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**REPORT TO SALT SPRING ISLAND LIQUID WASTE DISPOSAL LOCAL SERVICE COMMISSION
MEETING OF MONDAY 24 JANUARY 2011**

SUBJECT ELECTRICAL ISSUE AT THE SALT SPRING ISLAND BURGOWNE FACILITY

ISSUE

An electrical safety issue with the dewatering equipment electrical controls at the Burgoyne septage receiving facility has resulted in the facility operations being temporarily suspended.

BACKGROUND

The dewatering equipment electrical installation, wiring methods, and electrical component selection were based on the equipment and equipment trailer being used under a pilot project, and were never intended for long term use. Some of the components recently failed. Replacement of the electrical components, in place within the trailer cannot be completed under the Canadian Electrical Code. The electrical equipment, including motor drives and controls, needs to be relocated outside the trailer in a dedicated electrical kiosk. Until this work is completed the dewatering equipment will not be in use and septage will be hauled off island. CRD electrical staff have estimated the cost of the electrical kiosk, control components and installation at \$55,000. The work will take approximately two weeks to complete.

Further to an actuator valve and sludge line failure in late December 2010, the suspension of operations continues with emergency off-island hauling at a net cost of approximately \$2,000 per week. This suspension of operations provides an opportunity to replace the electrical equipment.

ALTERNATIVES

1. That the Salt Spring Island Liquid Waste Disposal Local Service Commission approve the expenditure of up to \$55,000 from the dewatering portion of the capital upgrade budget to complete the works necessary to meet British Columbia Safety Authority approval.
2. That the Salt Spring Island Liquid Waste Disposal Local Service Commission approve the expenditure of up to \$55,000 from the annual operating budget to complete the works necessary to meet British Columbia Safety Authority approval.

IMPLICATIONS

Alternative 1

Although the dewatering portion of the capital upgrade budget is insufficient to complete the scope of the original project, available funds could be used to fund the necessary electrical upgrades to the site. With funds spent to date, a further \$55,000 expenditure would leave approximately \$1.3 million available in the approved \$1.8 million capital dewatering budget. Off-island hauling costs of approximately \$2,000/week, will be funded from the operating budget.

Alternative 2

There is not sufficient capital reserve or operating contingency funding on hand to support the estimated \$55,000 electrical upgrades. The upgrade costs and the off-island hauling of approximately \$2,000/week

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will be funded from the operating budget under this alternative. Approximately \$9,000 of costs associated with emergency hauling since December 2010 has been expended from operating funds. An operating deficit at 2011 year end would be recovered through additional revenue generated by either a parcel tax or user fees increase in 2012.

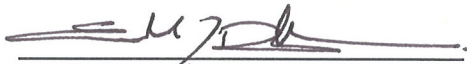
CONCLUSION

Operations at the Burgoyne septage receiving facility remain suspended until electrical issues with the dewatering equipment are addressed. As this is an emergency repair, there is not sufficient funding in either capital reserves or operating contingency funding to complete the works. An operating budget deficit at 2011 year end would need to be recovered through a revenue increase in 2012. There are; however, funds in the dewatering upgrade portion of the capital project budget to complete the estimated \$55,000 electrical upgrades to meet British Columbia Safety Authority approval.


Due to this issue and a pipeline failure in December 2010, the liquid waste received at the facility continues to be hauled off-island at a net cost of approximately \$2,000/week.

RECOMMENDATION


That the Salt Spring Island Liquid Waste Disposal Local Service Commission approve the expenditure of up to \$55,000 from the dewatering portion of the capital upgrade budget to complete the works necessary to meet British Columbia Safety Authority approval.



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