



MIGRATING CORROSION INHIBITORS
FROM GREY TO GREEN



MIGRATORY CORROSION INHIBITOR (MCI®) PRODUCTS FOR CONCRETE

CASE HISTORY SPOTLIGHT

Case History #62: Concrete Cooling Tower Restoration



Cooling towers at a processing facility had severe damage from corrosion. It was wondered whether structural integrity could be maintained while avoiding the cost of total replacement. Loose concrete was removed with jet blasting, and [VpCI®-423](#) was used to remove heavy rust on rebar. [MCI®-2023](#) was applied immediately to protect cleaned rebar. [MCI®-2038](#) and [MCI®-2039](#) were then used to repair concrete and restore structural integrity. Structurally sound areas that did not require concrete repair were treated with [MCI®-2020](#) surface applied corrosion inhibitor designed to migrate and protect the steel beneath the concrete. Using this process, the contractor was able to restore the structure's integrity and aesthetics at a substantial cost savings to the owner.

To read the full case history, please visit: https://www.corteccasehistories.com/?s2member_file_download=access-s2member-level1/ch062.pdf

Keywords: cooling tower restoration, case history spotlight, severe damage from corrosion, cost savings, concrete repair, MCI, SACI, surface applied corrosion inhibitor, VpCI, remove rust

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