

APPENDIX I --PROPOSED ORGANIC IN-VESSEL FACILITY
- MITIGATION STRATEGY

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PARAMETER	PROPOSED MITIGATION
Surface Water	<ul style="list-style-type: none"> ● Surface water diversion ditches will be provided to keep run-off from entering the processing areas. ● Effluent from in-vessel facility will be collected and recirculated and reused in the in-vessel composting process. Excess effluent will be discharged to the existing leachate collection system at Hartland. ● Run-off from yard and leaf windrow operation to be monitored prior to discharge to surface drainage course. If run-off quality exceeds limits for discharge, it is to be filtered through a geotextile filter-lined infiltration pond prior to discharge or to be reused in the in-vessel composting process. If pond is impractical, pad could be paved and run-off handled as above.
Ground Water	<ul style="list-style-type: none"> ● Surface water will be controlled as above. ● Maintain existing ground water monitoring program. ● If required, increase the number of monitoring wells downstream of the site. ● If leachate is detected in monitoring wells, hydraulic traps will be constructed to confine leachate within the Heal Lake basin at Hartland and prevent its migration to the north.
Vegetation & Wildlife	<ul style="list-style-type: none"> ● Maintain natural treed buffer around development and wildlife habitat area. ● Mitigated through transfer of surplus lands to CRD Parks.
Traffic/Roads/Operations	<ul style="list-style-type: none"> ● Develop and implement traffic impact abatement program in concert with municipality, province, industry and communities to address: <ul style="list-style-type: none"> - developing standards for vehicles entering the site - developing agreements with major haulers - hours of operation - left hand turn lane - debris cleanup - developing communications system with residents to monitor vehicles - developing penalties for trucks not in compliance
Truck Access	<ul style="list-style-type: none"> ● Initiate a study related to safety and vehicle movement and its impact along Willis Point Road access to the facility, including its location and design standards. ● Develop terms of reference for study in consultation with the Willis Point Community Association and the Prospect Lake Community Association. ● Subject to Board approval, undertake any reasonable recommendations of the study.

PARAMETER	PROPOSED MITIGATION
Noise	<ul style="list-style-type: none"> ● Plant will be designed and operated to mitigate noise of fans, conveyors and other equipment, particularly outside daylight hours. ● Motorized equipment (tub grinders, loaders, trucks, etc.) will have appropriate noise abatement muffling systems.
Odour	<ul style="list-style-type: none"> ● In-vessel facility will be fully enclosed under low negative pressure. Air will be pumped through biofilter to eliminate odours outside the building. ● Yard and leaf windrow compost piles will be turned frequently to eliminate objectionable odours.
Aesthetics	<ul style="list-style-type: none"> ● Buildings and landscaping will be designed to be practical, meet municipal development requirements and be compatible with a rural setting.