

# Odour Monitoring

## COVEY CASE STUDY

Covey Consulting has developed the Odour Measurement Station (OMS) in conjunction with CSIRO. This device is a composite air sampling station designed specifically for capturing odorous chemicals from air. When coupled with analysis by gas chromatography – mass spectrometry, the OMS can detect odour-causing compounds well below their threshold of smell.

Odour surveys using multiple OMS units have been successful in identifying the source of odour from many pulp and paper industry sites including Maryvale, Tumut, Fairfield and Boyer mills.

Results from the odour surveys have also been used to assess odour complaints from local residents. In some of these cases the chemical “odour profile” of the mill’s emissions were found to match the odour from complainants. The OMS surveys have also detected traffic fumes, emissions from burning-off forest waste and emissions from anaerobic waste-water bodies.

This detailed analysis allows us to differentiate between mill emissions and other local sources of odour.

