

**Date:** February 15, 2021

**To:** Nikki Gilmore, Chief Administrative Officer

**From:** Tom Csimá, Manager of Operations and Projects

**Subject:** 2021 Operations Fourth Quarter Report: October - December 2021

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### **PURPOSE**

The purpose of this report is to inform Council on the activities of the Department of Operations for the Fourth Quarter of 2021.

### **BACKGROUND**

Quarterly reports are provided throughout the year as a means of keeping Council up to date with the Public Works Capital and Operational projects and activities.

### **DISCUSSION & COMMENTS**

The focus for the Operations department in the fourth quarter was primarily preparing for winter. This involves fall cleanup of parks and greenspaces, blowing out irrigation lines, shutting off outdoor water standpipes, and preparing equipment for snow clearing operations.

Throughout the fourth quarter of 2021, British Columbia was battered by a series of storms causing high stream flows, resulting in flooding and deluge across the province, and Pemberton was no exception. Operations crews worked closely with the Pemberton Valley Dyking District and Pemberton Fire Rescue in facilitating emergency response including setting up sandbag stations, monitoring pumps, and cleaning out backed up ditches.

The storms continued into December resulting in record snow fall amounts throughout the holiday season, due to frigid cold conditions from a prolonged arctic outflow, keeping Operations crews extremely busy. Despite multiple equipment failures, and staffing shortages due to illness and Public Health Order isolation requirements, the Public Works crew did an incredible job at keeping the Village open and safe during these unprecedented snow falls.

Below is a list of the ongoing activities in the Operations Department and the maintenance projects completed during the fourth quarter:

### **Regular Maintenance and Small Projects**

#### **Public Works**

- Regular operation, inspection, and maintenance of sanitary lift stations, Wastewater Treatment Plant (WWTP), Water Conditioning Plant, Wellhouse and Pumping Stations
- Development Engineering design review
- Village-wide Lift Station and Sanitary Force-main flushing
- Water treatment investigations for manganese and iron filtration and preliminary design for a new water treatment facility
- Watermain flushing
- Sunstone Phase 1C and 2A watermain connection inspection and bacteriological testing

- Fernwood Drive watermain replacement project scoping and planning
- Lil'wat Reservoir Security breach and subsequent water quality investigation
- WWTP Biosolids composting agreement
- WWTP Outfall receiving environment river hydrological survey
- Ongoing recruitment for GIS/Engineering Technician
- Pothole repair and minor roads maintenance
- Atmospheric River flood response
- Snow and Ice removal operations

### **Parks**

- Ongoing garbage collection from public receptacles and daily sanitization of public toilets
- Fall cleanup of leaves and debris
- Garden bed winterization
- Bulb planting throughout Village
- Irrigation winterization
- Purchase of new F450 parks dump truck
- One Mile Lake dock repair
- Roundabout greenspace overhaul
- Christmas lights installation



Figure 1 – Old Mill Rd Water main / service line repair





Figure 2 – Flooding at One Mile Lake Dog Beach during heavy rains in November



Figure 3 – Flooding in the Industrial Park





Figure 4 – Sandbag station during flooding events



Figure 5 – New Ford F450 dump truck, set up for winter operations.





Figure 6 – Hydraulic brake system failure on Backhoe



Figure 7 – Snow piles on Prospect St nearly as tall as Council Chambers building

## **COMMUNICATIONS**

The Operations Department works regularly with the Office of the CAO to provide updates on the initiatives and projects that are currently underway to ensure that the Village's website is updated, and information is communicated to residents through the eNEWS and the Village's Facebook Page. Advertising in the newspaper is also utilized as required.

## **LEGAL CONSIDERATIONS**

There are no legal considerations at this time.

## **IMPACT ON BUDGET & STAFFING**

The Operations Department operates on the approved annual municipal budget, reserves, and Provincial and Federal grants.

## **INTERDEPARTMENTAL IMPACT & APPROVAL**

The Operations Department works closely with all Village Departments through referrals and coordination of public notices, reports, and presentations to Council.

## **IMPACT ON THE REGION OR NEIGHBOURING JURISDICTIONS**

There are no impacts on the region or neighbouring jurisdictions

## **ALTERNATIVE OPTIONS**

There are no alternative options for consideration.

## **RECOMMENDATIONS**

**THAT** the Operations Department 2021 Fourth Quarter Report be received for information.

Submitted by:	Tom Csima, Manager of Operations and Projects
Approved by CAO:	Nikki Gilmore, Chief Administrative Officer