

- There are **TWO** byproducts of Reclamation

- **Liquids**

- Treated effluent is cleaner than the water in the stream

- **Biosolids**

- Nutrient-rich byproduct of Wastewater Treatment

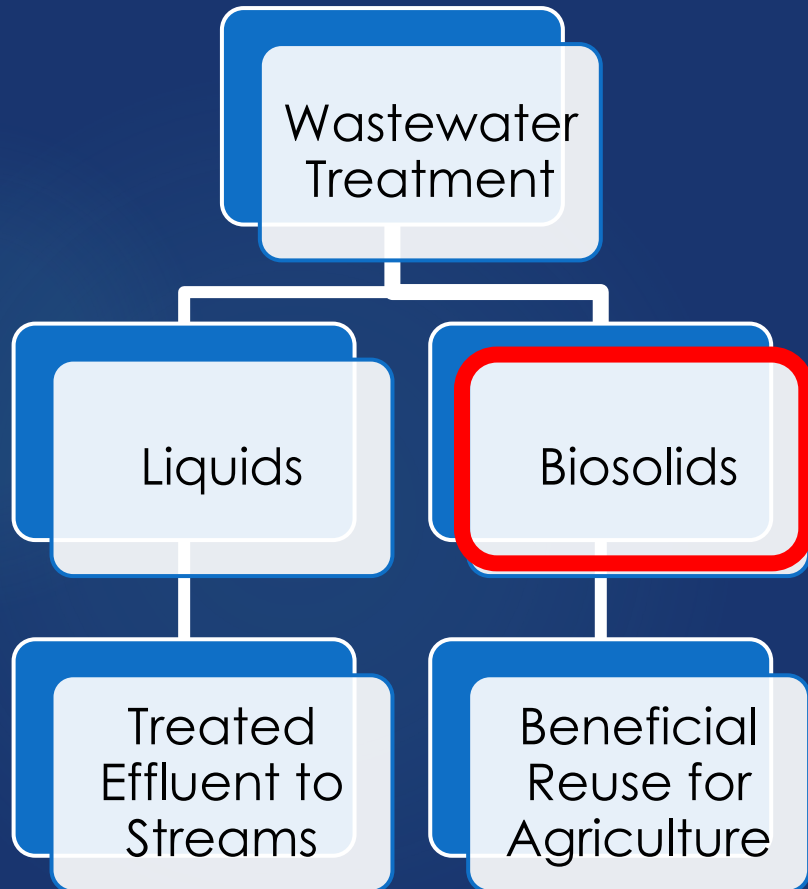
- Reused for Agricultural Purposes

1



Beneficial Reuse

“reusing a waste material that would otherwise be discarded”



Biosolids at Cary

Our **Biosolid's** program is

- Utility Wide
- Independent
- High Quality
- Cost-effective
- Robust



Biosolids Process Schematic

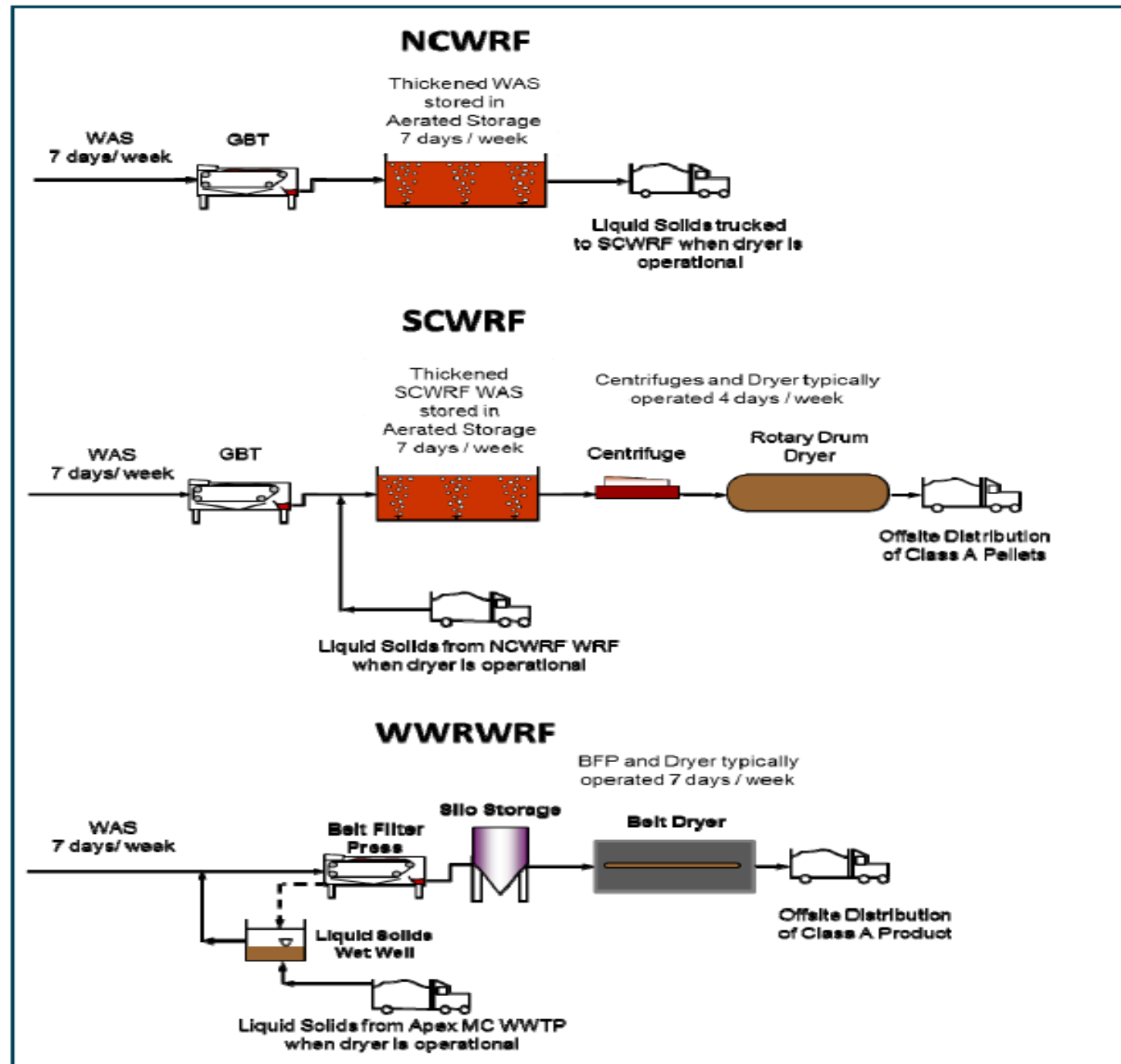
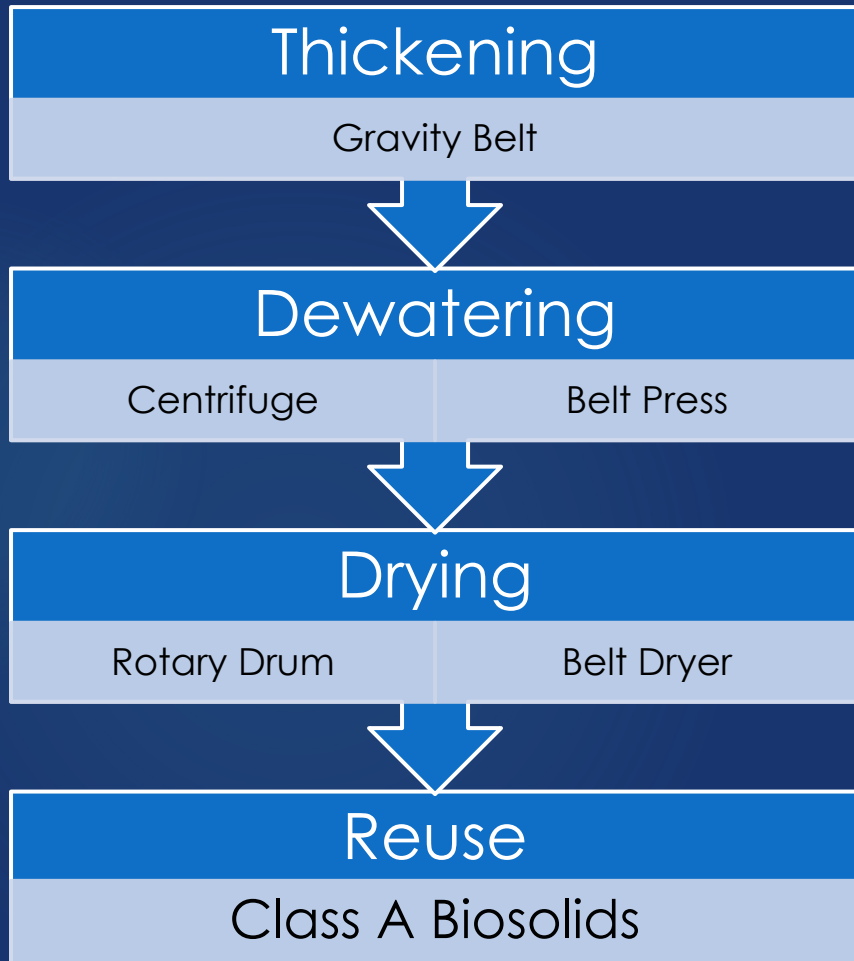


Figure 4: Normal Biosolids Management Operations after Start-Up of WWRWRF

NCWRF and SCWRF Biosolids Thickening



SCWRF Biosolids Dewatering

- Centrifuges prior to drying
- Increase Solids Concentration to 18% to 20% solids



SCWRF Drying Facility

- Began Operating in late 2005
- Supports Biosolids processing needs for both SCWRF & NCWRF



WWRF Biosolids Thickening and Dewatering

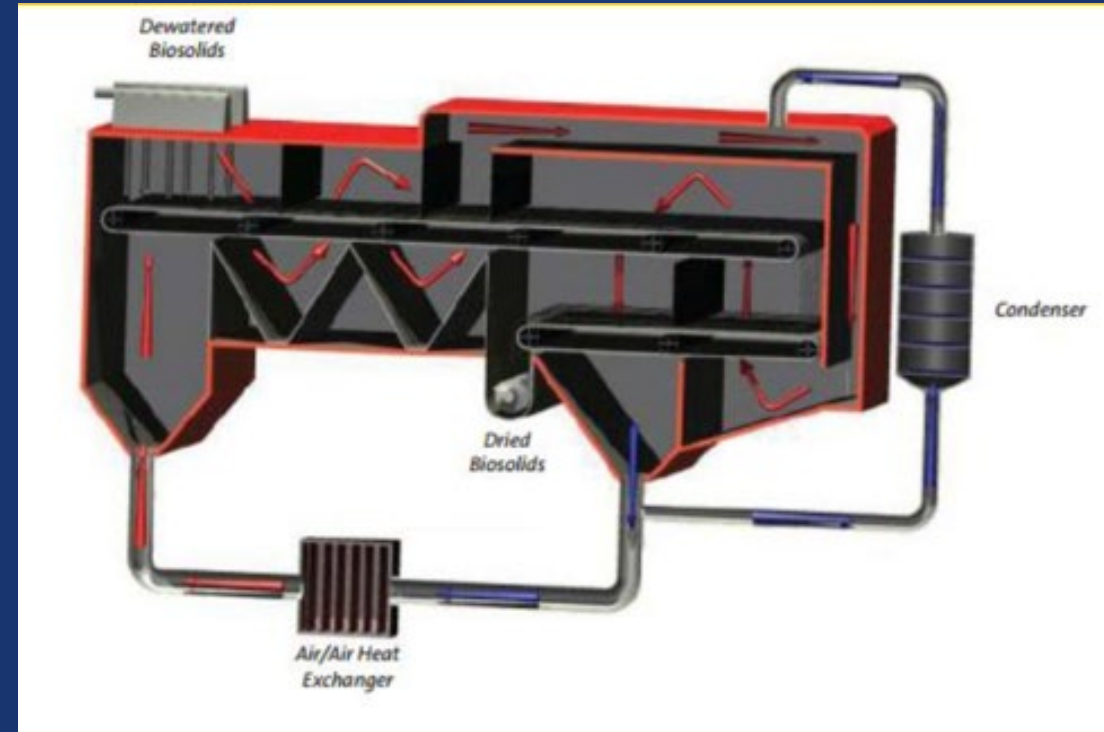
- Combination Gravity Belt Thickening and Belt Filter Press dewatering prior to drying
- Increase Solids Concentration to 16% to 18% Solids



WWRWRF Drying Facility



- Began Operating in late 2014.
- Supports Biosolids Processing Needs for Both WWRWRF Service Area and Apex.



SCWRF & WWRWRF Biosolids Beneficial Reuse



- Biosolids Pellets
- Class A, Exceptional Quality
- Sold to Soil Plus and Marketed to Agri-Business applications

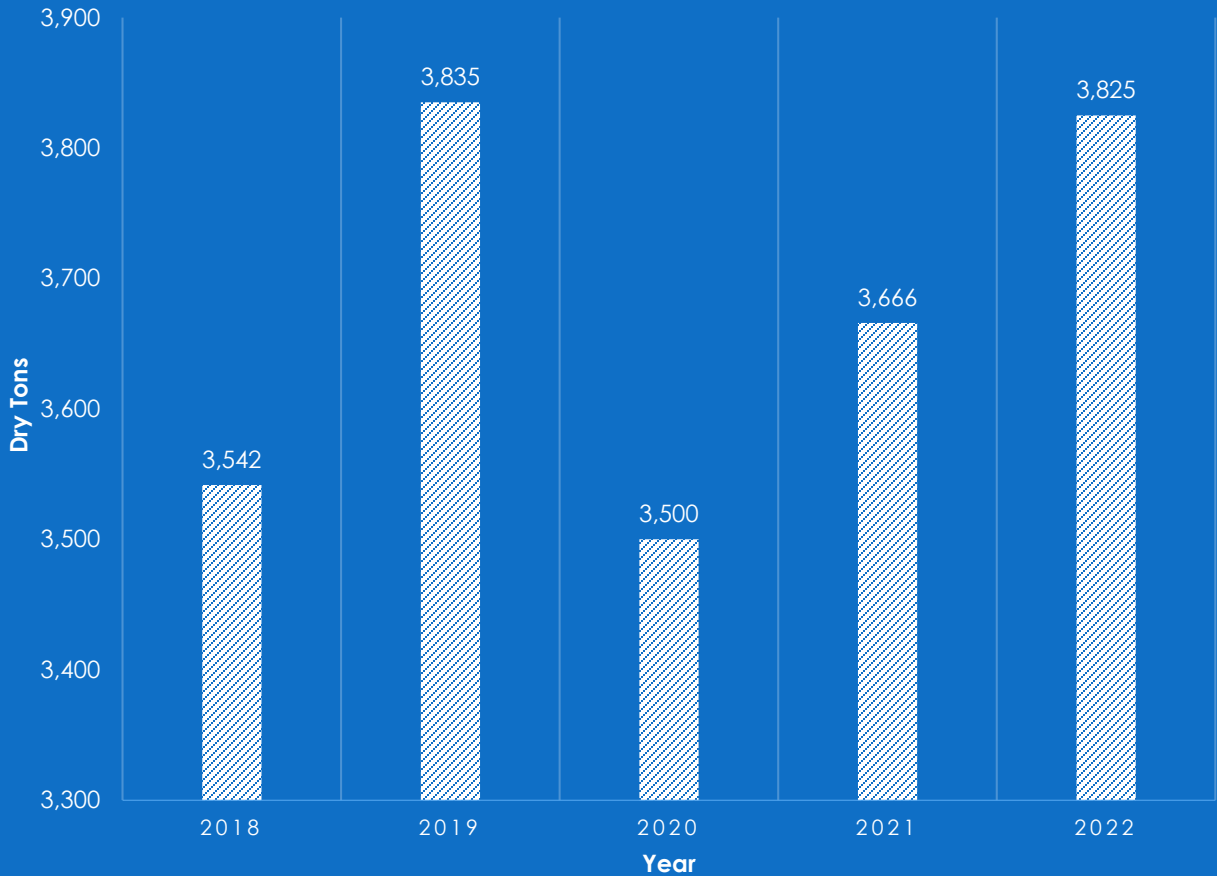
TOWN of CARY

Enviro Gems

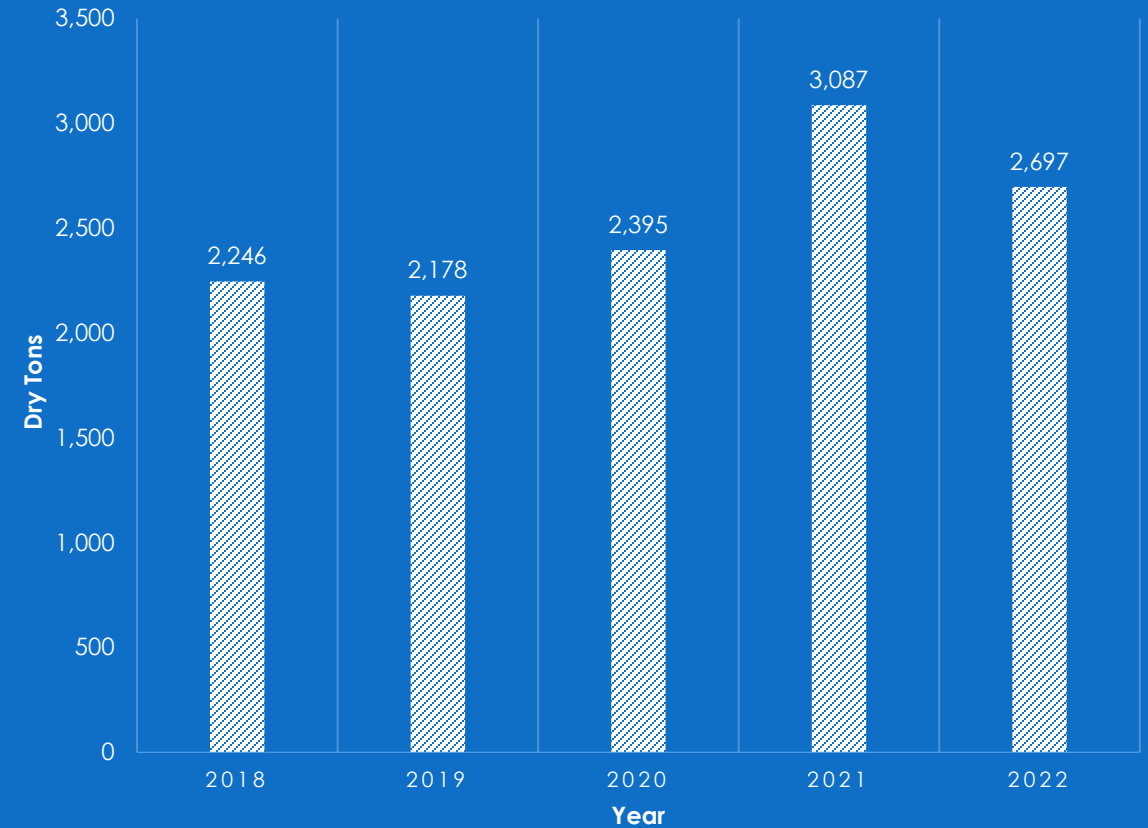
A High Quality, Environmentally Responsible Soil Amendment
Created Through 21st Century Biosolids Processing

Annual Biosolids Processed

SOUTH CARY DRYING FACILITY ANNUAL BIOSOLIDS PROCESSED



WESTERN WAKE REGIONAL DRYING FACILITY ANNUAL BIOSOLIDS PROCESSED



South Cary WRF

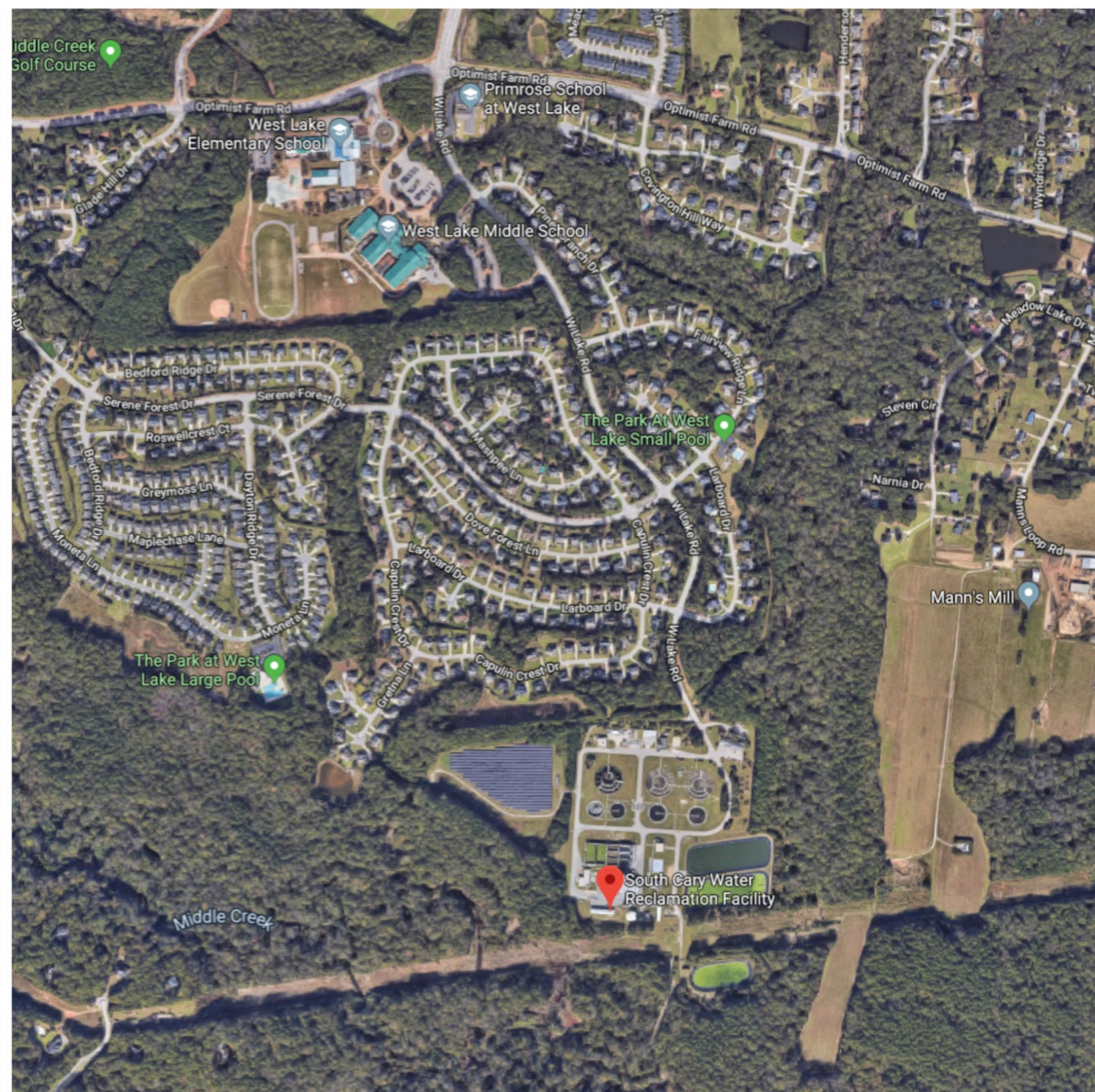
1989 opens at 6.4 MGD, now 12.8 MGD



2000



2023



South Cary WRF

1989 opens at 6.4 MGD, now 12.8 MGD



TOUR TIME!