

PART B – AEIS

20. WASTE

20.1.	Liaison with local Council and relevant stakeholders	20-1
20.2.	Provision of waste projections data	20-1
20.3.	Capacity of local waste treatment / disposal facilities	20-1
20.4.	Surplus pipeline excavated trench material	20-2

20. WASTE

20.1. Liaison with local Council and relevant stakeholders

One submitter requested contributions be provided by SunWater to assist with future expansion and/or renewal of Council landfill facilities. SunWater will liaise with Council on this and related issues prior to commencement of construction.

20.2. Provision of waste projections data

One submitter requested the provision of waste projection data. Such data was provided in Table 20-1 of the EIS and remains current, with the exception of the refined pipeline, which will see reductions across waste streams. Key components are summarised in **Table 20-1**. Further, more detailed waste projections will be undertaken during detailed design, and once complete will be made available to the relevant stakeholders.

Table 20-1 Waste streams and inventory (refined pipeline)

Waste type	EIS pipeline quantities	Refined pipeline quantities
Excavated waste/spoil	378,000m ³	340,200 m ³
Stormwater and construction wastewaters	203 ML	134 ML

20.3. Capacity of local waste treatment / disposal facilities

Submissions raised concerns that Council waste facilities do not have capacity to handle the volume of waste generated by the Project.

Waste from the construction of the dam will be managed in line with the principles of the waste management hierarchy as described in Section 20.2.1 of the EIS. Waste minimisation, reuse and recycling, primarily on site, will minimise the amount which is required to be received at local landfills. Detailed discussion regarding waste management techniques was provided in Section 29.9.16 of the EIS.

As described in **Section 20.2**, detailed waste projections will be undertaken during detailed design. At this stage the amount of waste to be managed and the point of generation will be understood and definitive solutions can be developed in partnership with local Councils. SunWater will liaise with relevant Councils prior to commencement of construction in order to reach agreement on such use.

With regards to toilet waste, the accommodation camps are not part of the approvals requested for this Project. SunWater, together with Council, will investigate suitable options to alleviate potential capacity impacts on local systems as a result of the camps. SunWater recently constructed the Woleebee to Glebe Weir pipeline with 300 staff based in Wandoan and 100 in Taroom, using commercial accommodation. Consequently all waste was treated / disposed of using existing Council facilities.

It is considered that toilet waste from the dam construction site will be a smaller proportion of the total volume and could feasibly be transported to Taroom, Wandoan or Theodore, or a proportion to each township. Generation of toilet waste from pipeline construction will occur at many locations along the route so could

feasibly be transported to Wandoan, Miles, Chinchilla or Dalby. SunWater will liaise with Council during detailed design.

20.4. Surplus pipeline excavated trench material

Options for use or disposal of the surplus excavated trench material were discussed in Sections 2.4.3.2 and 4.3.2 of the EIS. SunWater propose to utilise the bulk of this spoil on site and manage the excess as described in Section 20.3.2.5 of the EIS, including undertaking local erosion control works. If some of the material is suited to use as landfill capping it may be made available to Council. The refined pipeline easement (**Part C** of the AEIS) reduces the quantities of spoil that will need to be managed.

Detailed discussion of this issue has been provided in **Section 6.2** of Part B of the AEIS and detailed soil management protocols are provided as **Appendix B6**. Procedures to manage sodic soils are included in the protocols. **Section 9.4** of the EMP (**Appendix B29**) has also been updated to include this information.



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