

project highlight

**Collierville Dam
Powerhouse**
Calaveras County, CA

Northern California Power Agency (NCPA) operates a network of dams and waterways to provide water and hydroelectric power for thousands of Calaveras County residents. As a part of this network, the Collierville Dam Powerhouse generates and transmits electricity to nearby facilities. When the powerhouse's roof deck started leaking, NCPA knew they had to find a reliable, cost-effective solution for this integral part of its system.

OVERVIEW

Located in Northern California, the Collierville Dam Powerhouse often has very wet winters. For years, NCPA experienced water seepage through the concrete matrix in the powerhouse's 10,000 ft² roof deck. When the agency decided to remediate this issue, Spray-Lock Concrete Protection (SCP) offered a cost-effective solution. Designed for new and existing concrete, SCP 743 can waterproof, increase durability and reduce reinforcing steel corrosion. Jake Eymann, NCPA Plant Engineer, supervised the treatment. Impressed with the easy application and results, he said, "since the product worked to stop water intrusion, we did not have to go with the more expensive epoxy injection process that would have changed the uniform appearance of the slab and may not have completely stopped the leaks." After treatment, the powerhouse endured Northern California's wettest winter in over 100 years with no water intrusion and no new leaks, thanks to SCP Technology.



PROJECT DATA

PROJECT

Collierville Dam Powerhouse

APPLICATION TYPE

Existing Concrete Waterproofing

PRODUCT TYPE

SCP 743

DESIGN CONSULTANT

Northern California Power Agency

TOTAL AREA

10,000 ft² (929 m²)

For more information, visit
www.concreteprotection.com