

# Project Profile

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## Project Background – Water Damage Mitigation

**Client(s):** Moody Gardens Galveston Island Resort

**Month/Year, Project Type, Environment, Location & Proj. Mgr.:** Aug 2008 – Hurricane Ike - Storm/Water Damage – Multiple Buildings – Convention Ctr., Visitors Ctr., & High-tech IMAX Theater Environments – Emergency Mitigation & Structural Drying Bid for Insurance relationship – Shawn Delgado, Senior Estimator & Senior Project Mgr., FCR

**Client or Location Profile:** Moody Gardens Galveston Island Resort is a public, non-profit educational destination utilizing nature in the advancement of rehabilitation, conservation, recreation and research - attractions include: Aquarium Pyramid, Rainforest Pyramid, Discovery Museum, MG 3D Theater & 4D Theater, a Hotel, golf course & more.

**General Scope:** Water Damage Mitigation in a New Construction/Education-Municipal Government Environment:

- Extraction,
- Dehumidification,
- Structural Drying &
- Selective Demolition

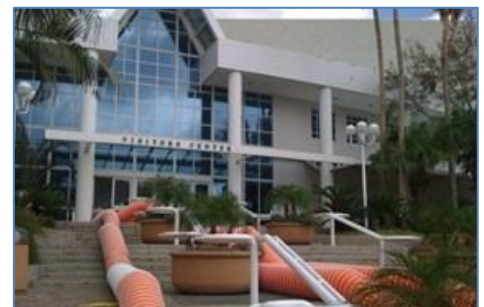
Install equipment, mitigate water damage & perform selective demolition in preparation for restoration/reconstruction of approx. 40,000 SF of surface area.

Turner resolved an outside water source issue regarding flooding of a clogged drainage system during severe storms which backed up into the affected area of the new structure and portions of the existing structure.

**Total Project Cost:** Over \$8.0 Million

**FCR's Fees:** \$1.20 Million

**FCR's Role:** Sub-contractor for General Contractor - Full Circle was utilized for water damage mitigation, dehumidification, structural drying & selective demolition only.



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- Description & Origin:** Category 4 Hurricane - Ike
- Ike made landfall near Moody Gardens Resort on Galveston Island, TX.
  - Moody Gardens had three large structures which were dramatically affected by the storm with up to 12 feet of water flowing through the facilities.

Facilities included:

- The first IMAX Theater built in North America inside a 250,000 sq. ft. visitor's center
- Convention center of approximately 350,000 sq. ft.
- Adjoining hotel, kitchen facility & administrative office building of 250,000 sq. ft.
- Total Affected FCR Work Area totaled over 850,000 sq. ft.

Mitigation was conducted according to the IICRC S500 procedural standard & reference guide.

**Equipment/Protocol:**

FCR extracted and installed dehumidification equipment - state-of-the-art XL commercial dehumidifiers, trailer-mounted desiccant dehumidification (Capable of 5500 cfm @ 120° / near 0% Humidity), air movement & air filtration

**Challenges/Obstacles:**

Full Circle worked diligently to remove volumes of water & lower the extreme humidity levels in 3 very large structures, one of which (IMAX theater) contained ultra-expensive equipment., whereby FCR was able to salvage all of the electronic equipment & dry all three facilities

**Results & True Value / Additional Value:**

Effectively dried all areas, avoided microbial growth & Once the project was completed FCR discovered that 3 TX-based competitors had bid on the project at substantially higher amounts

FCR saved the Contractor/Property Owner between \$1.50 – \$1.80 mm & still made a fair and reasonable profit, even while considering the additional expenses incurred by traveling with equipment & personnel from Atlanta to Galveston Island.

**Key Contact:**

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