



Cemstone

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Company

Cemstone has many locations around the Midwest where they produce ready-mix concrete for commercial and residential use.

Intern Project

Review the current water usage and find innovative ways to conserve and reuse water to reduce the total water usage by 10% at 12 ready-mix plants.

Incentives to Change

By reducing water usage, many plants will qualify for the National Ready Mixed Concrete Association Sustainability certification for environmental responsibility in the ready mixed concrete industry. Saving water will also save Cemstone money while reducing pressure on existing recycling technologies.



Minnesota Technical
Assistance Program

Solutions

Reduce Unnecessary Water Use:

- Install automatic shut-off nozzles at all plants to prevent overflow
- Educate drivers on the best wash out practices
- Install high efficiency wash down units at specific sites

Utilize Rainwater Harvesting:

- Collect water from the large plant and shop roofs to supplement water used in dust control, saddle tank filling, and batching



Use More Clarified Water:

- Increase the recycling rate of wastewater use in both new concrete production and in truck cleaning.