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**REPORT TO BEDDIS WATER SERVICE COMMISSION  
MEETING OF TUESDAY 13 DECEMBER 2011**

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**SUBJECT      EMERGENCY LAUTMAN TANK WORK**

**ISSUE**

The existing Lautman Tank recently experienced a leak and emergency work is needed to mitigate the risk of failure and loss of water service to the Beddis Water Service area.

**BACKGROUND**

The Lautman water storage tank recently experienced a leak. An inspection of the tank was conducted and the Capital Regional District (CRD) staff have concluded that action was needed to mitigate the issue. Temporary patches were installed inside of the tank and the tank was returned to service until further work is implemented to address the problem.

When considering current available funding and need to provide water storage and supply during the repair works, only one option is viable. The option consists of replicating the existing Lautman tank with new polyethylene tanks erected at the Lautman tank site until other capital projects are completed.

**ALTERNATIVES**

1. That the Beddis Water Service Commission authorize staff to complete temporary work to replicate the existing Lautman tank arrangement with new tanks and decommission the existing tank with a budget of \$40,000 (including materials, labour, engineering and contingency) and the funding coming from the existing operating budget. As of November 10, 2011, the forecast year end operating budget surplus would be sufficient to fund the estimated cost of this work.
2. That the Beddis Water Service Commission receive this report.

**IMPLICATIONS**

**Alternative 1**

The existing Lautman tank is due to be replaced by other capital works, which have not been approved and, if they were, then the work would not be commissioned until the end of 2012. Although temporary work has been performed on the tank to return it to service, further work is needed to mitigate the risk of failure, loss of water service and emergency response.

It is proposed to replicate the existing tank by purchasing and installing two polyethylene tanks and erecting them at the same site. The system controls would be moved to the new tanks and the piping would be revised onsite to maintain the existing system hydraulics and function.

The proposed work includes design, procurement, installation and commissioning at a cost of \$40,000. There may be residual value in the materials once the other capital works are completed.

**Alternative 2**

The temporary patches that were installed are not considered a suitable long-term repair and there is risk of further leakage developing, potentially resulting in failure, damage and emergency response.


**CONCLUSION**

The Lautman water storage tank recently experienced a leak and temporary repairs have been made. Mitigative measures are required to maintain the tank service until such time that the tank is replaced with other proposed capital projects including the commissioning of the new existing Sky Valley tank.

**RECOMMENDATION**

That the Beddis Water Service Commission authorize staff to complete temporary work to replicate the existing Lautman tank arrangement with new tanks and decommission the existing tank with a budget of \$40,000 and the funding coming from the existing operating budget. As of November 10, 2011, the forecast year end operating budget surplus would be sufficient to fund the estimated cost of this work.

  
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Concurrence

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