

Appendix B

Waste Discharge Licence 175

Our ref EN2004/0104~02

Environment, Heritage and The Arts
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Smith Street Mall
Postal address PO Box 496
PALMERSTON NT 0831
Tel 08 8924 4049
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Email: helen.davies@nt.gov.au

Mr Bruce Morrin
Managing Director
Redbank Copper Ltd
PO Box 870
West Perth
Western Australia 6872

Dear Mr Morrin

**RE: Redbank Copper Limited
Water Discharge Licence (WDL) 175**

I refer to Redbank Copper Limited's application for a waste discharge licence (WDL) received on 13 October 2009. I would like to thank you for the site visit by my departmental staff members, Sally-anne Strohmayr, Bryan Baker and Helen Davies, to Redbank Mine on 5 and 6 of November 2009 and for the comments received from your representative, Mr Ray Hall of EcOz Environmental Services, on 10 and 16 November 2009 on the various drafts of the WDL.

We have considered the relevant aspects of the water treatment and discharge regime gathered at the site visit and the comments received on the draft WDL. All have been incorporated where relevant into the WDL. Two copies of the WDL are attached (Attachment 1) for your signature on the Environmental Commitments section prior to its finalisation. Once the Environmental Commitment section has been signed can you please return both copies to:

Cathy Waldron
Manager Environmental Operations
Environment, Heritage and the Arts
Department of Natural Resources, Environment, the Arts and Sport (NRETAS)
PO Box 496, Palmerston NT 0831

Once finalised by NRETAS, one of the original copies will be returned to you.

Thank you again for your timely cooperation in finalising the WDL. Should you wish to further discuss any matters raised in this letter, please contact Helen Davies on 08 8924 4049.

Yours sincerely



Matt Darcey
A/Executive Director
Environment, Heritage and the Arts Division

24 November 2009

Attachment 1: Waste discharge licence 175 (2 copies)



WASTE DISCHARGE LICENCE

(Pursuant to section 74 of the Water Act)

Licence Number: 175

Licence Details

Licence number: WDL 175
Commencement date: 20/11/2009
Expiry Date: 20/02/2010

Licensee

Legal Entity Name: Redbank Copper Limited
ACN: 059 326 519
Registered Business Address: Level 1,
143 Hay St,
Subiaco WA 6008
Postal address: PO Box 870,
West Perth WA 6872
Contact Person: Bruce Morrin
Telephone Number: 08 6389 6400
Facsimile: 08 6389 6410
E-mail: Bruce.Morrin@redbankcopper.com.au

Location of Operation

Redbank Copper Limited, Savannah Way, Wollogorang Station

Acting Mine Manager: Perry Hobden
24 hour emergency contact telephone: 08 8975 9884
Mine Facsimile: 08 8975 9884
Mine E-mail: redbankcopper@bigpond.com
Camp Telephone: 08 8975 9852
Camp Facsimile: 08 8975 9872

Licensed Action(s)/Activity(s)

Discharge waste water from Sandy Flat Mine, Mine Lease Northern (MLN) number 632 (which also receives surface waters from within MLN 631, 633, 636 and 1108) into Hanrahans Creek.



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INFORMATION ABOUT THIS WASTE DISCHARGE LICENCE

Licensed Action

This Licence only allows the Licensee to discharge waste waters from a mine lease area to waterway pursuant to s74 of the Water Act and under the conditions set out in this licence.

Definitions of Terms

A section on the definitions of terms used in this licence is located at the end of the licence.

Responsibilities of licensee

Licensees are to adhere to and ensure that employees and contractors are made aware of the conditions of this licence.

Duration of Licence

This Waste Discharge Licence (WDL) will remain in force for a period to **20 February 2010**.

Renewal of Licences

Application for renewal should be made no later than **15 January 2010** if continuation of authorised waste discharge is required.

A WDL is granted for a period not exceeding two (2) years. The Licensee can apply for the licence to be renewed for a period longer than two years. A renewal for longer than 2 years requires the Minister for Natural Resources, Environment & Heritage to be satisfied that it is justified by special circumstances.

Licence renewal requires the submission of the approved application form. Failure to apply for licence renewal within the specified time limit will not be treated as a breach of the terms and condition of this licence. However continuing to discharge waste without a licence is an offence under the *Water Act*.

The application form for a WDL and more information about the application process is available on the Department of Natural Resources, Environment, the Arts and Sport's (NRETAS) website (<http://www.nt.gov.au/nreta/environment/licences/guides.html>)

The following information must be included in the documentation accompanying the Waste Discharge Licence application:

- Risk assessment; and
- Monitoring plans (surface waters, groundwater, ecotoxicology and biological where relevant).

Public Register

All granted Licences will be placed on the NRETAS public register and freely available for public viewing and copying from the NRETAS website.



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Environmental Commitment

Redbank Copper Limited (Redbank) and NRETAS have identified the following opportunities and actions for Redbank to minimise its environmental impact:

Redbank will:

- develop a surface water monitoring plan with the objective of characterising the nature and extent of off site migration of contaminants from the Mine lease area and submit to NRETAS for approval by 20 February 2010;
- develop options for wastewater treatment and report on its findings to NRETAS by 20 February 2010
- investigate the potential for developing functional wetland systems to assist in the management of waste water migrating off the site;
- will install a telemetric monitoring system by 30 October 2010 if a WDL is expected to be required for the 2010/2011 wet season; and
- undertake to investigate improved methodology for in-situ assessment of contaminants in surface waters e.g diffusion gradient in thin-films (DGT) or other suitable micro filtration laboratory techniques for assessing dissolved metal concentrations free of colloidal and non-bioavailable metal fractions and provide a report on its finding to NRETAS by 20 February 2010.

NRETAS will:

- provide input where appropriate into the development of wastewater reuse, recycling and minimisation schemes; and
- provide guidance principles where relevant to assist the above.

The signatures below confirm Redbank's public commitment to improve environmental performance and NRETAS's acknowledgment of that public commitment.

.....
Bruce Morrin
Managing Director
Redbank Copper Ltd

.....
Matt Darcey
A/Executive Director
Environment, Heritage and the Arts
Division, NRETAS

Date:

Date:



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This licence is issued to:

Name of Licensee: Redbank Copper Limited
Address of Licensee: Level 1
143 Hay St
Subiaco, Western Australia 6008

subject to the conditions that follow:

CONDITIONS

ADMINISTRATIVE CONDITIONS

A.1 Obligations to comply

A1.1 The holder of this licence must not contravene or fail to comply with the conditions of this licence.

A.2 What this licence authorises and regulates

A2.1 This licence authorises the discharge of waste waters off the premises/operation listed in A.3 to a water body as detailed in P.1.

A.3 Operation to which this licence applies

A.3.1 This licence applies to the following operation:

Redbank Copper Limited, Savannah Way, Northern Territory within the Mineral Lease Northern (MLN) numbers: MLN631, MLN 632, MLN 633, MLN 1108.

A.4 Documents to Apply

A.4.1 The following documentation prepared by EcOz Environmental Services apply to this licence:

- *Redbank Mines Ltd Monitoring Plan and Supporting Information* 31 August 2009 (noting that the monitoring plan is to be finalised by 20 February 2009)
- *Redbank Mine Water Management Plan* 21 July 2009
- *Further Information for Redbank Mine WDL Application* dated 15 September 2009



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This licence shall be read in conjunction with the above documents, as amended from time to time, however should any inconsistency exist between these documents and the Licence, this Licence prevails.

- A.4.1 These plans must be implemented in full unless agreed with NRETAS. Revised versions must be provided to the Executive Director as they become available.

A.5 Change of Contact Details

- A.5.1 The Controller of Water Resources (or delegate) must be notified within 24 hours of all changes to the name, telephone number and/or pager contact details of the person who can respond to an incident relating to the licensed action. Details are to be provided to:

Executive Director, Environment, Heritage and the Arts
Department of Natural Resources, Environment, the Arts and Sport
PO Box 496, Palmerston NT 0831

ph: 08 892 44135
fax: 08 892 44053

or alternatively email: Licencing.nretas@gov.au

A.6 Operational Changes

- A.6.1 The Licensee must not, without the prior approval of the Controller (or delegate), alter or change any of the following:
- i) the components or treatment process of the Licensed Action(s)/Activity(s);
 - ii) the nature or quantity of materials dealt with or used or produced in the operation of the Licensed Action(s)/Activity(s); and
 - iii) the construction, installation, alteration or removal of any structure or equipment used in the course of the operation of the Licensed Actions(s)/Activity(s) including the location of monitoring points.

A.7 Complaints Recording

- A.7.1 The licensee must keep a legible record of each complaint made to the licensee or any employee or agent of the licensee in relation to the Licensed Action(s)/Activity(s).
- A.7.2 The record must include details of the following:
- a) the date and time of the complaint;
 - b) the method by which the complaint was made;
 - c) all personal details of the complainant which were provided by the complainant or, if no such details were provided, a note to that effect;



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- d) the nature of the complaint ('odours', 'water pollution', 'aesthetic' and other);
- e) the action taken by the licensee in relation to the complaint, including all follow-up contact with the complainant; and
- f) if no action was taken by the licensee, the reasons why no action was taken.

A.7.3 The record of a complaint must be kept for at least 1 year after the complaint is made, and must be included in the Annual Licence Performance Report (see Recording and Reporting Conditions)

The record of complaints must be provided on request to any officer authorised by the Controller of Water Resources on proof of authorisation.

A.8 Change of Ownership or Cessation of Operations

A.8.1 The Licensee must notify the Controller of Water Resources or delegate within 1 week of changes to ownership or cessation of operations at the licensed facility.

A.9 Development of a Communication Plan

A.9.1 The Licensee must develop by 20 February 2010 an appropriate communication plan about the discharge activity which includes a strategy for communicating with members of the public who are likely to have a real interest in or be affected by the discharge. The communication plan is to be developed by a suitable qualified person with demonstrated experience in communications.

PERMITTED DISCHARGES TO WATER AND LIMIT CONDITIONS

P.1 The Licensee may only discharge waste waters from the Redbank Sandy Flat Mine to Hanrahans Creek at the point (WPT Zone 53K 790834, 8096624) marked by the number 2 on Map 1 titled *Proposed Waste Water Discharge location at Sandy Flat Mine*. This point is referred to in Table 1 of this Licence as Hanrahans Creek (HC).

This position is further identified by the red dot in Map 2 *Surface Water Sampling Locations at Redbank Copper Mine* and approximately coincides with the boundary of MLN number 632 which receives surface waters from MLN 631, 633, 636 and 1108.



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P.2 Discharge Points

Subject to this Licence, the Licensee may only discharge waste water at the authorised discharge points specified in Table 1.

Table 1. Authorised Discharge Points		
Authorised Discharge Point	Description	Location
HC	Confluence of Hanrahans and Unnamed creek as marked by red dot on map Attachment 2	Zone 53K 790834 8096624

P.3 Qualitative Discharge Limits

P.3.1 Waste water discharged from authorised discharge point HC must not:

- contain any visible floating oil, grease, scum or litter or other objectionable floating matter;
- cause odours which would adversely affect the use of the surrounding waters;
- prove a barrier to the migration of fish or other aquatic organisms;
- cause mortality of fish or other aquatic organisms; or
- cause fish, other aquatic organisms or any edible products to be unacceptable for human consumption as determined by Territory health standards, and any standard in force from time to time, applying to the sale for human consumption of such products for human consumption in the Territory, interstate or overseas.

P.4 Concentration Discharge Limits

P.4.1 Waste water must only be discharged at point HC when it complies with the water quality limits specified in Table 2.

Table 2 Limits for discharged waste water		
Water quality indicator for waste water at the discharge point	Compliance criteria	Discharge and Monitoring point
pH	6.5 - 8.0 pH units	HC



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MONITORING AND SAMPLING CONDITIONS

M.1 Sampling Points

- M.1.2 The points referred to in Table 3 and shown in map Attachment 2 are identified in this licence for the purpose of monitoring and/or sampling.
- M.1.3 The licensee must install, maintain and provide appropriate identification signage at all sampling points required by this Licence so that they are easily accessible at all times to site personnel and officers authorised by the Controller of Water Resources.

Table 3. Sampling/monitoring Points		
Sampling Point	Description	Location
ID No./Ref	Name Identified on attached map 2 titled Surface water sample locations at Redbank Copper mine	GPS coordinates
Monitoring point 2	Sample point 6	Zone 53K 789814 8095914
Monitoring point 3	Sample point 9	Zone 53K 788585 8093243
Monitoring point 4	Sample point 12	Zone 53K 797492 8087425
Monitoring point 5	Sample point 13	Zone 53K 811786 8094051
Monitoring point 6	Sample point beyond point 13	NRETAS to be notified of this location prior to discharge.

M.2 Surface Water Sampling and Monitoring Programme

- M.2.1 The licensee must undertake surface water sampling at all the points outlined in Tables 1 and 3 and undertake the analysis for all parameters and at the frequency listed in Table 4.

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Table 4: Parameters to be tested, analytical methodology and sampling frequency		
Water quality indicator for waste water at the discharge point	Analytical method	Sampling Frequency
Copper*	Hach – DR/890 Portable Colorimeter	Daily (treated water prior to release)
	Laboratory analysis	Fortnightly
Aluminium*	Laboratory analysis	Fortnightly
pH	Hannah pH Probe	Daily
Electrical conductivity	Hannah EC Probe	Daily
Unfiltered Alkalinity (mg CaCO ₃ /L)	Suitable field sampling equipment to be purchased by 1 December 2009 and implemented	Daily
Turbidity	Laboratory analysis	Fortnightly
Total and filtered Iron*	Laboratory analysis	Fortnightly
HCO ₃	Laboratory analysis	Fortnightly
Sulfate	Laboratory analysis	Fortnightly
Sulfide expressed as un-ionised H ₂ S	Laboratory analysis	Fortnightly

*The chemical analysis of metal and metalloid must include an assessment of both total and filtered components.

- M.2.2 The Licensee must provide the laboratory certificates of the results of the discharges to NRETAS on a fortnightly basis.
- M.2.3 If the pH limits varies by 1 standard deviation from the normal daily average over three consecutive days then the licensee must inform NRETAS of the exceedences within 24 hours. The Licensee must also provide a brief report on the cause of the exceedences and develop a course of action agreeable to NRETAS for the continuation of discharge.
- M.2.4 The Licensee will meet fortnightly with NRETAS to discuss the results and determine appropriate actions to manage potential impacts.
- M.2.6 NRETAS will be informed in writing within 7 days of the Licensee becoming aware of information or data indicating a material change in conditions at the Redbank mine lease area or in its surrounding environment which could affect compliance with the discharge requirements of the WDL or result in harm to the environment.
- M.2.7 NRETAS will be informed in writing within 7 days of the Licensee becoming aware of any failure, either by the Licensee or any other person, to comply with any component or aspect of the discharge conditions.



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M.3 Groundwater Monitoring Programme

- M.3.1 The Licensee must develop a groundwater monitoring plan with the objective of assessing the nature and extent of off site-migration from the Redbank Copper Mine site and submit to NRETAS approval by 31 December 2009. The groundwater monitoring plan must be consistent with section 2 (*Assessing groundwater contamination*) of the *NSW Guidelines for the Assessment and Management of Groundwater Contamination* December 2007 published by the NSW Department of Environment and Conservation.

The plan must be sufficient to enable the development of a conceptual hydrogeological model to provide an understanding of the groundwater regime and the risk posed by the off-site migration of contamination from the site. The plan must include as a minimum:

- details of the soil stratigraphy using recognised soil classification methods e.g. Australian Standards 1726 or equivalent ;
- site boundary borehole logs showing stratigraphy;
- details of the different water bearing zones (e.g. perched, confined and unconfined aquifers) and their characteristics in terms of permeability and yield and identify any connectivity between the water bearing zones;
- detailed description of the location, design and construction of boundary wells,
- depth to groundwater table;
- direction and rate of groundwater flow
- background water quality
- preferential flow paths
- sampling and analysis plan and sampling methodology
- field and laboratory quality assurance and control
- assessment criteria
- identification of potential receptors; and
- details of how data will be interpreted to enable development of the conceptual hydrogeological model complete with a summary of any data gaps.

- M.3.2 Bore construction, use of monitoring bores and groundwater sampling must be developed with consideration of guidance outlined in the following documents:

- Minimum construction requirements for water bores in Australia, Edition 2 revised September 2003, Land and Water Biodiversity Committee Commonwealth of Australia, www.nrme.qld.gov.au; and
- Groundwater sampling guidelines publication 669:
<http://epanote2.epa.vic.gov>

M.4 Ecotoxicology Programme



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- M.4.1 The Licensee must develop an ecotoxicological plan for assessing the effluent leaving the site and submit to NRETAS for approval by 31 January 2010. The objective of the effluent toxicity testing shall be to assist with the derivation of dilution rates for discharge into the receiving environment which will be applied at an agreed monitoring point so as to ensure that the dilution rate is consistent with an agreed level of ecosystem protection (to be set in agreement between Redbank and NRETAS and be consistent with the ANZECC 2000 guidelines).
- M.4.2 The Licensee will undertake to develop site specific baseline trigger values for pH, electrical conductivity, sulphate and copper by 20 February 2010. Statistical analysis comparisons of downstream and upstream water chemistry must also be considered in the development of these trigger values.
- M.4.2 The plan must be developed by appropriately qualified persons with demonstrated experience in ecotoxicology

M.5 Biological Monitoring Programme

- M.5.1 The Licensee will undertake an annual post wet season macroinvertebrate sampling prior to cessation of flow in Hanrahans and Redbank Creeks to assess the ongoing effects on downstream macroinvertebrate assemblages due to mining practices. The methodology for the programme must be based on the AusRivAS protocol.

RECORDING AND REPORTING CONDITIONS

R.1 Monitoring

- R.1.1 All records required to be kept by this licence must be:
- in a legible format; and
 - provided on request to any officer authorised by the Controller of Water Resources (or Delegate) on proof of authorisation; or to enable review performance/monitoring with water quality objectives, or any other reasonable matter that the Controller or Delegate considers that requires review.
- R.1.2 The following records must be kept in respect of each sample required to be collected by this licence:
- the date(s) on which the sample was taken;
 - the time(s) at which the sample was collected;
 - the point(s) at which the sample) was taken;
 - the name of the person who collected the sample; and
 - the chain of custody forms relating to the sample(s);
 - the measured or estimated total daily flow volume of the waste water leaving the site; and
 - the field measurements and/or analytical results for the sample.



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R.2 Incidents

- R.2.1 The Licensee must notify NRETAS by telephone via the Pollution Hot Line (1800 06 4567) within 24 hours of field measurements indicating non-compliance with the limit or range specified in any Table in this Licence.
- R.2.2 The Licensee must ensure that the Controller of Water Resources (or delegate) is notified in writing within one month of becoming aware of each incident of actual or anticipated non-compliance with the Administrative, Monitoring & Sampling (other than as described in the two immediately preceding conditions) and Recording & Reporting conditions of this Licence.
- R.2.3 The Licensee must comply with all directions issued by the Controller of Water Resources (or delegate) in response to notifications given of non-compliance with the conditions of this Licence.
- R.2.4 The Licensee must ensure that a legible record is kept of all actual or anticipated incidents of non-compliance with the conditions of this Licence. The record must include details of the following:
- the date, time and circumstance(s) under which the incident became known to the Licensee or an employee or agent of the Licensee;
 - the known or estimated dates and times at which the incident commenced and ended ;
 - all personal details of the person initially reporting the incident;
 - the specific Licence condition(s) not complied with;
 - all directions issued by the Controller of Water Resources (or delegate) in response to notifications given of non-compliance with the conditions of this Licence.
 - the action taken by or on behalf of the Licensee in relation to the incident; and
 - if no action was taken by the Licensee, the reasons why no action was taken.

R.3 Risk assessment summary report

- R.3.1 The Licensee must provide NRETAS by 20 February 2010 a risk assessment report compiled from a detailed **analysis and interpretation** of monitoring results.
- R.3.2 The report must contain, but is not necessarily limited to, the following:
- A diagrammatic representation of the activity with particular focus on the location of the discharge point and monitoring points, inflow, overflow and outflow;
 - The results of the discharge and monitoring programmes required in this Licence and a progress report on the environmental commitments;



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- c) A summary report on the fate and transport of the contamination leaving the site i.e.
- the type, nature, quantity and concentration of contaminants migrating off the site and the transport mechanism by which the contaminants are transported (e.g. during flood or via sedimentation, water, groundwater or air);
 - whether the substances are toxic, persistent or bioaccumulative;
 - the fate of the contaminants in the receiving environment;
 - the potential impacts on ecosystem health;
 - whether there are any rare and endangered species present in the receiving environment that could be affected by the contamination;
 - recreational use of the receiving waters;
 - other potential public health exposure areas and information on any other sources of pollution;
 - whether there are exposure pathways available to the substances; and
 - an analysis of any gaps (i.e. a gap analysis) identified in the assessment, monitoring and reporting on the quality of the surface and groundwaters leaving the site.

From the above information the Licensee must identify priority actions to reduce the risk level and develop a remedial options report. This should include:

- outlining remedial action options to address overflows with the highest risk;
- detailing the preferred remedial actions; and
- prioritising the remedial actions within timeframes established in discussion with NRETAS.

5 ENVIRONMENT MANAGEMENT SYSTEMS

- 5.1 The Licensee has developed a management plan titled *Redbank Mine Environmental Management Plan, Construction and Operation*. ("the EMP") consistent with ISO 14001 management requirements.

The licensee will continue to operate and manage its premises in accordance with this EMP and regular updates and specific management actions will be reported through the quarterly water management plan reporting.

End of Licence Conditions

This Licence is not valid unless signed below:

.....
 Matt Darcey
 Executive Director
 Environment Heritage and the Arts, NRETAS
 Delegate for the Controller of Water Resources

Dated the day of2009



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IMPORTANT NOTICE

General obligations of the licensee, separate to the requirements of this licence, are set out the section 16 and 73 of the Water Act (the Act). In summary, this means that any waste discharge to water will require a Waste Discharge Licence (WDL) issued by NRETAS under Part 7 of the Water Act. The Water Act states that a person shall not cause, either directly or indirectly, waste to come into contact with water, or water to be polluted, unless authorised to do so under a licence or any other law in force in the Territory

The licence remains valid until the date specified in the licence. The licensee must comply with the conditions of this licence. Failure to do so is an offence and may incur penalties and/or other statutory actions.

RECOMMENDATIONS

It is strongly recommended that application for renewal should be made no later than 90 days before the licence expiry date, if continuation of authorised waste discharge is required.

Monitoring plans should include contingency measures should the licence activities cease or change.



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DEFINITIONS

'Act' means the Water Act

'Activity' means the current or proposed activity and includes a current or proposed process, project venture or business.

'Authorised Officer' is a person appointed under section 21 of the Act.

'BTEX' means the consortium of aromatic hydrocarbons consisting of benzene, toluene, ethyl benzene and a mixture of xylenes.

'CE' or 'Chief Executive' for the purpose of correspondence means:
Chief Executive

'Delegate' is a person who has been delegated powers by the Minister or Controller of Water by an instrument in writing.

'Department of Natural Resources, Environment, the Arts and Sport'

PO Box 496

Telephone: (08) 8924 4139

PALMERSTON NT 0831

Facsimile: (08) 8924 4053

'Environmental nuisance', 'environmental harm', 'material environmental harm' and 'serious environmental harm' each has the meaning described in section 4 of the Act.

'Executive Director' is the Executive Director, Environment, Heritage and The Arts Division of the Department of Natural Resources, Environment, The Arts and Sport for and on behalf of the Chief Executive Officer as delegated under Section 8 of the Act.

'License' means a licence granted and in force under the Act.

'N.A.T.A.' means the National Association of Testing Authorities, Australia.

'NRETAS' means the Department of Natural Resources, Environment, The Arts and Sport (NT) or if dissolved, another NT government department with the responsibility of administering the Waste Management and Pollution Control Act.

'Pollute' has the meaning described in section 4 of the Act.

'Site Manager' is any person who is or was responsible for the environmentally relevant activity for which this Licence is issued and includes the officers, employees, agents and assigns of that person, and may be a body corporate.

"Suitably qualified person/s" means a person having the knowledge, skills and experience to provide advice on the issues impacting the environment. The advice must reflect the current state of knowledge on environmental issues.

'Waste' has the meaning described in section 4 of the Act.



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'Waterway has the meaning described in section 4 of the Act

'Water means water whether or not it contains impurities

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Checklist

Checklist Table of Compliance dates		
Parameter	Date(s)	Done and/or Provided
End of Licence period	20 February 2010	
Application for renewal of licence (as near as practicable)	15 January 2010	
Change of contact details (if relevant) (A.5)		
Have all complaints been notified to NRETAS (A.7)		
Change of ownership of operation (if relevant) (A.8)		
Develop Communication plan (A.9)	20 February 2010	
Non-compliance with qualitative discharge conditions (P.2.2)		
Monitoring (M.1.3 to M.5) - Notification of sampling point beyond point 13; - Groundwater monitoring plan - Ecotoxicology Plan - Undertake biological monitoring programme	Prior to discharge 31 December 2009 31 January 2010 Prior to cessation of flow.	
Implementation of all conditions (sections P, M and R)		
Incident reporting (R.2)		
Annual report (R.3)		
Risk assessment in accord with ANZECC 2000 or equivalent		
Monitoring plans to be submitted with new licence application		

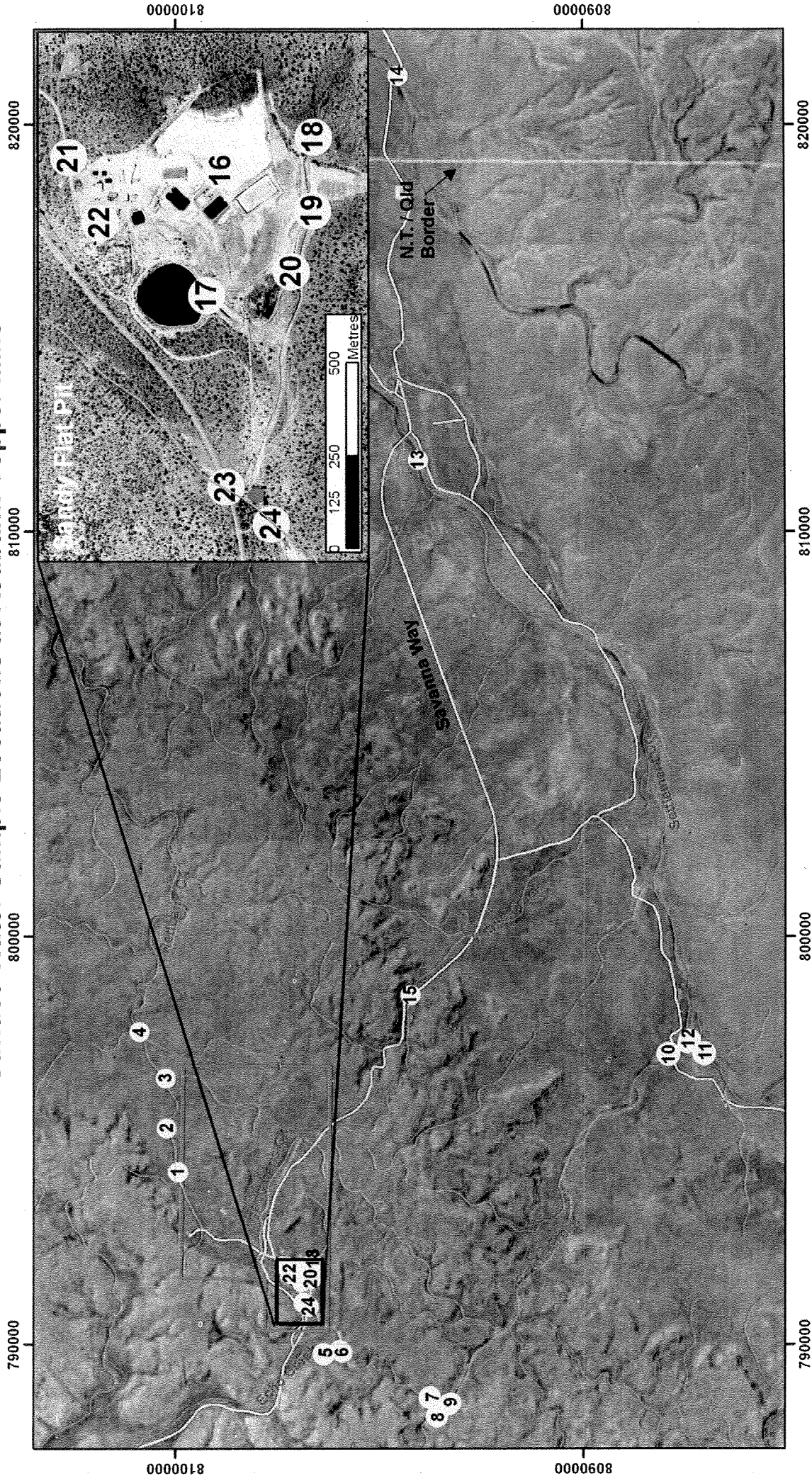
Proposed Waste Water Discharge Location at Sandy Flat Mine



Client: Redbank Copper Mine Pty Ltd
 Projection: GDA84 (UTM), Zone 53
 Created: Tom Reilly, 15th September 2009
 Prepared for: Waste Discharge Licence
 Image: June 2008



Surface Water Sample Locations at Redbank Copper Mine



●

Surface Water Sites

—

Watercourse lines

—

Redbank Mine Boundary (approx)

—

Contours

—

Roads

●

Discharge Point into Hanrahans Ck

N

0

1.25

2.5

5

7.5

10

Kilometres

MAP PROJECTION: GDA94 (UTM), Zone 53/54

VDM

CONSULTING

3rd, February 2009

ECOZ



WASTE DISCHARGE LICENCE

(Pursuant to section 74 of the Water Act)

Licence Number: 175

Licence Details

Licence number: WDL 175
Commencement date: 20/11/2009
Expiry Date: 20/02/2010

Licensee

Legal Entity Name: Redbank Copper Limited

ACN: 059 326 519

Registered Business Address: Level 1,
143 Hay St,
Subiaco WA 6008

Postal address: PO Box 870,
West Perth WA 6872

Contact Person: Bruce Morrin
Telephone Number: 08 6389 6400
Facsimile: 08 6389 6410
E-mail: Bruce.Morrin@redbankcopper.com.au

Location of Operation

Redbank Copper Limited, Savannah Way, Wollogorang Station

Acting Mine Manager: Perry Hobden
24 hour emergency contact telephone: 08 8975 9884
Mine Facsimile: 08 8975 9884
Mine E-mail: redbankcopper@bigpond.com
Camp Telephone: 08 8975 9852
Camp Facsimile: 08 8975 9872

Licensed Action(s)/Activity(s)

Discharge waste water from Sandy Flat Mine, Mine Lease Northern (MLN) number 632 (which also receives surface waters from within MLN 631, 633, 636 and 1108) into Hanrahans Creek.



WASTE DISCHARGE LICENCE

(Pursuant to section 74 of the Water Act)

Licence Number: 175

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WASTE DISCHARGE LICENCE

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INFORMATION ABOUT THIS WASTE DISCHARGE LICENCE

Licensed Action

This Licence only allows the Licensee to discharge waste waters from a mine lease area to waterway pursuant to s74 of the Water Act and under the conditions set out in this licence.

Definitions of Terms

A section on the definitions of terms used in this licence is located at the end of the licence.

Responsibilities of licensee

Licensees are to adhere to and ensure that employees and contractors are made aware of the conditions of this licence.

Duration of Licence

This Waste Discharge Licence (WDL) will remain in force for a period to **20 February 2010**.

Renewal of Licences

Application for renewal should be made no later than **15 January 2010** if continuation of authorised waste discharge is required.

A WDL is granted for a period not exceeding two (2) years. The Licensee can apply for the licence to be renewed for a period longer than two years. A renewal for longer than 2 years requires the Minister for Natural Resources, Environment & Heritage to be satisfied that it is justified by special circumstances.

Licence renewal requires the submission of the approved application form. Failure to apply for licence renewal within the specified time limit will not be treated as a breach of the terms and condition of this licence. However continuing to discharge waste without a licence is an offence under the *Water Act*.

The application form for a WDL and more information about the application process is available on the Department of Natural Resources, Environment, the Arts and Sport's (NRETAS) website (<http://www.nt.gov.au/nreta/environment/licences/guides.html>)

The following information must be included in the documentation accompanying the Waste Discharge Licence application:

- Risk assessment; and
- Monitoring plans (surface waters, groundwater, ecotoxicology and biological where relevant).

Public Register

All granted Licences will be placed on the NRETAS public register and freely available for public viewing and copying from the NRETAS website.



WASTE DISCHARGE LICENCE

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Environmental Commitment

Redbank Copper Limited (Redbank) and NRETAS have identified the following opportunities and actions for Redbank to minimise its environmental impact:

Redbank will:

- develop a surface water monitoring plan with the objective of characterising the nature and extent of off site migration of contaminants from the Mine lease area and submit to NRETAS for approval by 20 February 2010;
- develop options for wastewater treatment and report on its findings to NRETAS by 20 February 2010
- investigate the potential for developing functional wetland systems to assist in the management of waste water migrating off the site;
- will install a telemetric monitoring system by 30 October 2010 if a WDL is expected to be required for the 2010/2011 wet season; and
- undertake to investigate improved methodology for in-situ assessment of contaminants in surface waters e.g diffusion gradient in thin-films (DGT) or other suitable micro filtration laboratory techniques for assessing dissolved metal concentrations free of colloidal and non-bioavailable metal fractions and provide a report on its finding to NRETAS by 20 February 2010.

NRETAS will:

- provide input where appropriate into the development of wastewater reuse, recycling and minimisation schemes; and
- provide guidance principles where relevant to assist the above.

The signatures below confirm Redbank's public commitment to improve environmental performance and NRETAS's acknowledgment of that public commitment.

.....

Bruce Morrin
Managing Director
Redbank Copper Ltd

Date:

.....

Matt Darcey
A/Executive Director
Environment, Heritage and the Arts
Division, NRETAS

Date:



WASTE DISCHARGE LICENCE

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Licence Number: 175

This licence is issued to:

Name of Licensee: Redbank Copper Limited
Address of Licensee: Level 1
143 Hay St
Subiaco, Western Australia 6008

subject to the conditions that follow:

CONDITIONS

ADMINISTRATIVE CONDITIONS

A.1 Obligations to comply

A1.1 The holder of this licence must not contravene or fail to comply with the conditions of this licence.

A.2 What this licence authorises and regulates

A2.1 This licence authorises the discharge of waste waters off the premises/operation listed in A.3 to a water body as detailed in P.1.

A.3 Operation to which this licence applies

A.3.1 This licence applies to the following operation:

Redbank Copper Limited, Savannah Way, Northern Territory within the Mineral Lease Northern (MLN) numbers: MLN631, MLN 632, MLN 633, MLN 1108.

A.4 Documents to Apply

A.4.1 The following documentation prepared by EcOz Environmental Services apply to this licence:

- *Redbank Mines Ltd Monitoring Plan and Supporting Information* 31 August 2009 (noting that the monitoring plan is to be finalised by 20 February 2009)
- *Redbank Mine Water Management Plan* 21 July 2009
- *Further Information for Redbank Mine WDL Application* dated 15 September 2009



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This licence shall be read in conjunction with the above documents, as amended from time to time, however should any inconsistency exist between these documents and the Licence, this Licence prevails.

- A.4.1 These plans must be implemented in full unless agreed with NRETAS. Revised versions must be provided to the Executive Director as they become available.

A.5 Change of Contact Details

- A.5.1 The Controller of Water Resources (or delegate) must be notified within 24 hours of all changes to the name, telephone number and/or pager contact details of the person who can respond to an incident relating to the licensed action. Details are to be provided to:

Executive Director, Environment, Heritage and the Arts
Department of Natural Resources, Environment, the Arts and Sport
PO Box 496, Palmerston NT 0831

ph: 08 892 44135
fax: 08 892 44053

or alternatively email: Licencing.nretas@gov.au

A.6 Operational Changes

- A.6.1 The Licensee must not, without the prior approval of the Controller (or delegate), alter or change any of the following:
- i) the components or treatment process of the Licensed Action(s)/Activity(s);
 - ii) the nature or quantity of materials dealt with or used or produced in the operation of the Licensed Action(s)/Activity(s); and
 - iii) the construction, installation, alteration or removal of any structure or equipment used in the course of the operation of the Licensed Actions(s)/Activity(s) including the location of monitoring points.

A.7 Complaints Recording

- A.7.1 The licensee must keep a legible record of each complaint made to the licensee or any employee or agent of the licensee in relation to the Licensed Action(s)/Activity(s).
- A.7.2 The record must include details of the following:
- a) the date and time of the complaint;
 - b) the method by which the complaint was made;
 - c) all personal details of the complainant which were provided by the complainant or, if no such details were provided, a note to that effect;



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- d) the nature of the complaint ('odours', 'water pollution', 'aesthetic' and other);
- e) the action taken by the licensee in relation to the complaint, including all follow-up contact with the complainant; and
- f) if no action was taken by the licensee, the reasons why no action was taken.

A.7.3 The record of a complaint must be kept for at least 1 year after the complaint is made, and must be included in the Annual Licence Performance Report (see Recording and Reporting Conditions)

The record of complaints must be provided on request to any officer authorised by the Controller of Water Resources on proof of authorisation.

A.8 Change of Ownership or Cessation of Operations

A.8.1 The Licensee must notify the Controller of Water Resources or delegate within 1 week of changes to ownership or cessation of operations at the licensed facility.

A.9 Development of a Communication Plan

A.9.1 The Licensee must develop by 20 February 2010 an appropriate communication plan about the discharge activity which includes a strategy for communicating with members of the public who are likely to have a real interest in or be affected by the discharge. The communication plan is to be developed by a suitable qualified person with demonstrated experience in communications.

PERMITTED DISCHARGES TO WATER AND LIMIT CONDITIONS

P.1 The Licensee may only discharge waste waters from the Redbank Sandy Flat Mine to Hanrahans Creek at the point (WPT Zone 53K 790834, 8096624) marked by the number 2 on Map 1 titled *Proposed Waste Water Discharge location at Sandy Flat Mine*. This point is referred to in Table 1 of this Licence as Hanrahans Creek (HC).

This position is further identified by the red dot in Map 2 *Surface Water Sampling Locations at Redbank Copper Mine* and approximately coincides with the boundary of MLN number 632 which receives surface waters from MLN 631, 633, 636 and 1108.



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P.2 Discharge Points

Subject to this Licence, the Licensee may only discharge waste water at the authorised discharge points specified in Table 1.

Table 1. Authorised Discharge Points		
Authorised Discharge Point	Description	Location
HC	Confluence of Hanrahans and Unnamed creek as marked by red dot on map Attachment 2	Zone 53K 790834 8096624

P.3 Qualitative Discharge Limits

P.3.1 Waste water discharged from authorised discharge point HC must not:

- contain any visible floating oil, grease, scum or litter or other objectionable floating matter;
- cause odours which would adversely affect the use of the surrounding waters;
- prove a barrier to the migration of fish or other aquatic organisms;
- cause mortality of fish or other aquatic organisms; or
- cause fish, other aquatic organisms or any edible products to be unacceptable for human consumption as determined by Territory health standards, and any standard in force from time to time, applying to the sale for human consumption of such products for human consumption in the Territory, interstate or overseas.

P.4 Concentration Discharge Limits

P.4.1 Waste water must only be discharged at point HC when it complies with the water quality limits specified in Table 2.

Table 2 Limits for discharged waste water		
Water quality indicator for waste water at the discharge point	Compliance criteria	Discharge and Monitoring point
pH	6.5 - 8.0 pH units	HC



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MONITORING AND SAMPLING CONDITIONS

M.1 Sampling Points

- M.1.2 The points referred to in Table 3 and shown in map Attachment 2 are identified in this licence for the purpose of monitoring and/or sampling.
- M.1.3 The licensee must install, maintain and provide appropriate identification signage at all sampling points required by this Licence so that they are easily accessible at all times to site personnel and officers authorised by the Controller of Water Resources.

Table 3. Sampling/monitoring Points		
Sampling Point	Description	Location
ID No./Ref	Name Identified on attached map 2 titled Surface water sample locations at Redbank Copper mine	GPS coordinates
Monitoring point 2	Sample point 6	Zone 53K 789814 8095914
Monitoring point 3	Sample point 9	Zone 53K 788585 8093243
Monitoring point 4	Sample point 12	Zone 53K 797492 8087425
Monitoring point 5	Sample point 13	Zone 53K 811786 8094051
Monitoring point 6	Sample point beyond point 13	NRETAS to be notified of this location prior to discharge.

M.2 Surface Water Sampling and Monitoring Programme

- M.2.1 The licensee must undertake surface water sampling at all the points outlined in Tables 1 and 3 and undertake the analysis for all parameters and at the frequency listed in Table 4.

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Table 4: Parameters to be tested, analytical methodology and sampling frequency		
Water quality indicator for waste water at the discharge point	Analytical method	Sampling Frequency
Copper*	Hach – DR/890 Portable Colorimeter	Daily (treated water prior to release)
	Laboratory analysis	Fortnightly
Aluminium*	Laboratory analysis	Fortnightly
pH	Hannah pH Probe	Daily
Electrical conductivity	Hannah EC Probe	Daily
Unfiltered Alkalinity (mg CaCO ₃ /L)	Suitable field sampling equipment to be purchased by 1 December 2009 and implemented	Daily
Turbidity	Laboratory analysis	Fortnightly
Total and filtered Iron*	Laboratory analysis	Fortnightly
HCO ₃	Laboratory analysis	Fortnightly
Sulfate	Laboratory analysis	Fortnightly
Sulfide expressed as un-ionised H ₂ S	Laboratory analysis	Fortnightly

*The chemical analysis of metal and metalloid must include an assessment of both total and filtered components.

- M.2.2 The Licensee must provide the laboratory certificates of the results of the discharges to NRETAS on a fortnightly basis.
- M.2.3 If the pH limits varies by 1 standard deviation from the normal daily average over three consecutive days then the licensee must inform NRETAS of the exceedences within 24 hours. The Licensee must also provide a brief report on the cause of the exceedences and develop a course of action agreeable to NRETAS for the continuation of discharge.
- M.2.4 The Licensee will meet fortnightly with NRETAS to discuss the results and determine appropriate actions to manage potential impacts.
- M.2.6 NRETAS will be informed in writing within 7 days of the Licensee becoming aware of information or data indicating a material change in conditions at the Redbank mine lease area or in its surrounding environment which could affect compliance with the discharge requirements of the WDL or result in harm to the environment.
- M.2.7 NRETAS will be informed in writing within 7 days of the Licensee becoming aware of any failure, either by the Licensee or any other person, to comply with any component or aspect of the discharge conditions.



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M.3 Groundwater Monitoring Programme

M.3.1 The Licensee must develop a groundwater monitoring plan with the objective of assessing the nature and extent of off site-migration from the Redbank Copper Mine site and submit to NRETAS approval by 31 December 2009. The groundwater monitoring plan must be consistent with section 2 (*Assessing groundwater contamination*) of the *NSW Guidelines for the Assessment and Management of Groundwater Contamination* December 2007 published by the NSW Department of Environment and Conservation.

The plan must be sufficient to enable the development of a conceptual hydrogeological model to provide an understanding of the groundwater regime and the risk posed by the off-site migration of contamination from the site. The plan must include as a minimum:

- details of the soil stratigraphy using recognised soil classification methods e.g. Australian Standards 1726 or equivalent ;
- site boundary borehole logs showing stratigraphy;
- details of the different water bearing zones (e.g. perched, confined and unconfined aquifers) and their characteristics in terms of permeability and yield and identify any connectivity between the water bearing zones;
- detailed description of the location, design and construction of boundary wells,
- depth to groundwater table;
- direction and rate of groundwater flow
- background water quality
- preferential flow paths
- sampling and analysis plan and sampling methodology
- field and laboratory quality assurance and control
- assessment criteria
- identification of potential receptors; and
- details of how data will be interpreted to enable development of the conceptual hydrogeological model complete with a summary of any data gaps.

M.3.2 Bore construction, use of monitoring bores and groundwater sampling must be developed with consideration of guidance outlined in the following documents:

- Minimum construction requirements for water bores in Australia, Edition 2 revised September 2003, Land and Water Biodiversity Committee Commonwealth of Australia, www.nrme.qld.gov.au; and
- Groundwater sampling guidelines publication 669:
<http://epanote2.epa.vic.gov>

M.4 Ecotoxicology Programme



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- M.4.1 The Licensee must develop an ecotoxicological plan for assessing the effluent leaving the site and submit to NRETAS for approval by 31 January 2010. The objective of the effluent toxicity testing shall be to assist with the derivation of dilution rates for discharge into the receiving environment which will be applied at an agreed monitoring point so as to ensure that the dilution rate is consistent with an agreed level of ecosystem protection (to be set in agreement between Redbank and NRETAS and be consistent with the ANZECC 2000 guidelines).
- M.4.2 The Licensee will undertake to develop site specific baseline trigger values for pH, electrical conductivity, sulphate and copper by 20 February 2010. Statistical analysis comparisons of downstream and upstream water chemistry must also be considered in the development of these trigger values.
- M.4.2 The plan must be developed by appropriately qualified persons with demonstrated experience in ecotoxicology

M.5 Biological Monitoring Programme

- M.5.1 The Licensee will undertake an annual post wet season macroinvertebrate sampling prior to cessation of flow in Hanrahans and Redbank Creeks to assess the ongoing effects on downstream macroinvertebrate assemblages due to mining practices. The methodology for the programme must be based on the AusRivAS protocol.

RECORDING AND REPORTING CONDITIONS

R.1 Monitoring

- R.1.1 All records required to be kept by this licence must be:
- in a legible format; and
 - provided on request to any officer authorised by the Controller of Water Resources (or Delegate) on proof of authorisation; or to enable review performance/monitoring with water quality objectives, or any other reasonable matter that the Controller or Delegate considers that requires review.
- R.1.2 The following records must be kept in respect of each sample required to be collected by this licence:
- the date(s) on which the sample was taken;
 - the time(s) at which the sample was collected;
 - the point(s) at which the sample was taken;
 - the name of the person who collected the sample; and
 - the chain of custody forms relating to the sample(s);
 - the measured or estimated total daily flow volume of the waste water leaving the site; and
 - the field measurements and/or analytical results for the sample.



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R.2 Incidents

- R.2.1 The Licensee must notify NRETAS by telephone via the Pollution Hot Line (1800 06 4567) within 24 hours of field measurements indicating non-compliance with the limit or range specified in any Table in this Licence.
- R.2.2 The Licensee must ensure that the Controller of Water Resources (or delegate) is notified in writing within one month of becoming aware of each incident of actual or anticipated non-compliance with the Administrative, Monitoring & Sampling (other than as described in the two immediately preceding conditions) and Recording & Reporting conditions of this Licence.
- R.2.3 The Licensee must comply with all directions issued by the Controller of Water Resources (or delegate) in response to notifications given of non-compliance with the conditions of this Licence.
- R.2.4 The Licensee must ensure that a legible record is kept of all actual or anticipated incidents of non-compliance with the conditions of this Licence. The record must include details of the following:
- the date, time and circumstance(s) under which the incident became known to the Licensee or an employee or agent of the Licensee;
 - the known or estimated dates and times at which the incident commenced and ended ;
 - all personal details of the person initially reporting the incident;
 - the specific Licence condition(s) not complied with;
 - all directions issued by the Controller of Water Resources (or delegate) in response to notifications given of non-compliance with the conditions of this Licence.
 - the action taken by or on behalf of the Licensee in relation to the incident; and
 - if no action was taken by the Licensee, the reasons why no action was taken.

R.3 Risk assessment summary report

- R.3.1 The Licensee must provide NRETAS by 20 February 2010 a risk assessment report compiled from a detailed **analysis and interpretation** of monitoring results.
- R.3.2 The report must contain, but is not necessarily limited to, the following:
- A diagrammatic representation of the activity with particular focus on the location of the discharge point and monitoring points, inflow, overflow and outflow;
 - The results of the discharge and monitoring programmes required in this Licence and a progress report on the environmental commitments;



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- c) A summary report on the fate and transport of the contamination leaving the site i.e.
- the type, nature, quantity and concentration of contaminants migrating off the site and the transport mechanism by which the contaminants are transported (e.g. during flood or via sedimentation, water, groundwater or air);
 - whether the substances are toxic, persistent or bioaccumulative;
 - the fate of the contaminants in the receiving environment;
 - the potential impacts on ecosystem health;
 - whether there are any rare and endangered species present in the receiving environment that could be affected by the contamination;
 - recreational use of the receiving waters;
 - other potential public health exposure areas and information on any other sources of pollution;
 - whether there are exposure pathways available to the substances; and
 - an analysis of any gaps (i.e. a gap analysis) identified in the assessment, monitoring and reporting on the quality of the surface and groundwaters leaving the site.

From the above information the Licensee must identify priority actions to reduce the risk level and develop a remedial options report. This should include:

- outlining remedial action options to address overflows with the highest risk;
- detailing the preferred remedial actions; and
- prioritising the remedial actions within timeframes established in discussion with NRETAS.

5 ENVIRONMENT MANAGEMENT SYSTEMS

- 5.1 The Licensee has developed a management plan titled *Redbank Mine Environmental Management Plan, Construction and Operation*. ("the EMP") consistent with ISO 14001 management requirements.

The licensee will continue to operate and manage its premises in accordance with this EMP and regular updates and specific management actions will be reported through the quarterly water management plan reporting.

End of Licence Conditions

This Licence is not valid unless signed below:

.....
Matt Darcey
Executive Director
Environment Heritage and the Arts, NRETAS
Delegate for the Controller of Water Resources

Dated the day of2009



WASTE DISCHARGE LICENCE

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IMPORTANT NOTICE

General obligations of the licensee, separate to the requirements of this licence, are set out the section 16 and 73 of the Water Act (the Act). In summary, this means that any waste discharge to water will require a Waste Discharge Licence (WDL) issued by NRETAS under Part 7 of the Water Act. The Water Act states that a person shall not cause, either directly or indirectly, waste to come into contact with water, or water to be polluted, unless authorised to do so under a licence or any other law in force in the Territory

The licence remains valid until the date specified in the licence. The licensee must comply with the conditions of this licence. Failure to do so is an offence and may incur penalties and/or other statutory actions.

RECOMMENDATIONS

It is strongly recommended that application for renewal should be made no later than 90 days before the licence expiry date, if continuation of authorised waste discharge is required.

Monitoring plans should include contingency measures should the licence activities cease or change.



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DEFINITIONS

'Act' means the Water Act

'Activity' means the current or proposed activity and includes a current or proposed process, project venture or business.

'Authorised Officer' is a person appointed under section 21 of the Act.

'BTEX' means the consortium of aromatic hydrocarbons consisting of benzene, toluene, ethyl benzene and a mixture of xylenes.

'CE' or 'Chief Executive' for the purpose of correspondence means:
Chief Executive

'Delegate' is a person who has been delegated powers by the Minister or Controller of Water by an instrument in writing.

'Department of Natural Resources, Environment, the Arts and Sport'

PO Box 496

Telephone: (08) 8924 4139

PALMERSTON NT 0831

Facsimile: (08) 8924 4053

'Environmental nuisance', 'environmental harm', 'material environmental harm' and 'serious environmental harm' each has the meaning described in section 4 of the Act.

'Executive Director' is the Executive Director, Environment, Heritage and The Arts Division of the Department of Natural Resources, Environment, The Arts and Sport for and on behalf of the Chief Executive Officer as delegated under Section 8 of the Act.

'License' means a licence granted and in force under the Act.

'N.A.T.A' means the National Association of Testing Authorities, Australia.

'NRETAS' means the Department of Natural Resources, Environment, The Arts and Sport (NT) or if dissolved, another NT government department with the responsibility of administering the Waste Management and Pollution Control Act.

'Pollute' has the meaning described in section 4 of the Act.

'Site Manager' is any person who is or was responsible for the environmentally relevant activity for which this Licence is issued and includes the officers, employees, agents and assigns of that person, and may be a body corporate.

'Suitably qualified person/s' means a person having the knowledge, skills and experience to provide advice on the issues impacting the environment. The advice must reflect the current state of knowledge on environmental issues.

'Waste' has the meaning described in section 4 of the Act.



Northern Territory Government

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'Waterway has the meaning described in section 4 of the Act

'Water means water whether or not it contains impurities

**WASTE DISCHARGE LICENCE**

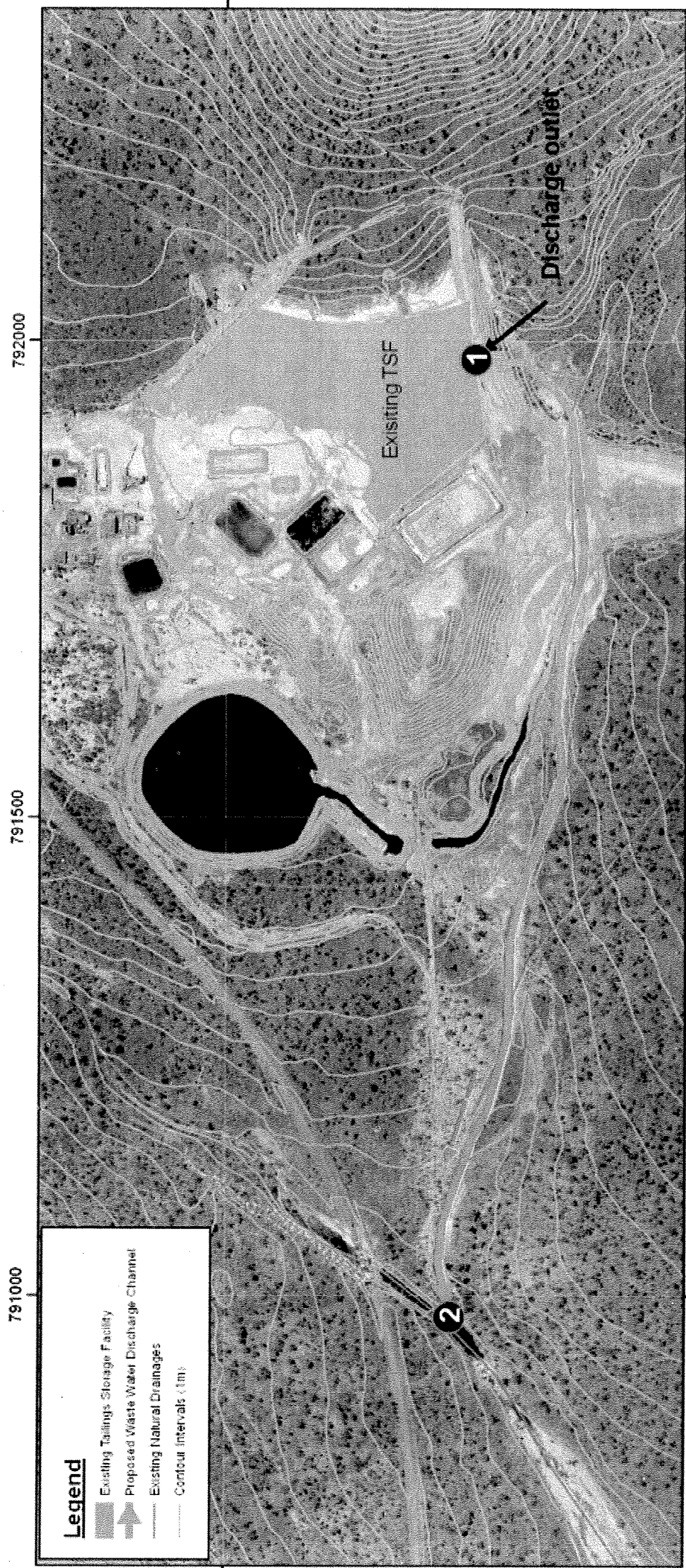
(Pursuant to section 74 of the Water Act)

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Checklist

Checklist Table of Compliance dates		
Parameter	Date(s)	Done and/or Provided
End of Licence period	20 February 2010	
Application for renewal of licence (as near as practicable)	15 January 2010	
Change of contact details (if relevant) (A.5)		
Have all complaints been notified to NRETAS (A.7)		
Change of ownership of operation (if relevant) (A.8)		
Develop Communication plan (A.9)	20 February 2010	
Non-compliance with qualitative discharge conditions (P.2.2)		
Monitoring (M.1.3 to M.5)		
- Notification of sampling point beyond point 13; - Groundwater monitoring plan - Ecotoxicology Plan - Undertake biological monitoring programme	Prior to discharge 31 December 2009 31 January 2010 Prior to cessation of flow.	
Implementation of all conditions (sections P, M and R)		
Incident reporting (R.2)		
Annual report (R.3)		
Risk assessment in accord with ANZECC 2000 or equivalent		
Monitoring plans to be submitted with new licence application		

Proposed Waste Water Discharge Location at Sandy Flat Mine



Client: Redbank Copper Mine Pty Ltd
 Projection: GDA84 (UTM), Zone 53
 Created: Tom Reilly, 15th September 2009
 Prepared for: Waste Discharge Licence
 Image: June 2009



Attachment 2.

