

# Rock River Water Reclamation District

Larry McFall

Plant Operations Manager

[lmcfall@rrwrd.dst.il.us](mailto:lmcfall@rrwrd.dst.il.us)





Rock River  
Water  
Reclamation  
District

**Wastewater  
Treatment Plant**

**3333**

1400 S  
Sandy Hollow Rd

# Statistics

- 1,100 Miles of Sewer
- 33.9 MGD Influent
- 7 Communities
- 75,000 Accounts
- 240,000 Connected Population



# Statistics

- Effluent
  - 0.1 mg/l Ammonia
  - 3 mg/l TSS
  - 5 mg/l CBOD



# Bio-Products

- Electricity
  - 410 MWhr/Month
  - \$33,000/Month
- Heat
  - 4.5 Million BTU/hr each Engine
  - Process Heat for Digesters
  - Building Heat



# Bio-Products

- Biosolids (Fertilizer)
  - Apply 17,000 wet Tons Annually
  - 1,700 Acres of Farmland Annually
    - Corn
    - Wheat
    - Soybeans
  - Fertilizer Value of \$85/acre

