

Falls lake Nutrient Management Strategy

Interim Alternative Implementation Approach (IAIA)

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Falls Lake Regulatory Requirements

- ❖ Address impairment related to excess nutrients
- ❖ Attain and maintain water quality standards
- ❖ Protect designated uses



Upper Neuse River Basin Association (UNRBA)

UNRBA: Collaboration promoting innovative approaches to water quality planning and management.



- ❑ 770 sq mi
- ❑ 6 Counties
- ❑ 6 Municipalities
- ❑ South Granville Water and Sewer Authority

Source: Upperneuse.org

Falls Lake Rules Timeline

Falls Lake Rules Adopted

UNRBA initiates Rules Reexamination



New Development Stormwater Rules Adopted



UNRBA Monitoring



Wake BOC Approval of IAIA



NC EMC Approval of IAIA



State initiates Phase 2 Rule Readoption Process



IAIA End Date

State Rules Review

Interim Alternative Implementation Approach (IAIA)

Goal Alignment

- **BOC GS 3:** Preserve and protect a clean and abundant water supply
- **PLANWake:** Healthy and Active; Sustainable and Vibrant



Interim Alternative Implementation Approach (IAIA)

Wake County Self-Funded

Conservation projects

In-kind program initiatives

ILA Joint Funding

ILA with member jurisdiction

Local Organization Funding

Land conservation organizations

Soil and Water Conservation
Districts

Pooled Project Fund

Regional project opportunities

Interim Alternative Implementation Approach (IAIA)

- ❖ November 2020: Wake BOC Approval
- ❖ July 1, 2021: IAIA Implementation
- ❖ September 2022: NC Environmental Management Commission Approval

Interim Alternative Implementation Approach (IAIA)

Member	Annual Funding Level	Member	Annual Funding Level
Town of Butner	\$23,393	Town of Hillsborough	\$34,221
City of Creedmoor	\$16,926	Orange County	\$161,943
City of Durham	\$337,587	Person County	\$114,394
Durham County	\$133,300	City of Raleigh	\$466,081
Franklin County	\$19,058	Wake County	\$88,968
Granville County	\$100,453	Town of Wake Forest	\$13,692
Town of Stem	\$11,605		

\$1.5 million Water Quality Investment

Project Implementation

Wake County IAIA Committee

- Facilities, Design & Construction
- Parks, Recreation & Open Space
- General Services Administration
- Planning
- Soil & Water Conservation
- Environmental Services

Project Implementation

Did you know?



Falls Lake is an important water resource for Wake County.

It provides flood control, drinking water supplies, fish and wildlife habitat, and recreation opportunities.



Septic system owners are wastewater plant managers.

Properly maintained septic fields protect water quality and save you money on unnecessary repairs from septic failures.



¿Sabías?

Falls Lake es un recurso hídrico importante para el condado de Wake.

Proporciona control de inundaciones, suministro de agua potable, hábitat de peces y vida silvestre y oportunidades de recreación.



Los propietarios de sistemas sépticos son administradores de plantas de aguas residuales.

Los campos sépticos debidamente mantenidos protegen la calidad del agua y le permiten ahorrar dinero en reparaciones innecesarias de fallas sépticas.



5 tips to protect your family, your septic system and our community's water quality:

- 1** Pump out your tank every three to five years, depending on how much water you use. Clean your filter at least once a year.
- 2** Avoid putting too much water into the septic system; typical water use is about 50 gallons per day for each person in the family.
- 3** Keep vehicles off your drain field. Don't drive or park on the system.
- 4** Keep grease and cooking oils out of the sink drain. Only use products marked safe for septic systems and avoid flushing non-biodegradable materials down the drain.
- 5** Prune and maintain any plants that grow on and around your drain field. Overgrowth can damage your system.

wakegov.com/SepticMaintenance

5 consejos para proteger a su familia, su sistema séptico y la calidad del agua de nuestra comunidad:

- 1** Bombee su tanque cada tres o cinco años, dependiendo de la cantidad de agua que use. Limpia tu filtro al menos una vez al año.
- 2** No ponga demasiada agua en el sistema séptico; el uso típico de agua es de aproximadamente 50 galones por día para cada miembro de la familia.
- 3** Mantenga los vehículos fuera de su campo de drenaje. No conduzca ni se estacione en el sistema.
- 4** No vierta grasa o aceite de cocina por el desagüe del fregadero. Utilice únicamente productos marcados como seguros para sistemas sépticos y evite tirar materiales no biodegradables por el desagüe.
- 5** Poda y mantenga las plantas que crecen en y alrededor de su campo de drenaje. El crecimiento excesivo puede dañar su sistema.

wakegov.com/SepticMaintenance

Project Implementation

Northern Wake Fire Station #2 Feasibility Study



Project Implementation



Beaver Dam Creek Conservation

Project Implementation

In-Kind Investments

- Stormwater Control Measure (SCM) inspections
- Onsite wastewater system complaint investigation and repair
- Blue Jay Point education and outreach

Falls Lake Rules Timeline

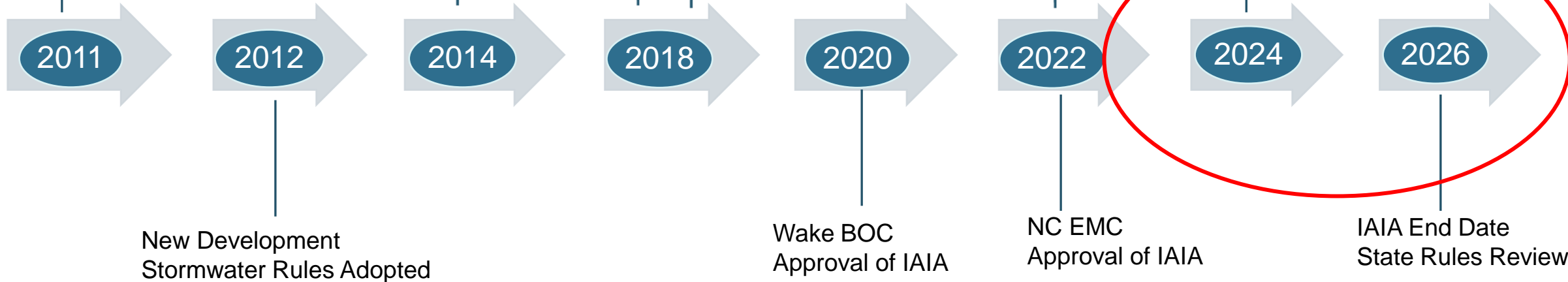
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UNRBA Monitoring

Modeling

State initiates Phase 2 Rule Readoption Process





Questions?