

# Reliable Overfill Prevention and False High Level Alarms Eliminated With Rosemount™ 5408

## RESULTS

- Reduced costs - no need for technician call outs
- No transfer interruptions or process stoppages
- Elimination of false high level alarms
- Increased reliability



## APPLICATION

Overfill prevention on seven tanks with external floating roofs.

## CUSTOMER

Coogee Chemical, Australia

## CHALLENGE

Coogee Chemicals Kwinana Tank Terminal is the largest multi-purpose bulk liquid, dangerous goods terminal in Western Australia, providing terminal services to fuel customers. Tank sizes at the terminal range from 60 to 12,000 cubic meters. Product stored includes hydrocarbon solvents, alcohols, diesel, unleaded petrol and caustic soda.

Coogee required overfill detection equipment that was capable of giving reliable measurements on their floating roofs.

## SOLUTION

After consultations with Emerson, Coogee decided to try a Rosemount 5408:SIS Frequency Modulated Continuous Wave (FMCW) Transmitter mounted at the top of the tank to measure the floating roof. They utilized the Trial to Buy program to test the first unit. The FMCW technology resulted in 100% reliability and the trial was so successful that Coogee ordered six further units to install on the other tanks.

During the installation, an Emerson service engineer assisted with commissioning and provided customer training with the software and configuration tool, Rosemount Radar Master Plus™. The Rosemount 5408 transmitters feature a seven day historian which made configuration/tuning and remote support very easy; it was simple to review the echo history during the initial commissioning phase. They were able to “look back in time”, to check the health of the transmitter in adverse weather conditions.

Since the Rosemount 5408 Transmitters were commissioned, they have proven to be very reliable, with the advantage that, as an SIS safety device, proof-testing intervals could be extended, and testing carried out from the safety of the control room.

*“We have installed Rosemount 5408s on the 7 tanks. To date they have worked flawlessly on all tanks which is very much a relief.”*

**Tom Arfuso**  
Process Engineer - Terminals



*Rosemount 5408:SIS Non-Contacting Radar Level Transmitter*

## RESOURCES

### Rosemount 5408 Non-Contacting Radar Level Transmitter

[Emerson.com/Rosemount5408](http://Emerson.com/Rosemount5408)

### Emerson Automation Solutions Industries

[Emerson.com/Industries/Chemical](http://Emerson.com/Industries/Chemical)

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Before using Emerson products, it is important that you review the health and safety information, and other information regarding the limitations of our products, contained in the applicable user manuals located at [www.emerson.com](http://www.emerson.com).

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