

Template

Proposal Content Document

Table 1: General proposal content description

Proposal title	Stage 1 Neerabup Resource Recovery Precinct
Proponent name	City of Wanneroo
Short description	The proposal is for the construction and operation of Stage 1 of the Neerabup Resource Recovery Precinct (NRRP) at Lot 600, 570 Wattle Avenue, Neerabup, approximately 39 km north of Perth CBD. The proposal will consist of a new community recycling centre (CRC), waste transfer station (WTS), material recovery facility (MRF) and all associated supporting infrastructure as described below: • WTS: to consolidate residual waste from the City's kerbside collection services, and potentially other local governments, for bulk transport to recovery facilities in the southern Perth metropolitan area; • MRF: to accept and process co-mingled recyclables from kerbside collections for downstream reprocessing; • CRC: to provide residents with a safe and accessible location to drop off household items for reuse, recycling or appropriate disposal; • Supporting infrastructure including a shared weighbridge, access roads and services areas, Surface Water and Leachate Management System (SWLMS), Administration Centre and Workshop and Security (Closed Circuit Television [CCTV], fencing, etc).

Table 2: Proposal content elements

Proposal element	Location / description	Maximum extent, capacity or range
Physical elements		
Residual waste drop-off facility	Drawing C-500-C	Approximately 9.3 ha of disturbance, including clearing of native vegetation within the Stage 1 development area
Reuse shop, administration & education centre		
Recycling drop-off		
Household hazardous waste shed		
Greenwaste bunker		

Bulky recyclables drop-off		
Waste transfer station		
Materials recovery facility		
Surface water management system (ponds)		
Access roads and parking		
Construction elements		
Clearing	Figure 19 – Clearing Area	9.3 ha
Stormwater management Infrastructure	Drawing C-500-C	3 lined ponds, 4 infiltration basins and 1 X 450m3 tank
Leachate management infrastructure		1-in-100 year storm, 24 hour event
Operational elements		
Waste transfer station	Drawing C-500-C	Design capacity of 195,000 tpa
Materials recovery facility		100,000 tpa
Leachate management system	Drawing C-500-C	3 lined ponds, 4 infiltration basins and 1 X 450m3 tank
Surface water management system (ponds)		1-in-100 year storm, 24 hour event
Community Recycling Centre	Drawing C-500-C	40,000 tpa
Community Recycling Centre (Recycling Drop-off Area)		200 tpa
Proposal elements with greenhouse gas emissions		
Construction elements:		
Scope 1: 10,471 tCO2-e	Equipment and associated activities	
Scope 2: 30.537 tCO2-e	Powering of construction equipment	
Scope 3: 12,595.5 tCO2-e	Passenger Car Emissions	
Operation elements:		

Scope 1: 682.2 tCO2-e	Movement of heavy vehicles	
Scope 2: 12.0 tCO2-e	Powering of on-site facilities	
Scope 3: 71.2 tCO2-e	Passenger Car Emissions	
Rehabilitation		
The NRRP is proposed to be a long-term facility. Rehabilitation plans will not be required and facility upgrades will be made as necessary.		
Commissioning		
Commissioning of the CRC and WTS will be undertaken by the City of Wanneroo. The commissioning of the MRF will be undertaken by the private waste service provider that will be appointed from public tender process run by the City.		
Decommissioning		
The NRRP is proposed to be a long-term facility. Rehabilitation plans will not be required and facility upgrades will be made as necessary.		
Other elements which affect extent of effects on the environment		
Proposal time*	Maximum project life	Indefinite
	Construction phase	Approx 2 years
	Operations phase	Indefinite
	Decommissioning phase	N/A

** Proponents should only provide realistic timeframes to avoid unnecessary change to proposal applications at referral (section 38C), assessment (section 43A) or post assessment (section 45C).*