

Transfer Station Abandonment or Rehabilitation Closure Plan (Preliminary)

Anticipated Closure Date

The proposed Transfer Station is located within the existing Front End Processing building (FEP) of the Otter Lake Waste Management Facility. The long term future of the proposed Transfer Station is tied to the future of the FEP. Halifax Regional Municipality (HRM) intends to assess the future of the FEP, in its current configuration, during 2019. Having said this, HRM does not intend to close or abandon the FEP; rather the building will continue to be used for solid waste processing or it will be repurposed for another municipal purpose. In either case, the future of the proposed Transfer Station will not be impacted. Should the FEP building be repurposed, the proposed Transfer Station will continue in the intended location within the FEP.

The FEP building is located adjacent to the Otter Lake Residuals Disposal Facility (RDF). It is estimated that this landfill has a remaining life span that ranges from approximately 30 to 50 years depending on the amount of solid waste received. Accordingly, the prospective date of the closure of the FEP building cannot be reasonably estimated at this time. The life span of the proposed Transfer Station is expected to be less than or equal to the life span of the FEP building.

Building Closure

Should the site no longer be needed for waste processing/transfer, it will be decommissioned prior to any change in use. If it is determined that the facility will close, a site assessment will be undertaken and a closure plan will be completed prior to site closure.

Elements of this program would include the following:

- All receiving, processing and storage areas will be emptied and the material collected will be sent for disposal and recovered recyclables sent to market or disposal;
- All on-site equipment will be removed from the site, left to be re-used by a future operator, or sold;
- Deconstruction of mechanical and electrical systems;
- Deconstruction of the building's structure (frame, roof, walls, doors);
- Deconstruction of the concrete flooring and associated structural elements;
- Regrading of the site; and
- Landscaping.

Remaining Waste After Closure

There will be no remaining waste in the proposed Transfer Station after it is closed.

Post-Closure Control and Monitoring

Due to the location of the proposed Transfer Station, it will fall under the environmental monitoring program currently underway at the Otter Lake Waste Management Facility. This monitoring program consists of an extensive groundwater and surface monitoring program. The results of this program are distributed to Nova Scotia Department of the Environment (NSE) quarterly and an annual report is

published every year. This monitoring program will continue through the period that the Otter Lake Waste Management Facility continues to operate and for 30 years after its closure.

Other post-closure activities that will be carried out for the 30 year period will include the following:

- Final cover maintenance on the landfill;
- Surface water control maintenance;
- Erosion and sedimentation control maintenance;
- Leachate collection and treatment;
- Access control (fencing) maintenance;
- Leachate storage tank maintenance;
- Landfill gas system maintenance;
- Leak detection system monitoring of the RDF;
- Litter removal; and
- Regrading of unpaved roads.