

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

CANADIAN MINE COOLER IMPROVED EFFICIENCY FOR GLYCOL COOLING

Customer: **PCS**
Installation Location: **NEW BRUNSWICK**
Application: **GLYCOL COOLING**

THE CHALLENGE Engineer an efficient, cost effective heat exchanger for glycol service.

THE SOLUTION Build a modular Wet Surface Air Cooler (WSAC®) capable of operating in the harsh conditions of Canada.

SPECIFICATIONS & WSAC® BENEFITS

- Process capability: 275 GPM Ethylene Glycol
- Heat load: 5 MM BTU/hr.
- Inlet Pressure: 150 psig
- Smaller footprint than conventional cooling systems
- Closed-loop, ASME U stamped code tube bundles
- Designed to prevent ice buildup during -40°F conditions
- Entire unit 316L construction



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