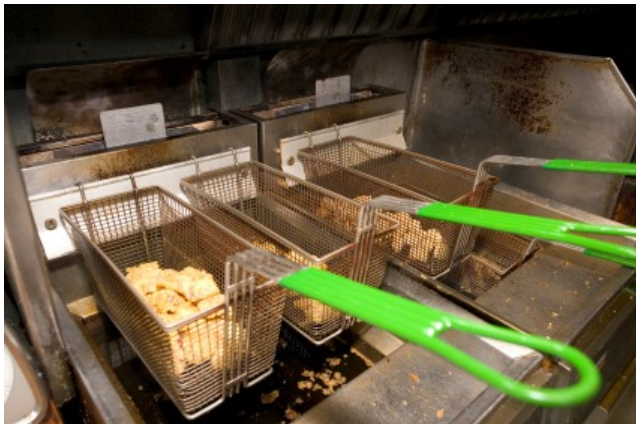




Oil Sheen in a Parking Lot



Oil and Grease from Cooking



<http://www.pricemykitchen.com/tag/fryers-2/>



<http://www2.oaklandnet.com/Government/o/PWA/DOWD000876>

General Information

Oil and grease is made of hydrocarbons which even at low concentrations can be toxic. Effects of oil and grease in stormwater include toxicity; the coating of plants and the gills of fish which can prevent the exchange of gases; and unpleasant potentially harmful conditions for swimmers at recreational sites. Oil and grease can also build up in the infrastructure causing backups. Sources include but are not limited to automobiles not properly maintained; spills on driveways, roadways and in garages; and improper disposal of cooking oil.

Best Management Practices

- Proper maintenance of vehicles.
- Whenever practical use green infrastructure practices like porous pavement and vegetative buffers that promote the infiltration of stormwater into soil and removal of pollution through natural processes.
- Address spills immediately and make sure they are cleaned up.
- Hazardous waste collection programs.
- Clean grease traps regularly.
- Don't pour grease into sinks, floor drains, trash bins, street gutters or parking lots.
- Public education and outreach programs informing people of proper management and disposal methods and spill cleanup procedures for oil and grease.

Additional Information

EPA

http://cfpub.epa.gov/npdes/stormwater/menuofbmps/index.cfm?action=factsheet_results&view=specific&bmp=95

NYSDEC

Section 2.1 of the 2010 NYS Stormwater Management Design Manual - <http://www.dec.ny.gov/chemical/29072.html>

Other

<http://www.seas.ucla.edu/stenstro/j/j21>

<http://www.waynesboro.va.us/pw-es-oil.php>

<http://www.kingcounty.gov/environment/waterandland/stormwater/introduction/science.aspx>