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MSW Landfill Leachate Management

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MEETING PROCESS

- Attendees wishing to ask questions or to make a comment may use the 'Chat' feature to type their remarks at any time during the presentation.
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- Questions will be answered as time allows at the end of the presentation.

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CLOSED CAPTION TEXT

- Captions can be turned on or off by clicking on the “CC” button in the bottom left corner of your computer screen.



- Please Note: Captions are machine generated text and we cannot guarantee accuracy.

You are invited to submit questions or comments. Please submit by June 28, 2023

By email:

SolidWasteRegulations@dec.ny.gov

Please include “Landfill Leachate” in the subject line of the email.

By mail:

Joseph O’Connell

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625 Broadway

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MSW Landfill Leachate

Division of Materials Management Panelists

Dave Vitale – Division Director

Rick Clarkson – Assistant Division Director

Joe O'Connell – Director, Bureau of Solid Waste Management

Jaime Lang – Section Supervisor, Solid Waste Planning, Combustion and Disposal

June 7, 2023

MSW Landfill Leachate

The New York State Department of Environmental Conservation is commencing a rulemaking to revise the 6 NYCRR Part 360 and Part 363 solid waste management facility regulations:

- applicable to currently operating municipal solid waste (MSW) landfills, which generate approximately 500 million gallons of leachate per year;
- require onsite disposal of landfill leachate;
- reduce the potential for downstream reintroduction of landfill leachate contaminants into the environment.

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- PFAS, 1,4-dioxane and other emerging contaminants are present in a large variety of products and goods and are distributed throughout the economy.
- Programs and initiatives are underway to reduce the amount of these compounds in products and goods that will ultimately become part of the waste stream
- Despite these efforts, for many years to come, these contaminants will continue to be present in solid waste and therefore at landfills.
- Landfills do not create the emerging contaminants found in their leachate

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MSW Landfill Leachate

- Landfill leachate has traditionally been sent for disposal at WRRFs;
- Where treatment at traditional receiving facilities may not target emerging contaminants, those contaminants may be reintroduced into the environment.
- Landfills are designed to contain that leachate so that it may be properly managed
- This allows contaminants to be removed from the concentration point that the landfill represents

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MSW Landfill Leachate

- Regulatory changes being considered:
 - 6 NYCRR 363-6 – design requirements
 - Address any design criteria and/or standards identified through the rulemaking process;
 - Revise option for adjusting minimum leachate storage based on an alternative leachate transport system;
 - Use of solidified leachate as alternative operating cover

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MSW Landfill Leachate

- Regulatory changes being considered:
 - 6 NYCRR 363-7 – operating requirements
 - Include performance-based requirements for disposal of leachate within the generating landfill in solidified form
 - Provision for other methods identified during rulemaking
 - Provision for acceptance of liquid waste that would be solidified prior to disposal

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MSW Landfill Leachate

- Regulatory changes being considered:
 - 6 NYCRR 363-4 – sampling requirements
 - Reduction of leachate sampling

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MSW Landfill Leachate

- Regulatory changes being considered:
 - 6 NYCRR 360.4 - Transition
 - Add language that new requirements must be met by a certain date;
 - This would be instead of being applicable only at the time of permit renewal or modification

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MSW Landfill Leachate – Seeking Feedback on:

- Leachate treatment/ solidification technology
- Operational changes to reduce leachate generation volume
- Considerations for leachate storage capacity
- The need for additional odor control measures
- Leachate sampling requirement adjustments
- Acceptance of leachate from other SWMFs for solidification
- Alternative operating cover adjustments
- Costs
- How and when to transition into the new requirements
- Time frame needed to implement
- How and when will the requirements change at the conclusion of waste acceptance?

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