Template

Proposal Content Document

Table 1: General proposal content description

Proposal title	Katanning Gold Project
Proponent name	Ausgold Limited
Short description	The Proposal is to construct and operate an open cut gold mine approximately 275 km southeast of Perth and 37 km northeast of Katanning, WA. The total disturbance proposed is up to 68.78 hectares (ha), which includes the disturbance of 58.39 ha of native vegetation over a 10-year life of mine. The annual total pit dewatering volume is estimated to be 0.4 gigalitres per year (GL/yr) with a maximum of 0.5 GL/yr for a 10-year LoM. The Proposal includes: • The development of above and below water table Open Cut pits; • Processing of ore from pits on tenements within the Mine Development Envelope; • Groundwater abstraction from mine pits for water supply to processing and to facilitate mining below the water table; • Surplus water management, including but not limited to mine water use, or ponds (integrated landform/TSF); • Mined materials management including, but not limited to, waste rock landforms, inpit storage and low-grade ore stockpiles. • Storage of process waste (tailings) in an above ground Tailings Storage Facility, in an integrated waste landform; • Ore, topsoil and subsoil stockpiles; and • Linear and ancillary infrastructure to support mining, including access and haul roads, hybrid power plant, solar and LPG peak turbines), process water and slurry reticulation, offices and workshops etc. The Proposal requires a disturbance footprint of 961.90 ha and is located within a 1,619.02 ha MDE.

Table 2: Proposal content elements

Proposal element	Location / description	Maximum extent, capacity or range
Physical elements		
Mine Elements including:	Figure 2-1 of EPA Referral Supporting Document.	Disturbance Footprint (DF) of up to 961.90 ha, within a 1,619.02 ha MDE.

Proposal element	Location / description	Maximum extent, capacity or range
• Open cut pits (with a depth greater than 5 m below ground water); • Waste Rock Landforms; • Run of Mine Pad (ROM Pad); • Topsoil stockpiles; • Low Grade Ore Stockpiles • Haul roads and access roads; • Noise bunds; and Dewatering infrastructure.		
Processing Plant Including: • Ore Stockpiles; • Primary Crusher; • Balancing Water storage and evaporation ponds; • Ore Processing Facility (wet and dry), SAG and Ball mills and associated processing and recovery infrastructure; and Storage of mineral processing waste (TSF - keyed into IWL).	Figure 2-1 of EPA Referral Supporting Document.	Disturbance Footprint (DF) of up to 961.90 ha, within a 1,619.02 ha MDE.
Supporting Infrastructure including: • Mine Services Area with ancillary buildings and support infrastructure including, but not limited to, offices, workshops, hydrocarbon/chemical storage, and explosive storage/handling facilities; • Waste management facilities; • Power generation and distribution infrastructure, including a hybrid powerplant comprised LGP generators and Solar PV; • Surface water management infrastructure including	Figure 2-1 of EPA Referral Supporting Document.	Disturbance Footprint (DF) of up to 961.90 ha, within a 1,619.02 ha MDE.

Proposal element	Location / description	Maximum extent, capacity or range
but not limited to levees, diversions, culverts, drains, floodways, sediment control and other water quality management structures; and • Domestic on-site wastewater treatment systems.		
Borefield elements including: • Water management infrastructure including but not limited to abstraction, conveyance, water treatment and storage; and • Pipelines and access/pipeline corridors.	Figure 2-1 of EPA Referral Supporting Document.	Disturbance Footprint (DF) of up to 961.90 ha, within a 1,619.02 ha MDE.
Construction elements		
Key construction elements will include, but not be limited to, the following physical and operational elements: • Clearing and grubbing; • Starter embankments for TSF; • WRL; • Pit commencement; • Water management infrastructure; • Temporary offices/ablutions; • Access roads and haul roads; • Borrow laydowns; • Pipelines and pipeline corridors; • Movement of topsoil, and bulk earthworks; and • Waste management facilities.	Figure 2-1 of EPA Referral Supporting Document.	Disturbance Footprint (DF) of up to 961.90 ha, within a 1,619.02 ha MDE.

Proposal element	Location / description	Maximum extent, capacity or range		
Operational elements				
Mining	Figure 2-1 of EPA Referral Supporting Document.	Disturbance Footprint (DF) of up to 961.90 ha, within a 1,619.02 ha MDE.		
Ore Processing Facility (OPF)	Figure 2-1 of EPA Referral Supporting Document.	Up to 270 Mt of total mined material (ore and overburden) over life of mine.		
Tailing Storage Facility (TSF)	Figure 2-1 of EPA Referral Supporting Document.	Maximum of 40.6 million tonnes over the Life of Mine (LoM), to be stored in a TSF.		
Waste Rock Landform	Figure 2-1 of EPA Referral Supporting Document.	Integrated Waste Landform (IWL) and/or WRLs at an average deposition rate of 23.5 Mtpa.		
Groundwater Abstraction	Figure 2-1 of EPA Referral Supporting Document.	Abstraction of up to 3 gigalitres per annum (GL/yr) for pit dewatering and water supply.		
Water Management/Mine Dewatering	Figure 2-1 of EPA Referral Supporting Document.	Mine pit dewatering between 0.4-0.6 GL/yr pumped from in-pit sumps to processing plant and temporary storage. Managed on-site by dynamic site-based water balance, including by evaporative cannons on TSF to retain all process and surplus contact water on-site; No discharge to offsite environment.		
Hybrid Power Plant Operation	Figure 2-1 of EPA Referral Supporting Document.	Thermal Installed Capacity	Gas	30.3 MW
			Diesel	3.0 MW
		Solar PV Installed Capacity		40.9 MWp
		BESS Installed Capacity		20.0 MW/ 44.2 MW/hr
		Total Installation Capacity		94.1 MW
Waste water treatment	Figure 2-1 of EPA Referral Supporting Document.	Shire approved on-site disposal systems (<100m3/d).		
Workforce Accommodation and Transport		Accommodation village in Katanning on leased zoned land, 37km from Proposal tenements, for up to 350 mine employees and contractors.		

Proposal elements with greenhouse gas emissions		
Scenario	**Scope**	**Emissions over LoM (t CO2-e)**
Baseline Scenario	Scope 1	1 882,379
	Scope 3	256,412

	Scope 1 + 3 Total	**1,138,791**
Scenario 1 (Solar Farn and Electrification of Mining Fleet and Mobile Equipment	Scope 1	776,678
	Scope 3	223,257
	Scope 1 + 3 Total	**999,935**

Rehabilitation

Progressive rehabilitation will be undertaken over the life of the mine where operational requirements allow and where practicable. At the cessation of mining and processing, the site will be rehabilitated in accordance with the Katanning Gold Project Mine Closure Plan. The Mine Closure Plan associated with approvals under the Mining Act will plan for landforms (such as WRLs and the IWL/TSF) will be designed to be safe, stable, non-polluting, whilst meeting overarching objectives for closure in consultation with key stakeholders.

Commissioning

Commissioning of the Ore Processing Facility-Plant/TSF/water and ancillary infrastructure to be undertaken in accordance with approval issued under the EP Act, Mining Act and other legislation and will be subject to operational limits above.

Decommissioning

The Mine Development and Closure Proposal (MDCP), associated with approvals under the Mining Act, will provide a plan for decommissioning of the mine and post-closure land use. All infrastructure will be removed unless ownership is transferred to a third-party.

Other elements which affect extent of effects on the environment

Proposal time*	Maximum project life	Approximately 10 years plus closure and rehabilitation phase.
	Construction phase	Approximately 18 months.
	Operations phase	Approximately 10 years.
	Decommissioning phase (Staged Approach)	Approximately 3 years. Northern Zone – Year 8.

** 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).*