Fats, Oils & Grease Outreach Campaign
Prior to 2014

Utility Bill Insert

FOG program was managed by Stormwater staff until Summer 2015

Website April 2014
Stop the Clog program was created in-house by City of McKinney Communications Department.
Utility Bill Inserts

STOP THE CLOG

CAN THE FATS, OILS & GREASE

Fats, oils, and grease (FOG) create a huge problem for sewer pipes. FOG can create massive clogs that cause sewer backups and overflows resulting in costly repairs.

FOLLOW THESE 3 EASY STEPS TO HELP STOP THE CLOG:

- **Can It!**
  Once cooled, pour leftover oils and grease into a sturdy container.

- **Scrape It!**
  Before washing, scrape out fats, oils and grease from pots, pans and dishes.

- **Trash It!**
  Put fatty and greasy food scraps in the garbage, not down the drain.

McKinney residents can call Solid Waste Services at 972-547-7360 to schedule a curbside pickup of FOG collections more than 1 quart. Visit the website for more information.

MANTENGA LA GRASA FUERA DE LOS DRENAJES

CONTenga LA ManteCA, AcIete y GRAsA

Manteca, aceite y grasa se solidifican en el drenaje causando acumulación dentro de su cañería de drenaje el cual puede causar problemas en su alcantarilla. La limpieza y reparación de las cañerías de drenaje es muy costosa y puede resultar en un aumento en su costo de utilidades.

TRES MANERAS DE MANTENER LA GRASA FUERA DE SU DRENAJE

- **CONTENGALO!**
  81'Ya que el aceite se enfría, vacíe el aceite, grasa o manteca en un contenedor y estélo.

- **RASPE EN SECO!**
  Antes de lavar, raspe en seco y remueva las sobras, residuos de grasa y comida en los platos, ollas y sartenes en la basura. Con una toalla de papel, limpie el exceso de grasa o aceite.

- **DESÉCHELO EN LA BASURA!**
  Remueva las sobras de comida y grasa en la basura, no en el drenaje con agua.

Si usted tiene más de un litro o cuarto de manteca, aceite o grasa que necesita descharlar, hable al departamento de Servicios Ambientales para programar que lo recopilen a través del programa de Residuos Aserios Peligros (RMP). Hable a 972-547-7360.
“Stop the Clog”

**Can the Fats, Oils & Grease**

Fats, oils, and grease (FOG) create a huge problem for sewer pipes. FOG can create massive clogs that cause sewer backups and overflows resulting in costly repairs.

**Follow these 3 easy steps to help stop the clog:**

- **Can It!**
  Once cooled, pour leftover oils and grease into a sturdy container.

- **Scrape It!**
  Before washing, scrape out fats, oils and grease from pots, pans and dishes.

- **Trash It!**
  Put fatty and greasy food scraps in the garbage, not down the drain.

McKinney residents can call Solid Waste Services at 972-547-7385 to schedule a curbside pickup of FOG collections more than one quart. Visit the website for more information.

City of McKinney Public Works
www.mckinneytexas.org/FOG
Mantenga la grasa fuera de los drenajes

CONTENGALA!

Ya que los residuos están fríos, vacíe el aceite, grasa o manteca a un contenedor o envase y sellelo.

RASPE EN SECO!

Antes de lavar, raspe en seco y remueva las sobras, residuos de grasa y comida en los platos, cajas y cestos en la basura. Con una bola de papel, limpie el exceso de grasa o aceite.

DESECHÉLO EN LA BASURA!

Remueva las sobras de comida y grasa en la basura, no en el drenaje con agua.

City of McKinney Public Works
www.mckinneytexas.org/FOG

Spanish Poster
Brochure Holders placed in HIGH traffic City Buildings
Brochure Holders distributed to 70 apartment complexes & leaflets were distributed to approximately 10,000 residents that do not receive utility bills.
8.5 x 11 Acrylic Sign Holder with Pocket for 4 x 9 Brochures, T-style - Clear

<table>
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<th>Price Each (USD)</th>
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<tr>
<td>1-12</td>
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<td>396-1002</td>
<td>$5.98</td>
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Customizable With Your Logo! This product can be imprinted with your custom logo. Email info@displays2go.com for a quote. Minimum quantities of 500 apply.

8.5 x 11" Acrylic Sign Display with Brochure Pocket

Are you shopping for an acrylic sign display that includes a frame along with a pocket for brochures? This versatile combination unit is like getting two fixtures for the price of one. Each acrylic sign display, also known as a print frame, is made with high-quality materials. The literature holder is permanently attached to the lower right corner of the framing. This sign frame is the perfect acrylic sign display one would want to use in a lobby or reception area. Print changes are simple with the bottom loading design. Flip the sign frame - acrylic sign display upside down and pull out the old graphics and slide in the new images. It is a simple process that can be done in seconds. This acrylic sign display that holds an 8.5" x 11" paper is ideal for use on a countertop or desktop in an office or business waiting room. This “T” style stand has a single literature pocket for 4” wide pamphlets.

This acrylic sign display with a brochure pocket enables users to display vibrant graphics to entice passersby to take a brochure. The pocket is 1.25" deep by 5.5" high. Each acrylic sign display is designed to hold a standard sheet of 8.5" x 11" paper, leaving a 4.25" x 11" unobstructed view of the signage to the left of the pocket. Place this countertop advertisement stand in a travel agency or hotel lobby to promote local points of interest or exotic destinations. This acrylic sign display is also eligible for custom printing; see above for more details.
Fats, Oils & Grease

Fats, oils and grease (FOG) found in food ingredients such as meat, cooking oil, shortening, butter, margarine, baked goods, sauces and dairy products can cause the sewer lines in homes and streets to backup if it is not disposed of properly.

Frying a turkey for the holidays?
Schedule a free Household Hazardous Waste collection for large quantities of fats, oils and grease. Curbside collection is available to all residents.

Expensive Repairs
FOG that is poured down the sink drain will cling to the insides of pipes and the sewer system, and over time can build up and block pipes completely. If wastewater can’t move freely through pipes and out into the sewer system, it can back up into your home and can cause unsanitary conditions and damages that can be expensive to repair.

Why You Should Be Concerned
- Pouring fats, oils and grease down the drain may clog your pipes and back up sewage lines. Sewage back-ups can damage personal property, and that can be expensive for the homeowner.
- The City of McKinney spends around $300,000 a year to clean out blocked pipes within the public sewer system.

What You Can Do
- There are several ways to dispose of fats, oils and grease that won’t impact the pipes in your home, the sewer lines or the environment.
- Let fats, oils and grease cool to room temperature in pots and pans. Then pour it in a container and throw the container away in the trash.
- Before you wash pots and pans, wipe the fats, oil and grease with a paper towel and toss it into the trash.

City Website
www.mckinneytexas.org/fog
Recent Clog, Take Action!
The City of McKinney recently repaired sanitary sewer lines in your area due to a clog caused by fats, oils and grease (FOG). FOG can create massive clogs that cause sewer backups and overflows resulting in costly repairs.

Stop the Clog
CAN THE FATS, OILS & GREASE

Please follow these three easy steps to help stop the clog:

Can It!
Once cooled, pour lightweight oils and grease into a sturdy container.

Scrape It!
Before washing, scrape out fats, oils and grease from pots, pans and dishes.

Trash It!
Put solid and greasy food scraps in the garbage, not down the drain.

Mckinney residents can call Solid Waste Services at 972-547-7380 to schedule a curbside pick-up of FOG collections more than one quart.

Visit the website for more information.

McKinney Public Works
972-547-7380

¡Tome Acción Ahora! Evite taponamientos de tuberías
La Ciudad de McKinney recientemente reparó las tuberías de drenaje en su vecindario, causado por la acumulación de manteca, aceite y grasa. Manteca, aceite y grasa se solidifican en el drenaje causando acumulación dentro de su tubería de drenaje, el cual puede causar problemas en su alcantarillado. La limpieza y reparación de las tuberías de drenaje es muy costosa.

Contenga la Grasa Fuera de los Drenajes
Tres maneras de mantener la grasa fuera de su drenaje:

Contengalo!
Ya que los residuos están fríos, vacie el aceite, grasa o manteca a un contenedor o envase sellado.

Raspe en Seco!
Antes de lavar, raspe en seco y remueva las sobras, restos de grasa o manteca en los platos, cubiertos y platos en la lavavajillas. Con una toalla de papel, limpie el exceso de grasa o aceite.

Deségelo en la Lavavajillas.
Remueva las grasas y aceites en la lavavajillas, no en el drenaje con agua.

Si usted tiene más de un litro o cuarto de restos de aceite, grasa, o manteca o necesita obtener la lista del departamento de Servicios Ambientales para programar una cita y podemos recolectarlos dentro del programa de Residuos Especiales Programa, hable a 972-547-7380.
“Save the Drain” Video by McKinney Vision

Released November 2015

https://youtu.be/x2JCP0oA2M
Facebook Posts

Avoid costly clogs in your pipes this holiday season by properly disposing of Fats, Oils and Grease (FOG). Used cooking oil should be containerized and thrown in the trash or set out for a scheduled curbside collection pick-up. For more than a quart of containerized FOG, call Environmental Services at 972-547-7385 or fill out an online form to schedule curbside pickup of your used cooking oil at no additional cost.

McKinney, TX - Official Website - Fats, Oils & Grease

McKinney, TX - Official Website - Fats, Oils & Grease

Read how to fight the festive fat and keep drains lean by keeping fats, oils and grease out of household sinks in the ‘Dallas Morning News’ Neighbor’s Go’.

Fight the festive fat and keep drains lean

McKinney, TX - Official Website - Fats, Oils & Grease

McKinney, TX - Official Website - Fats, Oils & Grease
Merry Christmas from City Council
Mayor Brian Loughmiller and the McKinney City Council would like to wish everyone a very Merry Christmas and a happy New Year!

City offices and facilities closed for Christmas, New Year's
McKinney City Hall, municipal courts, city administration offices, recreation centers and public libraries will be closed Thursday and Friday, Dec. 24-25, in observance of the Christmas holiday and also on Friday, Jan. 1 in observance of the New Year holiday. A full list of holiday closures can be found on the city's website.

Recycling fats, oil and grease
Avoid costly clogs in your pipes this holiday season by properly disposing of Fats, Oils and Grease (FOG). Used cooking oil should be containerized and thrown in the trash or set out for a scheduled curbside collection. For more than a quart of containerized FOG, call 972-547-7385 or fill out an online form at www.mckinneytexas.org/FOG to schedule curbside pickup of your used cooking oil at no additional cost.

City Council meetings
McKinney City Council
Outreach

• Green Newsletter
  • 7k subscribers
• City Newsletter
  • 40K subscribers
• Green Seminars
  • Avg attendance 70 103 seminars since 2011
• New Resident Welcome Bags
  • 100 per month through Chamber of Commerce
• HOA presentations
• Church Presentations
• Community Events
London’s 130 ton Fatberg

https://www.youtube.com/watch?v=HjFjpGexf1g
Sewage seeped from 3rd floor apartment to other apartments below and with shared walls.

11 families displaced
“FOG” Giveaways

Dish Squeegee

Saves water, energy, time and money!

6 Squeegee dishes before dishwasher use without pre-rinsing and save up to 6500 gallons of water per year!

Fun to use!

Dish Squeegee

It’s simple, fast, and eco-friendly!

- The Dish Squeegee helps keep your kitchen clean.
- It makes dishes simpler.
- It's more efficient.
- Dish washing without the use of water.
- Water savings!
- Conformed to the shape of your dish.
- Dishwasher Safe.

The Dish Squeegee™ makes washing dishes simple, fast and eco-friendly. Experts estimate that using dish squeegees instead of putting them in the dishwasher can save up to 2500 gallons of water a year per household. Take the Dish Squeegee™ Challenge by keeping the faucet off and using your Dish Squeegee™ instead to break the habit of wasteful water use. The Dish Squeegee™ component can generate a 0.0001 annual savings in water. The Dish Squeegee™ component can generate a 0.0001 annual savings in water.
### City of McKinney - Cooking Oil Collection

Number of Gallons collected

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<th>Months</th>
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<th>2017</th>
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<td>99</td>
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<td>Nov</td>
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<tr>
<td>Dec</td>
<td>113</td>
<td>115</td>
<td>148</td>
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<tr>
<td>Total</td>
<td>326</td>
<td>487</td>
<td>581</td>
<td>459</td>
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Monthly FOG Collection 2014 to 2017 Sept
Annual FOG Collection 2014 to 2017 (Jan.-Sept.)

<table>
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<th>Years</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
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<tbody>
<tr>
<td>Total</td>
<td>326</td>
<td>487</td>
<td>581</td>
<td>459</td>
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<tr>
<td></td>
<td>27.16</td>
<td>40.58 avg.</td>
<td>48.4 avg.</td>
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<td></td>
<td>gallons per month</td>
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<td>gallons per month</td>
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<td></td>
<td>49% increase from 2014 volume</td>
<td>78% increase from 2014 volume</td>
<td>88% increase from 2014 volume</td>
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American Bio Source to take over Texas biodiesel plant at Denton landfill
January 9, 2014 | Meghan Sapp

In Texas, American Bio Source will take over the biodiesel plant at the landfill in Denton, bringing production back online. American Bio Source has been collecting used cooking oil for biodiesel production since 2010 and sought to relocate to the landfill.

The facility is the first in the country to power biodiesel production using landfill methane. The facility was opened in 2005 but closed in 2008 when the California company that ran it suddenly shut it down and the city later sued it for breach of contract. The city has pledged to buy at least 300,000 gallons to run its fleet under the previous agreement before the shutdown but has since converted part of the fleet to natural gas.

Tags: American Bio Source, biodiesel, Texas
Category: Producer News
Patty Potty

https://youtu.be/U1YiUF0vrag
Central Contra Costa Sanitary District  video

https://youtu.be/mjPuygozntw
Non-Traditional Clog Causes (FOG)

- Icing
- Salsa & Sour Cream
- Chicken Stock
- Icecream
- Sauces
- Gravy
- Batter
- Dough