



**evocra**  
WATER SOLUTIONS:EVOLVED

## CASE STUDY

<b>PROJECT</b>	<b>LNG Plant MDEA Removal</b>
<b>PRODUCT</b>	<b>Ozofractionative Catalysed Reagent Addition (OCRA)</b>
<b>INDUSTRY</b>	<b>Oil &amp; Gas</b>
<b>LOCATION</b>	<b>Asia Pacific</b>

### PROBLEM

The Client was seeking an urgent solution to remove MDEA (Methyl diethanolamine) from pond water at their LNG plant, and seeking innovative approaches, contacted **Evocra**.

MDEA is used as a solvent in removing CO<sub>2</sub> in LNG production.

### SOLUTION

An initial series of trials were conducted at **Evocra's** research facility to investigate the effectiveness of **Evocra's** patented Ozofractionative Catalysed Reagent Addition (OCRA) technology in removing MDEA, across a range of treatment times.

### RESULTS & BENEFITS

The trials indicated that removal of MDEA at all treatment times was more than 99%, from an average starting point of 253mg/L in the raw water to as little as <0.001 mg/L (less than the instrument detection limits).

Due to time pressures, for a full-scale solution the Client ultimately chose a different method of removing the MDEA.



*Laboratory Trial Fractionator*

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