

Schedule 3 – Peer Review Panel Scope of Responsibility

WOODSTOCK QUARRIES LANDFILL

PROPOSED SCOPE OF RESPONSIBILITY FOR A PEER REVIEW PANEL - DRAFT

Preamble

The Peer Review Panel (PRP) will be an independent body of experts engaged at WQL's cost to oversee parts of the activities on the site that are unique to waste containment, waste management and landfilling.

The scope is intended to avoid gaps in oversight and review (to address aspects that will not be routinely addressed by others), avoiding double ups (so that any aspects that will be addressed by others are overseen and reviewed).

The PRP scope will include oversight, feedback, advice, review and in appropriate cases, approval of design, construction, operations, site maintenance and monitoring. The scope is intentionally broad, but well defined in the table below, in that it may include the lining system, land stability, waste acceptance, waste placement, cover, sediment control, landfilling operations, gas capture and water quality.

Activity	PRP Scope	Condition
Applicable Land titles	Titles listed in the landfill's resource consents.	
Inclusions	<p>Includes activities described in this table that take place within the applicable land titles and fall under the Resource Management Act 1991.</p> <p>Includes administrative activities related to the landfill's resource consents that may take place off the land e.g. meetings and liaison.</p>	
Exclusions	<p>Excludes review of any work not directly related to landfill, in or on:</p> <ul style="list-style-type: none">• Land outside the Landfill site• Legal roads outside the WQL property• Buildings inside or Outside the Landfill site subject to Building Consents (other than dams and sediment ponds)• Landfill gas treatment air discharges and leachate treatment air discharges (insofar as these matters are addressed by ECan's air quality experts)• Greenhouse gas capture, destruction and reporting (matter for EPA) <p>Excludes review of any activity that:</p> <ul style="list-style-type: none">• falls under the Health and Safety at Work Act 2015• falls under the Building Act 2004 (other than dams)	

Membership	<p>WQL selects, invites and seeks agreement of potential individual members to join the PRP, requests approval by ECan and WDC, and upon those Councils' approval engages the members.</p> <p>The PRP and WQL jointly share responsibility for current terms of engagement.</p> <p>The PRP may at its discretion and reasonable cost co-opt or commission expertise outside of their own in order to fulfil the PRP's function.</p>	
Landfill management	<p>Review of the range of knowledge and experience of staff appointed by WQL to the two principal positions of responsibility, i.e. for construction management and site operations management, and to provide that review to WQL and the Councils.</p>	
Six-monthly report	<p>Topics to be covered:</p> <ul style="list-style-type: none"> • PRP membership and deliberations • matters reviewed and reported • approvals given • geotechnical investigations • engineering final design • construction activity • construction quality assurance • lining system performance • waste pile stability • land movement and stability • waste containment • leachate containment and collection • leachate handling and disposal on site • landfill gas capture • landfill gas monitoring of fugitive emissions and subsurface migration • odour • groundwater and surface water quality • failures and damage relating to any above topic, and response by WQL 	
Monthly reports	<p>Review and feedback to WQL on monthly reports and information packages provided by WQL so that the PRP may address in a timely way any of the topics listed for the six-monthly reports.</p>	
Seasonal construction design including lining system	<p>Review and approval of final design of each phase in accordance with the consented concept design (which may include correspondence with and amendments by WQL before completing final design)</p> <p>Review and approval of any more than minor modifications to the consented concept design</p> <p>Copies of final approvals sent direct to the Councils.</p>	

Seasonal construction in progress including lining system	Oversight of general phase construction and lining system construction activity in progress and quality assurance in progress as required to support approval at completion of each construction phase prior to waste placement.	
Seasonal construction completion including lining system	Review of construction and quality assurance records collated by the QA organisation upon completion of each phase. Approval of each phase construction as 'fit-for-purpose' and approval of each phase lining system upon completion as 'in accordance with design and design intent'. Review of subgrade inspection reports by the independent QA organisation and the designer's representative. Submission of PRP final approvals direct to the Councils at completion of each construction and lining phase prior to waste placement.	
Independent QA testing	Review and advice on the suitability of the QA testing organisation retained or proposed to be retained by WQL. Review and approval in advance of the arrangements for independent QA testing to achieve the designer's specifications (such arrangements to include independent geotechnical testing, land surveying set-out and as-built, and independent engineering oversight).	
Waste mass	Review and advice on any matter related to or influencing waste pile land stability which may include but not be limited to: waste composition; waste moisture; leachate levels; leachate generation; stormwater infiltration controls; cover and capping; settlement; waste placement methods; waste layout and sequence insofar as it relates to stress on the lining system and slope stability.	
Environment Canterbury and Waimakariri District Council	Provision of regular reports described in this table. Response to inquiries from the Councils seeking clarification on matters within the PRP's scope.	
Landfill Management Plan	Review and approval of the overall LMP (which may include correspondence with and amendments by WQL prior to finalising), excluding advice on the PRP's own recommendations.	
Leachate recirculation	Approval of the areas, procedures and volumes for the disposal of leachate into the landfill.	

Technical review	<p>Any technical review requested by WQL that relates to the landfill.</p> <p>Advice upon request from WQL or the Councils on how landfill operations on site within the PRP scope may contribute to compliance on matters outside the PRP scope.</p>	
Meetings	<p>Meeting with WQL at such frequency as the PRP reasonably consider necessary to discharge their functions, but not less than three times in any calendar year unless specifically agreed by both parties.</p> <p>Setting agenda that accommodates discussion on any matter within the scope of the PRP.</p>	

