Priority	Required works
1	5. Undertake surface EM geophysical survey to identify any shallow bedrock to allow better characterisation of the site's hydrogeology.
	6. Undertake an appropriate Geotechnical Investigation (including geophysical techniques such as microgravity techniques and multichannel analysis of surface waves (MASW) to identify the presence of karst-like features in spongelite beneath the site that could form conduits for landfill leachate and gases in accordance with Australian Standards.
2	7. Assess the properties of the aquifers through appropriate tracer testing (colour, chemical, isotopes) to determine residence times, groundwater mixing and flow pathways.
	Installation of a monitoring bore in the Werillup formaiton to determine its characteristics. Installation includes supervison by a qualified hydrogeologist, logging and sampling.
3	12. Demonstrate the effectiveness and appropriateness of contingency actions through a numerical groundwater flow and solute transport simulation model, which must be developed in accordance with the Australian Groundwater Modelling Guidelines.
	13. Prepare a Contingency Action Plan to prevent contaminated water from migrating into surrounding aquifers. The plan should Outline the outcomes/objectives, management, monitoring, trigger/threshold and contingency actions (incl. interception bores) to ensure potential impacts (direct and indirect) are managed.
	40. Outline the outcomes/objectives, management, monitoring, trigger and contingency actions to ensure potential impacts (direct and indirect) are managed.
4	11. Undertake a Phase 2 Hydrogeological Risk Assessment using an appropriate technique determined in consultation with DWER to determine potential impacts to nearby sensitive receptors.
5	15. Commission a qualified and experienced hydrogeologist to undertake an independent peer review of all hydrogeological and geological information and characterisation and commit to any works arising from the peer review.
6	30. Undertake a Tourism Impact Assessment in consultation with local tourism operators
	31. Undertake a risk assessment to identify potential impacts to agriculture and aquaculture within the region in consultation with the local land holders and the Department of Agriculture and Food.
	21. Undertake a Stability Risk Assessment to determine the potential stability risks and engineering requirements for the facility.
	16. Prepare a Surface Water Management Plan to cater for 1 in 300 year rainfall events
	17. Prepare a Leachate Management Plan (LMP) to cater for 1 in 300 year rainfall events.
	29. Undertake a Traffic Impact Assessment in accordance with Main Roads and Shire requirements.
	32. Undertake a Landfill Gas Risk Assessment and Management Plan.
	Engage a qualified ecologist to undertake baseline feral animal monitoring
	39. Prepare a Community Consultation Report outlining key consultation undertaken on the project, comments raised on the project and the Shire's response.
	Preparation and submisison of an Environmental Review Document that presents all information gathered from the environmental scoping document required works.
	1. Characterise baseline surface, hydrological and hydrogeological regimes and the sites geological characteristics, both in a local and regional context, including but not limited to water levels, water chemistry, stream and groundwater flows and flood patterns.
	19. Characterise the baseline geology, geotechnical and hydrogeological attributes at the site.
	18. Demonstrate how the EPA's objective for this factor can be met.
	24. Demonstrate how the EPA's objective for this factor can be met.
	27. Characterise the heritage and cultural values of proposed disturbance areas and any other areas that may be indirectly impacted to identify sites of significance and their relevance within a wider regional context.
	38. Determine the proposed management, monitoring and mitigation methods to minimise social impacts as a result of implementing the proposal.
	23. Outline the outcomes/objectives, management, monitoring, trigger and contingency actions to ensure potential impacts (direct and indirect) are managed.
	41. Demonstrate how the EPA's objective for this factor can be met.
	Assess the potential for increased feral animal activity and the potential impacts of feral animals as a result of operation of the landfill. Describe the best practice management measures to be implemented to ensure feral animals are adequately managed
	Provide a detailed description (including quantifying emissions) of the potential impacts to air quality as a result of greenhouse gas emissions generated by the decomposition of landfill material
	Identify best management practices that may be incorporated into the design of the facility to minimise the release of greenhouse gas emissions from the site.
	Preparation of an operational and environmental management plan to detail the operational and environmental management requirements for the EWMF.
	Preparation and submisison of a Works Approval application inculding supporting doucmentation and application form.

COMPLETED

2. Undertake an adequate Hydrogeological Investigation and Hydrogeological Risk Assessment to inform the Phase 2 Hydrogeological Risk Assessment
4. Provide a detailed description and location of the proposal including an outline of the current (evidenced based) understanding of surface water and groundwater systems and their interactions, and detail how the development might alter these processes, including the potential surface water or groundwater impacts. This includes the provision of a detailed figure depicting the sensitive receptors within the locality (including Ramsar wetlands, Wetlands of National Importance and local surface water bodies).
8. Provide a conceptual model of the surface and groundwater systems including the extent of the seasonal connectivity between surface and groundwater systems, as well as connectivity to sensitive receptors (Ramsar Wetlands, Wetlands of National Importance and local surface waterbodies) and demonstrate that any migration of seepage from the site will not have a detrimental impact on these sensitive receptors.
9. Provide a geochemical risk characterisation of the waste material to be placed within the Class III landfill.
10. Undertake a Geotechnical Investigation in accordance with Australian Standards.
14. Undertake a robust Peer Reviewed pump testing program conducted by a qualified and experienced hydrogeologist in accordance with AS 2368- 1990 to further understand the site hydrological regime.
20. Demonstrate conformance with internationally and/or interstate recognised design criteria for landfill containment cell design. The design of the cells should ensure long term encapsulation of waste that reduces risk to the environment and environmental values to an acceptable level.
22. Determine the proposed management, monitoring and mitigation methods to minimise land and soil impacts as a result of implementing the proposal.
25. Undertake a detailed Site Section Process to identify a suitable site.
26. Characterise the social aspects on and surrounding the site through a Due Diligence Assessment.
28. Compare the site attributes with relevant separation distances to ensure it meets the recommended buffer distances
33. Compare the site attributes with BPEM landfill separation distances to ensure it meets the recommended buffer distances.
34. Undertake an Odour Impact Assessment in accordance with Department of Environment: Air Quality Modelling Guidance Notes (March 2006) to determine potential impacts to nearby sensitive receptors. Assess two potential scenarios for the EWMF: a. Scenario One: Assess peak odour emissions based on a tonnages throughput of 20,000 tonnes per annum (tpa) to include food and organics. b. Scenario Two: Assess a reduction (50% - 75%) in putrescibles and green waste organics from the waste stream prior to the landfill, where the landfill will revert to largely an inert configuration.
36. Undertake a Noise Impact Assessment in accordance with Environmental Protection (Noise) Regulations 1997 and Draft Guidance Note 8 Guideline on Environmental Noise for Prescribed Premises.
37. Undertake an Odour Impact Assessment in accordance with Department of Environment: Air Quality Modelling Guidance Notes, March 2006
Determine the potential for threatened or priority subterranean fauna species or communities to be located within the development footprint including relevance within a wider regional context through a desktop assessment using DBCA and Western Australian Museum (WAM) database search requests.
Engage a qualified ecologist to conduct a Level 1 terrestrial fauna survey across the site in accordance wiith EPA Guidance documentation
Determine the potential impact on any identified threatened and priority fauna on or immediately surrounding the site.

ONGOING

3. Conduct monthly groundwater monitoring and quarterly sampling for a minimum period of twelve months to determine the baseline water quality beneath the site. The water parameters to be measured will include, but will not be limited to: standing water level, pH, electrical conductivity, metals and organic chemicals and per- and poly-fluoroalkyl substances.
35. Consult the community at each stage throughout the development of the project through the delivery of workshops, meetings, letters, media releases or other suitable forms of communication as required.