

October 3, 2022 *Consent Order Toxicity Studies – Status Update Frannie Nilsen, PhD DEQ Environmental Toxicologist* 



### **PFAS in North Carolina**

# Consent Order Paragraph 14 Study PFAS





Department of Environmental Quality

# Chemours Consent Order: Toxicity Study Details

The following studies, which shall be conducted following applicable USEPA, OECD protocols as defined in the USEPA TSCA, OPPT or other appropriate programs as determined by DEQ:

#### **Rodent Toxicity Studies:**

- 28-day oral immunotoxicity study in rats
- 28-day oral immunotoxicity study in mice
- 90-day repeated dose oral toxicity study in rats
- 90-day repeated dose oral toxicity study in mice

#### **Ecological Toxicity Studies:**

- Algal acute (72-hour growth) toxicity study
- Daphnid acute toxicity study
- Daphnid chronic (reproduction) toxicity study
- Fish acute toxicity study
- Sediment 10-day freshwater invertebrates toxicity test

**Rodent Studies**: mouse and rat; classic tox and immunotox

Aquatic Tox Studies: algae, zooplankton, fish, and sediment worms



## Current Status of Consent Order: Toxicity Study Review & Approval Process

#### **Toxicity Study Protocol Review Timeline**





# Current Status of Consent Order: Toxicity Study Review & Approval Process

#### Toxicity Study Protocol Review Timeline





#### Aug 1 2022 NC SSAB Meeting Slide

### Chemours Consent Order: Aquatic Toxicity Study Status



#### Oct 3 2022 Status

## Chemours Consent Order: Aquatic Toxicity Study Status



#### Aug 1 2022 NC SSAB Meeting Slide

### Chemours Consent Order: Rodent Aquatic Toxicity Study Status





#### Oct 3 2022 Status

## Chemours Consent Order: Rodent Aquatic Toxicity Study Status





# **Chemours Consent Order:** Proposed Timeline Moving Forward

Through Dec 2022:

- 1. Meet with Chemours regarding remining 3 aquatic toxicity protocol revisions
- 2. Approve remaining 3 aquatic toxicity protocols
- 3. Received and Review all 4 revised rodent protocols
  - Submit comments/questions to Chemours

Early 2023:

- 1. Review/approve rodent protocols
- 2. Receive timelines and work plans for approved toxicity experiments to begin



# Thank you



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