



SUNSHINE COAST REGIONAL DISTRICT



**SPECIAL EMERGENCY BOARD MEETING
TO BE HELD ELECTRONICALLY IN ACCORDANCE WITH
MINISTERIAL ORDER M192 AND TRANSMITTED VIA
THE BOARDROOM OF THE SUNSHINE COAST REGIONAL DISTRICT
OFFICES AT 1975 FIELD ROAD, SECHELT, B.C.**

THURSDAY, DECEMBER 31, 2020

AGENDA

CALL TO ORDER 3:00 p.m.

AGENDA

1. Adoption of agenda

MINUTES

BUSINESS ARISING FROM MINUTES AND UNFINISHED BUSINESS

PRESENTATIONS AND DELEGATIONS

REPORTS

2. Landslide Status Update - Water Supply Mains Chapman Creek Water Treatment Plant Annex A
Pages 1-2
 - i) Verbal Update – GM Infrastructure Services
 - ii) Receipt of Staff Report

COMMUNICATIONS

MOTIONS

BYLAWS

DIRECTORS' REPORTS

NEW BUSINESS

IN CAMERA

ADJOURNMENT

SUNSHINE COAST REGIONAL DISTRICT STAFF REPORT

TO: Special Emergency Board, December 31, 2020

AUTHOR: Remko Rosenboom, General Manager, Infrastructure Services

SUBJECT: STATUS UPDATE LANDSLIDE WATER SUPPLY MAINS CHAPMAN CREEK WATER
TREATMENT PLANT

RECOMMENDATION(S)

THAT the report titled Status Update Landslide Water Supply Mains Chapman Creek Water Treatment Plant be received;

AND THAT staff be authorized to spend up to \$200,000 for now to be funded from [370] Regional Water while every means of cost recovery through Emergency Management BC will be explored.

BACKGROUND

On Saturday December 19, 2020 staff were notified of a landslide in the vicinity of the water supply mains between the intake at Chapman Creek and the Chapman Creek Water Treatment Plant. Staff visited that site that evening and identified no imminent risk or damage to the watermains but identified that further professional assessments would be required to assess the risk for such damage in the short and longer term.

Given that the area contains the two watermains that are providing untreated water to the treatment plant and are critical to the water supply of the Chapman Water System, the Emergency Operations Centre was activated to coordinate the response and remediation of any risk to the water supply on December 23, 2020.

The purpose of this report is to provide the Board with a status update on this incident.

DISCUSSION

It's unclear what exactly triggered this landslide, but an oversaturated soil in combination with a disturbance of the soil by trees might have played a role.

Geotechnical assessments have concluded that the landslide area is very unstable and there is a substantial risk of further erosion or landslides at this site. To reduce the immediate risk staff covered the area with poly sheet to prevent any further impacts from rain. The area has also been closed off for public access.

It's likely that any additional landslide or significant erosion of the area would put the watermains at risk of breaking. Staff have been working with contractors to develop a plan to address this risk. The costs for this work are anticipated not to exceed \$200,000. Staff are having ongoing discussions with Emergency Management BC regarding the extend they will cover the expenditures associated with the remediation of the current risk to the water mains.

Timeline for next steps

To address the current risk of further erosion of landslides in the area, staff are working with contractors to enforce both watermains to ensure they are not impacted if this were to occur. These works could be undertaken as early as the first week of January 2021.

Further geotechnical assessments and site improvements will be required to address the ongoing risk of erosion and landslides on the current landslide area and all along that stretch of water mains.

Operational implications

There are current no operational implications associated with this incident.

Financial Implications

While the discussion on cost-recovery with Emergency Management BC are ongoing, staff are recommending in to fund the works to enforce the watermains from [370] Regional Water.

Given that the total project costs to enforce the watermains are expected to be in excess of \$100,000 and time is of the essence to conduct these works, staff are recommending:

- The Board authorize staff to spend up to \$200,000 for now to be funded from [370] Regional Water while every means of cost recovery thru Emergency Management BC will be explored.

STRATEGIC PLAN AND RELATED POLICIES

N/A

CONCLUSION

There is an ongoing risk to water supply mains resulting from the landslide that occurred on December 19, 2020 that is recommended to be addressed urgently. Further assessments are required to confirm the improvements required to stabilize the area long-term.

Reviewed by:			
Manager		CFO/Finance	
GM		Legislative	
CAO	X – D. McKinley	Other	