

# St. Charles Parish

---

**Wastewater**

2-22-2021

David deGeneres



- 
- The Department of Wastewater maintains and operates all Parish owned sewerage facilities and properties which include collection systems, treatment systems and buildings to develop a comprehensive parish wide sewerage management system to include future planning and growth.

# GOALS OF THE WASTEWATER DEPARTMENT

---

- Prevent public health hazards.
- Minimize inconveniences to services
- Prevent unnecessary damage to public and private property
- Prevent excessive expenditures for claims and legal fees
- Minimize nuisance odors
- Minimize energy consumption
- Be efficient using funds available for systems operation
- Minimize infiltration and inflow
- Eliminate plant shutdowns and discharge violations
- Continue safe operations

# Accomplishments of 2020, Projects

---

- New Generator at Marino L/S
- Destrehan Plant – Replace 3 drive units for Effluent pumps
- Started Master Wastewater Plan –Phase 1 complete and working on Phase 2
- Increased discharge piping (RR crossing) for Antonine L/S Luling

# Telemetry

---

East Bank; 84 Lumber, 4<sup>th</sup> Street, CC1, Charlestown, Country Cottage, Houmas, Linwood, Marino, Montz, Montz Booster, New Sarpy Ballpark, Norco, River Oaks, Rue Landry, South Destrehan, Turtle Pond, Villere Clubhouse  
Total 17

West Bank; Antoine, Ashton, Bamboo, Bayou Gauche, Boutte Booster, Bourg, Boot Legger, Courthouse Lane, Hackberry, Hahn St., Hwy. 3127, Jail House, JB Green, Killona, Lincoln, Nick's, Paradis, Rogers Lane, Ama, Barton Ave., Beaupre, Boutte Bank, Brickwall, Kennedy, Lakewood CC, Lakewood Extension, Mimosa School, Pats Court, Prim Rose, St. John  
Total 30

# DESTREHAN WWTP

---



# PLANT STATUS

---

- DESTREHAN WWTP Operating per design
  - Treated 1.2 Billion gallons
  - Hauled 2206.38 tons sludge to the landfill

# HAHNVILLE WWTP

---



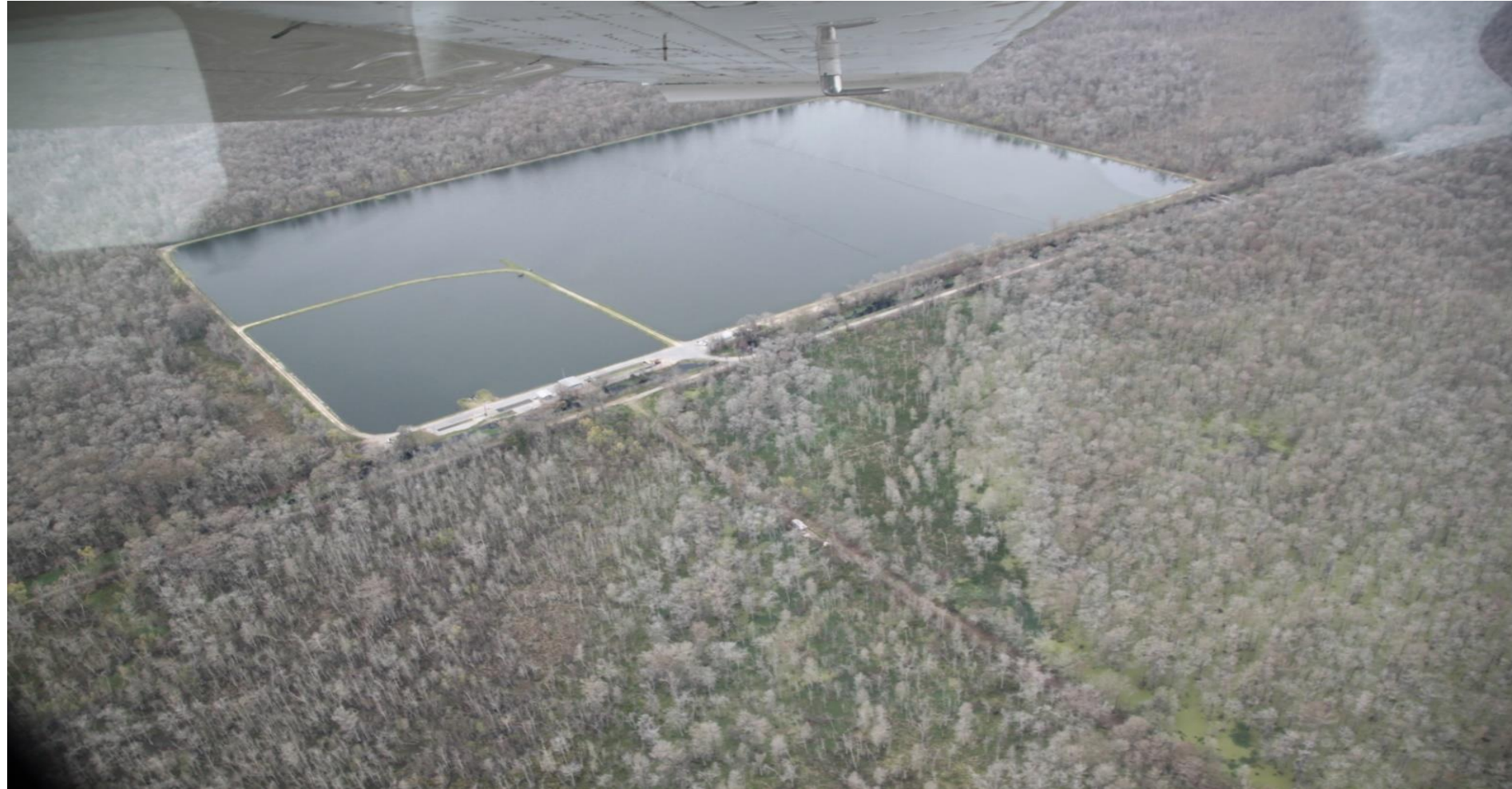
# PLANT STATUS

---

- HAHNVILLE WWTP Operating per design
  - Treated 0.97 Billion gallons
  - Hauled 849.59 tons sludge to the landfill

# LULING OXIDATION POND

---



# Luling Pond Construction

---



# PLANT STATUS

---

- LULING OXIDATION Operating per design
  - Treated 0.84 Billion gallons
  - There is no sludge hauled from the pond
  - This is our wetlands assimilation project

# TOTAL TREATED WASTEWATER

---

Total sewerage Treated =  
3.01 billion gallons

Total sludge hauled =  
3,055.97 tons

# Work Orders – Complaints 2020

---

- Processed – 1748
- Completed – 1667
- 95% completion rate
- Total complaints handled 651
- Total resident problems 112

# Request For Service 2020

---

- Engineering staff processed and approved for tie-ins to the sewer
  - 148 Residential
  - 20 commercial developments

# Certification Licenses – 2021

---

- Required by the Louisiana Department of Health
  - 41 hold licenses
  - 28 hold licenses in 2 categories (collection & treatment)
- By Class
  - 27 – Class 4
  - 13 – Class 3
  - 14 – Class 2
  - 13– Class 1

# Look Ahead For 2021

---

- Destrehan Plant – UV Replacement (45%)
- Luling Pond Upgrades (15%)
- Lone Star Sewer Rehab.
- Boutte Booster L/S – Replace Drive units
- Destrehan Plant – Replace Drive units for influent pumps
- St. John L/S – Replaces access hatches in roadway
- Hahnville Plant – Replace diffuser assemblies in Clarifier
- Luling Pond Effluent Discharge – Engineering Design
- St. Rose Phase 2 – Engineering design
- Sewer Master Plan – Complete Phase 2 and move to Phase 3
- Permit renewal – All Plant permits expire in October
- Telemetry – 8 to 12 additional stations to add in 2021