

Proposal Content Document

Table 1: General proposal content description

Proposal title	Bellevue Gold Project
Proponent name	Golden Spur Resources Pty Ltd
Short description	<p>The Bellevue Gold Project is the recommencement of mining operations at the Bellevue Gold Mine. The Project consists of a mixture of open pit and underground operations, with mining occurring over an initial eight-year period. Ongoing exploration has the potential to significantly increase the life of mine, as the Mineral Resource and Ore Reserves are grown.</p> <p>The Bellevue Gold Mine was last operated in the late 1990s, and was then decommissioned and all infrastructure removed. Recommencement of operations at the site will include the following;</p> <ul style="list-style-type: none"> • Recommencement of Mining: <ul style="list-style-type: none"> – Underground mining of multiple mineralised zones from the Paris Pit portal and the Tribune Pit portal. – Open pit mining of the Tribune, Vanguard and Henderson/Hamilton/Bellevue (HHB) deposits. – Associated construction, excavation, storage and progressive rehabilitation of waste rock landforms. • Recommencement of Processing: <ul style="list-style-type: none"> – Construction of a gold processing plant. – Processing of ore at the processing plant at an initial rate of 1,000,000 tonnes per annum, producing approximately 183 koz per annum of gold over an initial 9 year LOM. – Construction and operation of an Integrated Waste Landform (IWL) to store tailings generated from the processing plant. • Dewatering: <ul style="list-style-type: none"> – Dewatering of pits and underground mines to enable mining operations. • Construction of other Support Infrastructure: <ul style="list-style-type: none"> – Construction of an accommodation village, landfills, administration buildings, workshops, fuel facilities, washdown bays, sewage treatment areas, topsoil stockpiles, bioremediation pads, laydown areas, roads, borefield and pipelines.

Table 2: Proposal content elements

Proposal element	Location / description	Maximum extent, capacity or range
Physical elements		
Borefield	Figure 3	3 ha of disturbance, including up to 2.9 ha of native vegetation clearing within the 1030 ha development envelope
Borrow Pit	Figure 4, Figure 5	7.8 ha of disturbance, including up to 6.3 ha of native vegetation clearing within the 1030 ha development envelope
Explosives Magazine	Figure 5	0.1 ha of disturbance, including up to 0 ha of native vegetation clearing within the 1030 ha development envelope
Henderson Central pit and surrounds	Figure 5	6.2 ha of disturbance, including up to 4.6 ha of native vegetation clearing within the 1030 ha development envelope
Henderson North Pit and Surrounds	Figure 5	28.7 ha of disturbance, including up to 18 ha of native vegetation clearing within the 1030 ha development envelope
IWL	Figure 4, Figure 5	94.7 ha of disturbance, including up to 74.6 ha of native vegetation clearing within the 1030 ha development envelope
Laydown	Figure 4, Figure 5	37.3 ha of disturbance, including up to 29.9 ha of native vegetation clearing within the 1030 ha development envelope
Main WRD	Figure 5	53.1 ha of disturbance, including up to 52.4 ha of native vegetation clearing within the 1030 ha development envelope
Plant Site	Figure 5	17.4 ha of disturbance, including up to 6.4 ha of native vegetation clearing within the 1030 ha development envelope
Power Station	Figure 5	0.9 ha of disturbance, including up to 0.8 ha of native vegetation clearing within the 1030 ha development envelope
Process Ponds	Figure 5	1.3 ha of disturbance, including up to 1.1 ha of native vegetation clearing within the 1030 ha development envelope
ROM Pad	Figure 5	7.6 ha of disturbance, including up to 6.8 ha of native vegetation clearing within the 1030 ha development envelope
Run-Off Pond	Figure 5	1.2 ha of disturbance, including up to 1.2 ha of native vegetation clearing within the 1030 ha development envelope

Solar Farm	Figure 3, Figure 4, Figure 5	30.5 ha of disturbance, including up to 30.5 ha of native vegetation clearing within the 1030 ha development envelope
Topsoil Stockpiles	Figure 4, Figure 5	55.6 ha of disturbance, including up to 52.5 ha of native vegetation clearing within the 1030 ha development envelope
Transport or Service Infrastructure corridor	Figure 3, Figure 4, Figure 5	73.2 ha of disturbance, including up to 61 ha of native vegetation clearing within the 1030 ha development envelope
Tribune Pit and Surrounds	Figure 5	3.4 ha of disturbance, including up to 5.6 ha of native vegetation clearing within the 1030 ha development envelope
Tribune WRD	Figure 5	33.8 ha of disturbance, including up to 10.4 ha of native vegetation clearing within the 1030 ha development envelope
Vent Shafts	Figure 4, Figure 5	0.3 ha of disturbance, including up to 0.2 ha of native vegetation clearing within the 1030 ha development envelope
Wind Turbines	Figure 5	1 ha of disturbance, including up to 1 ha of native vegetation clearing within the 1030 ha development envelope
Construction elements		
No relevant elements		
Operational elements		
Pit and underground dewatering	Figures 4 and 5	Up to 1,000,000 kl per year. 5C licence granted.
Tailings deposition	Figures 4 and 5	8.1 Mt
Material Mined	Figure 5	19.6 Mt underground and open pit
Ore processing	Figure 5	8.1 Mt
Power Generation	Figure 5	27.5 MW installed, being 14 MW from dual fuel and 13.5 WM from renewable options. 11 MW average power generation over LOM.
Solar Farm	Figure 4 and 5	13.5MW from renewables.
Power Plant emissions	Figure 5	321,511 t CO _{2e} total over the life of the mine.

Potable groundwater abstraction	Figure 5	300,000 kl per annum for the life of mine. 100kl 5C licence granted. Licence to- be upgraded.
Proposal elements with greenhouse gas emissions		
Construction elements:		
Construction and Ramp Up	Scope 1	The ramp-up power supply will be based on diesel generators, which are estimated to consume 7,524,827 L of diesel and hence emit 20,390 t CO ₂ e. There will be negligible other uses such as LPG (used in the kitchen). During construction there will also be use of a fleet of vehicles and machinery (e.g. cranes and trucks) which use diesel, however these emissions are captured in the total Life of Mine emissions calculation (in the table below).
	Scope 2	The Bellevue Gold Project will not be connected to the grid – therefore will be no Scope 2 emissions. The Perth office has negligible Scope 2 emissions, where the electricity supply is from the Southwest Interconnected System. However, for completeness the Perth Office is estimated to contribute ~26t CO ₂ e of Scope 2 emissions per year.
Operation elements:		
Power generation for the Operation	Scope 1	We have estimated the total Life of Mine emissions to be 301,121 t CO ₂ e (including 20,390 t CO ₂ e from diesel use in the ramp-up power station). These emissions are based on diesel use in the mobile fleet and using a power supply based on a gas/solar/battery power station. These emissions may reduce as we improve the prospect of adding additional renewable energy capacity, such as wind power.
Perth Office Operations	Scope 2	The Bellevue Gold Project will not be connected to the grid – therefore will be no Scope 2 emissions. The Perth office has negligible Scope 2 emissions, where the electricity supply is from the South West Interconnected System. However, for completeness the Perth Office is estimated to contribute ~26 t CO ₂ e of Scope 2 emissions per year.
Rehabilitation		
Progressive rehabilitation is planned where possible. Rehabilitation will be completed as part of mine closure and detailed within the mine closure plan. Rehabilitation monitoring will extend for a period of 10 years post final mine closure.		
Commissioning		

There will be brief commissioning periods for operational elements such as the process plant and the power supply. The commissioning will occur prior to full operation, as allowed under the works approval.

Decommissioning

All surface infrastructure to be removed at the completion of mining and processing (excluding care and maintenance).

Other elements which affect extent of effects on the environment

Proposal time*	Maximum project life	Initially 12 years, including construction, operation, and decommissioning. The operational element is likely to change based on exploration drilling.
	Construction phase	Nominally 2 years.
	Operations phase	Initially 9 years, but likely to grow with further exploration
	Decommissioning phase	Nominally 2 years.

* 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).