

ENVIRONMENT PROTECTION LICENCE

(Pursuant to section 34 of the *Waste Management and Pollution Control Act*)

Licensee	Northern Cement Limited
Licence Number	EPL177
Registered Business Address	Northern Cement Limited 21 Cnr Roper and Stuart Hwy Highway Mataranka NT 0852
ABN	22 009 593 515
Premises Address	N.T. Portion 03337 plan(s) S 87/181 21 ROPER HWY, MATARANKA
Anniversary Date:	22 September
Commencement Date:	22/09/2017
Expiry Date:	21/09/2022
Scheduled Activity	<p>Collecting, transporting, storing, re-cycling, treating or disposing of a listed waste (as per Table 1) on a commercial or fee for service basis, other than in or for the purpose of a sewage treatment plant.</p> <p>Operating premises, other than a sewage treatment plant, associated with collecting, transporting, storing, re-cycling, treating or disposing of a listed waste (as per Table 1) on a commercial or fee for service basis.</p>
Description	The premises has a concrete bunded tank farm with capacity to store 410,000L of waste oil. Waste oil is recycled for use as fuel to fire two vertical kilns and is disposed of by combustion at operating temperatures of 900-1250°C. Water content in waste

ENVIRONMENT PROTECTION LICENCE 177

oil is decanted to the bunded storage area and is left to evaporate. Excess decant water is released from the bunded area to ground via an oil water separator.

ENVIRONMENT PROTECTION LICENCE 177

Table 1 - Listed Wastes Authorised to be Handled

Listed Waste	Collection	Transport	Storage	Treatment	Recycling	Disposal
Waste mixtures, or waste emulsions, of oil and water or hydrocarbon and water	X	X	✓	X	✓	✓
Waste mineral oils unfit for their original intended use	X	X	✓	X	✓	✓

✓ Activity authorised by this licence

X Activity not authorised by this licence

ENVIRONMENT PROTECTION LICENCE 177

TABLE OF CONTENTS

INFORMATION ABOUT THIS LICENCE	5
RULES FOR INTERPRETING THE CONDITIONS OF THIS LICENCE	7
LICENCE CONDITIONS	8
GENERAL	8
EARLY SURRENDER OF LICENCE	9
OPERATIONAL	9
DISCHARGES AND EMISSIONS	10
MONITORING	11
RECORDING AND REPORTING	12
DEFINITIONS	15

ATTACHMENTS

- 1 Mataranka Lime Plant - Discharge Points

ENVIRONMENT PROTECTION LICENCE 177

INFORMATION ABOUT THIS LICENCE

- This licence does not in any way relieve the licence holder from its obligations to comply with the *Waste Management and Pollution Control Act* (WMPC Act), including the general environmental duty in section 12 of the WMPC Act and the duty to notify of incidents causing or threatening to cause pollution under section 14 of the WMPC Act.

Duration of a licence (section 40, 43 and 45 of the WMPC Act)

- A licence will remain in force until its expiry date or until it is surrendered by the licensee or is suspended or cancelled in accordance with the WMPC Act.
- The licensee must notify the Northern Territory Environment Protection Authority (NT EPA) within 14 days after ceasing to conduct the activity.
- The licensee may, with the approval of the NT EPA, surrender the licence to the NT EPA.

Amendment or Revocation of a licence (section 37 of the WMPC Act)

- The licensee may apply to amend or revoke a condition of this licence.
- A fee applies and the application must be made using the designated form via NT EPA Online.
- The NT EPA may also amend or revoke a condition of this licence as set out in section 38 of the WMPC Act.

Transfer of a licence (section 46 of the WMPC Act)

- The licensee can apply to transfer their licence to another person.

Renewal of a licence (section 40 of the WMPC Act and section 3 of the Regulations)

- The licensee may apply for the renewal of their licence not earlier than 90 days, and not later than 30 days, before their licence expires.
- A fee applies and the application must be made via NT EPA Online.

Public Register

- A copy of environment protection licences and any plans for environmental management, reports, submissions or documents required as a condition of an environment protection licence, will be placed on a register in accordance with section 9 of the WMPC Act.
- A copy of the Annual Return will be placed on the register.
- The NT EPA makes this register freely available from the NT EPA website.

Environment Protection Objectives (Part 4 of the WMPC Act), and Water Quality Standards (section 73 of the *Water Act*)

- An Environment Protection Objective (EPO) is a statutory instrument to establish principles on which:
 - a. environmental quality is to be maintained, enhanced, managed or protected;
 - b. pollution, or environmental harm resulting from pollution, is to be assessed, prevented, reduced, controlled, rectified or cleaned up; and
 - c. effective waste management is to be implemented or evaluated.
- In accordance with section 18 of the WMPC Act a beneficial use, quality standard, criteria or objective declared under section 73 of the *Water Act* and in force is an environment protection objective for the purposes of the WMPC Act.

ENVIRONMENT PROTECTION LICENCE 177

- The following EPOs and Beneficial Use Declarations (BUDs) are relevant to this licence:
 - Katherine Region Groundwater Declared Area (Gazette Reference G22 9 June 1999).

Environmental Interests

- This section highlights sensitivity of the surrounding land use and environment associated with the location of the approved activity.
- Sites of Conservation Significance
- Ramsar Wetland

Cultural Interests

- It is the licensee's responsibility to contact the Aboriginal Areas Protection Authority, appropriate land council or other governing body and ensure that any Authority Certificates required as a result of conducting the licenced activity are obtained and complied with.

ENVIRONMENT PROTECTION LICENCE 177

RULES FOR INTERPRETING THE CONDITIONS OF THIS LICENCE

- Where there is a discrepancy between the conditions of this licence and any plan, standard, guideline or other document referred to in this licence, the conditions of this licence prevail to the extent of the inconsistency.
- Any reference to any standard (Australian or international) in this licence means the relevant parts of the current version of that standard.
- A reference to any guideline or code of practice (or to the relevant parts of any guideline or code of practice) in this licence means the current version of the guideline or code of practice.
- Under section 39 of the WMPC Act, any contravention of or failure to comply with this licence by the licensee may be an offence.
- In determining whether the licensee has committed an offence, the licensee may be liable for the conduct of its directors, employees or agents.
- The licensee should ensure that each of its directors, employees, contractors or agents are aware of, and comply with, this licence.
- In this licence, unless the contrary intention appears, words that are defined in the WMPC Act are intended to have the meaning given to them in that Act.

ENVIRONMENT PROTECTION LICENCE 177

LICENCE CONDITIONS

GENERAL

- 1 The licensee must ensure the contact details recorded in NT EPA Online for this licence are correct at all times.
- 2 The licensee must at all times have a 24 hour emergency contact.
- 3 The licensee must pay the annual fee calculated in accordance with the method prescribed in the Regulations within 50 business days of the anniversary of the commencement date of this licence, for each year or part of a year that this licence is in force.
- 4 The licensee must cause clear and legible signage, in English, to be displayed in a prominent location at each public entrance to the premises that includes the following details:
 - 4.1 environment protection licence number issued under the WMPC Act; and
 - 4.2 24 hour emergency contact details.
- 5 The licensee must cause a copy of this licence to be available for inspection by any person, in hard copy form, at the premises.
- 6 The licensee must provide to the NT EPA within 10 business days of a request, a copy of any document, monitoring data or other information in relation to the activity, in the format requested by the NT EPA.
- 7 All notices, reports, documents or other correspondence required to be provided as a condition of this licence, unless otherwise specified as a condition of this licence, must be provided in electronic form by uploading the document via NT EPA Online (or by emailing waste@nt.gov.au).

8 **Table 2. Documents Relevant to the Licensed Activity**

Document ID	Document Title
1.	NCL Mataranka Environmental Management Plan 2015-2018 Rev3

- 9 Within 10 business days of any amendment being made to a document listed in Table 2 the licensee must provide the amended document to the NT EPA, along with:
 - 9.1 a tabulated summary of the amendment(s) with document references;
 - 9.2 reasons for the amendment(s); and
 - 9.3 an assessment of environmental risk associated with the amendment(s).
- 10 The NT EPA may require the licensee to revise or amend and resubmit any amended document. Where the NT EPA requires a document to be resubmitted, the licensee must submit it to the NT EPA by the date specified by the NT EPA.
- 11 The licensee must maintain a Complaint Log for all complaints received by the licensee in relation to the activity.
- 12 The licensee must ensure that the Complaint Log includes, for each complaint received by the licensee, the following information:
 - 12.1 the person to whom the complaint was made;
 - 12.2 the person responsible for managing the complaint;

ENVIRONMENT PROTECTION LICENCE 177

- 12.3 the date and time the complaint was reported;
 - 12.4 the date and time of the event(s) that led to the complaint;
 - 12.5 the contact details of the complainant if known, or where no details are provided a note to that effect;
 - 12.6 the nature of the complaint;
 - 12.7 the nature of event(s) giving rise to the complaint;
 - 12.8 prevailing weather conditions at the time (where relevant to the complaint);
 - 12.9 the action taken in relation to the complaint, including any follow-up contact with the complainant; and
 - 12.10 if no action was taken, why no action was taken.
- 13 The licensee must implement, maintain and follow an Emergency Response Plan that addresses procedures for responding to emergencies associated with the activity that may cause environmental harm.

EARLY SURRENDER OF LICENCE

- 14 Any reports, records or other information required or able to be provided by the licensee under this licence must be submitted to the NT EPA prior to the licensee surrendering the licence. If the date on which a report, record or other information is required falls after the date the licensee requests to surrender this licensee, the licensee must provide the report, record or information as far as possible using data available to the licensee up to and including the date the request to surrender the licence is made.

OPERATIONAL

- 15 The licensee must not collect, transport, store, recycle, treat or dispose of listed waste other than the listed waste specified in Table 1.
- 16 The licensee must ensure any plant and equipment used by the licensee in conducting the activity:
- 16.1 is reasonably fit for the purpose and use to which it is put;
 - 16.2 is maintained;
 - 16.3 is operated by a person trained to use the plant and equipment; and
 - 16.4 is operated by, or operated by a person accompanied by, a person trained to handle, store or dispose of listed waste in connection with the activity.
- 17 The licensee must ensure that wastewater generated from washing plant and equipment associated with the activity does not cause pollution.
- 18 The licensee must ensure that all materials that are likely to cause environmental harm are handled and stored in areas with a containment system in accordance with the relevant Australian Standard. Where no relevant Australian Standard exists, the containment system must be sized to contain 110% of the volume of the largest container within the area.
- 19 The licensee must not store more than the volume of listed waste specified in Table 3.

ENVIRONMENT PROTECTION LICENCE 177

Table 3. Storage Capacity

Storage Type	Capacity
Bulk Oil Tanks	410,000 L

- 20 The licensee must ensure that all listed waste being transported to the premises is transported by a person:
- 20.1 licenced under section 30 of the WMPC Act to transport the listed waste.
- 20.2 that is delivering listed waste for recycling purposes on a non-commercial basis, and do not exceed a volume of 1000 litres for each non-commercial delivery of listed waste.

DISCHARGES AND EMISSIONS

- 21 The licensee must ensure there is no migration or overflow of a contaminant or waste, which causes or may cause environmental harm, beyond the boundary of the land on which the premises are located. (For the avoidance of doubt, this condition is not intended to authorise the discharge of a contaminant or waste to any land or water which discharge has not been specifically authorised by another condition of this licence.)
- 22 The licensee must not allow a contaminant or waste, which causes or may cause environmental harm, to enter water.
- 23 The licensee must ensure that stormwater does not come into contact with a contaminant or waste, which causes or may cause environmental harm.

Discharges to land

For the purposes of condition 24, the word "land" does not include water on, above, or under land.

- 24 The licensee must ensure that discharges to land from the oily water separator servicing the bunded waste oil tank farm do not:
- 24.1 contain any floating debris, oil, grease, petroleum hydrocarbon sheen, scum, litter or other objectionable matter;
- 24.2 cause or generate odours that may be considered environmental nuisance;
- 24.3 cause surface ponding or run off of wastewater;
- 24.4 pollute groundwater or water within a waterway;
- 24.5 cause erosion or degradation of soil; or
- 24.6 cause adverse impacts on plants or animals.

Emissions to air

- 25 This licence authorises emissions to air from the authorised emission point(s) identified in Table 4 and as otherwise allowed in accordance with the conditions of this licence.

Table 4. Authorised Emission to Air

Name	Latitude	Longitude	Description
Discharge Point 1	-14.97969	133.08189	Lime Kiln Emission Point

ENVIRONMENT PROTECTION LICENCE 177

- 26 The licensee must ensure that the emission from all emission events at the authorised emission point does not exceed the limits specified in Table 5.

Table 5. Air Emission Limits

Substance	Chemical Element	¹ Emission Limit
Solid particles (Total)		400 mg/m ³
Nitrogen dioxide	(NO ₂) or nitric oxide (NO) or both, as NO ₂ equivalent	2,500 mg/m ³
Hydrogen chloride	HC	400 mg/m ³
Type 1 substances (in aggregate)	elements antimony (Sb), arsenic (As), cadmium (Cd), lead (Pb) or mercury (Hg) or any compound containing one or more of those elements.	20 mg/m ³
Smoke		Ringelmann 3 or 60% opacity

1. Standard of Concentration for Group 1 adopted from *Protection of the Environment Operations (Clean Air) Regulation 2010 - New South Wales - Schedule 2 Standards of concentration for scheduled premises: afterburners, flares and vapour recovery units.*

- 27 The licensee must operate and maintain pollution control equipment to minimise contaminants or waste in emissions to air.

MONITORING

- 28 The licensee must ensure that all samples and field environmental data are representative of normal operating conditions at the time of sampling, and comply with the approved sampling method specified in condition 32.
- 29 The licensee must ensure that all samples and field environmental data are collected in accordance with recognised Australian Standards and guidelines (such as AS/NZS 5667, ANZECC/ARMCANZ)
- 30 The licensee must ensure that all monitoring samples are analysed at a laboratory with current NATA accreditation or equivalent, for the parameters to be measured.
- 31 The licensee must implement, maintain and follow the Air Monitoring Plan in accordance with Table 6 on a biennial basis from the commencement date of this license.
- 32 The licensee must assess the concentration of contaminants specified in the Air Monitoring Plan in accordance with the *Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales*, except as otherwise authorised by the NT EPA.

ENVIRONMENT PROTECTION LICENCE 177

Table 6. Air Monitoring Plan

Substance	Chemical Element	Monitoring Frequency
Solid particles (Total)		To be undertaken in 2020 and 2022
Nitrogen dioxide	(NO ₂) or nitric oxide (NO) or both, as NO ₂ equivalent	
Hydrogen chloride	HC	
Type 1 substances (in aggregate)	elements antimony (Sb), arsenic (As), cadmium (Cd), lead (Pb) or mercury (Hg) or any compound containing one or more of those elements.	
Smoke		
Volatile organic compounds, as n-propane equivalent	(VOCs)	
Type 2 substances (in aggregate)	elements beryllium (Be), chromium (Cr), cobalt (Co), manganese (Mn), nickel (Ni), selenium (Se), tin (Sn) or vanadium (V) or any compound containing one or more of those elements.	
Dioxins or furans		

- 33 The licensee must ensure any samples collected in accordance with the Air Monitoring Plan or in connection with the activity or this licence, are obtained by, or under the supervision of a qualified sampler.
- 34 The licensee must ensure that, for each sample collected in accordance with the Air Monitoring Plan or the activity the following information must be recorded and retained:
- 34.1 the date on which the sample was collected;
 - 34.2 the time at which the sample was collected;
 - 34.3 the location at which the sample was collected;
 - 34.4 the name of the person who collected the sample;
 - 34.5 the chain of custody forms relating to the sample;
 - 34.6 the field measurements (if any) and analytical results (if any) relating to the sample; and
 - 34.7 laboratory quality assurance and quality control documentation.

RECORDING AND REPORTING

- 35 The licensee must keep and maintain records relating to the activity undertaken and the listed waste handled by the licensee in each successive 12 month period following the commencement of this licence and include:
- 35.1 the date of collection;
 - 35.2 the source of the listed waste;

ENVIRONMENT PROTECTION LICENCE 177

- 35.3 the name of the transport company, or non-commercial operator;
 - 35.4 the vehicle registration;
 - 35.5 a description of the listed waste; and
 - 35.6 the quantity of the listed waste.
- 36 The licensee must retain records relating to waste, including listed waste, as required by the conditions of this licence, for a period of 2 years after the end of the 12 month period to which the record relates.
- 37 The licensee must keep records of all non-compliances with this licence. These records must be adequate to enable the licensee to comply with the non-compliance notification conditions of this licence.
- 38 The licensee must notify the NT EPA of any non-compliance with this licence by completing the Non-Compliance Notification via NT EPA Online (or by emailing waste@nt.gov.au), as soon as practicable after (and in any case within 24 hours after) first becoming aware of the non-compliance.
- 39 The licensee must submit a completed Annual Return via NT EPA Online within 10 business days after each anniversary date of this licence, which report relates to the preceding 12 month period.
- 40 The licensee must complete and provide to the NT EPA a Monitoring Report, as prescribed by this licence, within 10 business days after the second (2020) and fourth (2022) anniversary date of this licence.
- 41 The licensee must ensure that each Monitoring Report:
- 41.1 is prepared in accordance with the requirements of the NT EPA *'Guideline for Reporting on Environmental Monitoring'* and the *'Approved Methods for the Sampling and Analysis of Air Polutants in New South Wales'* Section 4. Analytical report - Stationary Source Monitoring;
 - 41.2 includes a tabulation of all monitoring data required as a condition of this licence; and
 - 41.3 includes an assessment of environmental impact from the activity.
- 42 The NT EPA may require the licensee to revise or amend and resubmit any Monitoring Report. Where the NT EPA requires the Monitoring Report to be resubmitted, the licensee must submit it to the NT EPA by the date specified by the NT EPA.

ENVIRONMENT PROTECTION LICENCE 177

END OF LICENCE CONDITIONS

This licence is not valid unless signed below:



Leonie Cooper
Director Environment Authorisations
Delegate of the Northern Territory
Environment Protection Authority
Dated: 30/10/2018

ENVIRONMENT PROTECTION LICENCE 177

DEFINITIONS

All terms in the Licence which are defined in the *Waste Management and Pollution Control Act* have the meaning given in that Act unless otherwise or further defined in this section.

DEFINITION	In this licence, unless a contrary intention appears:
24 hour emergency contact	the phone number of a person who can be contacted at any time and be capable of responding to and providing information about any incident associated with the activity.
Activity	the Scheduled activity as described on the covering page of this licence.
Air	includes any layer of the atmosphere.
Annual fee	yearly fee payable in respect of the activity as specified in the WMPC Act and the Regulations.
Annual Return	an NT EPA prescribed format for demonstrating and reporting compliance with the conditions of this licence and providing information on waste volumes for the preceding 12 month period.
ANZECC/ARMCANZ	Australian and New Zealand Environment and Conservation Council and Agriculture and Resource Management Council of Australia and New Zealand, 2000: National Water Quality Management Strategy: Australian Guidelines for Water Quality Monitoring and Reporting.
Business days	a day not Saturday, Sunday or a public holiday, in the Northern Territory.
Complaint Log	a register of complaints to be maintained by the Licensee that records the details of each complaint received in relation to the activity.
Contact details	includes the 24 hour emergency contact, and name, position title and phone number of a representative of the licensee who can be contacted about the licence and activity.
Contaminant	a solid, liquid or gas or any combination of such substances and includes: (a) noise, odour, heat and electromagnetic radiation; (b) a prescribed substance or prescribed class of substances; and (c) a substance having a prescribed property or prescribed class of properties.
Discharges	allow a liquid, gas or other substance to flow out from where it has been confined.
Emission	as defined in <i>NSW Protection of the Environment Operations (Clean Air) Regulation 2010</i>
Emergency Response Plan	a written plan documenting the licensee's procedures for responding to emergencies caused by, resulting from or associated with the activity and that may cause environmental harm.
Environmental audit	has the meaning given in section 47 of the WMPC Act.
Environmental harm	(a) any harm to or adverse effect on the environment; or (b) any potential harm (including the risk of harm and future harm) to or potential adverse effect on the environment, of any degree or duration and includes environmental nuisance.
Environmental nuisance	means:

ENVIRONMENT PROTECTION LICENCE 177

	(a) an adverse effect on the amenity of an area that: (i) is caused by noise, smoke, dust, fumes or odour; and (ii) unreasonably interferes with or is likely to unreasonably interfere with the enjoyment of the area by persons who occupy a place within the area or are otherwise lawfully in the area; or (b) an unsightly or offensive condition caused by contaminants or waste.
Incident	includes: (a) an accident, emergency or malfunction; and (b) a deliberate action, whether or not that action was taken by the person conducting the activity in the course of which the incident occurred.
Land	includes water and air on, above or under land.
Leachate	any liquid produced by the action of water percolating through waste, and that contains contaminants.
Listed waste	a waste included under Schedule 2 of the Regulations.
Maintain	kept in a manner that it does not present or cause a risk of environmental harm or a hazard to persons or property or, for the purposes of documents including plans, a process of reviewing and amending documentation to ensure it is relevant.
Material environmental harm	environmental harm that: (a) is not trivial or negligible in nature; (b) consists of an environmental nuisance of a high impact or on a wide scale; (c) results, or is likely to result, in not more than \$50,000 or the prescribed amount (whichever is greater) being spent in taking appropriate action to prevent or minimise the environmental harm or rehabilitate the environment; or (d) results in actual or potential loss or damage to the value of not more than \$50,000 or the prescribed amount (whichever is greater).
NATA	National Association of Testing Authorities, Australia.
Non-compliance	failure or refusal to comply, whether by act or omission, with obligations or requirements and includes any exceedance of a licence limit.
Non-compliance notification	an NT EPA prescribed format for notifying the NT EPA of a non-compliance.
NT EPA Online	online system for Environment Protection Licence (EPL), Environment Protection Approval (EPA) and Waste Discharge Licence (WDL) lodgement and maintenance.
Plant and equipment	all material items used in association with the activity, including (but not limited to) storage vessels and containers, pipe work and hosing, vehicles (including vessels), tools, and measuring equipment.
Point source discharge	means any discernible, confined or discrete conveyance from which contaminants or waste are or may be discharged.
Pollute	(a) emit, discharge, deposit, or disturb, directly or indirectly, a contaminant or waste; or (b) cause, permit, or fail to prevent, directly or indirectly, the emission, discharge, deposition, disturbance or escape of a contaminant or waste.
Pollution	(a) a contaminant or waste that is emitted, discharged, deposited or disturbed or that escapes; or

ENVIRONMENT PROTECTION LICENCE 177

(b) a contaminant or waste, effect or phenomenon, that is present in the environment as a consequence of an emission, discharge, deposition, escape or disturbance or a contaminant or waste.

Premises	the premises identified in this licence which includes equipment, plant and structures, whether stationary or portable, and the land on which premises are situated.
Public entrance	access to the premises that is utilised by the public.
Qualified person	a person registered under Section 68 of the WMPC Act.
Qualified sampler	a person who has training and experience in obtaining samples from the relevant environmental medium.
Regulations	<i>Waste Management and Pollution Control (Administration) Regulations.</i>
Serious environmental harm	environmental harm that is more serious than material environmental harm and includes environmental harm that: (a) is irreversible or otherwise of a high impact or on a wide scale; (b) damages an aspect of the environment that is of a high conservation value, high cultural value or high community value or is of special significance; (c) results or is likely to result in more than \$50,000 or the prescribed amount (whichever is greater) being spent in taking appropriate action to prevent or minimise the environmental harm or rehabilitate the environment; or (d) results in actual or potential loss or damage to the value of more than \$50,000 or the prescribed amount (whichever is greater).
Solid inert waste	solid waste that has no active chemical or biological properties. These wastes do not undergo environmentally significant physical, chemical or biological transformation.
Stormwater	water flowing over ground surfaces, in natural streams and drains as a direct result of rainfall over a catchment and consists primarily of rainfall runoff.
Waste	(a) a solid, a liquid or a gas; or (b) a mixture of such substances, that is or are left over, surplus or an unwanted by-product from any activity (whether or not the substance is of value) and includes a prescribed substance or class of substances.
Wastewater	water that contains a contaminant or waste.
Water	includes: (a) surface water, ground water and tidal waters; (b) coastal waters of the Territory, within the meaning of the Coastal Waters (Northern Territory Powers) Act 1980 of the Commonwealth; and (c) water containing an impurity.
WMPC Act	the Northern Territory <i>Waste Management and Pollution Control Act.</i>