Highlights from Study Regarding TTR Effectiveness in Ontario

"Farms with a TTR had significantly lower milk bacteria levels than farms without a TTR" [1]

"The four most frequent alarms, were "Pipe Cleaning Insufficient", "Slow Cooling", "Tank Cleaning Insufficient" and "High Blend Temperature" [2]

"The "High Blend Temperature" and "Slow Cooling" alarms occur together quite often." [3]

"insufficient cleaning alarms… have resulted in a large number of producers purchasing new hot water heaters." [4]

"…the TTR is a valuable tool for the dairy producers of Ontario as an early warning device to prevent bacterial contamination of raw milk and milking equipment and to allow for the continued production of high quality milk products in Ontario." [5]

"In Ontario in 2003, $1.7 million worth of bulk tank milk losses were incurred as a result of dumped whole or partial milkings" [6]

"Bacteria penalties accounted for $260,000 across the province in 2003" [7]

"The objectives of this study were to evaluate the impact of the TTR on the bacterial content of raw milk and dumped/loss milkings on Ontario dairy farms." [8]

"From this study, the installation of the TTR's, as a component of the CQM program was a positive step towards the improvement of bacteria levels in raw bulk tank milk. It is beneficial that in the first year of TTR installations, there has been a significant decrease in the raw milk Bactoscan™ levels on TTR farms in Ontario. Also, there was a potential trend towards a lower risk of dumped/loss bulk tank milk on the Ontario dairy farms with a TTR." [9]

"The presence of a TTR on farm for the duration of one year was significantly associated with a decrease in bacteria levels in raw milk as compared to farms without a TTR" [10]

"In the first year of TTR installation, there was a significant decrease in the raw milk Bactoscan™ levels on TTR farms in Ontario" [11]

"The new TTR's installed across the province are a useful monitoring tool to alert dairy producers of possible milk quality violations and to prevent bacterial contamination of raw bulk tank milk in Ontario." [12]

All excerpts taken from:
The Impact of Wash Water Quality and Milk Temperature Monitoring on Milk Quality on Ontario Dairy Farms, Nicole Ruth Perkins, University of Guelph, October 2006
[1]p2, [2]p92, [3]p92, [4]p92, [5]p94, [6]p115, [7]p115, [8]p117, [9]p128, [10]p145, [11]p145, [12]p146