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**From:** Daniel Konstanski <DKonstanski@artesianwater.com>  
**Sent:** Friday, August 22, 2025 11:46 AM  
**To:** Joshi, Sunendra (DNREC) <sunendra.joshi@delaware.gov>  
**Cc:** Rebar Jr., John J (DNREC) <John.Rebar@delaware.gov>; Baust, Marlene M. (DNREC) <Marlene.Baust@delaware.gov>; Hilary Valentine <HValentine@artesianwater.com>; Dave Spacht <DSpacht@artesianwater.com>  
**Subject:** RE: EXTERNAL: Request for information (Soil Report)\_ CMR for SRRF Permit Renewal)

Please find attached the requested files.

On the site life calculations this is a conservative estimate based on taking the highest metal sample we have in the influent, the highest soil sample in each field, and assuming the maximum hydraulic loading every week (not accounting for reductions in loading from nitrogen balance).

A few things of note:

- All of the metals have at least one sample in the past 4 years that is higher than the original design influent values, the design concentrations have decreased. Again, this is a conservative approach assuming the worst sample is representative.
- Most of the fields had their expectancy increase from the DDR. This is because the original DDR estimate was based on the single worst zinc reading across all fields.
- Field G expectancy did drop to 64 years because of the higher influent concentration of zinc and it because it had one soil sample in 2023 that was higher than the original DDR study.

If you need any additional information please let me know. Thanks!

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