

# JUST ONE THING

**Submitted by:** Levi Mothersell, levi.mothersell@milliporesigma.com

**Company/Organization:** MilliporeSigma

**Type of Organization:** For profit business

**Number of Employees:** 1000

**Category:** Environment

**Challenge or Opportunity:** Developing a new industrial wastewater pretreatment facility to meet local and federal regulations and reduce the load on the town's POTW.

**Approach or Solution:** The organization utilized a design-build approach to construct and implement a new treatment facility that we call the Process Water Reclamation Center (PWRC) as opposed to Wastewater treatment plant (WWTP). The plant includes state of the art technology including an anaerobic digester, MBRs, UV disinfection and ultrafiltration.

**Impact:** The organization has seen a 99% decrease in TSS vs the previous treatment system, 96% decrease in COD vs the previous treatment system and is 99% below the current BOD regulatory limit. The organization received a \$150000 incentive from the energy supplier for the energy efficient build. Facility is currently working on PWRC water reuse efforts.