

May 31, 2019

1:30 p.m.

Missouri River Update

The National Weather Service (NWS) has updated its projected peak river stage at Sioux City from the 30.5 posted yesterday to 30.4 feet (Current stage at 11:30 a.m. was 30.05). So it's essentially the same. It looks like it will arrive late tonight and extend through Sunday night/Monday morning then slowly receding. This projection was issued at 10:06 am this morning.

<https://water.weather.gov/ahps2/hydrograph.php?wfo=fsd&gage=sscn1>

This projections includes the increase to 75,000 cfs from Gavin's Point scheduled for Saturday. This should result in Missouri River water surface elevations in the 1090 at Bay Hill to 1091.5 at the far south west corner of the property. In previous updates, we've compared this to the March event, but now it looks like this may exceed it. We have configure our maximum possible protection to 1092. The Big Sioux River stage projection has been decreased slightly from 33.4 to 33.1 which still should equate to an elevation of about 1091. Levee elevation is 1098. We will continue to get survey data of water surface elevations to update and/or validate our projected water surface elevations. It appears the Big Sioux and James River have peaked for the time being.

We continue to address issues with our temporary protective measures and have staff and material staged for trouble shooting. It is very important to note that while these projections are within our current protection measures we are experiencing and will continue to experience issues with the protection and the projections can change with precipitation in the James, Vermillion and Big Sioux River Valleys along with unexpected changes in releases. **Having said that and in consultation with State and Local Emergency Management Officials, we will issue an evacuation notice for all residential neighborhoods if river projections hit a river stage of 31 feet or higher at the Sioux City Gauge at which time you will have 6 hours to evacuate.** These notices would be issued through the text and email systems and likely through media outlets. **If we have breaches in our current protection we would issue an immediate evacuation notice.** You should prepare to evacuate should conditions warrant. At this point, the best time frame we can provide is to plan for up to a 5 day evacuation. If that happens, we would expect low lying areas, street flooding and possible sanitary sewer inundation. Due to higher ground elevations, this evacuation notice would not include the commercial areas.

Dakota Dunes Community Improvement District is continuing to ask residents and commercial customers to minimize water and sanitary sewer consumption during this event to help preserve water and sewer utility. Also, please help by plugging all lower level drain pipes and make sure your sump pump is discharging outside the home. **Do not discharge sump pumps into the sanitary sewer.** In the event of sewer inundations, plugging floor drains may help keep sewers from backing up into your basement. In the limited time until the rivers peak, you may consider moving furniture or valuables to upper levels.

Also, as with most flood events, conditions change rapidly. Additional measures may have to be taken to close off sanitary sewers in low lying areas to help preserve the system as a whole. This is based on the information currently available and we will provide updates as things change.

Dakota Dunes Community improvement District, Board of Supervisors

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