



The Crystal Group, Distributions, LLC

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CHALLENGE

The Department of Environmental Protection (DEP), for New York City, Bureau of Waste Water Treatment, Rockaway Plant, had a severe water incursion problem in the floor slab cold joint, located in the pump room. The constant flow of water created a safety hazard for maintenance crews working in the building. The problem was compounded due to the buildings close proximity to the Atlantic Ocean, yielding a below grade repair that presented strong hydrostatic pressure, which had caused the cold joint to fail.

The DEP asked The Crystal Group (TCG); if they would conduct a sample, permanent repair, applied to this decades old problem for this facility.



PERFORMANCE

The Crystal Group installed the Kryton Krystol Technics Specification #1, crack repair system, on November 1, 2001. The cold joints were repaired, along with surface coating of the concrete using Krystol T1 and T2. This area became dry for the first time in years and to date, the system is performing flawlessly. The added benefit of KIM's self-healing capabilities for small cracks further increased the products appeal.



OWNER

The Department of Environmental Protection

LOCATION

Rockaway, NY

CONCRETE SUPPLIER

N/A

GENERAL CONTRACTOR

The Crystal Group, LLC

FOUNDATION CONTRACTOR

N/A

ARCHITECT

N/A

ENGINEER

N/A