

CLOSED LOOP– Related Q&A

Doesn't a closed loop cooling system still produce contaminated wastewater?

Answer: Yes, the closed loop system is anticipated to have chemicals. The applicant has not provided an adequate response with their 1st submittal of the Final Site Plan documents.

Will the data center use water for cooling and what type of system?

Answer: Yes, chillers and closed loop systems are proposed.

What are the chemicals in the closed loop system? Will they be direct to chip cooling? Are they using anything with PFAS?

Answer: The applicant's submitted 1st Final Site Plan documents state: "Diluted corrosion inhibitors, scale inhibitors, biocides, and pH adjusters." However, additional information will be required for the applicant to submit by the Township, including the exact chemicals and quantity levels of each chemical. No hazardous substances containing PFAS (Perfluoroalkyl and Polyfluoroalkyl Substances) are proposed to be used or stored on site by Verrus.

Source: DLB Associates - Project Flex - Preliminary Water Systems Engineering Compliance Memorandum dated April 7, 2026, and submitted to the Township in a packet of information provided by Kimley-Horn Re: Project Flex dated April 8, 2026.

Updated Answer: The applicant has provided a Preliminary Water Systems Engineering Compliance Memorandum dated April 7, 2026. [Click here to view the Safety Data Sheets](#) associated with the closed-loop system.

If using a closed-loop system, how often is the system flushed and how many gallons are used?

Answer: The applicant has not provided enough details with their 1st submittal of the final site plans and additional information will be required from the applicant.

What if the water-cooling system fails? What happens?

Answer: The applicant has not provided this information.

Does the data center cool with water only or will it also use air conditioners with coolants?

Answer: The applicant is proposing to use a closed loop system and chillers for primary cooling and a separate system during hot weather months to mist the intake air of the air-cooled condensers.

Is this a closed loop or open loop system?

Answer: The applicant is proposing to use a closed loop system and chillers for primary cooling and a separate system during hot weather months to mist the intake air of the air-cooled condensers.

What are the additives to the water-cooling system and how are they disposed?

Answer: The applicant's submittal of the 1st submitted Final Site Plan documents state: "Diluted corrosion inhibitors, scale inhibitors, biocides, and pH adjusters". However, additional information will be required of the applicant. Disposal is proposed to be to the Township's sanitary sewer.

Updated Answer: The applicant has provided a Preliminary Water Systems Engineering Compliance Memorandum dated April 7, 2026. [Click here to view the Safety Data Sheets](#) associated with the closed-loop system.

What is being used for corrosion control?

Answer: Duplicative. See other answers for this information.

Updated Answer: The applicant has provided a Preliminary Water Systems Engineering Compliance Memorandum dated April 7, 2026. [Click here to view the Safety Data Sheets](#) associated with the closed-loop system.

The water demand described in the water memo is 1.5 million gallons annually. How much water is required to fill the closed-loop system? How often is that system drained for maintenance and refilled? Is there an on-site treatment system to maintain the quality of water within the closed-loop system?

Answer: Please see other answers regarding the closed loop system.

Will the closed loop system use glycol? If the percentage of glycol needs to adjust, where / how will the excess glycol be removed from the site?

Answer: It is unknown at this time if glycol will be used.

Will this data center use closed-loop cooling?

Answer: Yes.

Chemical additives are common in these closed loop systems. What sort of secondary containment system will be in place should a leak or spill occur? What sort of leak detection will be in place and how will it be monitored? Finally, will there be any SPCC plans in place?

Answer: Additional information is required of the applicant, please see other answers regarding the closed loop system.

What chemicals are introduced into the closed loop cooling system? And what safety measures will be in place for the ground water of residents with wells at the borders of the site when an inevitable leak occurs?

Answer: Please see other answers related to the closed loop system. The safeguards that the Township has is to test for these chemicals on-site and within the sanitary sewer collection system and wastewater treatment plant. The Township may also require an Industrial Pre-treatment permit.

What kinds of chemicals are used in the closed-loop system? Because I've read that the systems use antifreeze as well as PFAS which could leach into our groundwater.

Answer: The applicant has provided a Preliminary Water Systems Engineering Compliance Memorandum dated April 7, 2026. This memorandum included Safety Data Sheets on four chemicals: 3D Trasar 3DT397, Nailco7330, Scalechek LP-55 Scale Inhibitor, and Potassium Chloride General and Icon Activity Standard. [These Safety Data Sheets have been posted to the Township Website](#) for public review and can be found under the Planning Commission packets, in the Project Flex file, under 2nd Site Plan Review in the packet provided by Kimely-Horn dated April 8, 2026.

"No hazardous substances containing PFAS (Perfluoroalkyl and Polyfluoroalkyl Substances) are proposed to be used or stored on stie by Verrus". *Source: DLB Associates - Project Flex - Preliminary Water Systems Engineering Compliance Memorandum dated April 7, 2026 and submitted to the Township in a packet of information provided by Kimley-Horn Re: Project Flex dated April 8, 2026.*

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