



Development Plan for Blue River Eco-Depot

1. The nature of the proposed use

The Blue River transfer station (Licence of Occupation No. 340160) located at 5881 Blueberry Road in Blue River, BC is scheduled to be relocated and upgraded to a small Eco-Depot site. An Eco-Depot is a facility where municipal solid waste, recycling materials, product stewardship items and yard waste are accepted into containers, stockpiles, and compost windrows. The site proposed for the upgrade is located adjacent to the western boundary of the current Blue River transfer station and contains portions of District Lot 3284 (28.9 ha) (refer to attached Site Specific Map).

The current site offers waste and recycling services to residents. This includes blue bag material collection, glass collection, used oil recycling, tire collection, scrap metal recycling, propane tank drop off, a yard waste collection pile, and cooling appliance collection. All of these services will be moved over to the new site as the current transfer station is atop the old Blue River landfill.

In addition to the current services, the new site will offer an on-site composting area, upgraded diversion areas for items such as clean wood waste and feature a solar grid intertie system. The composting area will consist of a hard surfaced area to serve as a foundation for a series of compost windrows. Compost will be produced by piling organic material in windrows which is most effective for composting large volumes of material. The static pile method will be used which involves monitoring the piles for ideal moisture and density levels. Yard waste will no longer have to be sent to landfills for disposal and the resulting compost can be utilized for landfill cover and/or given or sold to municipalities, residents, or businesses. An estimated 2,300 tonnes of residential yard waste is landfilled annually. Diversion of this material corresponds to approximately 2% reduction by weight in waste landfilled.

2. The nature and location of all proposed improvements in relation to the application boundary

In relation to the application boundary the site will be located primarily in the south eastern ¼ of the land being applied for. An exact site plan will be sent to ILMB as soon as it's available.

3. Proposed development and operating schedule

The current site features:

- 2 waste collection bins
- 1 recycling collection bin
- 1 glass collection bag
- Yard waste collection pile
- Automotive battery collection box
- Used oil collection tank
- Scrap metal pile
- Propane tank collection
- Cooling appliance collection

Once upgraded the site will feature:

- On-site composting area for yard waste
- Solar grid intertie system
- Same waste collection and recycling services previously provided
- Possibility of increased recycling for demolition and construction materials



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- Small weigh scale facility to charge tipping fees based on weight not volume
- Extended producer responsibility product collection shed (items such as electronics)
- A share shed for residents to exchange useable items they no longer need
- Kiosk for community, waste reduction, and public notice announcements
- Attendant office (already on current site)
- Outhouse (already on current site)

Conceptual site layouts are expected in 2012 with construction of the new site complete in 2013. New lock-block walls and compounds for waste diversion and resource recovery will be built on the new site.

The site will operate year-round on Monday, Wednesday and Friday from 8am-2pm and on Sunday's from 10am-4pm. The site is currently staffed by one attendant. The new site may require two attendants on duty to inform customers where to dump waste and collect tipping fees.

4. All other relevant details of the proposal

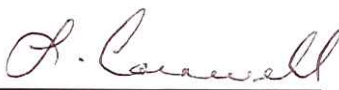
The Blue River landfill located at 5881 Blueberry Road, Blue River, BC was closed in the early 90's and replaced with a transfer station. This landfill is included for some remediation work in the TNRD's landfill closure plans. Moving the transfer station operations to the land being applied for will ensure Eco-Depot operations have enough space to run efficiently, and allow remediation work to be done on the old landfill which stopped receiving waste in the 90's.

The TNRD's Solid Waste Management Plan (the Plan) and BC Ministry of Environment (MOE) *Landfill Criteria for Municipal Solid Waste Section 8* states that all closed landfills must be monitored for a minimum period of 25 years post-closure. The Plan identifies the need for after-care of both already closed landfills, and sites intended for closure. Thus, the TNRD is responsible to inspect, monitor, and correct any problems at the Blue River landfill for a minimum of 25 years post-closure. Groundwater monitoring wells will need to be installed downgradient of the landfill footprint to monitor possible leachate moving through the soils and ensure that no adverse environmental impacts are occurring.

In addition the Plan requires that all current landfills be replaced with Eco-Depots in order to provide increased recycling opportunities to the public to support a waste reduction goal of 30%.

Application Requirement: Written demonstration that land applied for under this policy is required for the intended use and that suitable alternative land is not available

The land being applied for under the community/institutional policy is required for the intended use due to the need for increase waste and recycling services in the area. Since the Blue River transfer station is already known by local residents, providing this facility in the same area will be least disruptive to the community and also take advantage of a site that was previously used for gravel extraction. Tenure over the area for recycling and waste transfer purposes will also allow the TNRD to concurrently conduct required post-closure monitoring of the Chase landfill.



TNRD Signature



Date