

From: [Jaye Pickarts](#)
To: [James Park](#)
Cc: [Jess Joyce](#); [Mike Schierman](#); [Martha Poston-Brown](#)
Subject: [External_Sender] RE: Water recycling and septic questions
Date: Wednesday, June 28, 2023 4:03:45 PM

Jim,

The recycled water will be returned to the process facility. Most of it will be in the form of spent liquid acidic water. We have designed an acid distillation process that will convert the acid to an azeotrope form of acid for reuse. The non-acidic process water will be stored in process water tanks on site and used as make-up water for the new feed material. The facility has been designed as a zero discharge.

Spent process waters contained in the tails will be solidified, neutralized, and shipped off-site to WCS Texas licensed storage facility.

We will connect the site sewage system to the Town of Upton municipal system.

Please let me know if you have additional questions,

Regards

Jaye

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Jaye Pickarts, P.E.

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From: James Park <James.Park@nrc.gov>
Sent: Wednesday, June 28, 2023 1:38 PM
To: Jaye Pickarts <jpickarts@rareelementresources.com>
Cc: Jess Joyce <jess.joyce@h3enviro.com>; Mike Schierman <mike.schierman@h3enviro.com>;
Martha Poston-Brown <Martha.Poston-Brown@nrc.gov>
Subject: Water recycling and septic questions

Hi Jaye,

A couple more questions for you and your team. First, in section 4.4.2 of the ER, it states that "most of the water at the Demonstration Plant will be recycled." How does RER plan to

recycle the water (e.g., return to processing, landscape irrigation)? We understand that permits may be required depending on how RER recycles the water.

Secondly, will bathroom wastes be discharged to the Upton system or connected to a septic system? Will RER be making use of Upton's municipal system?

To aid you in perhaps better understanding these questions, please see the WDEQ's comments on our draft EA: <https://adamswebsearch2.nrc.gov/webSearch2/main.jsp?AccessionNumber=ML23178A214.jsp>

Thanks,
Jim