Incentives to Change
Reduce overall water usage and environmental footprint.

Organization
Johnson Screens, a brand of Aqseptence Group, is the leading brand for screens in industrial filters, water well, and architecture.

Intern Project
Identify opportunities within water usage and recycling reduce water usage by 30%. Identify a solution to allow recycled water to be used in production of NSF approved products.

Solutions

Install New Recycling System:
Install a centrifuge unit to remove particulates, and an ultrafiltration unit for dewatering oil-water emulsion.

Install Ion Exchange System:
An ion exchange system will remove trivalent chromium from recycled water and allow it to be used on NSF approved products.

Reduce Quenching Water Use:
Install globe valves and flow meters to increase control over flow rate.

Closed Loop Cooling Water System:
Reuse water with an in-line chiller and recycling system.

Change Washing to Air Wipe
Eliminate unnecessary washing step.