

**Table 15-2: List of Commitments made by Taggart Miller during the EA**

<b>Number</b>	<b>Environmental Component (if applicable)</b>	<b>Commitment (Location of Where Commitment was Made in the EA Document Package)</b>	<b>Project Phase</b>
1	–	The Environmental Monitoring Plan will be a standalone document in the EPA Application. (EASR – Section 14.1)	Pre-construction
2	–	Implementation of all required Site effects monitoring and reporting programs. (EASR – Section 14.0 and Volume IV – Section 7.0)	Construction, operations and post-closure
3	Atmosphere	Maximize drive-through road patterns on-Site to minimize need for use of back-up alarms. (EASR – Section 11.1 and TSD #2)	Construction and operations
4		Paved roads in the northern part of the Site. (EASR – Section 11.1 and TSD #3)	Construction and operations
5		Berms to attenuate noise as required, i.e., from the active face of the landfill, entrance and on-Site haul roads, as required. (EASR – Section 11.1 and TSD #2)	Construction and operations
6		Truck waiting area inside the Site. (EASR – Section 11.1, TSD #2 and TSD #3)	Construction and operations
7		Maintain existing vegetation in buffer around Site perimeter or, where required construct perimeter screening berms with plantings on top. (EASR – Section 11.1 and TSD #3)	Construction and operations
8		Receiving of organics, and materials at the MRF and C&D processing facility, inside buildings. (EASR – Section 11.1, TSD #2 and TSD #3)	Operations
9		Biofilters on the exhaust of air from within the organics processing and PHC contaminated soil treatment facilities. (EASR – Section 11.1 and TSD #3)	Construction and operations
10		Dust collection system consisting of a bag house and cyclone on exhaust air from the MRF and C&D processing buildings. (EASR – Section 11.1 and TSD #3)	Construction and operations
11		Low permeability cover of organics primary reactor cells and PHC contaminated soil treatment cells. (EASR – Section 11.1 and TSD #3)	Operations
12		Flare for combustion of biogas captured from the organics processing and from the landfill. (EASR – Section 11.1 and TSD #3)	Operations
13		LFG collection system approach using horizontal collection from within the waste, installed during the filling period. (EASR – Section 11.1 and TSD #3)	Construction and operations
14		Truck tire wash for vehicles leaving the landfill area. (EASR – Section 11.1 and TSD #3)	Operations

Number	Environmental Component (if applicable)	Commitment (Location of Where Commitment was Made in the EA Document Package)	Project Phase
15		Place compacted granular materials and, if required, surface sealing on regularly used Site construction roads. (EASR – Section 11.1 and TSD #3)	Construction and operations
16		Use of typical best management practices for dust suppression, (e.g., covering vehicle loads, use of water or other suppressants, etc.) (EASR – Section 11.1 and TSD #3)	Construction and operations
17		Use equipment that complies with appropriate emission standards. (EASR – Section 11.1 and TSD #3)	Construction and operations
18		Minimize idling of vehicles on-Site. (EASR – Section 11.1 and TSD #3)	Construction and operations
19		Restrict the use of heavy equipment to daytime hours as best possible. (EASR – Section 11.1 and TSD #2)	Construction and operations
20		Maintain vehicles and equipment, and ensure they have noise suppression equipment. (EASR – Section 11.1 and TSD #2)	Construction and operations
21		Control speed limit for traffic on-Site. (EASR – Section 11.1 and TSD #2)	Operations
22		Time the frequency of turning of compost piles to avoid development of anaerobic conditions. (EASR – Section 11.1 and Volume IV)	Operations
23		Introduction of oxygen into the anaerobically digested organics reactors to establish aerobic conditions prior to uncovering them. (EASR – Section 11.1 and Volume IV)	Operations
24		Manage the working face of the landfill effectively to minimize potential for odorous emissions. (EASR – Section 11.1 and TSD #3)	Operations
25		Apply appropriate daily cover on landfill. (EASR – Section 11.1 and TSD #3)	Operations
26		Minimize the area of uncovered waste. (EASR – Section 11.1 and TSD #3)	Operations
27		Placement of final cover progressively on completed portions of the landfill component. (EASR – Section 11.1 and Volume IV)	Operations
28		Provide for odour control measures for leachate holding and treated effluent ponds. (EASR – Section 11.1 and TSD #3)	Operations and post-closure
29		Annually determine status of development applications on vacant land where sensitive land use could occur to assess requirement for noise mitigation. (EASR – Section 11.10 and TSD #2)	Operations

Number	Environmental Component (if applicable)	Commitment (Location of Where Commitment was Made in the EA Document Package)	Project Phase
30	Geology and Hydrogeology (Groundwater)	Engineered leachate/liquid containment for the landfill, leachate ponds, and organics processing and PHC treatment cells. (EASR – Section 11.1 and Volume III)	Construction, operations and post-closure
31		Perimeter liner system cut-off for the landfill, together with leachate collection system and LDSCS. (EASR – Section 11.1 and Volume III)	Construction, operations and post-closure
32		Adequate buffer width between landfill component and property boundary. (EASR – Section 11.1 and Volume III)	Construction and operations
33		Provide construction quality control on all liner and collection system installations. (EASR – Section 11.1 and Volume IV)	Construction and operations
34		Provide monitoring and maintenance of leachate collection system and LDSCS components. (EASR – Section 11.1 and Volume IV)	Operations and post-closure
35		Inspect construction and operating equipment regularly and repair promptly if found to be leaking. (EASR – Section 11.1 and Volume IV)	Operations and post-closure
36		Geotechnical monitoring of landfill settlement. (EASR – Section 11.1 and Volume III)	Operations and post-closure
37	Surface Water	Design surface water management systems to separate leachate and liquids from processing from clean surface water runoff. (EASR – Section 11.1 and Volume IV)	Prior to operations
38		Divert clean runoff to swales, ditches and ponds. (EASR – Section 11.1 and Volume IV)	Construction and operations
39		Design ditch systems to convey design storm flows. (EASR – Section 11.1 and Volume IV)	Prior to operations
40		Control post-development discharge flows to match pre-development conditions as close as possible. (EASR – Section 11.1 and Volume IV)	Prior to and during operations
41		Enhanced sediment removal in SWM system design. (EASR – Section 11.1 and Volume IV)	Prior to and during operations
42		Sedimentation and erosion control measures. (EASR – Section 11.1 and Volume IV)	Construction, prior to and during operations
43		Design and construct the component liners and leachate / liquid collection systems to safeguard surface water resources. (EASR – Section 11.1 and Volume III)	Prior to operations and construction
44		Implementation of a sediment and erosion control plan during construction and operations. (EASR – Section 11.1 and Volume IV)	Prior to operations, construction and operations

Number	Environmental Component (if applicable)	Commitment (Location of Where Commitment was Made in the EA Document Package)	Project Phase
45		Re-vegetate final landfill cover. (EASR – Section 11.1 and Volume IV)	Operations and post-closure
46		Provide monitoring and maintenance of stormwater ponds; provide valve(s) on ponds, where necessary depending on ongoing water quality monitoring, to be able to batch-discharge water from the ponds. (EASR – Section 11.1 and Volume IV)	Operations and post-closure
47		Provide monitoring and maintenance of leachate/liquid collection systems. (EASR – Section 11.1 and Volume IV)	Operations and post-closure
48		Use best management practices for erosion control until vegetation cover is established. (EASR – Section 11.1 and Volume IV)	Construction, operations and post-closure
49		Manage surface water on-Site; control off-Site stormwater discharge. (EASR – Section 11.1 and Volume IV)	Operations and post-closure
50		Operate, store and maintain (e.g., re-fuel, lubricate) all equipment and associated materials in an area away from surface water features in a manner that minimizes the potential for the entry of any deleterious substance into water bodies. (EASR – Section 11.1 and Volume IV)	Operations
51		Inspect construction and operating equipment regularly and repair promptly if found to be leaking. (EASR – Section 11.1 and Volume IV)	Construction and operations
52		Develop a spill response plan. (EASR – Section 11.1 and Volume IV)	Prior to construction and operations
53		Develop a Sediment and Erosion Control Plan as part of the City of Ottawa Site Plan Approval Process, for the EPA application and in support of permit applications to the SNC. (Volume II, Appendix K)	Prior to construction
54	Biology	Maintain existing perimeter vegetative buffers where possible. (EASR – Section 11.1 and TSD #4)	Prior to construction and operations
55		Remove vegetative cover progressively in sequence with Site development. (EASR – Section 11.1 and TSD #4)	Construction and operations
56		Stabilize and re-vegetate (or use other materials appropriate to Site conditions) areas of soil disturbed/exposed during construction. (EASR – Section 11.1 and TSD #4)	Construction, operations and post-closure
57		To the extent practical, limit the extent of disturbed areas and soil stockpiles, control their orientation (with respect to prevailing wind directions) and for piles to	Construction and operations

Number	Environmental Component (if applicable)	Commitment (Location of Where Commitment was Made in the EA Document Package)	Project Phase
		be left in place for a prolonged period of time seed to establish vegetation. (EASR – Section 11.1 and TSD #4)	
58		Schedule construction activities to minimize area and duration of soil exposure, to the extent practical. (EASR – Section 11.1 and TSD #4)	Construction and operations
59		Ongoing review of condition of revegetation and maintenance. (EASR – Section 11.1 and TSD #4)	Operations and post-closure
60		Apply best management practices in applying chemical dust suppressants, fertilizers, pesticides and herbicides, and minimize their use to the extent possible. (EASR – Section 11.1 and TSD #4)	Construction, operations and post-closure
61		Conduct all vegetation clearing activities outside the breeding bird season. (EASR – Section 11.1 and TSD #4)	Construction and operations
62		Prepare a worker awareness program to avoid harm to milksnake (a species of concern), if they are in the Site-vicinity. (EASR – Section 11.1 and TSD #4)	Construction and operations
63		Manage waste effectively to avoid attracting nuisance wildlife and pests, control the nuisance wildlife populations as permitted and required, and conduct periodic inspections to monitor effectiveness of the pest control. (EASR – Section 11.1 and TSD #4)	Construction and operations
64		Review significant wildlife habitat (SWH) with the City of Ottawa during its planning and permitting process. (Volume II, Appendix K)	Prior to construction
65		Obtain authorization from the MNR under the Endangered Species Act prior to submitting the planning application to the City of Ottawa as a result of barn swallow nests in the northeastern corner of the Site. (Volume II, Appendix K)	Prior to construction
66		No vegetation clearing between April 15 and August 15 unless a qualified biologist has checked for nests first. (Volume II, Appendix K)	Construction
AA		If Snapping Turtles are encountered they will only be trapped pursuant to a license, as required under the provincial Fish and Wildlife Conservation Act. (response to MNRF comment, 10Dec2015)	Construction and operations
BB		Any applicable requirements of the Ontario Invasive Species Act (2015) will be addressed in the development of the Site. (response to MNRF comment, 10Dec2015)	Construction and operations

Number	Environmental Component (if applicable)	Commitment (Location of Where Commitment was Made in the EA Document Package)	Project Phase
CC		Prior to any fish salvage and relocation, a scientific collection permit will be obtained from the MNRF. (response to MNRF comment, 10Dec2015)	Prior to construction, construction
67	Land Use & Socio-economic	Maintain appropriate buffer between proposed on-Site activities and off-Site land uses. (EASR – Section 11.1 and TSD #5)	Construction and operations
68	and	Control off-Site nuisance emissions, i.e., air, odour, dust in accordance with MOECC standards. (EASR – Section 11.1 and TSD #3)	Construction and operations
69	Agriculture	Maintain perimeter vegetative buffers where possible; construct screening features where there is not already a significant stand of trees. (EASR – Section 11.1 and TSD #5)	Construction and operations
70		Provide Property Value Protection Plan (EASR – Section 11.1 and EASR Section 15.0)	Construction and operations
71		Provide Community Benefits - an annual per tonne royalty of \$0.47 has been offered to a local community association, to be administered by a new community based group. There has however been no response to this offer.	Operations
72		Purchase goods and services locally where reasonably possible. (EASR – Section 11.1 and TSD #5)	Construction and operations
73		Minimize on-Site generation and accumulation of litter. (EASR – Section 11.1, TSD #5 and Volume IV)	Construction and operations
74		Use litter fencing to control windborne trash from leaving Site. (EASR – Section 11.1, TSD#5 and Volume IV)	Operations
75		Regularly clean up litter both on-Site and in the Site- vicinity. (EASR – Section 11.1, TSD #5 and Volume IV)	Operations
76		Establish procedure to register and address complaints. (EASR – Section 11.1 and TSD #5)	Prior to construction and operations
77		Use best efforts to establish a community liaison committee. (EASR – Section 11.1 and EASR Section 15.0)	Prior to operations
78	Culture and Heritage Resources	Should any archaeological resources be discovered, cease all alteration of the Site immediately and engage a licensed consultant archaeologist to carry out archaeological fieldwork. (EASR – Section 11.1 and TSD #6)	Construction and operations
79		Should any human remains be discovered, the police or coroner and the Registrar of Cemeteries at the Ministry of Consumer Services must be notified. (EASR – Section 11.1 and TSD #6)	Construction and operations

Number	Environmental Component (if applicable)	Commitment <i>(Location of Where Commitment was Made in the EA Document Package)</i>	Project Phase
80		If during the process of development any archaeological resources or human remains of potential Aboriginal interest are encountered, the Algonquins of Ontario Consultation Office will be contacted. <i>(EASR – Section 11.1)</i>	Construction and operations
81	Traffic	Provide required intersection improvements at the Site access location off Boundary Road (left turn lane into the Site). <i>(EASR – Section 11.1 and TSD #9)</i>	Prior to operations
82		Provide on-Site queuing area of sufficient capacity to avoid truck queuing on Boundary Road. <i>(EASR – Section 11.1, TSD #9 and Volume IV)</i>	Prior to operations

**Note:** Taggart Miller will report compliance monitoring to the MOECC annually regarding the status of these commitments until such time as all commitments are completed or addressed in EPA/OWRA conditions of approval.