

Destructive technology test on PFAS concentrate

Questions and answers

Question 1:

We reviewed the PFAS Destruction Request for Proposal (RFP) and have a few questions that we'd like some additional information on, listed below:

Question 1a:

How does the Minnesota Pollution Control Agency (MPCA) envision the outcomes of this PFAS Destructive technology test informing future state guidance documents and regulatory frameworks for PFAS management?

Answer 1a:

There are currently no plans for the future outcomes of this testing to be included in guidance documents or regulatory frameworks for the Agency; however, as MPCA is a data-driven and collaborative agency, the results of this test could be included in the development of future guidance or similar documents.

Question 1b:

Is there an intention to integrate the findings from this program into Minnesota's broader PFAS Blueprint or other statewide PFAS mitigation strategies?

Answer 1b:

There are currently no plans for the outcomes of this testing to be included in the PFAS Blueprint or other PFAS mitigation strategies; however, as MPCA is a data-driven and collaborative Agency, the results of this test could be included in future PFAS documents or initiatives.

Question 1c:

What specific criteria does the MPCA use to evaluate the environmental performance of PFAS destruction technologies? PFOS/PFOA are mentioned in the RFP, but are there other compounds of specific interest present in the concentrate?

Answer 1c:

The MPCA is not evaluating any specific criteria but is interested in overall performance.

Question 1d:

Is MPCA considering closed-loop solutions, circulating destruction effluent back to the foam fractionation system to capture residual PFAS and optimize operational costs?

Answer 1d:

The MPCA is interested in destruction technologies in general and is not specifically opposed to closed-loop solutions.

Questions 1e:

Does the MPCA have established standards or preferences for technologies that achieve complete PFAS mineralization, and how are these standards applied in the evaluation process?

Answer 1e:

There are no established standards or preferences at this time.

Question 1f:

From the 3M Settlement, or other sources, is there funding allocated for implementation of PFAS destruction technologies based on the results of this test?

Answer 1f:

There is no funding allocated for destruction implementation based on the results of this test.

Question 1g:

Is any analytical data available for the concentrate?

Answer 1g:

Concentrate chemistry varies depending on a multitude of factors. Applicants should expect approximately 5-20 ppm total PFAS but will need to conduct their own analyses.