



July 13, 2026

Mr. Eric Beebe, Director  
Beebe Technologies, LLC  
320 South Gibson Street  
Gilbert, AZ 85296

480-220-0892  
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RE: Disposal of Cleaning Solution - PCT 6009

Dear Mr. Beebe,

As discussed, you will be using a water solution of PCT 6009 at 21 to 42 lbs product per 1,000 gallons of city water for preoperational cleaning of steel closed loop cooling water piping. Cleaning solution will be diluted to less than 25% of made up strength by the flush city water. Spent cleaning solution and city water used as a post cleaning flush is proposed to be discharged to the Coal City Publicly Owned Treatment Works (POTW).

Review of Coal City Ordinances, 51-54, regulating such wastewater discharges show the following items.

1. temperature maximum 150 F
2. maximum oil/grease 100 mg/l
3. no flammable materials
4. pH in range of 5.0 to 9.0
5. no toxics
6. biological oxygen demand less than 300 mg/l
7. total suspended solids less than 350 mg/l
8. chemical oxygen demand less than 700 mg/l
9. daily flow rate less than 4,000 gpd

The Illinois EPA does not regulate influent parameters to POTW. They do require an operation permit for any flow rate over 15% of the POTW rated treatment flow rate. In the present case, the POTW is rated 200,000 gpd so a permit would be required at flows exceeding 30,000 gpd.

Please be advised that PCT 6009 contains no heavy metals or toxic components and is not flammable. The organic polymer, azole and surfactant ingredients are all readily biodegradable. Inorganic ingredients are generally recognized as safe for use as food additives.

For discharge of spent cleaning solution diluted to 25% by flush water, the only concerns would be pH and daily volume.



If pH adjustment is needed, use of a citric acid or dilute sulfuric acid solution is recommended.

Flow rate should be controlled by containment on site and controlled release of the diluted spend cleaning solution at 4,000 gpd.

Questions or comments, [tek@prochemtech.com](mailto:tek@prochemtech.com) or phone.

Regards

*Timothy Keister*

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