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**Subject:** FW: 3BC-ALT1015  
**Date:** Wednesday, February 09, 2011 8:16:23 AM

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> Good morning Phyllis,

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> The purpose of this communication is to notify the Board that CFS Alert has temporarily lost freshwater flow monitoring capability. During the summer of 2010, work was undertaken on the heat tracing on the freshwater return line (to Upper Dumbell lake). This work will have the effect of requiring less water to be in continuous flow (to prevent freeze-up) once the intake pumps are improved to allow flow regulation this summer. It was just recently noted that the return flow rate reading has changed, even though the settings have not yet been adjusted. Investigation has determined that the flowmeter on the fresh water return is faulty, and has potentially been providing a false reading since the work on the return line was completed this past summer. Since the Station water usage is the difference between the intake pumps (at Upper Dumbell Lake) and the freshwater return, the loss of either flowmeter prevents estimation of water usage.

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> Since there has not been any change to pump or valve settings, we have no reason to believe that the Station water usage is any different than in the months preceeding the work on the freshwater return line and subsequent flowmeter malfunction. The intake flowrate is constant as there is currently no regulation capability on the intake pumps. The freshwater intake has continued to average 278 m3/day, and the fresh water return averaged 98 m3/day (prior to faulty flowmeter issue), resulting in an estimated Station water usage of 180 m3/day.

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> The fresh water return line flowmeter is scheduled to be replaced, and intake pump flow regulation system installed, during the construction season of summer 2011.

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