



Logan Lake Eco-Depot Management Plan

The Nature of the Proposed Use

The current Logan Lake transfer station for refuse and recycling is located at 6021 Highland Valley Road four kilometers west of Logan Lake on Highway 97C. The current License of Occupation No. 344771 for the Logan Lake transfer station does not accurately map the location of the transfer station site as shown in Figure 1 (License of Occupation No. 344771 Legal Description). This has been a common occurrence as the precision of GPS (Global Positioning System) and GIS (Geographic Information System) mapping have improved. The Logan Lake transfer station site was recently surveyed allowing the TNRD to accurately map the location of the existing site to update License of Occupation 344771 (Figure 2 – Logan Lake Transfer Station Site Specific Map). A new Crown Land application for Section 30, Township 17, Range 21, West of the sixth meridian, Kamloops Division of Yale District, containing 1.92 hectares more or less must be completed in order to correct past inaccuracies and expand the current site to accommodate required site upgrades including an on-site composting area to meet residential yard waste disposal needs (Figure 2. Logan Lake Transfer Station Site Specific Map). In addition, the 1.92 hectares being applied for will ensure that the updated mapping for the License of Occupation will be correct.

The on-site composting area located north east of the current transfer station 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. Windrows at ideal levels do not need to be turned. 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.

The Nature and Location of All Proposed Improvements in Relation to the Application Boundary

The Crown land situated along Highway 97C will be used as a buffer area between the site and the highway with no improvements being made in this area. The area was included with the application to correct the previous site boundaries in Licence of Occupation No. 344771. The land located north east of the current transfer station location will contain a compost area. The windrows in the compost area will be approximately 5 meters or more from the property boundary in this area. The entire perimeter of the property will be fenced along the license of occupation boundary.

Proposed Development and Operation Schedule

The Logan Lake transfer station currently hosts one recycling bin for mixed household recyclables, two cardboard bins, a scrap metal pile, a white goods section, a waste oil recycling station, a yard waste collection pile and two 120 cubic yard waste collection trailers (referred to as a B-Train). The Logan Lake transfer station is one of the TNRD's busiest transfer stations servicing residents from Logan Lake and surrounding communities.



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Site upgrading began in 2010 with completion of new lock-block walls and compounds for waste diversion and resource recovery. Further improvements in 2011 include installation of a weigh scale facility and compost area.

In accordance with the TNRD's *Regional Solid Waste Management Plan (RSWMP) Section 5.14 Improvements to Selected Transfer Stations* states that "In order to improve the transfer station system it will be necessary to upgrade the remaining sites and construct some new ones in accordance with the system overview and optimization plan." The Logan Lake transfer station must be upgraded in accordance with section 5.14 of the RSWMP. Improvements to the site include:

- Addition of a clean wood waste pile for composting purposes;
- Yard waste drop off location for composting purposes;
- Product Care drop off locations for product stewardship programs including items such as household batteries, compact fluorescent lamps and paint;
- 'Drop and shop' area to facilitate sharing of useful items between residents;
- Commercial item recycle center for items including roofing material and gyprock; and
- Addition of a scale house to measure load weights for tipping fee purposes.

Construction time to upgrade the composting site is approximately three months. Stumps, trees, and large rocks will need to be removed from certain areas of the site. This will be done using land clearing equipment including an excavator for earth moving purposes. Additional retaining walls constructed using lock-blocks will be used in certain areas of the original site. The entire perimeter of the property will be fenced using 8 foot metal cage wire. This will help prevent litter blow out and ensure the property is secure, as many items on site have value. Hard surfacing (compact soil or asphalt) will be used for the composting windrows and proper yard waste drop off areas will be constructed that allow a small machine to push the dropped off waste over to the composting windrows. A solar panel system has already been installed on site for off-grid power which will be needed for the scale house, attendant office, and flood lights at drop-off areas and compost location.

The site will be manned by two transfer station attendants responsible for directing customers to proper drop off locations, ensuring contamination in the recycling areas is eliminated, and collecting tipping fees from customers paying for refuse disposal via the scale measurement. Residents can recycle as much as they want for free, and only pay for what material is being landfilled. This encourages recycling and covers the cost of waste management.

The site will be open during the winter (November 1-February 28) Tuesday-Sunday from 8am-4pm and during the summer (March 1-October 31) Tuesday-Sunday from 8am-6pm. The site will only be closed on Monday's in order to serve the area demand.

All Other Details of the Proposal

The Logan Lake composting site will be extremely beneficial to the community and will also allow the TNRD to better manage yard waste demands from residents in Logan Lake and surrounding areas. Expanding and upgrading the site will allow more material to be diverted




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from landfills helping to achieve the TNRD's waste reduction goal of 30%, a guiding principle of the RSWMP. All programs and policies in the RSWMP are designed to help the TNRD meet or surpass this goal.

A written demonstration that land applied for under this policy is required for the intended use, and suitable alternative land is not available

The land being applied for under this policy is required for the intended use and is the most suitable land available. The Logan Lake transfer station is one of the TNRD's busiest transfer stations. Expanding the services offered in the same location will be less impactful on the environment than disturbing another area. In addition, residents are familiar with the location of the transfer station and it would increase convenience to drop off more materials in one location instead of driving compost to a secondary location. Expanding the site as opposed to finding other suitable land will then cut down on vehicle emissions as residents can satisfy all of their waste and recycling needs at one location.

 Lyle Huntley
Signature
(Authorized Signatory)

January 5, 2011
Date