



Public Works Department

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## Lake Beulah Dam Project Update #10 – June 19, 2015

The lake level has been monitored since the start of construction. On Friday June 12<sup>th</sup> our measurements indicated that the lake was rising to an elevation where action needed to take place to lower the level to an acceptable elevation. Saturday morning, the contractor increased the outflow by modifying portions of the existing diversion channel. In addition to this, a plan was developed to open up the east barrel of the new spillway structure; contractors immediately started mobilizing materials and equipment to the job site in anticipation of the work necessary to complete this task. On Monday June 15<sup>th</sup> workers completed forming the new inlet control structure and east sea wall in anticipation of pouring the concrete on Tuesday morning. The concrete was poured on Tuesday with a mixture that gains strength rapidly. On Wednesday, after the concrete had reached a sufficient strength, work commenced putting in a thick plastic liner to allow water to be run through the east barrel of the new culvert without damaging any of the new work. The steel sheeting in the lake was lowered and the new diversion was opened initially that afternoon.



Preparation for new diversion channel



Water flowing in new diversion channel

After monitoring flow through the new opening and the safety of the operation, the steel sheeting was lowered further on Thursday to allow more water through the new culvert. Both the new culvert and the temporary diversion channel are currently flowing and we anticipate lowering the steel sheeting even further on Monday.

All efforts are being made to move as much water as possible without endangering workers or the site as working around 'live' water is inherently dangerous. Lake levels at the spillway are being continuously monitored and normal levels will be established as quickly and safely as possible.

With the permanent spillway now opened, we would like to remind everyone to stay clear of the construction site on the lake side of the project.



Outfall with new and existing diversion flow

*We would like to reinforce to everyone, especially with the site looking very accessible, that construction sites and large equipment can make a very dangerous, but attractive playground for children. Please warn children of the dangers and keep them clear of the construction area and equipment. The project team and the contractor are committed to completing the work as soon as possible and your patience and cooperation during this time is greatly appreciated.*

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*Kevin Brunner, Director of Central Services / Highway Commissioner*