

# Settlement Construction plan

## North/South Slope

Re: Ottawa LF Closure

### South Slope:

- 1.) Minimize areas of cover disturbance and exposed waste during filling operations.
  - a.) Access will be created to the lowest level of the slope to be filled. The slope will be filled from the bottom to the top in 3 M lifts working from East to West.
  - b.) Waste will be delivered to the working face by highway truck or off road truck.
  - c.) Cover will only be removed in the immediate area of the working face (6 M X 30 M).
  - d.) All disturbed areas will be covered each day.
- 2.) Odour control measures to be implemented.
  - a.) Three (3) additional gas collection wells will be installed in the area of the slope to be filled to provide extra capacity to remove LF gas.
  - b.) Surface scans will be done monthly in the area to be filled to identify areas of cover weakness where LF gas may escape. Any areas identified will receive additional cover.
  - c.) Daily odour inspections of the site perimeter will be made by site personnel. If odours are identified, the source will be tracked down and repaired.
- 3.) Need to fill the slope to the design lines and grades of the final slope to:
  - a.) Provide structural support for the Beanie Cap.
  - b.) Provide structural support to the slope.
  - c.) Provide structural support the final cap on the slope.
  - d.) Provide structural support infrastructure systems that provide the environmental controls for the landfill:
    - Surface water drainage control system
    - LF Gas collection and gas transport system
- 4.) Schedule for final cap construction:
  - a.) South Slope – September 30, 2011
  - b.) Beanie Cap – September 30, 2011

## North Slope:

- 1.0) Minimize areas of cover disturbance and exposed waste during filling operations.
  - a.) Only contaminated soil will be disposed on the North Slope as required by the Provincial Officer's Order dated December, 2007.
  - b.) Only final cover will be removed as there is no need to remove all cover for connection to the waste mass with the contaminated soil.
  - c.) The contaminated soil will be hauled by truck or pushed by heavy equipment for the bottom section of the slope or the haul road to the top of the landfill.
  - d.) A berm will be constructed at the top of the North slope to provide temporary support for the construction of the Beanie Cap in Phase 3.
- 2.) Odour control measures to be implemented.
  - a.) Three (3) additional gas collection wells will be installed in the area of the slope to be filled to provide extra capacity to remove LF gas.
  - b.) Surface scans will be done monthly in the area to be filled to identify areas of cover weakness where LF gas may escape. Any areas identified will receive additional cover.
  - c.) Daily odour inspections of the site perimeter will be made by site personnel. If odours are identified, the source will be tracked down and repaired.
- 3.) Need to fill the slope to the design lines and grades of the final slope to:
  - a.) Provide structural support for the Beanie Cap.
  - b.) Provide structural support to the slope.
  - c.) Provide structural support the final cap on the slope.
  - d.) Provide structural support infrastructure systems that provide the environmental controls for the landfill:
    - Surface water drainage control system
    - LF Gas collection and gas transport system