

NEW JERSEY CLEAN AIR COUNCIL

<u>Clean Air Council Members</u> Maria Connolly, PP, AICP, Chair Richard Opiekun, Ph.D., Vice-Chairman Leonard Bielory, M.D. Michael Egenton Timothy Fekete Robert Laumbach, M.D.	<u>Clean Air Council Members</u> Toby Hanna, P.E. Stephen Milgrom Allen Weston John Valeri Jr., Esq. Adam Neuman Sharon Brown Kimberly Scarborough
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New Jersey Clean Air Council Meeting Record
 Meeting - Microsoft Teams

Wednesday, May 15, 2024

CALL TO ORDER	Maria Connolly opened the meeting.
COUNCIL MEMBERS PRESENT	All Council members were present.
ABSENT	
EXCUSED	Michael Egenton, Timothy Fekete, Toby Hanna, Robert Laumbach, Richard Opiekun
REPRESENTED	NOT APPLICABLE
GENERAL PUBLIC ATTENDEES	Peter Johnsamson and Amanda Taylor
NJ DEP Staff	Danny Wong and George Berdomas

Meeting Summary

- Maria Connolly called meeting to order, and roll was taken by George Berdomas.
- Danny Wong gave the NJDEP administrative report.
 - Are there any implications for the secondary standards being lower or above the primary standard making any difference in regulation or activities of the Department?
 - Does not impact the difference. NJ applies the rule to the entire state or any impact on implications.
 - Which communities were chosen?
 - They have not been chosen yet and NJDEP is waiting to receive funding. Available for anyone who wants to apply for it. Funding - \$36,920
- Peter Johnsamson presented Revolutionizing Organic Waste: Composting in 24 Hours.
 - Microbes are activated at a higher temperature of 110 degrees Celsius. End result of small compost left in these units then there will not be any microbes for it to be generated.
 - What is energy use?
 - Each facility will depend but for smaller units they have the measurements and test data on the compost. It is imperative because it is an energy intense process and decreases the footprint that people are concerned about. Goal is to go towards more sustainability with green power.
 - Trucks disposing food waste – Is this a process designed to accept waste from large food sources or normal garbage truck coming to these facilities?
 - Yes, normal trucks are coming into these facilities. Sweden built facilities to use the byproduct for energy as well.
 - Taking waste from a landfill and reducing the volume, does that affect the structure of the landfill to maintain solar?
 - Does not affect the structure of the landfill to reduce the footprint of the landfill for composting. Not taking it out of a specific area. Using methane gas for energy because they do leak overtime. Structural integrity of the landfill if it is fully closed then they would look at new designated land to their facilities to compost so they can repurpose the land. If they want to deconstruct the land, would have to work with the state engineers on how to move forward.
 - Natural composting is an exothermic reaction once it gets initial heating does that count for the efficiency in the facility?
 - They have it run through the chambers to generate and eat up the waste. They regulate and monitor the heat within the chamber. Modulating the external heat being added.
 - Maturation step in the compost explain.
 - For segregation of the materials. What they want to do is make sure the biodiesel and water are segregated within the facility. Must let it sit for 48 hours. 24 hours the composting is done and removing any other moisture related to it. It is ready for application and would like to have the state see this to see the final product.
 - Studies of the output to be used in farming?
 - It can be recycled in the agricultural world, and they have information they can send to the Council for the research conducted. Typically used in the facility and recycled back to the agricultural systems. It separates the composting. The deodorizing system is used in the beginning product from the truck. Nothing is added to the compost at the end.
 - How does it separate the plastic?
 - It can separate anything that is organic too. Trying to use Artificial Intelligence.

- Are they selling compost for profit?
 - They are repurposing it in some of the states especially in Australia in road waste and repurposing. The hotels are selling compost to the local community bagging and selling. Creates a workforce type of environment to facilitate individuals. Potential to see private companies use this product too. Companies are selling compost on Amazon, etc.
- Odor of the output?
 - Material that comes out does not smell at all.
- Council went over the Hearing Report Draft
- Old Business/New Business
 - No minutes were taken from April's Public Hearing Meeting.
- Motion to adjourn at 11:37 a.m. made by Leonard Bielory, John Valeri seconded.