



Licence number	L6420/1988/14
Licence holder	Kalgoorlie Consolidated Gold Mines Pty Ltd
ACN	009 377 619
Registered business address	Kalgoorlie Consolidated Gold Mines Pty Ltd Black Street KALGOORLIE WA 6430
DWER file number	DER2015/002506-1
Duration	29/09/2014 to 28/09/2025
Date of issue	25/09/2014
Date of amendment	7/05/2024
Premises details	Fimiston Processing Plant Tenements G26/15, G26/44-68, G26/70-71, G26/73-78, G26/82-86, G26/99-107, G26/138-145, G26/149, G26/159, G26/160, G26/165, G26/166, L26/267, M26/39, M26/46, M26/78, M26/86, M26/95, M26/267-268, M26/294, M26/308, M26/326, M26/359, M26/377, M26/383, M26/405, M26/448, M26/451, M26/715, M26/81, M26/83, M26/86, M26/266, M26/267, M26/294, M26/326, M26/373, M26/379, M26/454, M26/518, M26/748, and M26/800, KALGOORLIE WA 6430 As defined in Schedule 1

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed production / design capacity
Category5: Processing or beneficiation of metallic or nonmetallic ore	14 500 000 tonnes per year
Category 12: Screening etc. of material	2 000 000 tonnes per year
Category 54: Sewage facility	110m ³ per day
Category 63: Class I inert landfill site	15 000 tonnes per year
Category 64: Class II putrescible landfill site	10 000 tonnes per year

This amended licence is granted to the licence holder, subject to the attached conditions, on 7 May 2024, by:

Manager, Resource Industries
REGULATORY SERVICES

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

[L6420/1988/14](#)

Licence history

Date	Reference number	Summary of changes
17/09/2015	L6420/1988/14	Licence amendment to include category 54.
05/04/2016	L6420/1988/14	Licence amendment to authorise progressive embankment raises to Fimiston II TSF and addition of category 63 to construct and operate a Class 1 inert landfill within the Fimiston Waste Rock Dump
29/04/2016	L6420/1988/14	Department initiated amendment in accordance with section 59(1)(k) of the Environmental Protection Act 1986 to amend the duration of the licence
25/11/2016	L6420/1988/14	Licence amendment to remove vegetation monitoring requirements following Licence Holder submission. Authorisation to dispose of hydrocarbon contaminated waste to Paringa TSF. Administrative changes requested by the Licence Holder and additional administrative changes made by DER.
15/12/2017	L6420/1988/14	Amendment Notice 1: an application was submitted to amend the Licence L6420/1988/14 to authorise: - Construction and operation of the Fimiston I TSF from 40m to 60 m in height; - Increase to the category 5 capacity; and - Amend the Prescribed Premises boundary to include the CSI crushing facility within the boundary.
6/07/2018	L6420/1988/14	Amendment Notice 2: On 16 March 2018, KCGM (the Licence Holder) submitted an application to increase the permitted operational height of the Fimiston II TSF, following completion of the TSF embankment construction works for cells AB, C and D to stage 1 heights, as permitted by the existing Licence L6420/1988/14, under condition 1.3.7.
4/04/2019	L6420/1988/14	Amendment Notice 3: Kalgoorlie Consolidated Gold Mines Pty Ltd submitted an application on 21 December 2018 to amend their Licence L6420/1988/14 to authorise: - Progressive embankment raises of the Kaltails TSF from 44 m to 60 m in height; and - Removal of one groundwater monitoring bore each from the required monitoring schedule for Kaltails TSF (MB K41), and for Fimiston II TSF (NTD6), due to buttress construction works impacting on these bores. It is planned to replace MB K41 with new bore MB K77. It is not planned to replace NTD6.
30/03/2020	L6420/1988/14	1. Amendment to authorise - Operation of Fimiston II TSF to stage 3 height - Changes to groundwater monitoring conditions and

		2. To amalgamate/consolidate separately issued amendment notices in the Licence
14/08/2020	L6420/1988/14	Amendment to include category 12 and category 64 to the licence and include M26/39 to the prescribed premises.
08/02/2021	L6420/1988/14	Amendment to include infrastructure constructed and commissioned under works approval W5532/2013/1 for the Fimiston Emissions Reduction Project (Retort Oven in the Gold Room, a Wet Scrubber, Regenerative Thermal Oxidiser (RTO) and Carbon Filter Beds to treat the off-gas from the Carbon Regeneration Kilns).
21/06/2022	L6420/1988/14	Amendment to authorise the upgrade and operation of the Gold Room fume extraction system.
23/10/2023	L6420/1988/14	Amendment to construct and operate Fimiston I and II TSFs at Stage 4 heights and realignment of the location of the inert landfill disposal area. Premises boundary has also been expanded to capture the waste rock dump areas where landfill disposal areas are located.
7/05/2024	L6420/1988/14	Amendment to provide approval for construction of new monitoring bores associated with the Kaltails Tailings Storage Facility and Trafalga borefield

Interpretation

In this licence:

- (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 licence:
 - (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 licence requires specific conditions to be met but does not provide any implied authorisation for other emissions, discharges, or activities not specified in this licence.

Licence conditions

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

Construction requirements

1. The licence holder is authorised to construct embankment raises and operate the Fimiston II TSF until the end of Stage 4 to the heights as listed in Table 1 below:

Table 1: Fimiston II TSF Construction & Operating Heights

Stages	TSF Cell	Construction Height (m)	Operating Height (m)
Stage 1	AB	45	45
	C	47	47
	D	45	45
Stage 2	AB	48	48
	C	50	50
	D	48	48
Stage 3	AB	51	51
	C	53	53
	D	51	51
Stage 4	AB	54	54
	C	56	56
	D	54	54
Stage 5	AB	57	Not permitted at this time
	C	59	
	D	57	
Stage 6	AB	60	
	C	60	
	D	60	

2. The licence holder shall construct the embankment raises to the Fimiston II TSF in accordance with the documentation detailed in Table 2:

Table 2: Construction Requirements¹

Document	Parts	Date of Document
Ramboll Environ (2015) Fimiston II Tailings Storage Facility Height Increase – Mining Proposal	All	September 2015

Note 1: Where the details and commitments of the documents listed in Table 2 are inconsistent with any other condition of this Licence, the conditions of this Licence shall prevail.

3. The licence holder is authorised to construct embankment raises and operate the Fimiston I TSF until the end of Stage 4 to the heights as listed in Table 3 below:

Table 3: Fimiston I TSF Construction & Operating Heights

Stages	Construction Height (m)	Operating Height (m)
Stage 1	43	43
Stage 2	46	46
Stage 3	49	49
Stage 4	52	52
Stage 5	55	Not permitted at this time
Stage 6	58	
Stage 7	60	

4. The licence holder shall ensure that the embankment raises' infrastructure and associated pipeline infrastructure specified in column 1 of Table 4 is constructed in accordance with the requirements specified in column 2 of Table 4.

Table 4: Construction of Fimiston I TSF Embankment Raises

Column 1	Column 2
Infrastructure	Requirements
Fimiston I TSF perimeter tailings delivery and water return pipelines	Remove tailings delivery and return water pipelines before construction of each embankment raise and reinstate on the completion of each raise.
Upstream perimeter embankment raise	- In accordance with the Fimiston Mill Tailings Operating Manual (Golder 2013, and subsequent revisions). - Construction to be supervised by an engineering or geotechnical specialist.
Decant tower and access causeway	Raise the decant tower and causeway for each embankment.
Areas subject to construction activities	Control dust by using water carts to wet down work areas

5. The licence holder is authorised to construct embankment raises and operate the Kaltails TSF to the heights as listed in Table 5 below:

Table 5: Kaltails TSF Construction & Operating Heights

Stages	TSF Cell	Construction Height (m)	Operating Height (m)
Stage 1	West	44	44
	East	44	44
Stage 2	West	47	47
	East	47	47
Stage 3	West	50	50
	East	50	50
Stage 4	West	53	53

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	East	53	53
Stage 5	West	56	56
	East	56	56
Stage 6	West	60	60
	East	60	60

6. The licence holder shall ensure that the embankment raises' infrastructure specified in column 1 of Table 6 is constructed in accordance with the requirements specified in column 2 of Table 6.

Table 6: Construction of Kaltails TSF Embankment Raises

Column 1	Column 2
Infrastructure	Requirements
Upstream perimeter embankment raises	- In accordance with the Fimiston Mill Tailings Operating Manual (Golder 2013, and subsequent revisions). Typical embankment section as per Figure 5 (Golder 2018 Figure F004) below. - Construction to be supervised by an engineering or geotechnical specialist.
Decant tower and access causeway	Relocate the decant tower and causeway. Typical decant causeway raise section as shown in Figure 5 (Golder 2018 Figure F004) below.
Areas subject to construction activities	Control dust by using water carts to wet down work areas.

7. The licence holder must construct and install the infrastructure listed in Table 7 in accordance with:
- the corresponding design and construction requirement; and
 - at the corresponding infrastructure location; and
 - within the corresponding timeframe
- as set out in Table 7

Table 7: Design and construction requirements

	Infrastructure	Design, construction, and installation requirements	infrastructure location	Timeframe
1	Six groundwater monitoring bores to replace decommissioned bores: MB K19, MB K22, MB K43 and MB K47.	<u>Bore design and construction:</u> Designed and constructed in accordance with <i>ASTM D5092/D5092M-16: Standard practice for design and installation of groundwater monitoring bores.</i> Bore screens must target the part, or parts, of the aquifer	Replacement monitoring bores to be installed within blue zone marked as Replacement bore location in Figure 2, Schedule 2	Must be constructed, developed (purged), and determined to be operational within 90 days of decommissioning of: TRE, TRP2, MB K19, MB K22, MB K43 and MBK47 to ensure

	Infrastructure	Design, construction, and installation requirements	infrastructure location	Timeframe
	Groundwater monitoring bores to replace decommissioned bores: TRE, TRP2	most likely to be affected by contamination¹. Where temporary/seasonal perched features are present, bores must be nested, and the perched features individually screened. <u>Logging of borehole:</u> Soil samples must be collected and logged during the installation of the monitoring bores. A record of the geology encountered during drilling must be described and classified in accordance with the Australian Standard Geotechnical Site Investigations AS1726. Any observations of staining / odours or other indications of contamination must be included in the bore log. <u>Bore construction log:</u> Bore construction details must be documented within a well construction log to demonstrate compliance with <i>ASTM D5092/D5092M-16</i>. The construction logs shall include elevations of the top of casing position to be used as the reference point for water-level measurements, and the elevations of the ground surface protective installations. <u>Bore development:</u> All installed monitoring bores must be developed after drilling to remove fine sand, silt, clay and any drilling mud residues from around the bore screen to ensure the hydraulic functioning of the well. A detailed record should be kept of well development activities and included in the bore construction log. <u>Installation survey:</u> the vertical (top of casing) and horizontal position of each monitoring bore must be surveyed and subsequently	Replacement monitoring bores to be installed in the location depicted in Figure 1, Schedule 2	continuation of monitoring as required by condition 26.

	Infrastructure	Design, construction, and installation requirements	infrastructure location	Timeframe
		mapped by a suitably qualified surveyor. Bore network map: a bore location map (using aerial image overlay) must be prepared and include the location of all monitoring bores in the monitoring network and their respective identification numbers.		

Note 1: refer to Section 8 of Schedule B2 of the *Assessment of Site Contamination NEPM* for guidance on well screen depth and length.

8. The licence holder must, within 90 calendar days of the monitoring bores being constructed under condition 7, submit to the CEO a well construction report evidencing compliance with the requirements of condition 7.

Infrastructure and equipment

9. The licence holder shall ensure that waste material is only stored and/or treated within vessels or compounds provided with the infrastructure detailed in Table 8

Table 8: Infrastructure and equipment requirements: Containment infrastructure

Storage Vessel or compound	Material	Requirements
Fimiston I TSF	Tailings storage facility	Sand / Clay base
Fimiston II TSF		Sand / Clay base
Kaltails TSF		Sand / Clay base
All saline water dams	Saline water	HDPE lined
Paringa Facility	Discharge of treated effluent from the Fimiston wastewater treatment plant	Consolidated tailings
	Hydrocarbon contaminated sediment and/or waste rock	
Return water dams located at Kaltails and Fimiston	Any substance containing saline, alkaline or cyanide constituents resulting from activities on the Premises	HDPE lined
Retort room liquid mercury store	Elemental mercury	Bundling in accordance with AS3780 The Storage and Handling of Corrosive Substances - Western Australia
Mercury storage facility	Elemental mercury, mercury-laden carbon, other mercury contaminated wastes	

10. The licence holder shall ensure that all pipelines containing environmentally hazardous substances are either:
- equipped with automatic cut-outs in the event of a pipe failure; or
 - provided with secondary containment sufficient to contain any spill for a period equal to the time between routine inspections.
11. The licence holder shall maintain a minimum top of embankment freeboard of 300 mm in all TSFs on the Premises.

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12. The licence holder shall:
- undertake inspections as detailed in Table 9;
 - where any inspection identifies that an appropriate level of environmental protection is not being maintained, take corrective action to mitigate adverse environmental consequences as soon as practicable; and
 - maintain a record of all inspections undertaken.

Table 9: Inspection of infrastructure

Scope of inspection	Type of inspection	Frequency of inspection ¹
Tailings delivery lines	Visual integrity	Daily
Return water lines		
Tailings deposition	Visual	
Ponding on the surface of the TSF	Visual to confirm size and location of the pond	
Internal embankment freeboard	Visual to confirm required freeboard capacity is available	
External wall of the TSF	Visual integrity	

Note 1: If circumstances at the scheduled time of inspection are identified as immediately hazardous to personnel the inspection should be undertaken as soon as practicable and the reason(s) recorded.

Emissions and discharges

13. The licence holder shall record and investigate the exceedance of any descriptive or numerical limit specified in this Licence.
14. The licence holder shall ensure that where waste is emitted to air from the emission points in Table 10 and identified on the map of emission points in Schedule 1, it is done so in accordance with the conditions of this Licence.

Table 10: Emission points to air

Emission point reference and location on map of emission points	Emission Point	Emission point height (m)	Source, including any abatement
A1	Kiln off-gas cleaning circuit-Final Stack	20.6	Source: Carbon regeneration kilns 3, 4 and 5 Abatement system: Kiln off-gas cleaning circuit (wet scrubber, RTO, carbon filter bed)
TS	Temporary Emissions Stack – for up to period of 8 weeks	15.3m from ground level at the base of the Gold Room for the dispersion of emissions.	Source: Gold room furnace and the cascade/mixing area. Abatement system: Emissions of lead to remain <1 mg/m³ and

			mercury to remain <0.2 mg/m ³ , Gold room operational 2 days per week for 8 hours Monitoring of emissions will be undertaken during temporary works.
A2	New Permanent Emissions Stack	15.3m from ground level at the base of the Gold Room for the dispersion of emissions.	Source: Gold Room furnace, cascade, and mixing area Abatement system: Venturi scrubber system and stack.

15. The licence holder shall immediately recover or remove and dispose of spills of environmentally hazardous materials which occur outside an engineered containment system.
16. The licence holder shall ensure that where wastes produced on the licence holder's prescribed Premises are not taken offsite for lawful use or disposal, they are managed in accordance with the requirements in Table 11.

Table 11: Management of waste

Waste type	Management strategy	Requirements
Inert Waste Type 1	Receipt, handling and disposal of waste by landfilling	<u>All waste types</u> - No more than 25 000 tonnes per year of all waste types cumulatively shall be disposed of by landfilling, including a maximum of 10 000 tonnes of putrescible material. - Disposal of waste by landfilling shall only take place within the landfill areas shown on the Premises Map in Schedule 1; - Waste shall be placed in a defined trench or within an area defined by earthen bunds; and - The active tipping area shall be restricted to a maximum linear length of 30 metres. - Construction, operation and decommissioning of landfill cells can occur within the defined landfill area providing there is no waste within: 100 m of any surface water body; and 3 m of the highest level of the water table aquifer.
Inert Waste Type 2		
Clean Fill		
Putrescible material – mineral samples and associated packaging/pallets only		
Hydrocarbon contaminated waste (sediment and waste rock)	Disposal to designated bunded zones (A and B) on Paringa TSF as shown in Schedule 1	- No more than 8 000 tonnes per year; and - Disposal areas (zones) to be fully bunded to contain incident rainfall.

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17. The licence holder shall ensure that cover is applied and maintained on landfilled wastes in accordance with Table 12 and that sufficient stockpiles of cover are maintained on site at all times.

Table 12: Cover requirements¹

Waste Type	Material	Depth	Timescales
All waste	Inert and incombustible material	1000mm	Within three months of the final waste load in each defined bay.

Note 1: Additional requirements for final cover of tyres are set out in Part 6 of the *Environmental Protection Regulations 1987*.

18. The licence holder shall implement security measures at the landfill area to prevent unauthorised access to the site.
19. The licence holder shall take measures to ensure that no windblown waste escapes from the landfill area and that windblown waste is collected on at least a monthly basis and returned to the active tipping area.

Monitoring

20. The licence holder shall ensure that:
- all groundwater sampling is conducted in accordance with AS/NZS 5667.11;
 - all laboratory samples are submitted to and tested by a laboratory with current NATA accreditation for the parameters being measured unless indicated otherwise in the relevant table; and
 - all water samples are collected and preserved in accordance with AS/NZS 5667.1.
21. The licence holder shall ensure that:
- monthly monitoring is undertaken at least 15 days apart;
 - quarterly monitoring is undertaken at least 45 days apart;
 - six monthly monitoring is undertaken at least 5 months apart; and
 - annual monitoring is undertaken at least 9 months apart.
22. The licence holder shall record production or throughput data and any other process parameters relevant to any non-continuous or continuous emissions monitoring system (CEMS) undertaken.
23. The licence holder shall ensure that all monitoring equipment used on the Premises to comply with the conditions of this Licence is calibrated in accordance with the manufacturer's specifications or any relevant and effective internal management system.
24. The licence holder shall, where the requirements for calibration cannot be practicably met, or a discrepancy exists in the interpretation of the requirements, bring these issues to the attention of the CEO accompanied with a report comprising details of any modifications to the methods.
25. The licence holder shall undertake the monitoring in Table 13 according to the specifications in that table.

Table 13: Monitoring of inputs and outputs

Input/Output	Parameter	Units	Averaging period	Frequency
Wastewater discharge from Wastewater Treatment Plant	5 day Biochemical Oxygen Demand	mg/L	Spot sample	Quarterly
	Total Suspended Solids	mg/L		
	pH ¹	-		
	Total Nitrogen	mg/L		
	Total Phosphorus	mg/L		
	<i>E. coli</i>	cfu/100mL		

Note 1: In field non- NATA accredited analysis permitted.

26. The licence holder shall undertake the monitoring specified in Table 14 according to the specifications in that table and record and investigate results that do not meet any limit specified.

Table 14: Monitoring of ambient groundwater quality

Monitoring point reference for compliance bores ²	Parameter	Limit	Units	Averaging period	Frequency
Eastern Borefield Compliance Monitoring Bores	SWL	>4	mbgl	Spot sample	Quarterly
Kaltails Zone A Compliance Monitoring Bores	SWL	>4	mbgl		Quarterly
Kaltails Zone B Compliance Monitoring Bores	SWL	>1	mbgl		Quarterly
Monitoring point reference for all monitoring sites ^{3,4}	Parameter	Limit	Units	Averaging period	Frequency
Eastern Borefield Dams and Trenches	EC ⁵	-	mS/cm	Spot sample	Quarterly
	pH ⁵	-	-		Quarterly
	TDS, CN-FREE, WADCN, CN-TOTAL	-	mg/L		Annually
	pH ⁵	-	-		Quarterly

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Kaltails Dams and Trenches	EC ⁵	-	mS/cm		Quarterly
	TDS, CN-FREE, WADCN, CN-TOTAL	-	mg/L		Annually
Eastern Borefield Monitoring Bores	pH ⁵ , EC ⁵ (mS/cm), TDS, CN-FREE, WADCN, CN-TOTAL	-	Refer to Note 1		Quarterly
Kaltails TSF Monitoring Bores	pH ⁵ , EC ⁵ (mS/cm), TDS, CN-FREE, WADCN, CN-TOTAL	-	Refer to Note 1		Quarterly

Note 1 Units are mg/L apart from pH and unless otherwise stated

Note 2 As listed in Table 1 of Schedule 1

Note 3 As listed in Table 2 of Schedule 1

Note 4 Location of monitoring sites are shown in Map of monitoring locations 2 & 3 in Schedule 1

Note 5 In-field non-NATA accredited analysis permitted.

Specified Actions

- 27.** The licence holder shall implement the FSGMP and the KSGMP. The FSGMP and the KSGMP may be amended on approval from the CEO to improve management of seepage from KCGM's TSFs. In circumstances where the details and commitments in the FSGMP and/or the KSGMP are inconsistent with conditions of this Licence, the conditions of this Licence shall prevail.
- 28.** The licence holder shall employ a suitably qualified professional to conduct an audit of the FSGMP and the KSGMP each year. The audit shall include but not be limited to:
- (a) the Licence Holder's progress towards existing targets and milestones;
 - (b) whether the objectives in the FSGMP and the KSGMP are being achieved and are still appropriate; and
 - (c) a statement of the independence of the auditor, including experience and qualifications.
- 29.** The licence holder shall take the relevant management action in the case of an event in Table 15.

Table 15: Management actions

Emission Point reference for compliance bores ¹	Event/ action reference	Event	Management action
Eastern Borefield Compliance Monitoring Bores	EA1	Groundwater level <4 mbgl	Increase pumping capacity within 6 months
		Groundwater level >4 mbgl and <6 mbgl	Review the potential cause of the change in groundwater and increase pumping capacity within 9 months if cause is directly associated with seepage

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Kaltails Zone A Compliance Monitoring Bores	EA2	Groundwater level <4 mbgl	Increase pumping capacity within 6 months
		Groundwater level >4 mbgl and <6 mbgl	Review the potential cause of the change in groundwater and increase pumping capacity within 9 months if cause is directly associated with seepage
Kaltails Zone B Compliance Monitoring Bores	EA3	Groundwater level <1 mbgl	Increase pumping capacity within 6 months
		Groundwater level >1 mbgl and <2 mbgl	Review the potential cause of the change in groundwater and increase pumping capacity within 9 months if cause is directly associated with seepage

Note 1 - As listed in Table 1 of Schedule 1

- 30.** The licence holder shall, when advised by the CEO, take measures to further reduce groundwater levels to protect native vegetation.

Records and reporting

- 31.** The licence holder must record the following information in relation to complaints received by the licence 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 licence holder to investigate or respond to any complaint.
- 32.** The licence holder must:
- (a) undertake an audit of their compliance with the conditions of this licence during the preceding annual period; and
 - (b) prepare and submit to the CEO by 31 March after the end of that annual period an Annual Audit Compliance Report in the approved form.
- 33.** The licence holder must maintain accurate and auditable books including the following records, information, reports, and data required by this licence:
- (a) the calculation of fees payable in respect of this licence;
 - (b) the works conducted in accordance with condition 1, 2, 3, 4, 5 and 6 of this licence;
 - (c) any maintenance of infrastructure that is performed in the course of complying with condition 9 and 10 of this licence;

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- (d) monitoring programmes undertaken in accordance with conditions 20 through to-26 of this licence; and
 - (e) complaints received under condition 32 of this licence.
- 34.** The books specified under condition 33 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 licence holder for the duration of the licence; and
 - (d) be available to be produced to an inspector or the CEO as required.
- 35.** The licence holder shall ensure that:
- (a) any person left in charge of the Premises is aware of the conditions of the Licence and has access at all times to the Licence or copies thereof; and
 - (b) any person who performs tasks on the Premises is informed of all of the conditions of the Licence that relate to the tasks which that person is performing.
- 36.** The licence holder shall submit to the CEO an Annual Environmental Report by 31 March after the end of the annual period. The report shall contain the information listed in Table 16 in the format or form specified in that table.

Table 16: Annual Environmental Report

Condition or table (if relevant)	Parameter	Format or form
-	Any failure or malfunction of any pollution control equipment or any incident, which has caused, is causing or may cause pollution.	None specified
-	Production throughputs for the annual period for each Premises category (category 5, 12, 54 and 64)	None specified
28	Audit Report of FSGMP and KSGMP	None specified
25, 26, and 29	Summary of quarterly monitoring data results including key findings and proposed remedial actions as required.	None specified
32	Compliance	AACR
31	Complaints summary	None specified

- 37.** The licence holder shall submit the information in Table 17 to the CEO according to the specifications in that table.

Table 17: Non-annual reporting requirements

Condition or table (if relevant)	Parameter	Reporting period	Reporting date (after end of the reporting period)	Format or form
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Table 14	Groundwater monitoring results	Quarterly	46 calendar days	None specified
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- 38.** The licence holder shall submit a construction compliance document to the CEO within 90 days of completion of each stage of the works as listed in Table 1, Table 2, Table 3, Table 4, Table 5, Table 6.
- 39.** The compliance document required by condition 38 shall:
- (a) certify that the works were constructed in accordance with the conditions of this Licence; and
 - (b) be signed by a person authorised to represent the Licence Holder and contain the printed name and position of that person within the company; and
 - (c) include as constructed plans and a detailed site plan for each item of infrastructure or component of infrastructure specified.
- 40.** The Licence Holder shall ensure that the parameters listed in Table 18 are notified to the CEO in accordance with the notification requirements of the table.

Table 18: Notification requirements

Condition or table (if relevant)	Parameter	Notification requirement ¹	Format or form ²
26	Breach of any limit specified in the Licence	Part A: In writing within 24 hours of becoming aware of any exceedances Part B: Within 7 days of becoming aware of the exceedance.	N1
24	Calibration report	As soon as practicable.	None specified

Note 1: Notification requirements in the Licence shall not negate the requirement to comply with s72 of the Act

Note 2: Forms are in Schedule 2

Definitions

In this licence, the terms in Table 19 have the meanings defined.

Table 19: Definitions

Term	Definition
ACN	Australian Company Number
Annual Audit Compliance Report (AACR)	means a report submitted in a format approved by the CEO (relevant guidelines and templates may be available on the Department's website)
annual period	a 12 month period commencing from 1 January until 31 December in the same year
AS/NZS 5667.1	<i>means the Australian Standard AS/NZS 5667.1 Water Quality – Sampling – Guidance of the Design of sampling programs, sampling techniques and the preservation and handling of samples</i>
AS/NZS 5667.11	<i>means the Australian Standard AS/NZS 5667.11 Water Quality – Sampling – Guidance on sampling of groundwaters</i>
averaging period	means the time over which a limit is measured or a monitoring result is obtained
books	has the same meaning given to that term under the EP Act.
CEO	means Chief Executive Officer of the Department. “submit to / notify the CEO” (or similar), means either: Director General Department administering the <i>Environmental Protection Act 1986</i> Locked Bag 10 Joondalup DC WA 6919 or: info@dwer.wa.gov.au
Clean Fill	has the meaning defined in Landfill Definitions
CN-FREE	means free cyanide
CN-TOTAL	means total cyanide
compliance bores	means those monitoring bores listed in Schedule 1 Table 1 and at the locations depicted in Maps of monitoring locations 2 - 4
Department	means the department established under section 35 of the <i>Public Sector Management Act 1994</i> (WA) and designated as responsible for the administration of the EP Act, which includes Part V Division 3
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
environmentally hazardous material	means material (either solid or liquid raw materials, materials in the process of manufacture, manufactured products, products used in the manufacturing process, by-products and waste) which if discharged into the environment from or within the premises may cause pollution or environmental harm
Eastern Borefield	means the bore network that is constructed around Fimiston I and Fimiston II tailings storage facilities and comprises all of the Production and Monitoring Bores
EC	means electrical conductivity
EP Act	<i>Environmental Protection Act 1986 (WA)</i>
EP Regulations	<i>Environmental Protection Regulations 1987 (WA)</i>
Fim I TSF	means Fimiston I Tailings Storage Facility
Fim II TSF	means Fimiston II Tailings Storage Facility
freeboard	means the distance between the maximum water surface elevations and the top of retaining banks or structures at their lowest point
FSGMP	means the document “Kalgoorlie Consolidated Gold Mines Fimiston Seepage and Groundwater Management Plan” dated June 2020, as submitted to the CEO and including annual revisions of that document approved by the CEO
Inert Waste Type 1	has the meaning defined in Landfill Definitions
Inert Waste Type 2	has the meaning defined in Landfill Definitions
KSGMP	means the document “Kalgoorlie Consolidated Gold Mines Kaltails Seepage and Groundwater Management Plan” dated June 2020, as submitted to the CEO and including annual revisions of that document approved by the CEO
Landfill Definitions	means the document titled “Landfill Waste Classification and Waste Definition 1996” published by the Chief Executive Officer of the Department of Environment as amended from time to time
licence	refers to this document, which evidences the grant of a licence by the CEO under section 57 of the EP Act, subject to the specified conditions contained within
licence holder	refers to the occupier of the premises, being the person specified on the front of the licence as the person to whom this licence has been granted
m ³	means cubic metres

mbgl	means metres below ground level
MOL	means maximum operating level
Mtpa	means million tonnes per annum
NATA	means the National Association of Testing Authorities, Australia
NATA accredited	means in relation to the analysis of a sample that the laboratory is NATA accredited for the specified analysis at the time of the analysis
NEPM	means National Environmental Protection Measures
premises	refers to the premises to which this licence applies, as specified at the front of this licence and as shown on the premises map in Schedule 1 to this licence
prescribed premises	has the same meaning given to that term under the EP Act.
Putrescible waste	has the meaning defined in Landfill Definitions
quarterly	means the 4 inclusive periods from 1 January to 31 March, 1 April to 30 June, 1 July to 30 September, 1 October to 31 December in the same year
spot sample	means a discrete sample representative at the time and place at which the sample is taken
SWL	means standing water level
usual working day	means 0800 – 1700 hours, Monday to Friday excluding public holidays in Western Australia
TDS	means total dissolved solids
TSF	means tailings storage facility
WADCN	means weak acid dissociable cyanide
waste	has the same meaning given to that term under the EP Act

END OF CONDITIONS

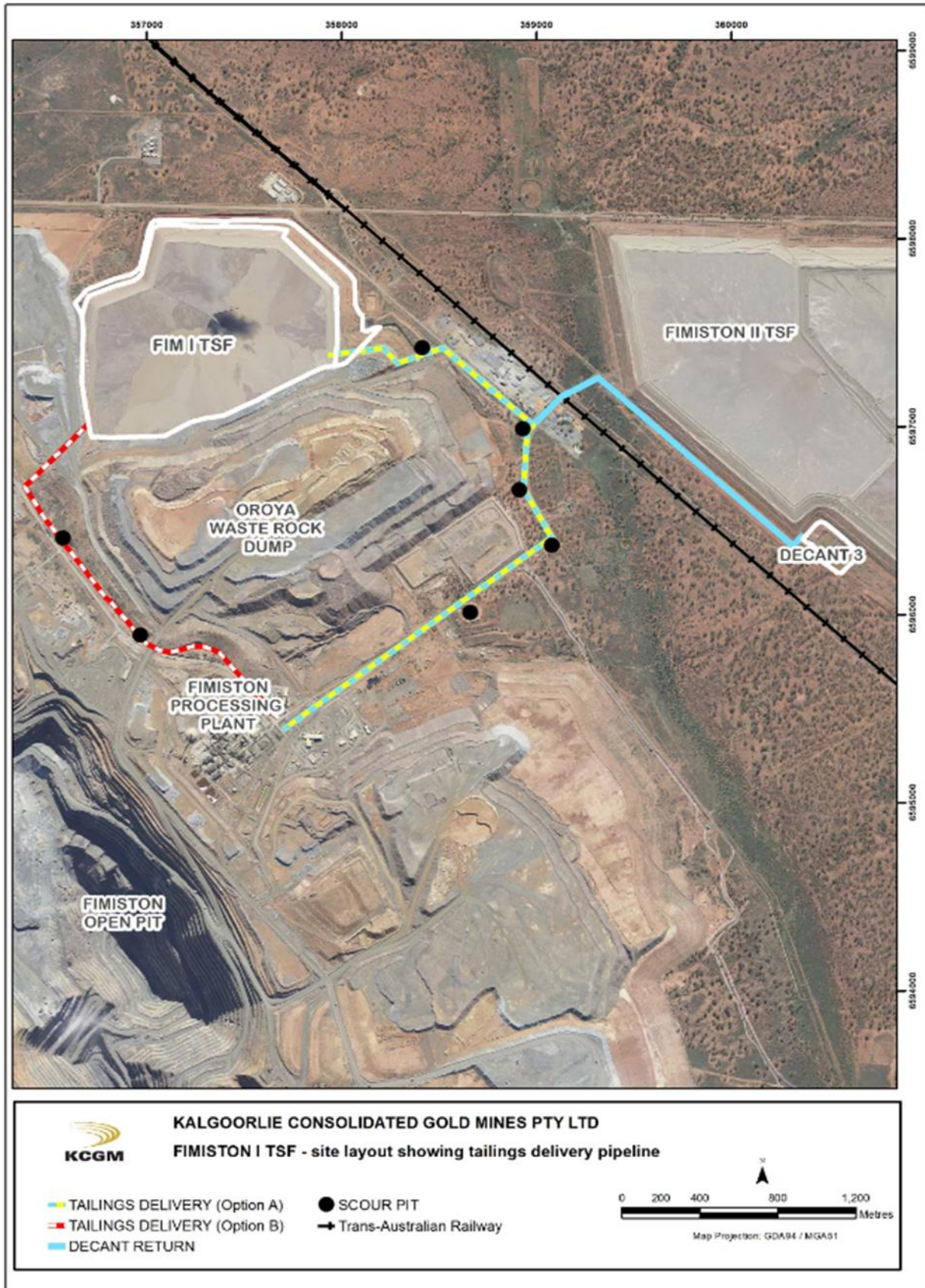
Premises map

MAP OF PREMISES BOUNDARY

Coordinates: 026119, 026131, 026144 - 026171, 026173 - 026176, 026182 - 026184, 026189 - 026191, 026193 - 026195, 026198, 026199, 026200, 026201, 026202, 026203, 026204, 026205, 026206, 026207, 026208, 026209, 026210, 026211, 026212, 026213, 026214, 026215, 026216, 026217, 026218, 026219, 026220, 026221, 026222, 026223, 026224, 026225, 026226, 026227, 026228, 026229, 026230, 026231, 026232, 026233, 026234, 026235, 026236, 026237, 026238, 026239, 026240, 026241, 026242, 026243, 026244, 026245, 026246, 026247, 026248, 026249, 026250, 026251, 026252, 026253, 026254, 026255, 026256, 026257, 026258, 026259, 026260, 026261, 026262, 026263, 026264, 026265, 026266, 026267, 026268, 026269, 026270, 026271, 026272, 026273, 026274, 026275, 026276, 026277, 026278, 026279, 026280, 026281, 026282, 026283, 026284, 026285, 026286, 026287, 026288, 026289, 026290, 026291, 026292, 026293, 026294, 026295, 026296, 026297, 026298, 026299, 026300, 026301, 026302, 026303, 026304, 026305, 026306, 026307, 026308, 026309, 026310, 026311, 026312, 026313, 026314, 026315, 026316, 026317, 026318, 026319, 026320, 026321, 026322, 026323, 026324, 026325, 026326, 026327, 026328, 026329, 026330, 026331, 026332, 026333, 026334, 026335, 026336, 026337, 026338, 026339, 026340, 026341, 026342, 026343, 026344, 026345, 026346, 026347, 026348, 026349, 026350, 026351, 026352, 026353, 026354, 026355, 026356, 026357, 026358, 026359, 026360, 026361, 026362, 026363, 026364, 026365, 026366, 026367, 026368, 026369, 026370, 026371, 026372, 026373, 026374, 026375, 026376, 026377, 026378, 026379, 026380, 026381, 026382, 026383, 026384, 026385, 026386, 026387, 026388, 026389, 026390, 026391, 026392, 026393, 026394, 026395, 026396, 026397, 026398, 026399, 026400, 026401, 026402, 026403, 026404, 026405, 026406, 026407, 026408, 026409, 026410, 026411, 026412, 026413, 026414, 026415, 026416, 026417, 026418, 026419, 026420, 026421, 026422, 026423, 026424, 026425, 026426, 026427, 026428, 026429, 026430, 026431, 026432, 026433, 026434, 026435, 026436, 026437, 026438, 026439, 026440, 026441, 026442, 026443, 026444, 026445, 026446, 026447, 026448, 026449, 026450, 026451, 026452, 026453, 026454, 026455, 026456, 026457, 026458, 026459, 026460, 026461, 026462, 026463, 026464, 026465, 026466, 026467, 026468, 026469, 026470, 026471, 026472, 026473, 026474, 026475, 026476, 026477, 026478, 026479, 026480, 026481, 026482, 026483, 026484, 026485, 026486, 026487, 026488, 026489, 026490, 026491, 026492, 026493, 026494, 026495, 026496, 026497, 026498, 026499, 026500, 026501, 026502, 026503, 026504, 026505, 026506, 026507, 026508, 026509, 026510, 026511, 026512, 026513, 026514, 026515, 026516, 026517, 026518, 026519, 026520, 026521, 026522, 026523, 026524, 026525, 026526, 026527, 026528, 026529, 026530, 026531, 026532, 026533, 026534, 026535, 026536, 026537, 026538, 026539, 026540, 026541, 026542, 026543, 026544, 026545, 026546, 026547, 026548, 026549, 026550, 026551, 026552, 026553, 026554, 026555, 026556, 026557, 026558, 026559, 026560, 026561, 026562, 026563, 026564, 026565, 026566, 026567, 026568, 026569, 026570, 026571, 026572, 026573, 026574, 026575, 026576, 026577, 026578, 026579, 026580, 026581, 026582, 026583, 026584, 026585, 026586, 026587, 026588, 026589, 026590, 026591, 026592, 026593, 026594, 026595, 026596, 026597, 026598, 026599, 026600, 026601, 026602, 026603, 026604, 026605, 026606, 026607, 026608, 026609, 026610, 026611, 026612, 026613, 026614, 026615, 026616, 026617, 026618, 026619, 026620, 026621, 026622, 026623, 026624, 026625, 026626, 026627, 026628, 026629, 026630, 026631, 026632, 026633, 026634, 026635, 026636, 026637, 026638, 026639, 026640, 026641, 026642, 026643, 026644, 026645, 026646, 026647, 026648, 026649, 026650, 026651, 026652, 026653, 026654, 026655, 026656, 026657, 026658, 026659, 026660, 026661, 026662, 026663, 026664, 026665, 026666, 026667, 026668, 0266

L6420/1988/14

Map: Site layout indicating the locations of the new tailings delivery pipeline to Fimiston I TSF (dashed line) and scour pits (dots). Decant return line in blue.



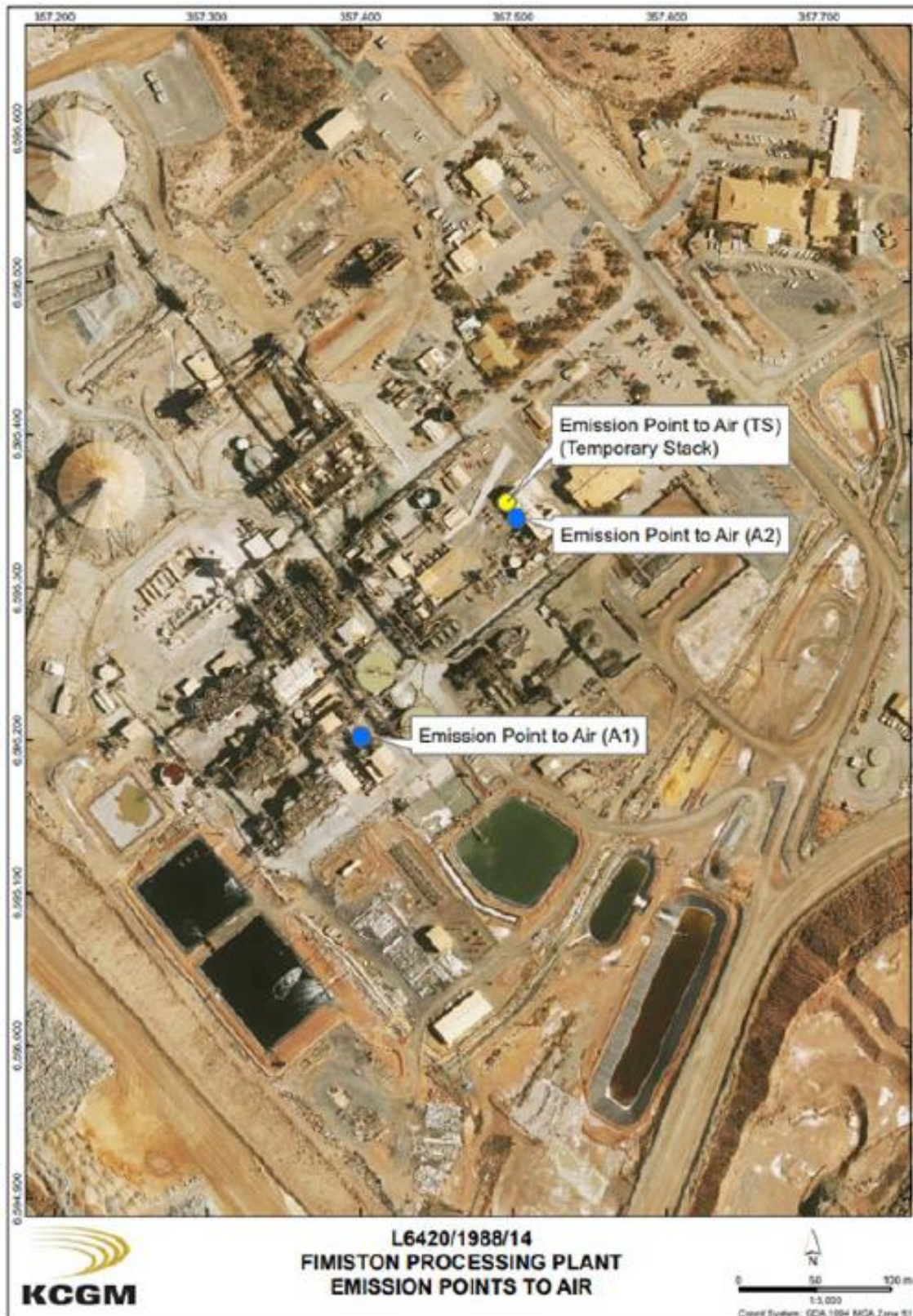
Map of waste disposal zones within the Paringa Facility

The areas subject to Zone A and Zone B defined in Table 10 are shown below.



Map of emission points

The locations of the emission points defined in Table 9 are shown below.



L6420/1988/14

Map of monitoring locations 1

The location of the monitoring point at Paringa Facility defined in Table 12 is shown below.



Map of monitoring locations 2



Map of monitoring locations 3

The locations of the ambient groundwater monitoring points defined in Table 14 and Table 1 and Table 2 of Schedule 1 as Kaltails Zone A Monitoring Bores and Kaltails Zone B Monitoring Bores, are shown below. Compliance bores are shown in as circles.



Maps of monitoring locations - Tables

Table 1: Compliance bores							
Eastern Borefield Compliance Monitoring Bores							
MB F1	MB F9		MB F43	MB F57	MB F72	MB F79	TRE3
MB F2		MB F27	MB F45	MB F60	MB F73	MB F80	TRP4
MB F3	MB F19	MB F30	MB F47	MB F61	MB F74	MB F81	
MB F4	MB F20	MB F31	MB F49	MB F65	MB F75	MB F82	
MB F6	MB F21	MB F32	MB F54	MB F66		MB F83	
MB F7	MB F23	MB F33	MB F55	MB F67	MB F77	MB F84	
MB F8		MB F38	MB F56			MB F85	
Kaltails Zone A Compliance Monitoring Bores							
			MB K11			MB K14	
MB K06			MB K13			MB K15	
Kaltails Zone B Compliance Monitoring Bores							
MB K01			MB K03			MB K21	
MB K02			MB K04			MB K46	
MB K05							

Table 2: All groundwater monitoring sites								
Eastern Borefield Dams And Trenches								
Decant 1	Decant 3		Fimiston I Nth Trench		Fimiston II Sth Trench			
Kaltails Dams and Trenches								
Decant 4			Kaltails Seepage Interception Trench					
Eastern Borefield Monitoring Bores								
MB F1	MB F10	MB F27	MB F39	MB F49	MB F61	MB F74	MB F84	TRP3
MB F2	MB F11	MB F30	MB F40	MB F50	MB F62	MB F75	MB F85	TRP4
MB F3	MB F12	MB F31	MB F41	MB F51	MB F63			
MB F4		MB F32	MB F42	MB F52	MB F64	MB F77	NTD 1	
MB F5	MB F19	MB F33	MB F43	MB F53	MB F65		NTD 2	
MB F5A	MB F20	MB F34	MB F44	MB F54	MB F66	MB F79	NTD 3	
MB F6	MB F21	MB F35	MB F45	MB F55	MB F67	MB F80	NTD 4	
MB F7	MB F23	MB F36	MB F46	MB F56		MB F81	NTD 5	
MB F8		MB F37	MB F47	MB F57	MB F72	MB F82		
MB F9		MB F38	MB F48	MB F60	MB F73	MB F83		
Kaltails TSF Monitoring Bores								
MB K01	MB K05	MB K14	MB K23	MB K46	MB K59	MB K66	MB K79	MB K83
MB K02	MB K06	MB K15	MB K24	MB K56	MB K61	MB K67	MB K80	
MB K03	MB K11	MB K17	MB K25	MB K57	MB K63	MB K77	MB K81	
MB K04	MB K13	MB K21	MB K42	MB K58	MB K65	MB K78	MB K82	

Schedule 2: Construction of replacement Monitoring bores

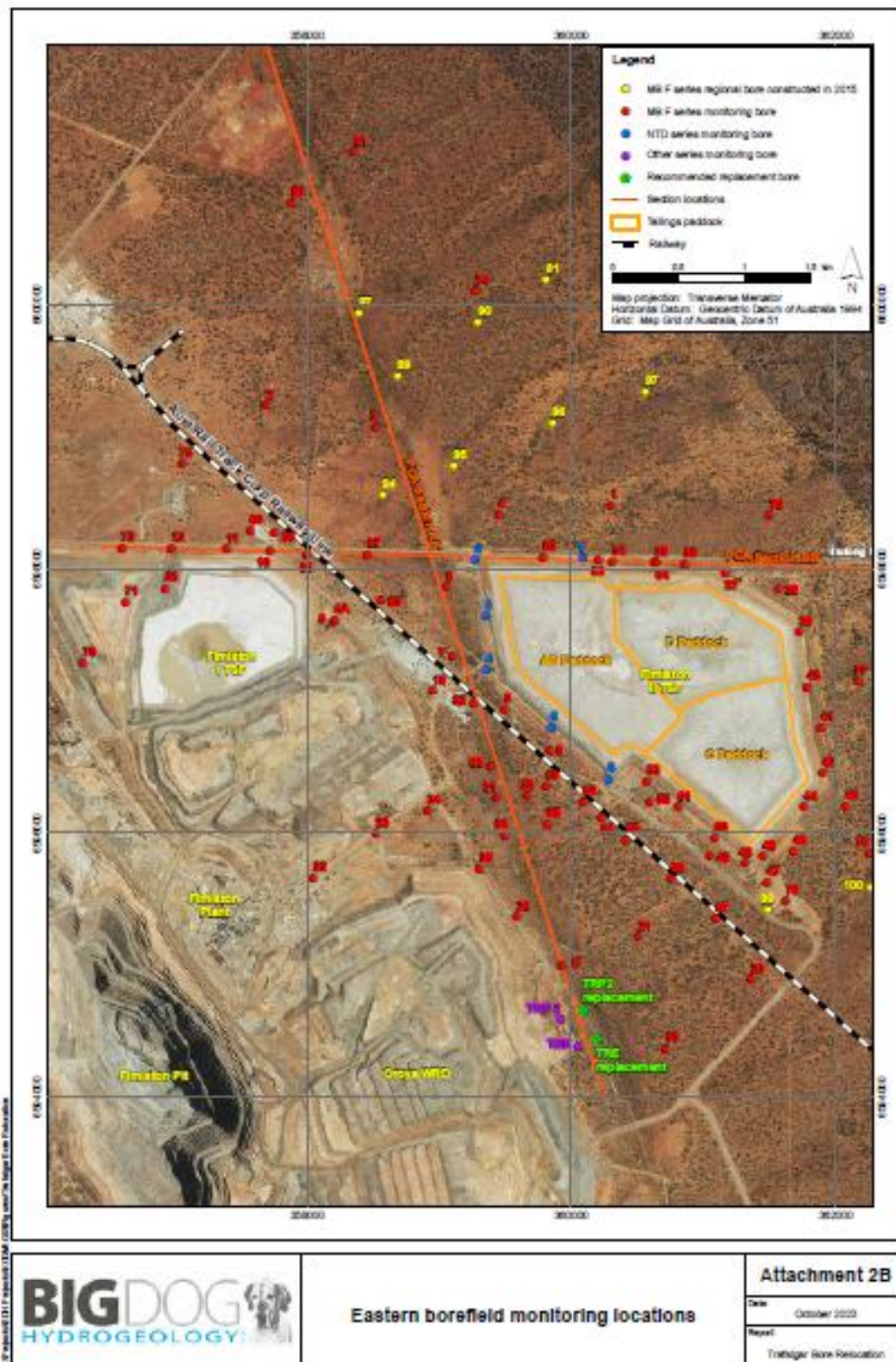


Figure 1: Location of replacement bores TRP3 and TRP4 (to replace TRP2 and TRE (in green))

L6420/1988/14

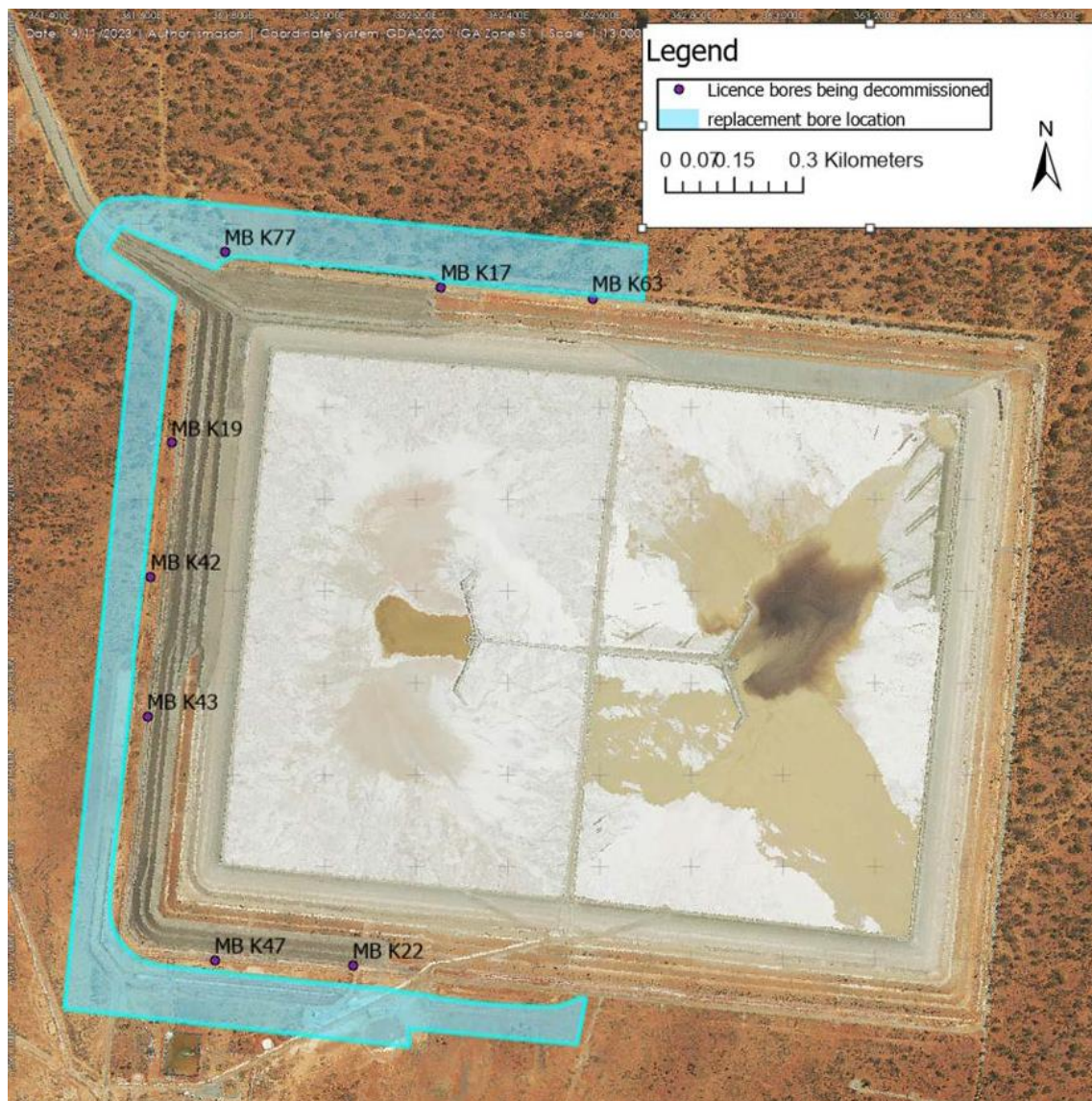


Figure 2: Blue area depicts location approved for replacement monitoring bores (MK K78, MB K79, MB K80, MB K81, MB K82, MB K83) to be constructed.

Schedule 3: Notification & Forms

These forms are provided for the proponent to report monitoring and other data required by the Licence. They can be requested in an electronic format.

Licence: L6420/1988/14
Form: N1

Licence Holder: Kalgoorlie Consolidated Gold Mines Pty Ltd
Date of breach:

Notification of detection of the breach of a limit

These pages outline the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

Part A

Licence Number	
Name of operator	
Location of Premises	
Time and date of the detection	
Notification requirements for the breach of a limit	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	

Part B

Any more accurate information on the matters for notification under Part A.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident.	
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission.	
The dates of any previous N1 notifications for the Premises in the preceding 24 months.	
Name	
Post	
Signature on behalf of Kalgoorlie Consolidated Gold Mines Pty Ltd	
Date	