

CAPABILITY STATEMENT

Company Overview

EVO CRA an Australian technology company pioneering advanced water treatment solutions since 2011. Our patented Ozofractionative Catalysed Reagent Addition, OCRA® process an innovative foam fractionation system, helps us transform many of the most challenging polluted water sources into clean, reusable water that meets stringent discharge criteria, including the 99% ecological species protection for PFAS of ANZECC.

Registration: ACN 150 796 802

Certifications: ISO 9001:2015 Quality
ISO 14001:2015 Environment
ISO 45001:2018 Health & Safety

Core Technology: OCRA® Process

OCRA® represents a leap forward for water reuse and decontamination, a revolution in industrial water treatment, with its multiple mechanisms for removing pollutants in a single vessel.

Primary Treatment Mechanisms

- **Advanced Flotation:** Fine ozone bubbles capture contaminants and float them away from the water
- **Chemical Oxidation:** Ozone breaks down organic and biological pollutants
- **Precipitation:** Oxidation of many inorganic contaminants, can lead to the generation of non-soluble oxides that drop out of suspension in the aerated vessel
- **Chemical Activation:** Ozone increases the water's overall oxidation-reduction potential (ORP), raising the reactivity of chemicals within it and enhancing downstream polishing processes



evocra

Revolutionary Advances

- **Zero Pretreatment Required:** no costly preconditioning
- **Minimal Waste Generation:** Produces only 0.05-0.1% waste
- **75% Less Waste:** Significantly outperforms conventional air foam fractionation
- **On-Site Ozone Generation:** Eliminates costly reagent purchases and disposal
- **Enhanced Downstream Efficiency:** If polishing is required, media and other reagent usage is reduced by 70-80%.

Proven Performance – PFAS Removal

PFAS Removal Excellence

- **Long Chain PFAS:** >99% removal efficiency
- **Short Chain PFAS:** Up to 75% removal efficiency, no reagents
- **Consistently Achieving Superior Treated Water Quality:**
 - PFOS: < 2.5ng/L (< 2.5ppt) without polishing
 - PFHxS: < 50ng/L (< 50ppt) without polishing
 - PFOA: < 50ng/L (< 50ppt) without polishing
 - Σ PFAS₂₈: < 0.1µg/L (< 0.1ppb) with IX polishing

Industries Successfully Served

- **Mining:** Acid mine drainage and tailings run-off
- **Food Processing:** Fish factory and abattoir effluent
- **Industrial:** LNG cooling water and industrial laundry
- **Remediation:** Fire training wastewater post-spill restoration
- **Waste Management:** Landfill leachate & liquid waste facilities

Future Applications Include

- **Domestic Drinking Water:** PFAS removal
- **Domestic Wastewater:** PFAS removal, prior to biosolids

Plant Capabilities & Experience

Available for Hire or Piloting

- 1,000 Litre/day: PFAS WTP for short term pilot validation
- 50,000 Litre/day: PFAS WTP for larger pilot studies or commercial operations (upgradeable to 100,000 Litre/day)

Successfully Delivered

- 260,000 Litre/day: Permanent PFAS WTP for a Liquid Waste Facility in Victoria, Australia
- 120,000 Litre/day: Mobile PFAS WTP for the remediation of an AFFF spill at Brisbane Airport in Queensland, Australia
- 25,000 Litre/day: Mobile PFAS WTP for an airport fire training ground in Tasmania, Australia
- 50,000 Litre/day: Mobile PFAS WTP treating landfill leachate for a Solid Waste Facility in Queensland, Australia

Design Capabilities

Ready to deploy designs ranging from 200,000 to 100,000 Litres/day, with our US licensees developing larger systems

Integrated PFAS Solutions

EVO CRA provides complete PFAS management through strategic partnerships, offering onsite PFAS removal and destruction

Destruction Technologies Available

- Electrochemical Oxidation (EOx)
- Supercritical Water Oxidation (SCWO)
- Hydrothermal Alkaline Treatment (HALT)

Proven Destruction Enhancement

Independent studies confirm that OCRA[®] concentrated PFAS waste **significantly improves destruction efficiency** across all destruction technologies, reducing treatment costs and improving outcomes

Awards

- 2017 Finalist in the Australian Technologies Competition
- 2019 Consult Australia's Award for Technology Innovation
- 2019 UK Brownfield Briefing Award for Best International Project (with Arcadis)

Global Partnerships

EVO CRA has strategic global partners to provide the benefits to the global marketplace.

- North America: OVIVO (United States and Canada)
- Australia & New Zealand: EVO CRA working with strategic partners offers design, construction, installation, operations and technical support

Clients



Why Choose EVO CRA?

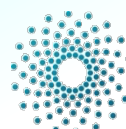
- ✓ Proven Technology: 14+ years of successful commercial operation
- ✓ Versatile Applications: Successfully treats diverse contaminated water sources
- ✓ Superior Economics: Minimal waste, no pretreatment, reduced downstream costs
- ✓ Regulatory Compliance: Consistently achieves stringent environmental standards
- ✓ Risk Mitigation: Removing transportation risk for off-site destruction
- ✓ Complete Solutions: From pilot testing to full-scale commercial operations
- ✓ Expert Support: Comprehensive technical support and training
- ✓ Innovation Leadership: Continuous technology development and improvement



Contact EVO CRA Today

Website: <https://evocra.com.au>
Contact: <https://evocra.com.au/contact-us>
Email: solutions@evocra.com.au

Transform your water treatment challenges into competitive advantages



evocra
WATER SOLUTIONS:EVOLVED

