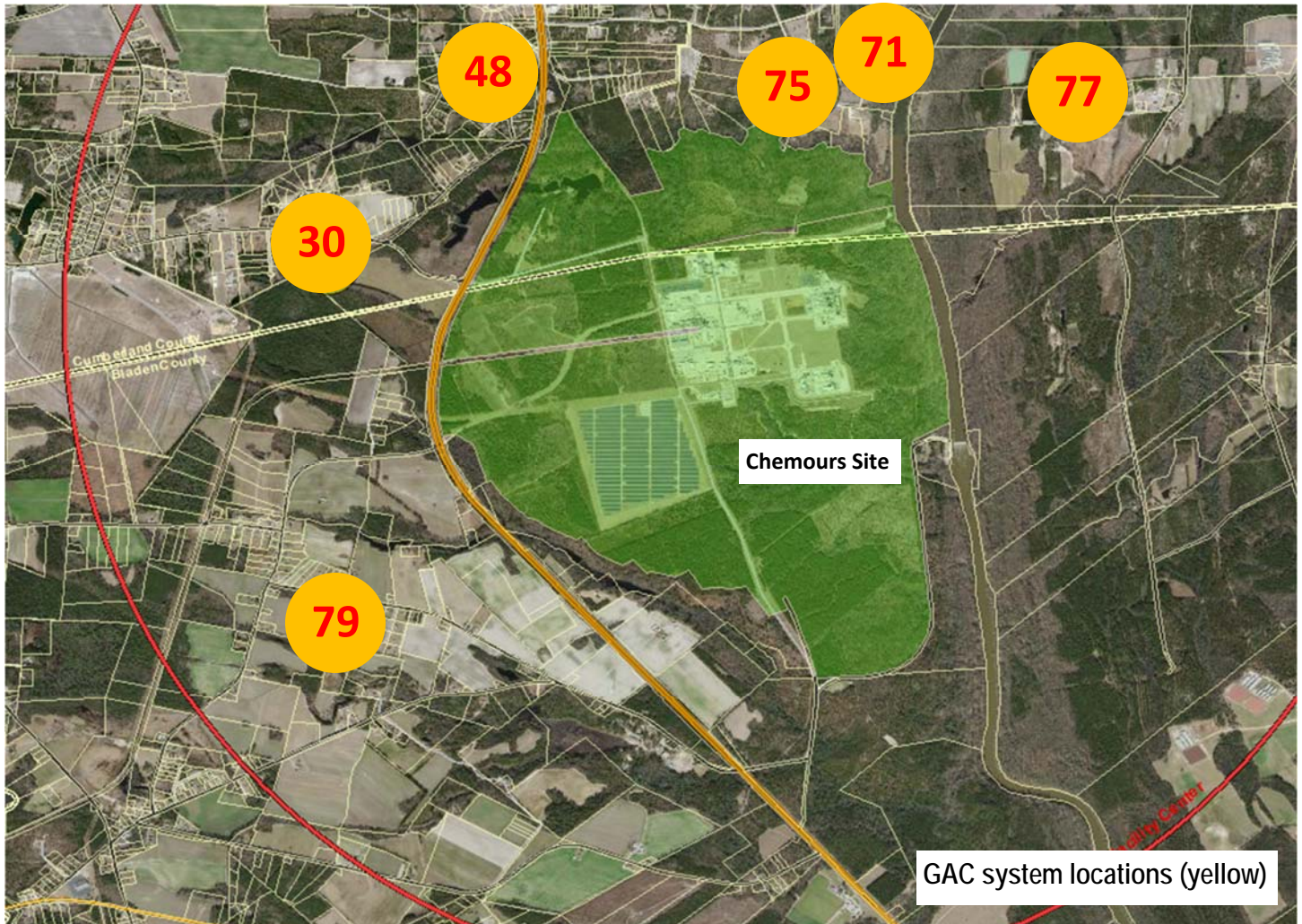


N.C. Department of Environmental Quality  
Division of Waste Management

## GAC System Pilot Study



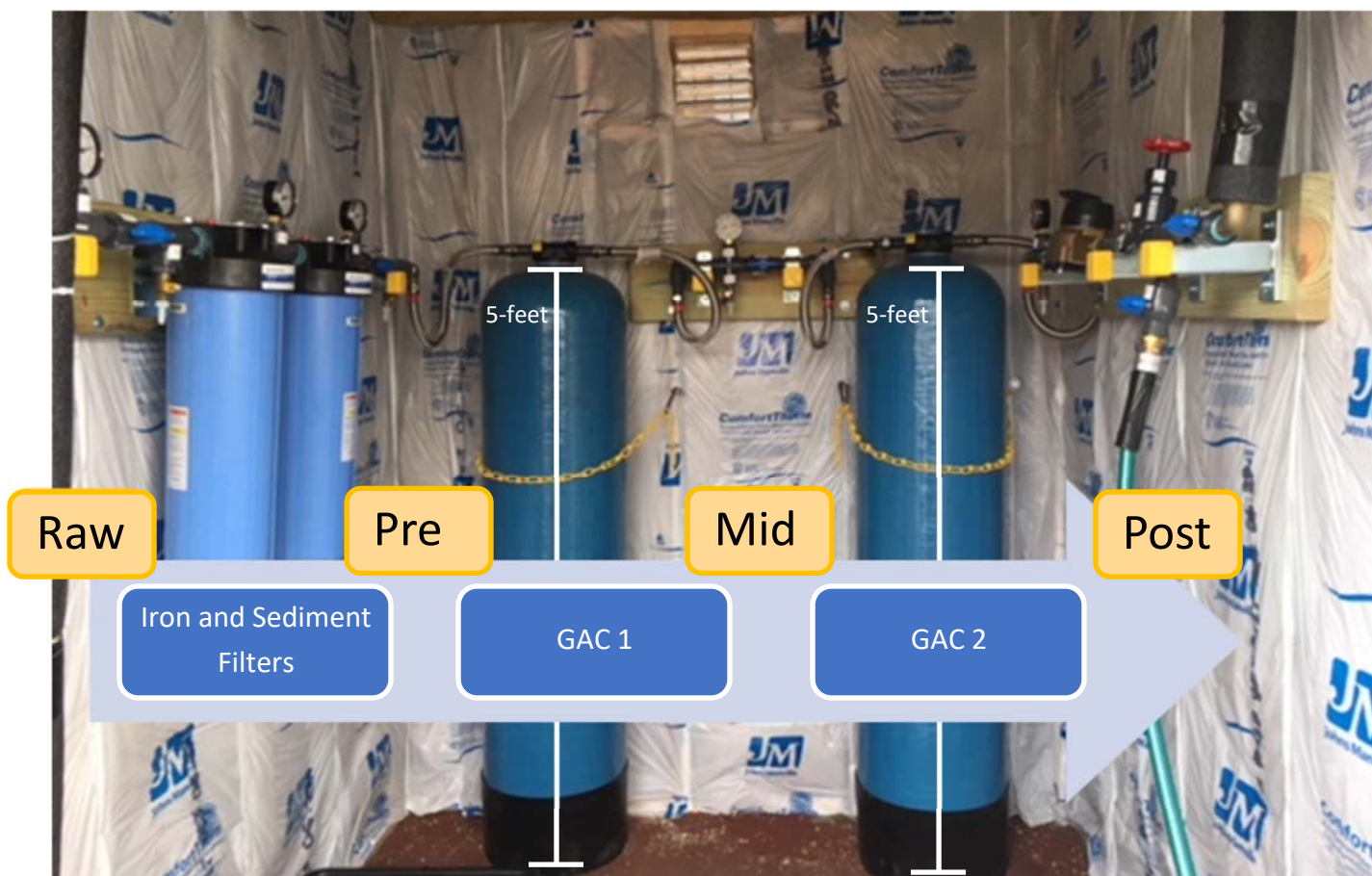
- Chemours submitted a proposal to DEQ to install granular activated carbon (GAC) filtration systems for home wells with GenX at or above 140 ng/L (ppt).
- DEQ requested a pilot study of six homes to determine system effectiveness and maintenance needs.
- GAC systems were installed by April 20, 2018. Samples are analyzed for GenX and 32 other PFAS compounds.

<https://deq.nc.gov/news/hot-topics/genx-investigation>



# N.C. Department of Environmental Quality Division of Waste Management

Image below shows a GAC system in a shed, including sampling points.



Sampling of pilot study GAC systems began in May 2018. Samples are collected at three sampling points: **raw**, **mid** which is after the first GAC filter, and **post** which is after the second GAC filter.

GenX in untreated (raw) water at these sites ranges from 159 to 1,910 ng/L (ppt). Water usage ranges from 450 to 2,500 gallons/week.

When PFAS are detected at the **mid** point, it is called breakthrough, which will help determine filter life, maintenance schedules and monitoring schedules.

DEQ will continue to sample the pilot study GAC systems to determine maintenance, monitoring schedules and breakthrough.

Sample results are posted online at: <https://deq.nc.gov/news/hot-topics/genx-investigation/groundwater>.