

Bathroom and Toilet Odour Problems: Detection & Solutions Guidelist

This guide offers a condensed, print-ready overview of our professional odour detection and elimination process, tailored for residential and commercial settings.

Key Gases Detected:

- **Hydrogen Sulphide (H₂S)**: Rotten egg smell, highly toxic
- **Ammonia (NH₃)**: Sharp, pungent; common in urine residue
- **Methane (CH₄)**: Flammable, odourless; signals ventilation failure

Detection Tool: OMX Environmental Odour Index Meter

- Japanese-engineered gas analysis unit
- Measures odour intensity (scale: 0–999)
- Converts readings into ammonia equivalent for clear interpretation

Sample Odour Index Interpretation:

Reading Range	Odour Strength	Recommended Action
0–99	Mild background odour	Monitor or ventilate
100–299	Noticeable odour	Schedule inspection
300–599	Strong & persistent	Identify and isolate the source
600–999	Critical gas presence	Immediate remediation required

Step-by-Step Detection Process:

1. **Visual Assessment** – Check traps, seals, ventilation
2. **Digital Gas Testing** – Scan with OMX meter at multiple zones



3. **Odour Mapping** – Log readings and identify high-concentration areas
4. **Smoke Testing or Scoping** – Confirm structural faults or air leaks
5. **Remedial Works** – Resealing, drain clearing, ventilation upgrades
6. **Verification** – Retest, log reduced levels, report final readings

Common Causes Identified:

- Dried out traps
- Cracked or loose toilet pan seals
- Faulty vent stacks
- Soiled or porous grout absorbing waste residue
- Water damage in the subfloor or behind panels

Odour Prevention Checklist:

Suggested Service Bundles:



- **Residential Basic Check:** Visual inspection + 3-point gas scan
- **Commercial 6-Point Odour Audit:** Full gas scan, smoke test if required, floor trap audit, urinal trough test, ventilation check, written report
- **Remediation & Verification Package:** Detection, repair, sanitation, and final odour log

Compliance:

Aligned with AS/NZS 3500, NCC Section F, and Safe Work Australia

Contact:

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