

Reuse: Multiple Effect Evaporator Process Condensate Usage in Mash Preparation



Trigger of the Project - Senior management

Uniqueness of the Project: Process condensate which is being drained as makeup water for cooling towers was diverted back into process as an alternative for raw water

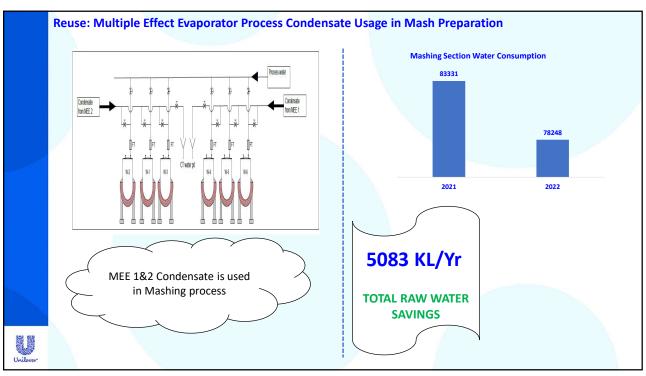
Date of Commencement: April 2022

Date of Completion: July 2022

Major Milestones:

- ✓ Reduced the raw water consumption by 16%
- ✓ Reduced the temperatures in process cooling towers by taking treated process water in place hot condensate liquid as makeup water
- ✓ Eye opener for organization in achieving 72000 KL of raw water per year by taking back the process condensate into mashing section from remaining stages of process, post completion of analysis w.r.t. product quality parameters

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Recycle: TRO Expansion to use Treated Process Water for Utilities



Trigger of the Project – Senior Management

Uniqueness of the Project: Tertiary Reverse Osmosis plant expansion to increase production in terms of water filtration and ensure makeup water for process cooling towers, boilers & VAM etc., instead of raw water

Date of Commencement: January 2022

Date of Completion: April 2022

Major Milestones:

- ✓ Increased usage of treated water in utilities by 41%
- ✓ Factory got the opportunity to increase production from 50 KT to 75 KT with existing raw water consent
- ✓ Factory got the opportunity to get land release from pollution control board w.r.t. existing water discharge to land rule of 10KL/Acre

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