Application guide

PFAS Challenge Edition

Gemeente Leeuwarden

CEW

To help us assess the technical potential of your solution of partial solution, please use the section **'Can you explain your technology/service in detail?'** to provide a clear picture of how your technology performs in practice and under which operating conditions.
Please include the information below where available.

Performance

Describe the performance of your technology, including:

- overall PFAS removal or measurement efficiency;
- performance for PFOA, PFOS and TFA, where known;
- the basis for these figures, such as lab tests, pilot trials, full-scale applications or other validation data;
- whether supporting test results or other evidence are available.
- any residual streams, by-products or other output streams generated by the process, including their composition and quality.

Operating conditions

Explain the conditions your technology requires to operate effectively. Where relevant, include:

- required inlet water or feed stream quality, for example TSS, COD and BOD where applicable;
- minimum and maximum PFAS concentrations;
- minimum and maximum flow rates or treatment capacity;
- chemical consumption;
- energy consumption.



Cost indication

Where possible, provide an indication of:

- operating costs;
- capital costs.

Please include the main assumptions behind these figures, such as scale, throughput or operating conditions.

Other relevant information

Please also include, where applicable:

- estimated CO_2 footprint;
- approximate dimensions or space requirements;
- how your technology could function as part of a broader treatment train and which upstream or downstream treatment steps it could connect to.

Early-stage technologies are welcome

We do not expect every technology to have all figures fully validated yet. If certain data are not available, simply state this. Where possible, make a clear distinction between:

- demonstrated performance — supported by tests or practical experience;
- expected performance — based on calculations, research or comparable applications;
- performance still to be validated — assumptions or claims that require further testing.

This distinction is important. It allows the CEW and Gemeente Leeuwarden to assess both the current maturity and the potential of your technology on a realistic basis.