



## 2021 Business Plan Rural Refuse (1008)

*Tera Grady, Supervisor of Solid Waste Management*

***Working in partnership with communities large and small to offer local, sub-regional, and regional services to ensure that the Cariboo Chilcotin is a socially, economically, and environmentally desirable region.***

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### Department/Function Services

The function provides solid waste management services in the entire rural area of the Cariboo Regional District and the District of 100 Mile House. Cariboo Regional District services provided are in keeping with the Regional District's Solid Waste Management Plan.

### Historical Capital Projects

Project	2017	2018	2019	2020
Likely Landfill Expansion	\$6,000	\$6,000		
Gibraltar Landfill Berm Construction		\$460,000		
Lone Butte Transfer Station Upgrade		\$61,727		
Recycling Depots: McLeese & Tatla			\$16,000	
Gibraltar Landfill Phase 3B Liner			\$858,600	\$105,000

Taxation is collected by way of assessment on land and improvements. The level of taxation is regulated by overall costs provided in the Solid Waste Management Plan.

Facilities consist of 33 refuse sites including 18 transfer stations and 15 landfills.

Transfer Stations: Central Cariboo Transfer Station (CCTS) in Williams Lake, Wildwood, Frost Creek, Horsefly, 150 Mile House, McLeese Lake, Chimney Lake, Riske Creek, Alexis Creek, Eagle Creek, Forest Grove, Lone Butte, Lac La Hache, Cottonwood, Baker Creek, Wells, Alexandria and Titetown.

Landfills: Gibraltar, CCTS (inert material only), South Cariboo (100 Mile House), Nazko, Big Lake, Likely, Mahood Lake, Interlakes, Watch Lake, Cochin, Kleena Kleene, Puntzi Lake, Tatla Lake, Nemiah Valley and West Chilcotin.

All Electoral Area Directors and representatives from the District of 100 Mile House and the District of Wells are responsible for the governance of this service.

The Cariboo Regional District is a signatory on the Province of BC/UBCM Climate Action Charter and has committed to continuing work towards carbon neutrality in respect of corporate operations.

## **Business Plan Goals, Objectives & Strategies**

### **2021 Goals**

- 1. Goal:** Design and tender the construction of a perimeter berm and surface water diversion system at the Williams Lake Inert Landfill.

**Rationale:** Storm water entering the site has been a long-standing issue. The 2019 Design Operations and Closure Plan (DOCP) for the site provided a solution by way of a perimeter berm, lined ditches, sedimentation ponds and tie ins to the City of Williams Lake's sub-surface storm water system. The Ministry of Environment & Climate Change Strategy approved the DOCP, but requires the surface water diversion system be constructed by the end of 2022.

**Strategy:** Design and tender the work in 2021 and complete construction in 2022. Discuss funding options with the City of Williams Lake, specifically for use of closure reserves, as surface water diversion systems are required for closure of the site.
- 2. Goal:** Increase tipping fees at the South Cariboo Landfill.

**Rationale:** Fees have not increased at this site since 2013. A gradual increase over three years is required to help cover the cost of operating the site.

**Strategy:** Update the fees and charges bylaw for the site in 2021.
- 3. Goal:** Expand the borrow pit at the South Cariboo Landfill.

**Rationale:** The current borrow area was developed in 2011 but will be out of material soon. A new area must be cleared of timber to access cover material for the landfill.

**Strategy:** Work with West Fraser Mills Ltd. to develop 5 ha south of the existing borrow pit for clearing.
- 4. Goal:** Upgrade the access road into the Interlakes Landfill.

**Rationale:** This work was started in 2020, but was not completed.

**Strategy:** Tender remainder of work in 2021.
- 5. Goal:** Replacement of aged out Transtor waste tipper bins at the Riske Creek, Chimney Lake, Cottonwood and Eagle Creek refuse sites.

**Rationale:** The Transtor tipper bins have reached the end of their expected 20 years of use.

**Strategy:** Apply for CWF for replacement bins. An additional three sites will be upgraded in 2021.

### **Overall Financial Impact**

At the time of drafting this business plan, changes to requisition were not required.

Capital reserves for the South Cariboo Landfill will remain allocated to the site, and total \$964,080 in 2020. The remaining capital reserves of \$2,511,700 (less \$105,000 for the 2019 Gibraltar Phase 3B expansion completed in 2020) are allocated to the Gibraltar landfill expansion and progressive closure activities as well as any capital work required at any of the other landfills in the region, including the Williams Lake and Quesnel facilities. A capital reserve plan has been developed and is represented in the financial plan to ensure the long-term development, replacement and reclamation of solid waste facilities.

### **Measuring Previous Years Performance**

**Goal:** Work to transition the Quesnel Recycle BC recycling depot to a CRD depot.

- **Completed**

**Goal:** Upgrade the access road into the Interlakes Landfill.

- **Partially completed.** The 2020 construction season was too wet to complete all of the work. Road right-of-way was cleared, cattle guard was moved and ditches were installed. Remainder of work will be complete in 2021.

**Goal:** Initiate replacement of aged out Transtor waste tipper bins at several transfer stations.

- **Partially completed.** Alexandria transfer station was upgraded to two new bins. Upgrade was used to determine cost of bin replacements. Remainder of bin replacements will occur in 2021 and 2022.



**Alexandria Transfer Station new bins - public drop off area**

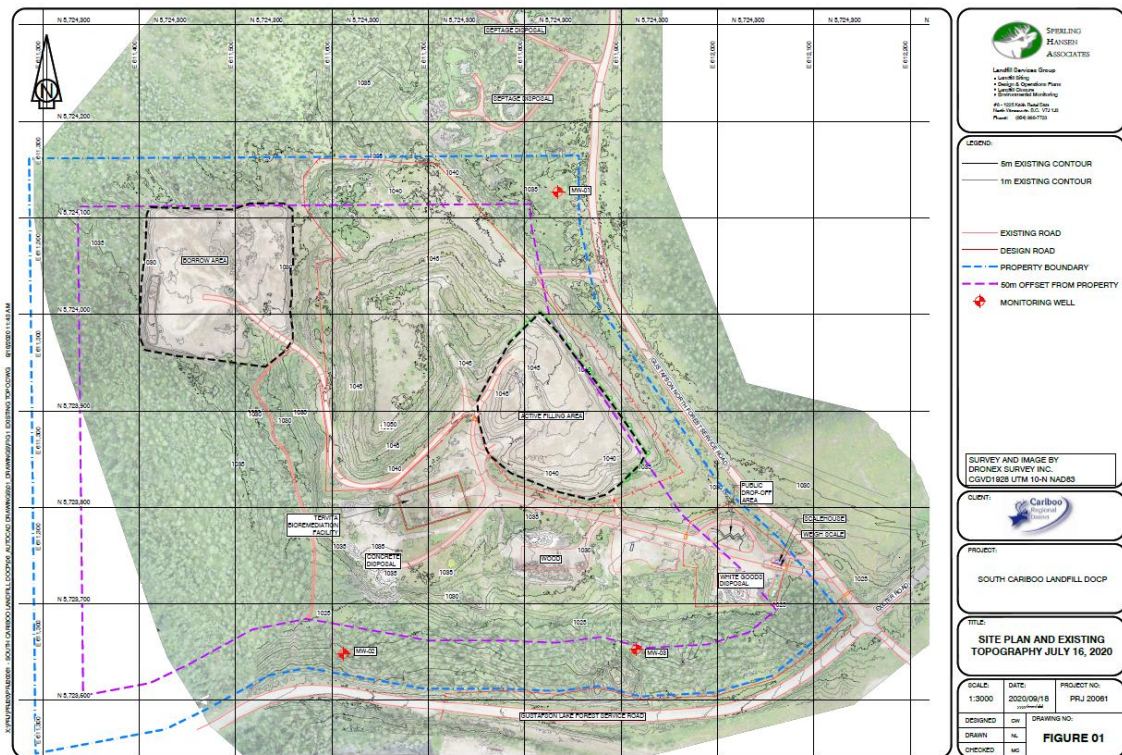


**Alexandria Transfer Station new bins – collection truck landing**

**Goal:** Update the Development Operations and Closure Plan (DOCP) for the 100 Mile House Landfill.

- **In Progress, on track for completion fall of 2020.**





**South Cariboo Landfill Site Plan and Existing Topography July 2020**

- Goal:** Complete Phase 3B liner installation at Gibraltar Landfill (2019 goal).
- **Completed, remainder of expansion work was completed in 2020.**



**Gibraltar Landfill 2019/2020 expansion area completed**