



**NPCE**

National Precast Concrete Association

[precast.org](https://precast.org)

Grey Water =

Mixer Washout and Coring Process Water

- Grey water is created from processes such as coring and mixer washout.
- There are multiple ways of dealing with dispersal or containment of the grey water.
- As stewards of our environment, precast manufactures must not ignore or diminish the need for viable solutions to dealing with grey water, both for legal and ethical reasons.

# Coring Process



# Mixer Washout Process



# Options

French drain systems flow grey water to reclamation pits or ponds where settlement is allowed to settle before water is released or reused.





# Options

- Series of tanks to remove sediments for recycling of water back to coring process.
- Remember to visually check at regular intervals to see if cleanout of sediment is needed.





# Options

There are multiple proprietary systems on the market to reclaim water for batching and/or coring systems.





# Examples of Legal Consequences

- A Minnesota concrete company was fined \$32,623 for discharging sediment-laden stormwater into a wetland. The company must also spend \$320,000 to install water conservation equipment and fund a wetland restoration project.
- A Rhode Island concrete company was fined \$55,000 for discharging wastewater and sediment-laden stormwater without a permit. The company must also spend \$178,000 to install a closed loop recycling system to reuse wastewaters and two stormwater Quality Control Units to improve the quality of storm water runoff.
- A Wisconsin concrete products company was fined \$80,000 for unpermitted stormwater discharges to a river and wetlands.
- A New Hampshire sand and gravel operator will pay a fine of \$250,000 for violations of stormwater and wetlands requirements.
- A Washington concrete, sand & gravel company was fined \$147,000 for failing to control concrete dust and comply with discharge stormwater limits.
- A Michigan concrete company was fined \$27,500 for discharging truck washwater and sediment-laden stormwater into stormwater sewer system

# Stewardship

We all need to be good stewards of our environment. Grey water can easily get into our drinking water. We should all do our part in keeping our environment clean and free of contamination. There are many procedures and systems to prevent this from happening. If you need help with this issue, please reach out to NPCA for information and direction.