

Underwater repair of a 113 m high CFRD with a PVC geomembrane: Turimiquire

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SYNOPSIS. The paper discusses repair of Concrete Faced Rockfill Dams (CFRDs) with geomembranes, with emphasis on a project where a geomembrane system is being installed underwater in 2010, at Turimiquire, a 113m high CFRD in Venezuela, designed by Barry Cooke. An exposed polyvinylchloride (PVC) geomembrane is being installed to restore imperviousness to the deteriorated facing where leakage has reached 9,800 l/s. The 2010 project will cover the area requiring immediate repair, and it is expected that the remaining parts of the upstream face will be lined in subsequent projects.