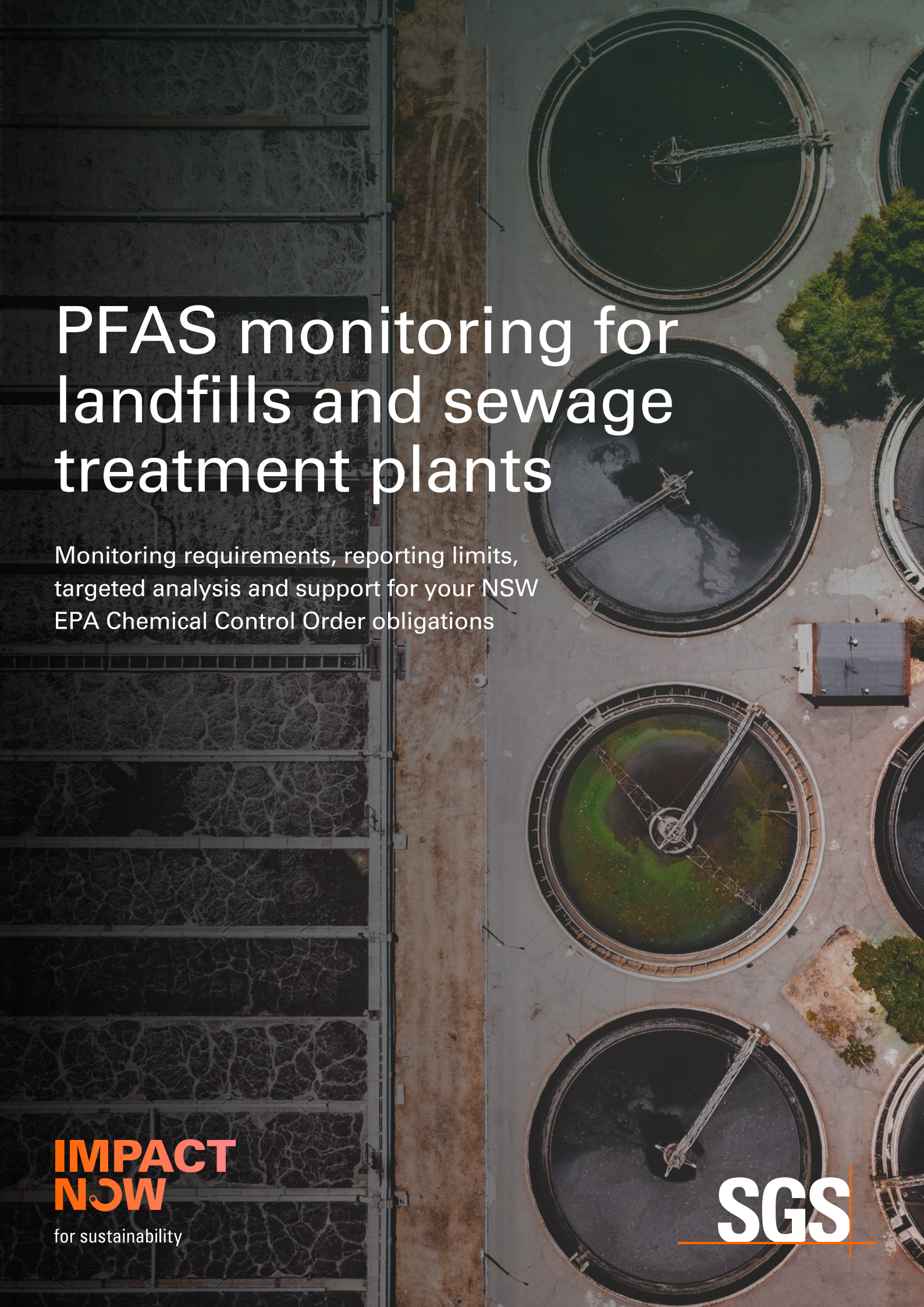




PFAS monitoring for landfills and sewage treatment plants

Monitoring requirements, reporting limits,
targeted analysis and support for your NSW
EPA Chemical Control Order obligations

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New EPA PFAS monitoring requirements commenced 1 October 2026

The NSW EPA's Landfill and Sewage Treatment Plant PFAS Monitoring Chemical Control Order (CCO) requires licensed landfills and sewage treatment plants (STPs) to undertake PFAS monitoring and reporting. Our low-level PFAS analysis short suite supports your monitoring program with targeted testing, appropriate reporting limits and practical sample submission support.

Analytical support for your monitoring program

Whether you manage landfill leachate or treated sewage effluent, you will need laboratory analysis suited to your sample types and monitoring requirements.

We provide PFAS testing for:

- Groundwater
- Surface water
- Treated effluent
- Landfill leachate

Our environmental laboratory team can assist you with the analytical suite, reporting limits and submission requirements for your next monitoring round.



Understanding the CCO sampling requirements

Facility Type	Monitoring Requirement	Frequency
Landfill	Groundwater (downgradient monitoring point)	Quarterly
Landfill	Licensed downstream surface water location where no downgradient location is specified	Quarterly
Landfill	All licensed leachate quality monitoring locations	Annually
STP	Licensed treated effluent point at, or closest to, environmental discharge.	Quarterly

Quarterly sampling events must be at least 60 days apart.

The CCO excludes sewage treatment premises licensed to Sydney Water Corporation. Landfills without either groundwater or surface water monitoring locations should contact the EPA.

Reporting limits that matter

The CCO specifies maximum limits of reporting (LORs) for four PFAS

Analyte	Water & Effluent LOR (µg/L)	Leachate LOR (µg/L)	Low-level SGS LOR (µg/L)
PFOS	0.001	0.01	0.001
PFOA	0.001	0.01	0.001
PFHxS	0.001	0.01	0.001
PFBS	0.005	0.01	0.004

Our low-level PFAS analysis short suite complies with the specified maximum LORs for water and effluent.

Sampling and analysis

Our sampling and handling methods follow NSW approved methods. Our PFAS analysis uses appropriate LC-MS/MS methods based on **US EPA Method 1633A**.

Prepare your samples with SGS

Speak with our team before sample collection to confirm:

- The analytical suite for your monitoring requirements
- Reporting limits for your sample types
- Sample containers and submission arrangements
- Chain of custody documentation

Get the analytical support you need for your next PFAS monitoring round.

Support from sample submission to reported results

We support testing of groundwater, surface water, treated effluent and landfill leachate through:

- Sample containers and logistics*
- Chain of custody documentation
- PFAS analytical testing
- Technical support and reporting
- Broader PFAS suite testing where required

*Subject to location and project requirements.

Why SGS?

As a global leader in testing, inspection and certification services, we combine independent PFAS analysis with environmental laboratory experience and practical support for your testing requirements.

Whether you're establishing a new monitoring program or preparing for ongoing quarterly compliance, we can help you meet NSW EPA requirements with confidence.

Contact Us

Plan your next PFAS sampling round

Contact our environmental team to discuss your sample types, analytical suite, reporting limits and sample submission requirements.

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Targeted PFAS analysis for CCO monitoring

Low-level reporting supported by environmental laboratory expertise

Our low-level PFAS short suite supports landfill and sewage treatment plant operators with focused analysis for routine CCO monitoring and complies with the specified reporting limits.

We also offer landfill leachate analysis.

SGS PFAS Short Suite

Our PFAS short suite includes the four compounds required under the CCO:

- Perfluorooctanesulfonic acid (PFOS)
- Perfluorooctanoic acid (PFOA)
- Perfluorohexanesulfonic acid (PFHxS)
- Perfluorobutanesulfonic acid (PFBS)

It also includes two additional PFAS analytes:

- 6:2 Fluorotelomer Sulfonate (6:2 FTS)
- 8:2 Fluorotelomer Sulfonate (8:2 FTS)

These additional analytes provide information beyond the four-compound CCO monitoring requirement.

This targeted approach provides:

- ✓ Compliance with NSW EPA requirements
- ✓ Cost-effective routine monitoring
- ✓ Faster laboratory turnaround
- ✓ Additional environmental insight beyond minimum compliance