

Attachment 2

Metropolitan Water Reclamation District of Greater Chicago

Monitoring and Research Department

Approved Best Management Practices (BMPs) for Fats, oils & greases (FOG) (total) in Leachate Effluent of Landfill Facilities Closed for the Acceptance of Wastes

1. Facilities must operate and maintain the necessary pretreatment equipment and devices to minimize concentrations of FOG in leachate effluent.
2. Facilities must train and educate staff on the importance of controlling FOG in light of potential obstructions of and damage to the local collection system, which increases maintenance and operations costs for the municipality. Staff training records shall be maintained and made available to regulatory authorities upon request.
3. Temperature of leachate effluent should be maintained below 140 degrees Fahrenheit to minimize FOG solubility and/or emulsification prior to entering the local collection system.
4. Facilities with leachate effluent FOG concentrations consistently less than the 250 mg/L local limit shall be subject to the current federal pretreatment program requirement of biannual self-monitoring, for a minimum of 3 consecutive days, for FOG.
5. Facilities with leachate effluent FOG concentrations consistently greater than the 250 mg/L local limit shall be subject to a more stringent self-monitoring schedule, above and beyond the federal pretreatment program requirement. Such facilities shall establish an annual historical FOG database by conducting a minimum of 4 quarterly sampling events, with 6 consecutive sampling days per event for a total of at least 24 FOG samples.
6. For those facilities subject to BMP no. 5 above, any leachate effluent sample concentration greater than or equal to 1,000 mg/L shall automatically trigger a requirement for the facility to conduct a formal investigation to determine the cause(s) of the elevated FOG and take whatever corrective actions are necessary to reduce FOG concentrations in leachate effluent.