

## September 2008 Stony Gorge Dam Construction Update

The contractor continued to work two carpenter crews on eight hour shifts, five days a week, to move the Stony Gorge Dam Modification project forward.

All of the concrete work for the diaphragm walls north of the spillway has been completed, including concrete for the diaphragm walls under the spillway. Concrete finishers continue to make repairs to the concrete as each diaphragm wall section is completed, including patching tie rod holes, chipping concrete, and removing form anchoring nails. All five of the C-hanger access platforms are now located on the south side of the dam.

During the summer months from June to mid-September approximately 1500 cubic yards of concrete has been placed in the diaphragm walls. When ambient temperatures are high, the contractor adds four 300 pound blocks of ice to each 9 cubic yard load of concrete. External spray bars are also used to cool the concrete drum. The average temperature of the concrete was 67 degrees at placement, just below the 70 degree maximum allowed for structural reinforced mass concrete.

The electrical subcontractor continued to install rigid conduit and set the electrical receptacles below the lighting fixtures. Metalwork, including access platforms and ladders, continues to be installed at the lower diaphragm walls openings.

Construction for the Stony Gorge Dam Modification Project is scheduled to be completed by December 2008, some 9 months before its original completion date.



A worker installs a diaphragm wall form for a concrete placement.



Workers are setting up formwork and installing reinforcement in preparation for a concrete placement in the diaphragm walls on the south side of the dam. Scaffolding is being removed and relocated to the next higher lift placement.