CASE STUDY

PROJECT	**Fish Processing BOD & TKN Reduction**
PRODUCT	**Ozofractionative Catalysed Reagent Addition (OCRA)**
INDUSTRY	**Aquaculture**
LOCATION	**Tasmania, Australia**

PROBLEM

The Client was seeking a solution to reduce the levels of Biological Oxygen Demand (BOD) and Total Kjeldahl Nitrogen (TKN) from blood-impacted process water captured from their salmon harvesting vessels, and seeking innovative approaches, contacted **Evocra**.

SOLUTION

A preliminary trial was conducted at **Evocra**'s research facility to investigate the effectiveness of **Evocra**'s patented Ozofractionative Catalysed Reagent Addition (OCRA) technology in removing BOD and TKN to meet the regulated discharge requirements.

RESULTS & BENEFITS

Using a 2-stage OCRA process, the trial successfully achieved the Client's targets, with the following highlights:

- TKN reduced from 225mg/L to 0.5mg/L (99.8% reduction)
- BOD reduced from 3,120mg/L to 150mg/L (95.2% reduction)

Evocra's Research Facility at NIER

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