

SCHEDULE B

TABLE OF PROPONENT'S COMMITMENTS

REFERENCE IN APPLICATION	COMMITMENTS	RELEVANT AGENCY	PROJECT PHASE	STATUS
1.0 Environmental Management and Protection				
Executive Summary, Sections 1.3, 3.1, and 3.2.6	The Proponent must design the Project with a triple liner system (two layers of geosynthetic material and one engineered compacted clay base layer) to the satisfaction of the Ministry of Environment. Liners must be installed using acceptable quality assurance and control procedures under the supervision of a qualified and experienced installation expert to the satisfaction of the Ministry of Environment.	MoE	Design/Construction	
Executive Summary, Sections 1.3, 2.1.7, 2.2.2, 7.2.8	The Proponent must install an appropriately-sized game fence topped with multiple strands of barbed wire around the entire site to prevent wildlife from entering to the satisfaction of the Ministry of Environment. Additional fencing (such as a page wire fencing system) may be required if the chain link fence is deemed unable to prevent animals with great jumping capabilities from entering the site.	MoE (also ongoing consultation with First Nations including elders)	Construction	
Sections 1.3, 3.2.5, 3.2.6, 10	The Proponent must use berms and surface grading as required by the Ministry of Environment to prevent surface water from entering the landfill cells.	MoE	Construction	
Sections 1.3, 3.1, 3.2.6, 10	The Proponent must transfer any surface water that does enter the landfill to a lined storage pond where it must be visually inspected, tested, treated and/or disposed of as appropriate, to the satisfaction of the Ministry of Environment.	MoE	Operation	
Sections 1.3, 3.1, 7.3.6, 9.3	The Proponent must install a leachate monitoring system within each landfill cell and this system must be monitored and recorded on a minimum schedule of once per month, to the satisfaction of the Ministry of Environment.	MoE	Construction	
Section 7.3.6	The Proponent must ensure that the leak/leachate detection system is designed and reviewed by a qualified professional or a team of qualified professionals, and installed under the supervision of a qualified and experienced installation expert to the satisfaction of the Ministry of Environment.	MoE	Design/ Construction	

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Sections 1.3, 3.1, 3.2.6	The Proponent must ensure that any leachate collected from the landfill is stored, tested, treated, and disposed of in a manner acceptable to the Ministry of Environment.	MoE	Operation/ Decommissioning	
Section 7.3.5	The Proponent must construct all groundwater monitoring wells in accordance with the BC Groundwater Protection Regulation and the <i>Environmental Management Act</i> to prevent potential adverse effects on the groundwater or surface water.	MoE	Construction/ Operation	
Sections 1.3, 3.1, 3.2.6, 6.4.3, 9.4	The Proponent must monitor and maintain the existing groundwater quality monitoring system for baseline sampling purposes to the satisfaction of the Ministry of Environment; additional wells may be required, as determined by project engineers or the Ministry of Environment.	MoE, NH	Construction/ Operation	
Section 6.4.3	The Proponent must, under the direction of a qualified professional, prepare a completed, formal groundwater monitoring and sampling plan, to the satisfaction of the Ministry of Environment, that includes multiple redundant monitoring systems, prior to commencement of operation.	MoE, NH	Design	
Sections 1.3, 3.1	The Proponent must, under the direction of a qualified professional, close and cap each landfill cell with multiple engineered layers, including geosynthetic material and soil, and a vegetation cover must be established to the satisfaction of the Ministry of Environment.	MoE	Decommissioning	
Sections 6.4.4, 7.4.3	The Proponent must retain a professional agrologist during decommissioning to ensure that an appropriate seed mixture that includes species that are less appetizing to local wildlife (to minimize grazing and prevent animals from being attracted to the site) is used for the vegetative cover.	MAL, MoE	Decommissioning	
Sections 1.3, 2.1.5, 3.2.11, 7.4.1	The Proponent must prepare and implement a minimum 25-year post-closure monitoring plan (details of which must be available upon final engineering design completion and which must be acceptable to the Ministry of Environment) to ensure continued protection of groundwater and other environmental resources.	MoE	Post-decommissioning	

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Sections 1.3, 3.1, 3.2.11, 7.4..1	The Proponent must post a closure bond (in an amount satisfactory to the Ministry of Environment and held in trust by the Crown) to protect the public from bearing future closure costs if the Proponent abandons the landfill prior to completing proper closure or post-closure activities.	MoE	Design	
Sections 3.2.5, 7.2.6, 10	The Proponent must strip topsoil and subsoil in distinct layers and stockpile these materials in separate areas to maintain the integrity of the different materials.	MAL, MoE	Construction	
Sections 3.2.5, 10	The Proponent must mulch any smaller vegetation (e.g. shrubs, mosses, and grasses) removed during construction and incorporate this mulched material into stockpiled topsoil to aid in re-vegetation during final project decommissioning.	MAL, MoE	Construction/ Decommissioning	
Section 10	The Proponent must inspect surface water impoundments daily during construction for sediment load, and must only discharge any sediments to the environment in a manner specified by the Ministry of Environment.	MoE	Construction	
Sections 7.2.15, 10	The Proponent must store fuel for construction equipment in double-walled skid-mounted tanks and the fuel storage area must be inspected visually at least once per day, to the satisfaction of the Ministry of Environment. Records of fuel usage must be kept by the Proponent for comparison with volume delivered.	MoE	Construction	
Section 7.2.15	The Proponent must develop a documented inspection procedure for leaks of fuel or other construction-related materials (e.g. lubricant) prior to construction to the satisfaction of the Ministry of Environment, and this procedure must be provided to and implemented by the on-site foreman and construction site supervisor.	MoE	Construction	
Sections 7.2.15, 10	The Proponent must ensure that a spill response plan, acceptable to the Ministry of Environment, is in effect and that appropriate fuel spill response materials are available on-site prior to the start of construction. The Proponent must also ensure that employees are trained in spill response procedures.	MoE	Construction	

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Section 7.2.12	The Proponent must ensure that the construction site supervisor is responsible for monitoring traffic during construction in order to respond to potential or observed conflicts/issues related to effects of traffic on the environment, as required by the Ministry of Environment.	MoE	Construction	
Section 7.2.12	The Proponent must ensure that an emergency response plan, detailing required actions in the event of an environmental emergency, is prepared to the satisfaction of the Ministry of Environment, and is available to the construction site supervisor.	MoE	Construction	
Section 7.3.5	The Proponent must ensure that an overall environmental monitoring plan for the Project that deals with all environmental aspects of operation, including monitoring and sampling programs, is completed to the satisfaction of the Ministry of Environment..	MoE, NH	Construction/ Operation	
Section 7.4.2	The Proponent must supervise decommissioning of the Project to ensure that all associated infrastructure is removed from the site and that all excavations are safely backfilled and compacted, to the satisfaction of the Ministry of Environment.	MoE	Decommissioning	
Section 9.6	The Proponent must ensure that slope erosion is monitored daily and any observed erosion is mitigated through the use of erosion control products (e.g. coconut matting, soil grid, woven geosynthetic) to the satisfaction of the Ministry of Environment.	MoE	Operation	
Section 9.8	The Proponent must ensure that vegetation within Project site boundaries is controlled to the satisfaction of the Ministry of Environment and/or the Ministry of Agriculture and Lands, with a combination of mowing and approved, low environmental impact chemicals in order to minimize potential for fire and weed propagation.	MAL, MoE	Operation	
Section 9.13	The Proponent must ensure that soils that contain obviously dissimilar contaminants are physically separated within a cell to minimize potential for chemical cross-reaction, as directed by the Ministry of Environment.	MoE	Operation	

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Section 9.13	The Proponent must ensure that an underlying layer of neutralizing material (e.g. lime) will be used whenever reactive or corrosive material is accepted for disposal, as directed by the Ministry of Environment.	MoE	Operation	
Section 9.13	The Proponent must not accept free liquids for disposal at the Project.	MoE	Operation	
Working group meeting (May 14, 2008)	The Proponent must not accept naturally occurring radioactive materials for disposal at the Project; sensitive, calibrated equipment, satisfactory to the Ministry of Environment, must be used to detect such materials.			
Proponent issue and response tracking table	It is the intent of the proponent to accept contaminated soil from a radius of approximately 100 miles from the Project site. The traditional territory of the Doig River First Nation is intended to be the primary focus of this Project. Acceptance from other areas under the jurisdiction of Treaty 8 will be considered upon consultation with representatives of the Doig River First Nation.	EAO	Operation	
Working group meeting (May 14, 2008)	The Proponent must include a steam and wash pad in the Project to clean trucks to the satisfaction of the Ministry of Environment and/or the Ministry of Agriculture and Lands, to prevent the spread of contamination or the transmission of noxious weed seeds via trucks.	MAL, MoE	Operation	
Working group meeting (May 14, 2008)	The Proponent must support and keep apprised of treatment technology for contaminated soils; should the technology evolve such that at some time in the future remediation of the soils stored in the landfill would be economically and environmentally feasible, the Proponent must consider using that technology to remediate the landfilled soils.	MoE	Operation/Decommissioning/Post-decommissioning	
Proponent issue and response tracking table	The Proponent must set aside an area of the project site for use in the development of environmentally sound remediation technology.	MoE	Operation	
2.0 Operational Management and Quality Control/Assurance				

REFERENCE IN APPLICATION	COMMITMENTS	RELEVANT AGENCY	PROJECT PHASE	STATUS
Executive Summary, Sections 3.1, 3.2.6, 3.2.10	The Proponent must ensure that internal and external audits take place during construction and operation, to the satisfaction of the Ministry of Environment, to ensure overall effectiveness of the system.	MoE	Construction/ Operation	
Section 3.2.6	The Proponent must ensure that a written record of each inspection audit is created by the landfill manager and retained on file for future audit, to the satisfaction of the Ministry of Environment.	MoE	Operation	
Section 3.2.6	The Proponent must develop a comprehensive plan for the screening and acceptance of waste (that requires the waste generator to submit a chemical analysis of the waste from an accredited laboratory and that requires all characteristics of the waste to be within parameters specified in the landfill's operating permit) to the satisfaction of the Ministry of Environment.	MoE	Operation	
Section 3.2.6	The Proponent must track each truck load of waste that is accepted into the landfill according to procedures acceptable to the Ministry of Environment.	MoE	Operation	
Section 3.2.6	The Proponent must collect a waste sample from approximately every 15th truck load, and submit such samples to an independent accredited laboratory for chemical analysis, as directed by the Ministry of Environment. The Proponent must compare the lab results with those provided by the waste generator, and if the independent results indicate that the waste is not acceptable for disposal at the landfill, the Proponent must arrange for the waste generator to have the waste removed from the landfill and relocated to an appropriate waste facility.	MoE	Operation	
Section 3.2.6	The Proponent must record and monitor quality control and quality assurance procedures regularly, in a manner that is satisfactory to the Ministry of Environment.	N/A	Operation	

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Section 3.2.6	The Proponent must schedule and implement maintenance activities (such as weed control, site grading, maintenance of the integrity of storm water ponds and run-on-run-off surface water control berms, scale calibration and maintenance, liner and leachate collection system inspection procedures, leak detection system monitoring and maintenance), as required by the Ministry of Environment. Each activity must be scheduled on a timetable that suits the activity and the Ministry of Environment's requirements.	MoE, MAL	Operation	
Section 3.2.7	The Proponent must develop a site monitoring plan that is acceptable to the Ministry of Environment. A written record of all sampling event times, dates, and field screening parameters must be maintained throughout the lifetime of the landfill.	MoE	Operation	
Section 3.2.8	The Proponent must monitor and record the leak detection system on a minimum schedule of once per month, to the satisfaction of the Ministry of Environment.	MoE	Operation	
Section 3.2.10	The Proponent must develop a site access plan that includes procedures for exterior fence continuity inspections and monitoring of public access during non-operational hours, to the satisfaction of Northern Health and the Ministry of Environment.	NH, MoE	Operation	
Section 8.0	The Proponent must ensure that the following plans are developed, to the satisfaction of Northern Health and the Ministry of Environment, prior to construction and operation of the Project: Safe Operating Procedures, Emergency Response Plan, Spill Response Plan, and Health and Safety Policy.	MoE, NH	Design	
Section 11.1	The Proponent must develop a Waste Management Plan prior to the construction or operation of the Project to the satisfaction of the Ministry of Environment.	MoE	Design	
3.0 Aesthetics and Noise				
Executive Summary, Sections 2.1.7, 2.2.3, 7.3.2	The Proponent must incorporate an undisturbed buffer zone of approximately 30 metres between the road (PDR 200) and landfill facilities into the overall project design to minimize visual impact from the road, to the satisfaction of the Integrated Land Management Bureau.	MAL (Integrated Land Management Bureau)	Design/ Construction	

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Executive Summary, Section 2.2.3	The Proponent must construct the access road to the landfill in a way that limits visibility of the site from PDR 200, to the satisfaction of the Integrated Land Management Bureau.	MAL (Integrated Land Management Bureau)	Construction	
Section 10, Section 2.1.7	The Proponent must maintain a treed buffer zone of approximately 30 metres between the project site and any existing open areas to minimize noise transmission and potential effects on wildlife, to the satisfaction of the Ministry of Environment.	MoE	Design/ Construction	
Section 2.1.5	The Proponent must close each block of the landfill as it is completed/filled, in a manner that is acceptable to the Ministry of Environment.	MoE	Operation	
Section 2.1.5	The Proponent must reclaim the surface of the landfill upon decommissioning to the satisfaction of the Ministry of Environment, with the goal that it can be returned to productive use as wildlife habitat in the long term.	MoE	Decommissioning	
Section 3.2.11	Upon decommissioning, the Proponent must grade, contour and re-vegetate the entire site to blend as much as possible with the surrounding landscape, to the satisfaction of the Ministry of Environment.	MoE	Decommissioning	
4.0 Health and Safety				
Sections 10, 11.5	The Proponent must develop and implement a dust control plan prior to construction, to the satisfaction of the Ministry of Environment.	MoE	Design/ Construction	
Sections 7.2.17, 10	The Proponent must ensure that modern, properly maintained construction and maintenance equipment containing effective emissions control devices are used to minimize adverse effects on air quality.	MoE	Construction/ Operation	
Section 3.2.5	The Proponent must ensure that an emergency response plan, acceptable to Northern Health, is developed when final construction engineering is completed, and that this plan includes directions to the site, co-ordinates of the site, contact numbers, designated drivers, and procedures.	NH	Design	
Section 3.2.5	The Proponent must ensure that BC Level 3 First Aid services, acceptable to Northern Health, are available on-site for the duration of construction.	NH	Construction	

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Section 3.2.5	The Proponent must ensure that emergency procedures, acceptable to Northern Health, are posted within the site prior to the commencement of construction, to ensure the safe and efficient construction of the landfill facilities.	NH	Design	
Section 5.2.6	The Proponent must ensure that air quality at the site is monitored for levels of oxygen, carbon monoxide, escaping methane, and other flammable vapours in a manner acceptable to the Ministry of Environment.	MoE	Operation	
Section 6.2.10	The Proponent must ensure that all employees and contractors for the landfill have first aid training, as required by Northern Health.	NH	Operation	
Section 7.2.14	The Proponent must ensure that sanitary facilities for workers are evacuated and cleaned frequently in a manner acceptable to Northern Health.	NH	Construction/ Operation	
Section 7.3.8	The Proponent must ensure that sanitary facilities use a corrosion resistant fibreglass tank, and vacuum truck companies specializing in removal of untreated sewage from remote locations are used in a manner acceptable to Northern Health and the Ministry of Environment to minimize the risk of contact between sewage and humans or the environment.	MoE, NH	Construction/ Operation	
Section 7.3.9	The Proponent must ensure that ample bulk and bottled water is supplied for staff consumption to prevent consumption of grey water from unsanitized holding tanks.	NH	Construction/ Operation	
Section 7.3.11	The Proponent must ensure that garbage is stored in bear-proof outdoor containers to reduce wildlife attractants for ultimate disposal in a manner acceptable to Northern Health and the Ministry of Environment.	MoE, NH	Construction/ Operation	
Section 7.5.7	The Proponent must ensure that fugitive odour emissions are monitored in a manner acceptable to Northern Health and the Ministry of Environment by on-site staff and that any aberration is investigated and rectified prior to continuation of operations.	MoE, NH	Operation	
5.0 Consultation				
Section 2.1.4	The Proponent will consult with Treaty 8 Chiefs on a quarterly period for the first two years following construction, and annually thereafter.	EAO	All phases	

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Section 2.1.4	The Proponent will provide construction and operational details/updates and environmental monitoring results, and disclose any regulatory issues to Treaty 8 Chiefs either in person or by electronic communication.	EAO	All phases	
Section 2.1.4	The Proponent will advise Treaty 8 Chiefs on emerging business and employment opportunities linked to the project in person or by electronic communication.	EAO	All phases	
Section 2.1.7	The Proponent will continue to address First Nations concerns as they are raised during the ongoing consultation process.	EAO	All phases	
Section 2.1.9	The Proponent will continue to maintain contact with all relevant government regulatory agencies throughout the duration of this Project.	All	All phases	
Section 2.1.11	The Proponent will continue to keep industry in the project area apprised as to the status of the Project, and will to address any industry concerns or issues as they arise.	EAO	All phases	
Section 2.3.2	The Proponent will provide status updates to government agencies during each phase of project development.	All	All phases	
6.0 Heritage/Archeological Resources				
Section 6.5.5	The Proponent must immediately contact the BC Archaeology Branch (Ministry of Tourism, Culture and the Arts) if unexpected archaeological features are discovered during construction or operation of the project.	MTCA	Construction/ Operation	
Section 11.2	The Proponent will negotiate with the Doig River First Nation to have an Elder or Elder-appointed community member present on-site for the duration of excavation activities in order to assess archaeological resources in real time.	MTCA	Construction	

Abbreviations Used:

EAO - BC Environmental Assessment Office

MAL - BC Ministry of Agriculture and Lands

MoE - BC Ministry of Environment

MTCA - BC Ministry of Tourism, Culture and the Arts

NH - Northern Health