

U.S. Bureau of Reclamation
Emergency Condition Notification Form

Date June 12, 2011 - Update

Time: 1:00 PM

Facility Affected: Willow Creek Reservoir **Rivers Affected:** No River flows affected

Organizations Receiving this Notification:

Lewis and Clark County Dispatch 24-hour Warning Point
Teton County Dispatch 24-hour Warning Point
Cascade County Dispatch 24-hour Warning Point
PPL Montana – Rainbow Dam Dispatch Center
National Weather Service, Great Falls
Montana State Disaster and Emergency Services, Helena
U.S. Army Corps of Engineers, Omaha
Greenfields Irrigation District (GID)
Bureau of Reclamation – Great Plains Regional Office

Condition Description

Current Conditions – Willow Creek Dam and Reservoir:

- Elevation = 4142.47 feet
- Inflow (12-hr avg.) = 314 cubic-feet per second (cfs)
- Discharge = 328 cfs

Precipitation events in the basin above Willow Creek Reservoir caused the inflows to exceed the discharge being released from the outlet works, elevating the reservoir above the Active Conservation Pool (elevation 4142.0). There are no additional outflows projected but requires additional monitoring of the dam until the reservoir elevation recedes to elevation 4142.0.

In accordance with the Emergency Action Plan for Willow Creek Dam, the elevations in the Surcharge Storage Pool (between elevations 4142.0 and 4144.0) place Willow Creek Dam into an elevated response level requiring notifications to downstream agencies. **We want to stress that this is a precautionary measure in accordance with the Emergency Action Plan and that there are no dam safety related conditions or concerns with Willow Creek Dam.**

1. Potential River Levels and Times of Arrival

Willow Creek Dam releases into the Sun River but there is no increase of flows projected.

2. Actions Taken by Reclamation and Greenfields Irrigation District

Flows have been increased over the last 6 days from approximately 165 cfs to 328 cfs to match the inflows. Reclamation and GID are monitoring the inflows and the river levels downstream of Willow Creek Reservoir, as well as performing daily visual inspections and daily instrumentation readings.

3. Actions Expected of Downstream Agencies

There are no expected actions by the downstream agencies at this time. This is strictly a notification of the elevated reservoir levels to communicate the conditions at the reservoir and the actions being taken.

4. Phone Number for Additional Information

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