

MEMORANDUM

DATE: July 29, 2015

TO: William Stowe, CEO and General Manager

FROM: Ted Corrigan, Chief Operating Officer

SUBJECT: 2015 Flood Recovery

The flood of 2015 will go into the records as the third highest crest on the Raccoon River since records have been kept. This crest of 21.54 feet at Fleur Drive was high enough to flood all unprotected areas of Water Works Park, including the Grounds Shop and Barn, and to put 4.5-foot of water against the Operations Center flood gate.

Water also inundated the Crystal Lake Basin near the McMullen Treatment Plant. Temporary pumping equipment and piping will be required to effect dewatering.

A number of facilities sustained some amount of damage. Damaged facilities include:

- Raccoon River Intake – electric motors on traveling screens damaged/destroyed
- Flooding Station – inundated, lighting/electrical equipment damaged
- Grounds Shop – shallow flooding, drywall damage, siltation
- Barn – shallow flooding, siltation
- Park Roads – asphalt and subgrade damage
- Pedestrian Bridge – railing damaged by large tree, no structural damage
- Fleur Drive Split Rail Fence – structural damage and post instability
- Memorial Fountain – siltation and plugging of drain lines
- Memorial Garden and Median Planters – total loss of plantings
- Water Works Park Grounds – silt on roadways and trails, erosion, washing and deposition of sand and rock, significant debris, tree damage
- Crystal Lake – basin inundated submerging intake and pump shelter buildings, bank and roadway erosion, flood waters must be pumped out of the basin
- McMullen Well Roads – erosion of rock surface

Initial damage estimates approached \$500,000, with approximately half of this amount relating to dewatering the Crystal Lake basin. The Grounds Shop and Barn do have coverage under the

national flood insurance program. An adjuster has been on site and a claim is in process. However, most of the costs were uninsured.

Flood recovery efforts are ongoing at the time of this writing. Status of each repair is as follows:

- Raccoon River Intake – electric motors repaired and ready to reinstall
- Flooding Station – damaged lighting/electrical equipment has been repaired
- Grounds Shop – cleaned, damaged drywall removed and replaced
- Barn – cleaned
- Park Roads – repairs complete
- Pedestrian Bridge – railing repairs complete, board replacement pending
- Fleur Drive Split Rail Fence – fence removed
- Memorial Fountain – cleaned and re-commissioned
- Memorial Garden and Median Planters – Memorial Garden replanted, median planter replanting scheduled for fall planting
- Water Works Park Grounds – silt removed from roads and trails, large debris removed for park open areas, cleanup continues
- Crystal Lake – temporary pumps have been installed to dewater the Crystal Lake basin. Water being pumped to the McMullen treatment plant for use as low nitrate source water
- McMullen Well Roads – rock has been delivered and will be placed shortly

Additional information will be presented at the August 4 Planning Committee meeting.