



Aquatic biota sampling results & community information session reminder

Over the past few months CS Energy has been progressing several different activities as we continue to respond to the legacy use of PFAS at Callide Power Station.

These activities are:

- Aquatic biota sampling for the Human Health and Ecological Risk Assessment.
- Resampling all landholder bores.
- Continuing the technical monitoring program on a quarterly basis.
- Soil remediation on site at the power station.
- Installing extra groundwater bores to minimise water leaving site.
- Investigating other PFAS sources around Callide Power Station and how PFAS is moving through the environment.
- Monitoring a filtration trial.

I am writing to give you an update, and outline what our next steps are.

Reminder: community information session

A friendly reminder that CS Energy is hosting a community information session this week. We will be joined by Queensland Health, Epic Environmental and Batchfire Resources.

The Department of Environment and Science (DES) and the Department of Agriculture & Fisheries (DAF) are unable to join us.

There is no presentation – simply drop in at time that suits you.

Details

Biloela Hotel

(please note the new venue, as in the past we have met at Hotel Settlers)

Wednesday 30 August 2pm to 7pm

Please RSVP if you are interested in attending to hevelyn@csenergy.com.au or call 0477 957 116.

Aquatic biota sampling



In early February 2023, specialist environmental consultants completed aquatic biota sampling in Callide Creek and Callide Dam.

The report will form part of the upcoming Human Health and Ecological Risk Assessment. [The full report has been published on our website.](#)

We have also prepared a summary of the report. [Download the aquatic biota sampling overview here.](#)

Environmental Evaluation

CS Energy's response to the Environmental Evaluation issued by DES was due in October 2023.

We recently requested an extension from DES on this timeframe to allow us to fully complete work to investigate additional PFAS sources around Callide Power Station and how the PFAS is moving through the environment.

DES have extended the timeframe for this response to March 2024.

Landholder sampling

We have now completed the third round of landholder sampling in zones 1 to 6 and are currently updating all landholders of their results.

To date the results show that concentrations of PFAS are generally stable and in some areas reducing, across the investigation area. There has been some variation in results between sampling events. However, the technical monitoring program indicates that a long-term trend is developing where the levels are remaining stable or reducing.

At present, we do not have any further landholder sampling scheduled for this year.

[An updated map showing the inferred levels of PFAS reflects the latest sampling results.](#)

Technical monitoring

To date we have completed seven rounds of the quarterly Technical Monitoring Program.

This monitoring is in addition to landholder property sampling activities. This program samples in strategic locations across the investigation area to give an overview of how PFAS is moving through the environment and through different seasons.

The results help us understand if there is movement of PFAS levels across the whole area.

We will continue this program in this form while we finalise the Environmental Evaluation due in early 2024. Once this is complete, we will design a plan for ongoing sampling requirements.

Soil remediation

Soil remediation works have progressed at Callide Power Station, with site activities commencing in September 2022. The priority remediation locations were the fire training ground and the fuel oil tank areas, which are the primary PFAS source areas identified on the site.

Remediation of the fuel oil tanks has been completed, with works partially completed at the fire training ground.

Work is currently under way to remove some concrete at the fire training grounds so we can remediate the soil underneath.

In remediating these areas, CS Energy has reduced PFAS levels in the soil and therefore also minimised the movement of PFAS from these areas into the receiving environment.

Extra bores

We are working on drilling more groundwater bores to monitor water quality and movement. Some of the bores will also help us improve our existing seepage recovery and minimise water leaving site.

Work started in July 2023 and includes installing 14 new groundwater monitoring bores at key locations within and adjacent to the site.

We expect the work to be complete in September.

Investigating other sources and pathways around Callide Power Station

Additional investigation works are continuing to be completed in accordance with the requirements of the Environmental Evaluation.

These works are looking at Callide A and other areas on Callide Power Station site.

These works are on track and will be reported in the final Environmental Evaluation submission in March 2024.

Water filtration trial

Over the past few months CS Energy has been trialling filtration systems that are purpose built to remove PFAS from water.

The trial is taking place on selected properties that have a variety of water uses, to allow for the most thorough testing of the systems to demonstrate their effectiveness.

The first trial system was installed August 2022; we expect all trials

to run for a minimum of three years.

To date, the filtration systems are showing a greater than 99 per cent reduction rate in total PFAS.

We will continue to provide updates on how this trial progresses.

Next steps

The next key milestones are:

- Starting the HHERA
- Continuing technical monitoring
- Submitting the response to the EE in March 2024.

An updated timeline has been produced showing what activities we have done and what is next on the agenda ([download here](#)).

More information

How can I get more information?

You can phone **0477 957 116** and a member of the PFAS team will be available to take your call.

If you have any health concerns or questions, Queensland Health advises people to talk to their GP or call **13HEALTH** on **13 43 25 84**.

You can also call the Central Queensland Public Health Unit on **07 4920 6989**.

If you have questions about livestock or agriculture, we recommend speaking with the Department of Agriculture and Fisheries (DAF) on **13 25 23**.

Kind regards
Holly Evelyn
Operations Lead - PFAS

[Email me](#)



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powering your tomorrow.**