

Arida™ — Odorant Drying Service

Wet odorant is a solvable problem. Arida™ solves it.

Services: Operations | Industries: Gas Utilities, Renewable Natural Gas, Gas Refineries

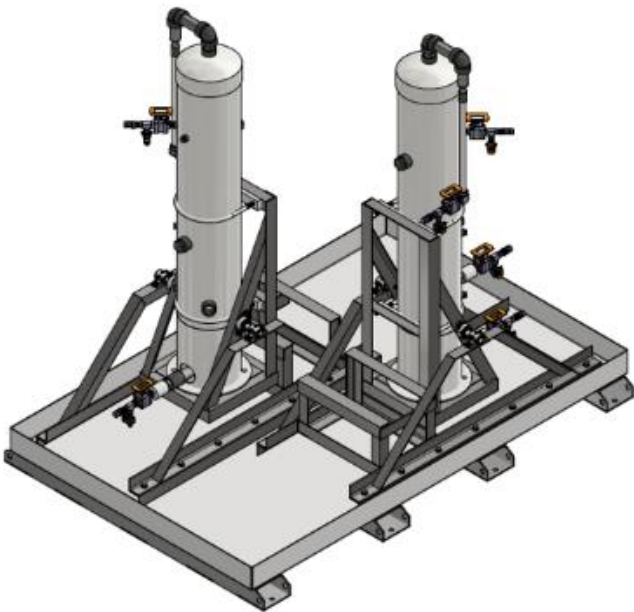
Moisture in odorant supply is a serious operational problem. Free water in an odorant tank degrades injection accuracy, accelerates equipment wear, and introduces unpredictable odorant concentrations into the gas stream. When a system gets wet enough to require intervention, the water is no longer trace contamination — it is free water in the odorant, and it requires purpose-built treatment to remove it properly.

MRR's Arida™ service returns contaminated odorant systems to dry, accurate, production-ready condition using a proprietary adsorption process developed and operated entirely by MRR.

The Arida™ Process

- 1. Assessment** — MRR technicians test the tank and odorant to determine water content and system condition. That data drives the project design; scope and treatment duration are sized to what your system actually requires, not to a fixed package.
- 2. Odorant Drying** — Contaminated odorant is processed through MRR's proprietary adsorption system, removing free and dissolved water from the odorant volume before it re-enters the odorization system.
- 3. Tank Drying** — The storage tank is dried separately, removing residual moisture from surfaces and headspace. Returning wet odorant to a wet tank undoes the treatment; both must be dry before the system goes back into service.
- 4. Return to Production** — Once both odorant and tank meet MRR's dryness criteria, the system is returned to normal operation.

Service Parameters



Treatment Throughput	10 to 20 US gal/min (dependent on system conditions)
Water Condition at Deployment	Mercaptan cloud point above manufactured specifications
Odorant Compatibility	All natural gas and propane mercaptan blends
Treatment Scope	Sized to odorant volume and water content

Typical Site Duration	2-5 days
Drying Method	Proprietary adsorption process
Service Delivery	MRR field personnel and purpose-built mobile equipment

Applications

Arida™ is suited to any odorant tank where free water has accumulated, regardless of tank size or odorant volume. Mercaptan blends are rated to -50°F from the manufacturer, meaning contamination-free odorant will not freeze in normal winter operating conditions. Field indicators that moisture has entered the supply include odorization system freeze-ups during cold weather — which in a properly rated odorant should not occur — and unexplained increases in injection rate combined with declining downstream odorant concentration.

Compatible applications include gas utility odorizer stations, RNG facility odorant systems, and any propane or natural gas mercaptan-based odorization installation.

Contact MRR to assess your system and determine whether Arida™ is required. sales@mrrus.com | (613) 347-3558 | mrrus.com