

Providing superior service and quality analysis for engineering firms, municipalities, school districts, government agencies, industrial facilities and individuals in Southeast Texas since 1986.

If you would like EEL to complete your **DMR'S** online, please contact Brian at 1-800-525-0508



Do you want **FAST** results? Visit our website at eastexlabs.com to learn more about Element **ClientConnect**. Watch a short **video tutorial** today!

ClientConnect allows you to access data and documents about your projects, view real time status and results, create and export data sets. Call Susan or Ruth to set up your online account.

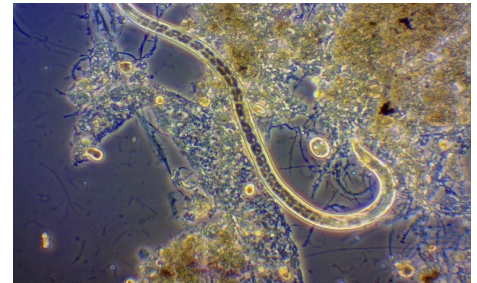
Summary Texas Administration Code 30 TAC 312

To protect public health and environment, 30 TAC 312 sets the framework for sewage sludge (biosolids) regulations. It requires proper treatment, use and disposal of sewage sludge.

Sewage sludges are created for a good reason – they are the byproduct of processes that clean our sewage before the clean water is discharged into stream. New treatment processes hold promise for significantly reducing sludge production. There are currently limited options: landfilling, incineration or application to the land.

The US EPA adopted regulations in 1993 (40 CFR Part 503, known as Part 503; US EPA, 1993; US EPA, 1994) that establish minimum standards that must be met if sludges are to be land-applied. 30 TAC 312 is the Texas legislative adopted version of Part 503. The regulations include concentration limits for nine metals and for pathogens. The regulations establish Class A sludges, which have been treated to essentially eliminate pathogens and Class B in which pathogens are reduced but still present.

Mystery Bug Of The Month



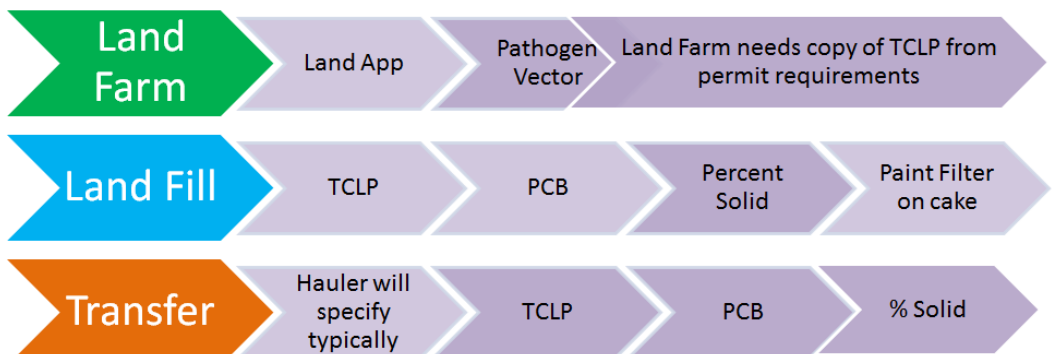
Can you guess what this is? Hint: Indicator of older sludge high MLSS, low F/M ratio or high MCRT.

Sludge Disposal

- ◆ Dewater the cake and send to landfill
- ◆ Wet haul your digester to a land farm beneficial use
- ◆ Move sludge to a transfer station for further processing
- ◆ Other options are incineration

Wastewater Permits detail sludge analysis, frequency and reporting in the Sludge Provisions section of your permit

Disposal Site Testing Analysis



Get Your Results **FAST** with Element ClientConnect

Continued on page 2

Follow us on Twitter @eastexlabs



Testing or Treatment Class A & B

Class A	Class B
Vector Sour <1.5 High %Solid > 75% 8 Further Treatment Options	Vector Sour <1.5 High %Solid > 75% 8 Further Treatment Options
Pathogen – Fecal <1000 or Salmonella <3mpn/4g plus enteric virus and helminth ova <1PFU/4g or 1 of 6 Additional treatment options	Pathogen - Fecal <2,000,000 or - Additional Treatment

Nutrients are used by Land Farm to calculate agronomic loading rates
Metals have ceiling concentrations set in Permit

What is Class A

Cleaner than Class B
More Commercial
Pathogen has lower limit
Do additional bacteria tests and or treatment processes

What is Class B

Higher Pathogen Limits
Lower Analytical Cost
Less treatment needed than Class A

Annual Sludge Report must include

- ◆ PCB mg/kg, metals
- ◆ TCLP pass or fail
- ◆ Dry Ton Calculations and amount of biosolids moved
- ◆ Also supplemental report will list Hauler ID, dates and locations of disposal, date of TCLP analysis. Most information comes from your haulers manifest and your lab reports largely dependent on your disposal option
- ◆ Reports may be filled out by a contractor

ALL facilities have to report sludge activity to TCEQ by Sep 30th - specified in permit, sludge provisions (older permits may be Sep 1st).

Collection of sludge analysis has to be done by end of July (watch turnaround time if sampling at the end of July)

TCLP required in life of permit or as directed by hauler, permit or land fill.



Thanksgiving schedule coming soon!

Call if you have questions about operation TG2015



Field Supervisor

Chris Wirzberg 936-653-3249

Field Techs Contact

Brian Sewell 936-827-3377

Wendy Willson 936-828-7209

Rico Valley 936-828-7205

Christopher Guinn 936-827-3378

Shawn Arnold 936-828-7208

Mark Bourgeois 936-828-7206

Lulia Galusha 936-828-7203

Cassie Tarron 936-788-4193



This newsletter is extracted from Eastex Environmental Laboratory Power Point Presentation. If you like to learn more about **Land Applications** or have questions, call Eastex Lab and speak to Daniel Bowen.

If you like Eastex Lab to send you **reminders** of when your TCLP, LandApp, P&V are due, please let us know.

Answer to

Bug Of The Month:

Nematode