

NIAGARA BLOWER SOLUTIONS

What is WSAC®?

The Wet Surface Air Cooler is a closed-loop, evaporative cooling system.

Wet Surface Air Coolers are optimized for industrial applications where rugged design/fabrication and cost effective efficient closed-loop cooling/condensing are required.

Applications:

Liquid Cooling
Gas Cooling
Vapor Condensing

Industries:

Refining
Power
Wastewater
Pulp & Paper
Metals
Mining
Food/Beverage

CASE STUDY

NIAGARA WSAC® AS QUENCH PELLET WATER COOLER FOR COOLING POLYMERS

Customer: **POLYMER PRODUCER**
Installation Location: **WESTLAKE, LA**
Application: **EXTRUDED POLYMER COOLING**

THE CHALLENGE A polymer producer needed to cool the quench water for their plastic pellet extruding process without allowing pellet contamination to disrupt or compromise the performance of the quench water cooler.

THE SOLUTION Use a custom Niagara Wet Surface Air Cooler® with cleanable coils, large orifice spray system, and access package to handle contamination and allow easy inspection and maintenance.



SPECIFICATIONS AND WSAC® BENEFITS

- Cools approximately 3500 gpm to 100°F
- Cleanable coils with removable headers, 304SS
- Cast-iron spray pumps with valve-isolated basket strainers
- Large orifice spray system with ¼-turn removable nozzles
- Removable 304SS casing panels
- Access walkway platforms over coils with ladders



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