

ARIDA™ ODORANT DRYING

WET ODORANT IN. USABLE ODORANT OUT.



THROUGHPUT

10 to 20 US gal/min

SITE DURATION

Typically 2 to 5 days

COMPATIBILITY

Mercaptan blends

RECOVER THE PRODUCT. RESTORE THE SYSTEM.

Arida™ is MRR's on-site odorant drying service for mercaptan contaminated by moisture. MRR assesses the product, removes free and dissolved water through a proprietary adsorption process, dries the storage tank separately, and verifies the restored odorant before return to service.

APPLICATIONS

Gas utility odorizer stations, RNG facilities, propane systems, wet odorant recovery, cold-weather reliability issues, and contaminated inventory that may otherwise require disposal.

HOW MRR DELIVERS

■ RECOVER INSTEAD OF REPLACE

Drying can restore usable odorant inventory while avoiding the combined cost of hazardous-waste disposal and replacement product.

■ TREAT PRODUCT AND TANK

Odorant and storage tank are dried as separate parts of one process so residual tank moisture does not immediately recontaminate the product.

■ VERIFY BEFORE RETURN

The restored odorant is tested against the project specification before the system returns to normal injection service.

ARIDA™ ODORANT DRYING

TECHNICAL SERVICE SCOPE | PAGE 2 OF 2

HOW THE WORK IS ENGINEERED

Arida treatment is sized to the odorant volume, measured moisture condition, tank configuration, and required return-to-service schedule. Both the liquid inventory and the storage vessel are addressed before the system is released back to production.

SERVICE METHOD

1

ASSESS PRODUCT AND SYSTEM CONDITION

Test the odorant and review the tank, storage history, injection performance, visible free water, and indicators such as cold-weather freeze-up or unexplained changes in dose and downstream concentration. The findings define treatment scope and duration.

2

DRY AND FILTER THE ODORANT

Process contaminated odorant through MRR's proprietary adsorption system to remove free and dissolved water. Filtration is integrated into the contained treatment path so recovered product can be returned without introducing avoidable sediment or site exposure.

3

DRY THE STORAGE TANK SEPARATELY

Remove residual moisture from tank surfaces and headspace before reintroducing the recovered odorant. Returning dry product to a wet vessel would compromise the treatment, so the tank and the liquid are verified independently.

4

VERIFY AND RETURN TO SERVICE

Test the restored odorant against the approved project specification, document the result, and return the system to normal operation only after the odorant and vessel satisfy the defined dryness criteria.

TECHNICAL SCOPE

- Treatment throughput of 10 to 20 US gal/min
- Typical site duration of 2 to 5 days
- All natural gas and propane mercaptan blends
- Free and dissolved water removal
- Separate odorant and tank drying
- Contained, odor-controlled field handling

PROJECT DELIVERABLES

- Initial condition assessment
- Project-specific drying scope
- On-site adsorption and filtration
- Tank drying and system restoration
- Verification record before return to service

WHY THE METHOD MATTERS

Arida treats the source of moisture-related instability while preserving recoverable odorant inventory. Throughput and duration vary with water content, product volume, tank condition, and site configuration.