



Works Approval Number	W6366/2020/1	
Works Approval Holder	Savannah Nickel Mines Pty Ltd	
ACN	103 729 282	
Registered business address	Level 9, 553 Hay Street PERTH WA 6000	
File Number	DER2020/000092	
Duration	12/06/2020 to	11/06/2023
Date of issue	12 June 2020	
Prescribed Premises	Category 12 - Screening etc. of material Category 52 - Electric power generation	
Premises	Savannah Project Mining Tenements M80/179, M80/180 and M80/181 WARMUN WA 6740	

This Works Approval is granted to the Works Approval Holder, subject to the following conditions, on 12 June 2020, by:

Louise Lavery

A/Manager, Resource Industries

an officer delegated under section 20 of the *Environmental Protection Act 1986* (WA)

Works approval history

Date	Reference number	Summary of changes
12/06/2020	W6366/2020/1	Application for the installation of a mobile crushing and screening plant, construction of additional power generating equipment and commissioning of existing power generating equipment.

Interpretation

In this works approval:

- (a) the words 'including', 'includes' and 'include' in conditions mean "including but not limited to", and similar, as appropriate;
- (b) where any word or phrase is given a defined meaning, any other part of speech or other grammatical form of that word or phrase has a corresponding meaning;
- (c) where tables are used in a condition, each row in a table constitutes a separate condition;
- (d) any reference to an Australian or other standard, guideline, or code of practice in this works approval:
 - (i) if dated, refers to that particular version; and
 - (ii) if not dated, refers to the latest version and therefore may be subject to change over time;
- (e) unless specified otherwise, any reference to a section of an Act refers to that section of the EP Act; and
- (f) unless specified otherwise, all definitions are in accordance with the EP Act.

NOTE: This works approval requires specific conditions to be met but does not provide any implied authorisation for other emissions, discharges, or activities not specified in this works approval.

Works approval conditions

The works approval holder must ensure that the following conditions are complied with:

Construction phase

Infrastructure and equipment

1. The works approval holder must:
 - (a) construct and/or install the infrastructure and/or equipment;
 - (b) in accordance with the corresponding design and construction / installation requirements; and
 - (c) at the corresponding infrastructure location;as set out in Table 2.

Table 2: Design and construction/installation requirements

	Infrastructure	Design and construction/installation requirements	Infrastructure location
1	Mobile crushing and screening plant	<ul style="list-style-type: none">- Located on the upper surface of the South Waste Rock Dump only;- Consists of the following components:<ol style="list-style-type: none">1. Primary jaw crusher;2. Scalping screen;3. Secondary cone crusher;4. Tertiary cone crusher;5. Product screen;6. Telestack TC420 conveyor.- Fitted with water sprays and/or misters to control fugitive dust.	Schedule 1: Maps
2	Diesel powered generating equipment	<p>Located adjacent to the primary vent fan/chiller area:</p> <ul style="list-style-type: none">- Four 1.2 megawatt diesel powered generators (each consisting of a Cummins KTA50 diesel generator)	

Compliance reporting

2. The works approval holder must within 30 calendar days of an item of infrastructure required by condition 1 being constructed and installed:
 - (a) undertake an audit of their compliance with the requirements of condition 1; and
 - (b) submit to the CEO an Environmental Compliance Report on that compliance.
3. The Environmental Compliance Report required by condition 2, must include as a minimum the following:
 - (a) certification by a suitably qualified person that the items of infrastructure or component(s) thereof, as specified in condition 1, have or have not been constructed in accordance with the relevant requirements specified in condition 1;
 - (b) be signed by a person authorised to represent the works approval holder and contains the printed name and position of that person; and

- (c) where an item of infrastructure has been certified as not being constructed, or does not comply with the requirements specified in condition 1, the works approval holder must correct the non-compliant or defective works, prior to re-certifying, or provide to the CEO a description of, and explanation for, any departures from the requirements specified in Table 2 that do not require rectification and do not constitute a material defect along with the Environmental Compliance Report
4. Prior to the Operation of the Works, the Works Approval Holder must provide to the CEO an Environmental Compliance Report from a suitably qualified person confirming each item of infrastructure or component of infrastructure specified in Table 3 below has no material defects and meets the requirements specified in Table 3.

Table 3: Infrastructure and equipment requirements table (existing infrastructure)

Infrastructure	Design and installation requirements	Infrastructure location
Diesel powered generating equipment and fuel storage tanks	<p>Located adjacent to the processing plant and fuel farm:</p> <ul style="list-style-type: none"> - Nine 1.1 megawatt diesel generators (each consisting of a MTU Friedrichshafen model unit de-rated to 900 kilowatts); and - Three 1.2 megawatt diesel generators (each consisting of a KTA50 Cummins model unit de-rated to 1.1 megawatts). <p>Located adjacent to primary vent fan/chiller area:</p> <ul style="list-style-type: none"> - Four 1.2 megawatt diesel powered generators (each consisting of a Cummins KTA50 diesel generator); - Three 68,000 litre double skinned diesel fuel tanks with refuelling connections located over a concrete pad designed to capture spills; and - Bunding fitted with a leakage warning system. 	Schedule 1: Maps

Environmental commissioning phase

5. The Works Approval Holder must conduct Environmental Commissioning of the mobile crushing and screening plant and diesel powered generating equipment for a period not exceeding three months.
6. The Works Approval Holder must notify the CEO within 7 days after, the completion date of Environmental Commissioning.
7. The Works Approval Holder must provide to the CEO an Environmental Commissioning Report within one month of the completion date of Environmental Commissioning.
8. The Works Approval Holder must ensure the report required by Condition 7 of this Works Approval includes:
- A summary of the Environmental Commissioning activities undertaken, including timeframes;
 - Any discharges which occur; and

- (c) A summary of any accidents or malfunctions which may have occurred.

Time limited operational phase

- 9. Upon completion of Environmental Commissioning and the submission of the Environmental Compliance Reports in accordance with conditions 2, 3 and 4, the Works Approval Holder may operate the mobile crushing and screening plant and diesel powered generating equipment for a period not exceeding six months from the completion date of Environmental Commissioning, or until a Licence for the operation is granted, whichever comes first.

Records and reporting

- 10. The works approval holder must record the following information in relation to complaints received by the works approval holder (whether received directly from a complainant or forwarded to them by the Department or another party) about any alleged emissions from the premises:
 - (a) the name and contact details of the complainant, (if provided);
 - (b) the time and date of the complaint;
 - (c) the complete details of the complaint and any other concerns or other issues raised; and
 - (d) the complete details and dates of any action taken by the works approval holder to investigate or respond to any complaint.
- 11. The works approval holder must maintain accurate and auditable books including the following records, information, reports, and data required by this works approval:
 - (a) the works conducted in accordance with condition 1;
 - (b) any maintenance of infrastructure that is performed in the course of complying with condition 1; and
 - (c) complaints received under condition 10.
- 12. The books specified under condition 11 must:
 - (a) be legible;
 - (b) if amended, be amended in such a way that the original version(s) and any subsequent amendments remain legible and are capable of retrieval;
 - (c) be retained by the works approval holder for the duration of the works approval; and
 - (d) be available to be produced to an inspector or the CEO as required.

Definitions

In this Works Approval, the terms in Table 1 have the meanings defined.

Table 1: Definitions

Term	Definition
Books	has the same meaning given to that term under the EP Act.
CEO	means Chief Executive Officer. CEO for the purposes of notification means: Director General Department Administering the <i>Environmental Protection Act 1986</i> Locked Bag 10, JOONDALUP DC WA 6919 info@dwer.wa.gov.au
Condition	means a condition to which this Works Approval is subject under s.62 of the EP Act.
Department	means the department established under section 35 of the <i>Public Sector Management Act 1994</i> and designated as responsible for the administration of Part V, Division 3 of the EP Act.
DWER	Department of Water and Environmental Regulation
Discharge	has the same meaning given to that term under the EP Act.
Emission	has the same meaning given to that term under the EP Act.
EP Act	means the <i>Environmental Protection Act 1986</i> (WA).
Environmental commissioning	means the sequence of activities to be undertaken to test equipment integrity and operation, or to determine the environmental performance, of equipment and infrastructure to establish or test a steady state operation and confirm design specifications.
Environmental Commissioning Report	means a report on any Environmental Commissioning activities that have taken place and a demonstration that they have concluded, with focus on emissions and discharges, waste containment, and other environmental factors.
Environmental Compliance Report	means a report to satisfy the CEO that the conditioned infrastructure has been constructed and installed in accordance with the works approval.
EP Regulations	means the <i>Environmental Protection Regulations 1987</i> (WA).
Inspector	means an inspector appointed by the CEO in accordance with s.88 of the EP Act
material defect	means a defect in any item, whether tangible or intangible, that substantially prevents the item from

	operating or functioning as designed or according to its specifications
Operate, operation or operating	means the introduction of waste rock material to the dry crushing and screening circuit for the production of road base, and the use of diesel fuel in diesel fired generators to produce electrical power.
Premises	refers to the premises to which this Works Approval applies, as specified at the front of this Works Approval and as shown on the map in Schedule 1 to this Works Approval.
Prescribed Premises	has the same meaning given to that term under the EP Act.
time limited operations	refers to the operation of the infrastructure and equipment identified under this works approval that is authorised for that purpose, subject to the relevant conditions.
Waste	has the same meaning given to that term under the EP Act.
Works Approval	refers to this document, which evidences the grant of the works approval by the CEO under s.54 of the EP Act, subject to the Conditions.
Works Approval Holder	refers to the occupier of the Premises being the person to whom this Works Approval has been granted, as specified at the front of this Works Approval.

END OF CONDITIONS

Schedule 1: Maps

Site plan - Location of mobile crushing and screening plant and power generating infrastructure

