

GROUNDWATER & WASTE MANAGEMENT COMMITTEE

**512 N. Salisbury Street
Archdale Building - Ground Floor Hearing Room
Raleigh, North Carolina**

**November 17, 2021
10:45 a.m. -11:30 a.m.**

Yvonne Bailey, Chairman, Presiding

In the event the previously scheduled committee meeting adjourns prior to the estimated adjournment time, the other committee meeting may be called to order, by the Chairman, fifteen minutes after the previous meeting adjourned.

This meeting will occur in the Ground Floor Hearing Room of the Archdale Building at 512 N. Salisbury St, Raleigh, NC. Commissioners, staff, and scheduled speakers will attend in-person. Limited seating will be available to the public. Face coverings are required for employees and visitors. Meeting audio and presentations will be broadcast via the state web conferencing link posted on the Environmental Management Commission website at <https://deq.nc.gov/about/divisions/water-resources/water-resources-commissions/environmental-management-commission>

I. Preliminary Matters

1. **Call to Order and Notice of NCGS § 138A-15**Chair Bailey

General Statute § 138A-15 mandates that the Chairman inquire as to whether any member knows of any known conflict of interest or appearance of conflict with respect to matters before the Commission. If any member knows of a conflict of interest or appearance of a conflict, please so state at this time.

2. Approval of minutes from Groundwater and Waste Management Committee (GWWMC) meeting September 8, 2021 ([attached](#)).

II. Information Item

1. **Adding Solar Panels as a Universal Waste**
(DWM) Jenny Patterson

The Division of Waste Management will provide information on adding solar panels as a universal waste. Universal waste is a subset of hazardous waste and applies to specific categories of waste that are commonly ("universally") generated by a wide variety of establishments and that would be a hazardous waste if disposed. Currently, federally and in North Carolina, the following categories of items are considered universal waste: batteries, lamps, mercury containing equipment, pesticides, and aerosol cans. The universal waste designation was created to encourage

recycling (instead of disposal) of these items. Universal wastes that are recycled have less stringent management requirements than hazardous waste. Adding solar panels as a universal waste in North Carolina is anticipated to increase the recycling options for this waste stream.

POWERPOINT PRESENTATION

[Attachment A - Solar Panel Frequent Questions](#)

[Attachment B - Solar Panel Waste Determination Flow Chart](#)

[Attachment C - Solar Panels as Universal Waste Pros and Cons](#)

[Attachment D - Solar Panels Comparison of Requirements when Non-Hazardous Waste, Hazardous Waste, and Universal Waste](#)

[Attachment E - Comparison of Baseline Hazardous Waste and Universal Waste Requirements for Solar Panels](#)

[Attachment F - NCDEQ H329 Final Report, January 1, 2021](#)

III. November 18, 2021 EMC Meeting Agenda Items

These items will be presented orally at the GWWMC meeting only upon a request by a GWWMC member and can be approved where required as a group.

1. Request Approval of Hearing Officer’s Report on Proposed Rule Amendments to 15A NCAC 02L .0202 “Groundwater Quality Standards” (DWR) Bridget Shelton
2. Request Approval of Hearing Officer’s Report, Regulatory Impact Analysis, and Adoption of Rule Amendments for 15A NCAC 02N “Underground Storage Tanks” (DWM) Ruth Strauss
3. Request Approval to Proceed to Public Notice and Hearing on Amendments to 15A NCAC 13B Rule .0832 “General Provisions” for Septage Management (DWM) Adam Ulishney

IV. Future Committee Interests

Upcoming Proposed Rules for the GWWMC (subject to change):

1. Proposed Amendments of 15A NCAC 13B rules for C&D and MSW Landfills to make changes required by S.L. 2021-153 and to make minor technical corrections (DWM)
2. Proposed Amendments of 15A NCAC 13A to add solar panels as a universal waste and to clarify hazardous waste requirements (DWM)
3. Proposed Readoption of 15A NCAC 02P Leaking Petroleum Underground Storage Tank Cleanup Funds (DWM)
4. Proposed Adoption of New Rules 15A NCAC 13B .2000 for CCR Landfills and Impoundments (DWM)

V. Closing Remarks.....Chair Bailey

Adjournment 11-17-2021