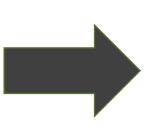


Feb 08, 2023 *Consent Order Toxicity Studies – Status Update Frannie Nilsen, PhD DEQ Environmental Toxicologist*



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

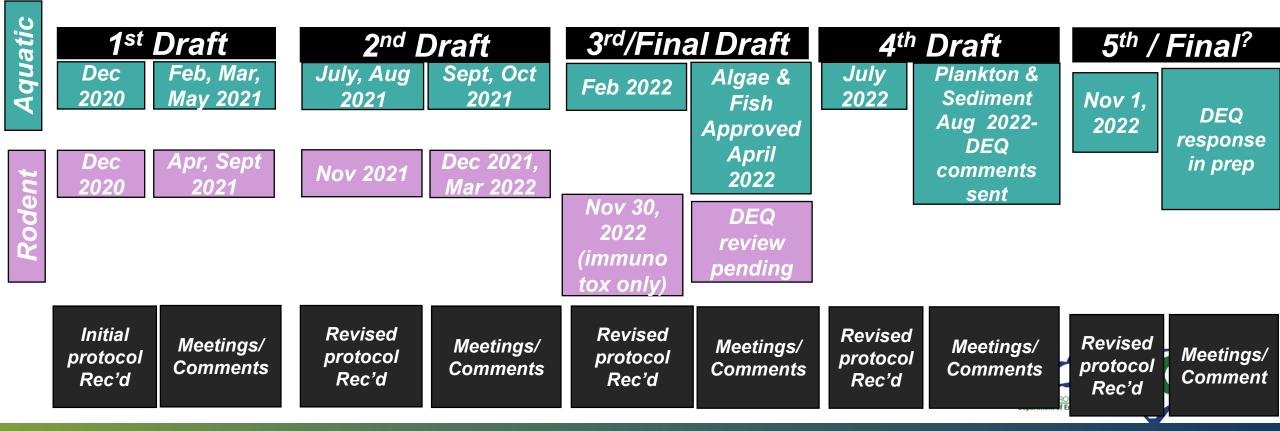
Rodent Studies: mouse and rat; classic tox and immunotox

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



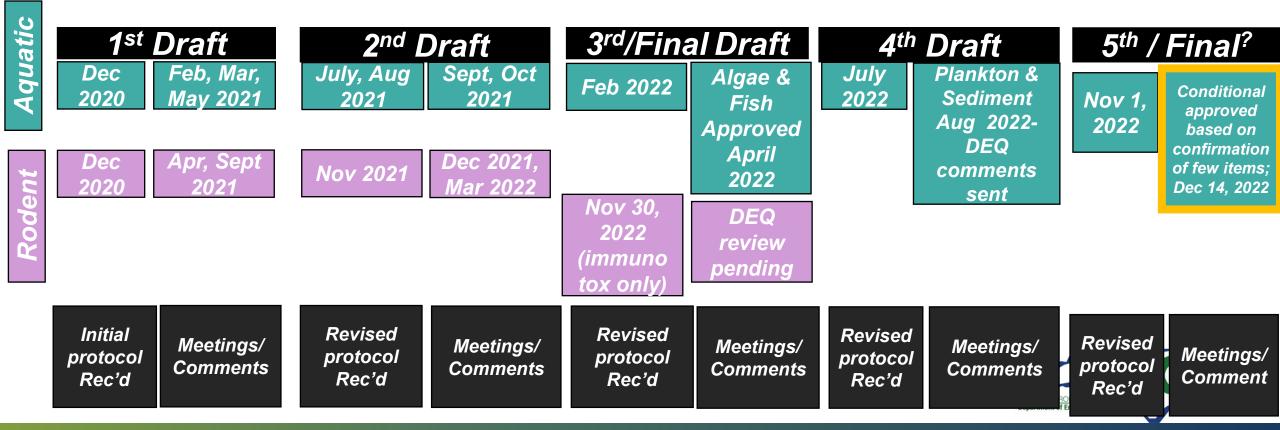
Current Status of Consent Order: Toxicity Study Review & Approval Process

Toxicity Study Protocol Review Timeline



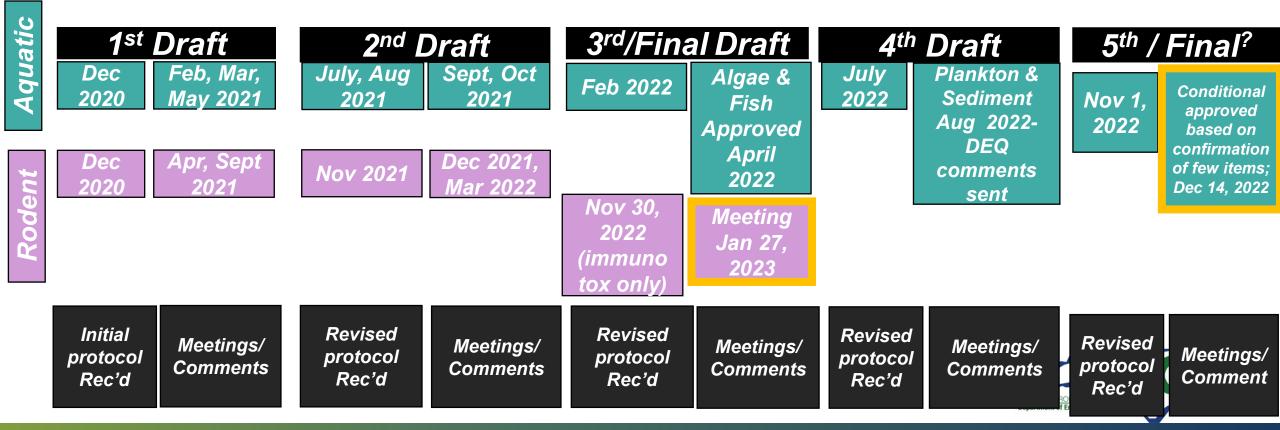
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Toxicity Study Protocol Review Timeline



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

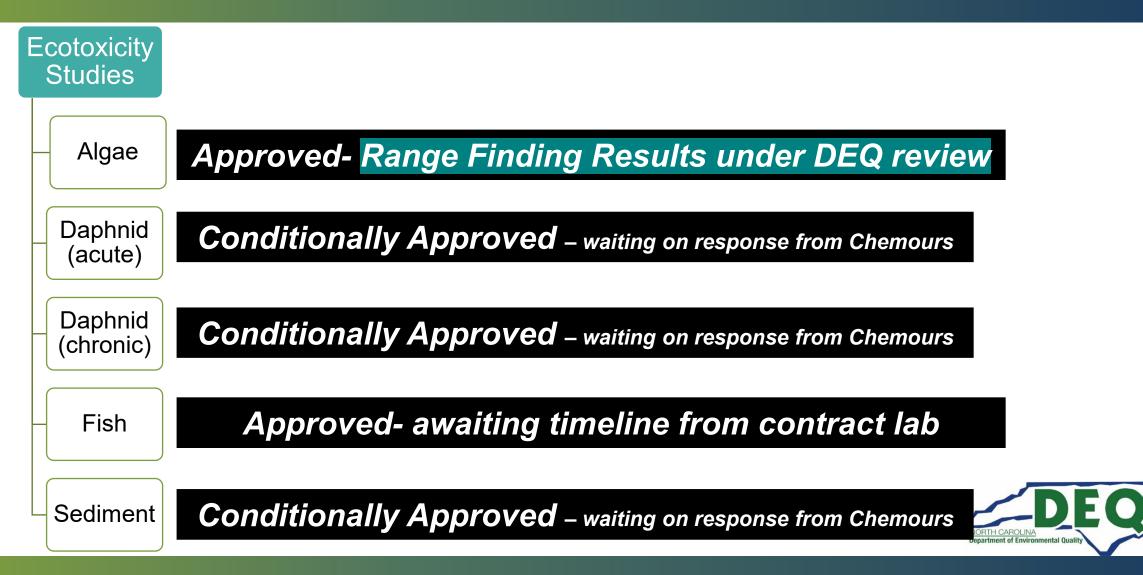
Toxicity Study Protocol Review Timeline



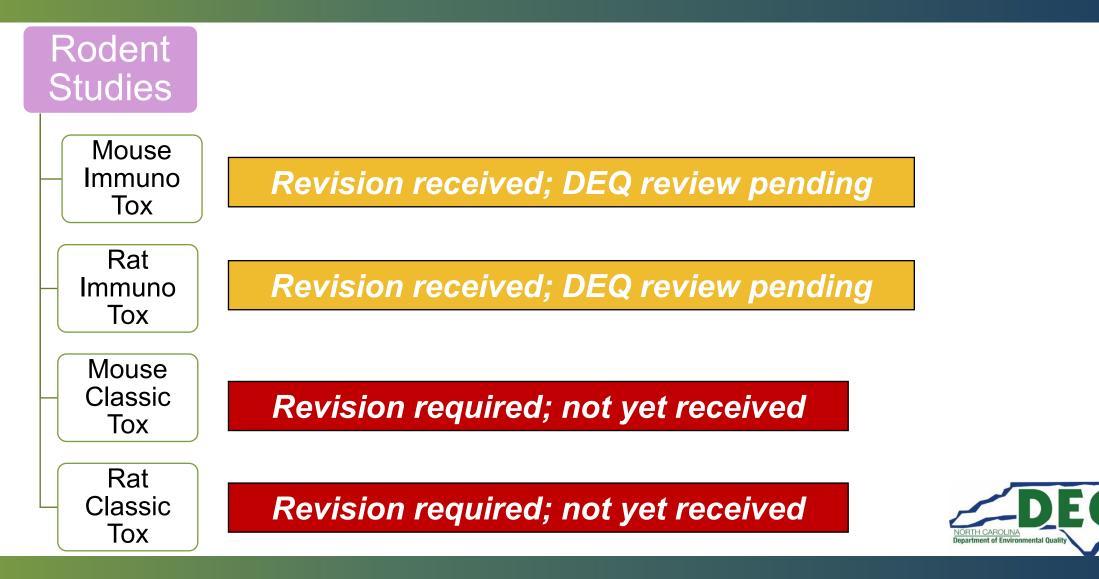
Chemours Consent Order: Aquatic Toxicity Study Status



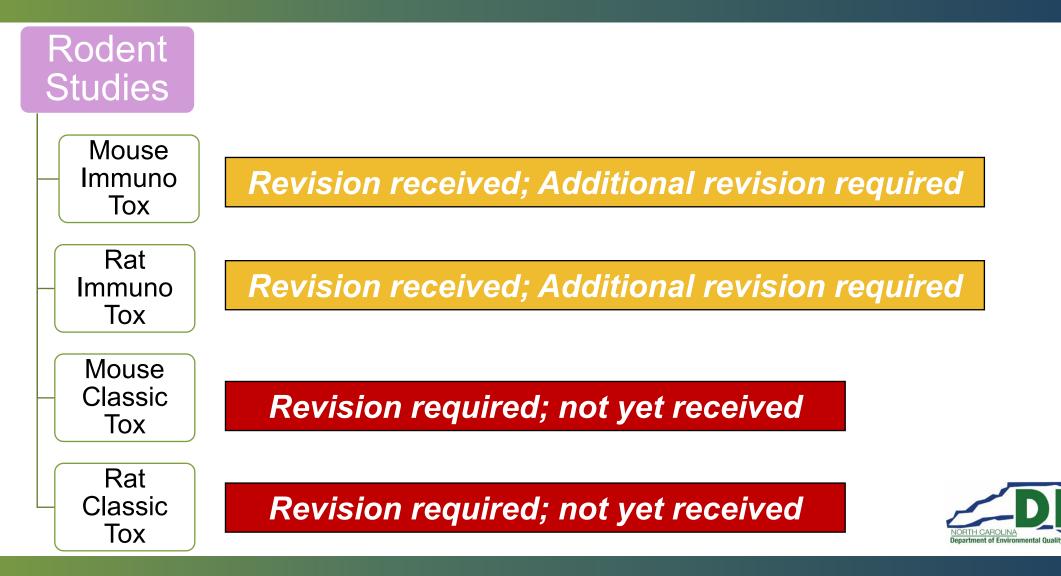
Chemours Consent Order: Aquatic Toxicity Study Status



Chemours Consent Order: Rodent Aquatic Toxicity Study Status



Chemours Consent Order: Rodent Aquatic Toxicity Study Status



Chemours Consent Order: Proposed Timeline Moving Forward

Currently:

1. Rodent Immunotoxicology -

- Waiting for revision based on Jan 27, 2023, Meeting
- 2. Receive timelines and work plans for approved ecotoxicity experiments to begin
 - Currently reviewing Algae range finding data; discussing with Chemours

Early 2023:

- 3. Receive and review revised 90-day rodent protocols
 - Meet with Chemours and third-party lab
 - Submit comments/questions to Chemours

4. Approve rodent protocols?



Thank you



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Department of Environmental Quality