

# Research Cottrell Cooling, Inc.



*... offering custom solutions for the full spectrum of cooling tower applications.*

*[www.rc-cooling.com](http://www.rc-cooling.com)*



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# Company Background

- RCC is a wholly owned subsidiary of Hamon Corporation, worldwide leader in the cooling tower industry.
- North American operations based in Somerville, NJ.
- Currently erecting two of the largest natural draft cooling towers in North America for Plant Vogtle Units 3&4.
- Active member of Cooling Tower Institute



# Services Offered

- Design, supply and construction of both mechanical and natural draft cooling towers
- Repair and repack of both mechanical and natural draft cooling towers
- Inspection of existing towers; evaluation of performance; recommendation for upgrades
- Supply of spare parts
- Concrete inspections and repairs thru sister company Hamon Custodis, Inc.
- Design and supply of Air Cooled Condensers (ACC's) thru sister company Research Cottrell Dry Cooling, Inc. (RCDC)



# Design Considerations for Cooling Towers

- Mechanical Draft vs. Natural Draft
- CrossFlow vs. CounterFlow
- In-Line vs. Back-to-Back configuration
- Splash Fill vs. Film Fill
- Design Conditions (heat load, approach to ambient wet bulb, recirculation effects)
- Materials of Construction
- Plume Abatement (Wet/Dry Hybrid Tower)
- Drift Rate
- Noise Abatement
- Fire Protection

