 - Safely introduces a diverse population of bacteria to your wastewater facility
 - Treats your collections system AND facility at the same time





PROBIOTIC SCRUBBER® II

 ProBiotic Scrubber[®] II is engineered to enhance regular wastewater operations by using several different species of beneficial bacteria – IT'S ALIVE!





OUR PRODUCTS

- Available in 5-gallon pails, 30- & 55- gallon drums, 275- & 330-gallon totes
- Ready to ship today





CONTACT US

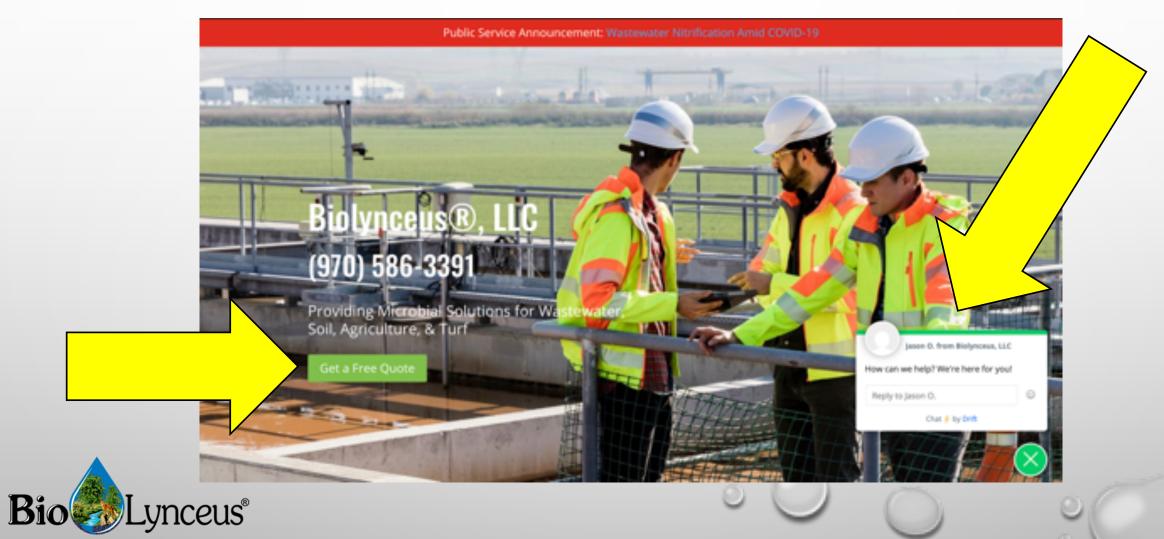
- BioLynceus is a family-owned business in Estes Park, CO
- Our business hours are M-F from 8 AM 5 PM (Mountain Time)
- Call us today at (970) 586-3391 to talk about your wastewater challenges or visit our newly renovated website <u>BioLynceus.net</u>







• QUESTIONS?



CALL TODAY!

(970) 586-3391

