



Biosolids Pathogen Certification Guidance

In general, to become certified for biosolids pathogen analyses, the laboratory must have certification for A, B, and C concurrently, or D by itself. There are many treatment options available for biosolids. The facility must determine which methods are applicable based upon: method of disposal, biosolid class and alternative, etc. Table 4-6, Part 503 Implementation Guidance, October 1995 includes additional methods, which may or may not apply to specific facilities.

- A. Biosolids sample preparation, EPA/625/R-92/013 Appendix F. This appendix includes how to perform biosolid calculations.
- B. Fecal coliform, SM 9221 C, E. Fecal coliform MPN procedure (strongly recommended) or SM 9222 D. Fecal coliform membrane filter procedure.
- C. Total solids, SM 2540 G. Total, fixed, and volatile solids in solid and semisolid samples.
- D. EPA methods 1680 and 1681 were approved in April 2007. These are standalone methods for fecal coliform in sewage sludge by LTB/EC (1680) or A-1 medium (1681). Biosolids preparation and total solids analysis are incorporated into these methods.

References:

EPA/625/R-92/013. Environmental Regulations and Technology: Control of Pathogens and Vector Attraction in Sewage Sludge (Including Domestic Septage) Under 40 CFR Part 503. Revised July 2003.

40 Code of Federal Regulations, Parts 136 and 503.

EPA 833-R-95-001. Part 503 Implementation Guidance, October 1995.

If you have questions regarding Biosolids, please contact the Laboratory Certification Office at (803) 896-0970.