



CASE STUDY: BLASTING & COATING

DEHUMIDIFICATION FOR WATER TANK MAINTENANCE

Tank Blasting & Coating Support

A municipal water tower was ready for interior maintenance and Garrett McKenzie delivered 24/7 dehumidification to keep the project on spec and to help the contractor finish on time.

JOB SITE CHALLENGES

- 24/7 humidity control
- Prevent flash rusting
- Maintain curing conditions

SITE DETAILS

- Des Plaines, IL Municipal District
- 500,000 gallon water tower

TEMPORARY POWER SOLUTIONS

- 1 x 56kW generator
- Power distribution cable

DEHUMIDIFICATION

- 1 x 2,250 cfm desiccant
- 20" ducting and reduction flange

INSTALLATION & FIELD SUPPORT

- Equipment setup, positioning & breakdown
- Customized layout based on site conditions
- Deployment of trained field technicians

LOGISTICS & TRANSPORTATION

- Rollback truck
- On-site forklift

THE SITUATION

During maintenance of a municipal water tower, the industrial painting contractor needed to protect blasting and coating work inside the tank. With high humidity during Illinois summers, the risk of flash rusting was a major concern.

THE RESPONSE

Garrett McKenzie worked with the contractor to measure the tank volume and determine the CFM required for proper humidity control. With no site power available, a rental generator was added to the dehumidifier.

THE EXECUTION

A 2,250 CFM desiccant dehumidifier, paired with a 56kW generator, was delivered to the site. The DH unit was fitted with a reduction flange and ducting to deliver dry air directly inside the tank. Equipment was positioned with a rollback truck and forklift, then installed and started up by field technicians. The unit provided continuous humidity control throughout blasting and coating.

THE RESULT

For four weeks, the dehumidifier maintained stable, dry conditions inside the tank. The blasting and coating process was completed without delays or flash rusting. Thanks to the rental dehumidifier and power package, the project finished on schedule.

Project finished on schedule, thanks in part to the rental dehumidifier.



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On site DH & Power



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WHY CHOOSE GARRETT MCKENZIE

- ✓ 24/7/365 EMERGENCY RESPONSE
- ✓ NATIONWIDE COVERAGE
- ✓ INDUSTRIAL-FOCUSED SOLUTIONS
- ✓ SCALABLE EQUIPMENT OPTIONS
- ✓ SITE SPECIFIC EQUIPMENT PLANNING

TEMPORARY POWER SOLUTIONS

- Generators up to 2,000kW
- Power distribution cable
- Amp & I-line panels
- ATS - Automatic transfer switches
- Transformers
- Portable fuel tanks

CLIMATE CONTROL

- Desiccant dehumidifiers
- LGR dehumidifiers
- Temporary heating units
- AC cooling systems
- DX heating units

INSTALLATION & FIELD SUPPORT

- Equipment sizing & install
- Equipment setup & breakdown
- Experienced onsite technicians

LOGISTICS & TRANSPORTATION

- Transport-ready fleet
- 30-ton crane truck
(8,055 lb. capacity / 52.5' reach)
- Nationwide rapid deployment

***Garrett McKenzie's nationwide team
rolls heavy and delivers results!***



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COMMERCIAL-INDUSTRIAL EXPERTISE

We specialize in commercial-industrial service and support.

Our entire fleet, team, and process are designed around serving the needs of commercial-industrial contractors and businesses. Whether a planned project or an urgent response, we understand your need to maintain schedules & operations.

- Site-specific equipment sizing and project planning
- Direct access to our team - no middlemen, no call centers
- Scalable response to meet your needs
- Specialized technicians with real world experience

FEATURING EQUIPMENT BY:

