

When the Taum Sauk Upper Reservoir Dam failed in 2005, the decision was made to replace the complete reservoir. Over 22 months, 2.8 million cubic yards of RCC and .3 million cubic yards of CVC were placed by Ozark Constructors, a venture partnership between Fred Weber and ASI Constructors. The reservoir is located in Lesterville, Missouri, USA in the St. Francois mountain region of the Ozark Mountains, and reopened in 2010, with a storage capacity of over 1 billion gallons of water.

Maxon Agitators were used on the project to haul and place RCC, CVC and grout enriched RCC for all phases of construction. The unique design of the Agitor offers easy and efficient loading from any concrete plant, or conveyor. The hoisting body allows for fast discharge, up to 12yd³ (9m³) in less than 30 seconds, and the patented chutes provide direct placement of RCC/CVC to exacting locations.



Agitators were used in conjunction with Telebelts for direct placement of Roller Compacted Concrete (RCC) and Conventional Vibratory Concrete (CVC).



View of Agitor chutes discharging CVC to Telebelt.



Agitor during loading process with RCC.

Job Report: Agitators on Taum Sauk



One section of RCC reservoir during construction.



Truck-mounted Agitator driving on RCC dam surface, returning for load.



Agitator discharging grout enriched RCC directly adjacent to the dam face formworks.



RCC lifts during placing operations.



Agitator was lifted from one RCC section to the next with a special platform and crane.



View outside of reservoir.

BUL 708 printed in USA