

CASE STUDY

Casino Reduces Ice Machine Maintenance by 75%

PROBLEM:

A casino in Las Vegas with over 500 ice machines in their hotel and casino would do their Preventative Maintenance (PM) cleaning on their Ice Machines quarterly – 4x a year. Due to the high levels of mold and slime buildup, the cleaning is very time consuming taking on average 2-3 labor hours per ice machine. The goal of the ice machine test was to demonstrate that the ES Flow could keep the ice machines cleaner and allow the casino to significantly reduce their PM cleaning time on each of their ice machines.

SOLUTION & RESULTS:

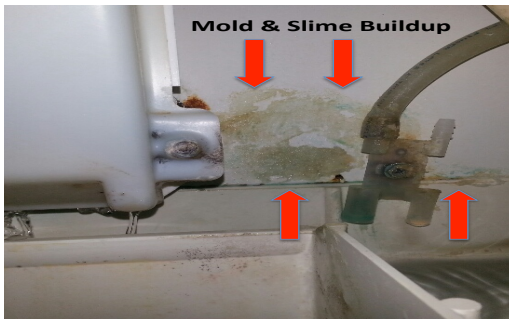
A side-by-side study was performed on two ice machines in the casino's Race and Sports Book bar. For the study, two Manitowoc ice machines were cleaned at the same time. Then they installed the ES Flow technology on (ice machine #1). The second ice machine (ice machine #2) DID NOT use the ES Flow technology. These specific ice machines were chosen because they were notorious for having high levels of mold, and slime buildup inside the icemaker and ice bin.

The six-month study showed that the ice machine using the ES Flow technology (ice machine #1) had significantly outperformed (ice machine #2) the ice machine WITHOUT the ES Flow technology. Taking "swab samples" and "ice water" samples from both ice machines, lab results showed that (ice machine #1) ice machine using the ES Flow technology had 91% less bacteria and mold spores than (ice machine #2). The ice machine using ES Flow (ice machine #1) was able to prevent mold and slime buildup from developing inside the machine. The ES Flow machine also produced cleaner, better quality ice than (ice machine #2).

The casino's VP of Facilities reported, "We are very pleased with the results. The ES Flow technology will allow us to reduce our PM cleaning by 75% or more and with the amount of machines we have should save us over 2000 hours of maintenance hours a year".

Casino Ice Machine Test – 6 mo. Study

Ice Machine WITHOUT – ES FLOW



Ice Machine WITH – ES FLOW



Innovative Solutions

www.innovative-solutions.org