WWTP residuals in MA managed by landfilling, incineration, or land application.

Land application has been an important option for beneficial reuse of biosolids in MA for many years.

Gathering more information on PFAS
Estimated Sludge Leaving WWTFs in 2018 = 180,800 dry tons

*Report funded by Massachusetts Clean Energy Center and developed by NEBRA. Final report expected soon.
MassDEP Residuals, Approvals of Suitability (AOS) per 310 CMR 32.00

- 310 CMR 32.00 Regulations for Land Application:
  - Classify Residuals for Land Application;
  - Include metals and PCB limits
  - Pathogen reduction (stabilization)

- AOS issued/renewed every 5 years
Approximately 140,000 dry tons applied to the land (MA) in 2018

29 AOS holders (both in-state and shipped from out of state)
- Wastewater treatment plant sludge
- Water treatment plant sludge
- Paper fiber product
As of January 1, 2019 all new or renewed AOS’s include annual PFAS monitoring for 9 PFAS compounds.

Require testing of solid product and liquid leachate using the Synthetic Precipitation Leaching Procedure (SPLP)

MassDEP must review and approve of the laboratory Standard Operating Procedures (SOPs)
Currently SOP’s from 1 laboratory approved for PFAS. SOPs for 2 others under review.

Approved SOPs

- MassDEP can share with facilities (AOS holders) the labs for which have approved SOPs
MassDEP is not currently working toward setting a limit for PFAS in residuals.

- Gathering Information
- Discussing with other states, facilities producing residuals, and NEBRA
- If MassDEP sets limits for PFAS in the future, this would be done through changes to the 310 CMR 32.00 regulations, which would include a public process
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