



OROVILLE SPILLWAYS RESPONSE & RECOVERY 2017-2018



FEBRUARY 15, 2017

Lake Oroville damaged main spillway with an outflow of 100,000 (cfs).



NOVEMBER 1, 2017

Phase 1 repairs to main spillway allowed outflows of 100,000 (cfs), if necessary, during upcoming winter season.



OCTOBER 29, 2018

Final concrete work on the upper chute of main spillway and the emergency spillway.

KEY MILESTONES



MAY 31, 2017

Controlled blasting. A detonation breaks up concrete from the lower chute of the damaged main spillway.



JULY 19, 2017

Cleaning bedrock. Workers remove loose rocks and debris in preparation for placement of concrete on the upper chute of the main spillway.



AUGUST 7, 2017

Roller-Compacted Concrete (RCC). To facilitate curing, water is sprayed on RCC in an erosion area between the upper and lower chutes of the main spillway.



DECEMBER 18, 2017

Drainage system. Drainage pipes are connected to the outer sidewalls of the upper chute of the main spillway.



FEBRUARY 26, 2018

1,450-foot secant wall. A concrete beam anchored to the top of the secant pile wall forms the base of the roller-compacted concrete splashpad.



MARCH 19, 2018

Construction of RCC splashpad. Armored the hillside between the emergency spillway and secant pile wall to prevent erosion should the emergency spillway flow.



MAY 14, 2018

Middle chute berm demolition. Temporary RCC sidewalls are removed from main spillway prior to placement of permanent structural concrete walls.



JUNE 6, 2018

Inspection work. DWR engineers check the leading edge of the upper chute where new structural concrete work will be poured on main spillway.



JULY 18, 2018

Stay-forms. Workers prepare for placement of leveling concrete on the upper chute of the main spillway.



AUGUST 23, 2018

Structural concrete. Crews place structural concrete on middle and upper chutes of the main spillway.



OCTOBER 2, 2018

Energy dissipator repair. Concrete is placed atop an energy dissipator block on the lower chute of the main spillway.



OCTOBER 27, 2018

Concrete finishing. Workers dry finish concrete slabs and sidewalls on the upper chute of the main spillway.