



Cooling Tower Case Study in Merida, Mexico
Project: Fernandez Chicken Farm

FOR MORE INFORMATION PLEASE CONTACT:
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INITIAL STATUS:

Cooling tower located on roof of chicken structure

Running inefficiently due to scale build up on cooling panels and tubes



INITIAL STATUS DETAIL

Prior to Aqua-Rex treatment

Tubes encrusted with scale



INITIAL STATUS DETAIL

Prior to Aqua-Rex treatment

Cooling panel encrusted with scale

TREATMENT AND MEASURING

It was determined that the system required an Aqua-Rex WK6 on the distribution system immediately before the nozzles

Control sections of the tubes and cooling panels would be cleared of scale to show that no new scale would accumulate

Sections already encrusted with scale would be used to demonstrate the effectiveness of Aqua-Rex at removing existing scale



CONTROL SECTION DETAIL

Day 1 of Aqua-Rex treatment

Control section of tubes cleaned on
small section at beginning of
treatment



CONTROL SECTION DETAIL

Day 1 of Aqua-Rex treatment

Section of cooling panel cleaned at
beginning of treatment



RESULTS DETAIL

Day 62 of Aqua-Rex treatment

Cleaned control section on tubes
remains free of scale

Scale falling away from the
uncleaned section

RESULTS DETAIL

Day 62 of Aqua-Rex treatment

Cleaned portion of cooling panel
remains free of scale



Before



RESULTS DETAIL

Day 62 of Aqua-Rex treatment

After

Cooling panels have less scale





RESULTS DETAIL

Day 62 of Aqua-Rex treatment

Scale particles that have broken off
have settled in the basin

Conclusion

After 62 days of treatment with Aqua-Rex the results are conclusive.

Aqua-Rex is effective in:

- stopping new scale from accumulating
- removing existing scale in cooling tower systems

For more information or assistance with specification please contact Aqua-Rex at:

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