

ENVIRONMENT PROTECTION LICENCE

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

Licensee	Global Resource Recovery (NT)
Licence Number	EPL229 - 03
Registered Business Address	Global Resource Recovery (NT) 800 Berrimah Road East Arm NT 0822
ACN	667 322 769
Premises Address	Section 05783 Hundred of Bagot plan(s) S2005/171A 800 BERRIMAH RD, EAST ARM
Anniversary Date:	29 June
Commencement Date:	29/06/2022
Expiry Date:	28/06/2027
Scheduled Activity	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. 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.
Description	Operation of a liquid waste treatment facility capable of treating, storing and recycling a variety of industrial liquid waste including the treatment of waste water and the recycling of ethylene glycol for the maritime, mining and oil and gas industries in the Darwin region.

Table 1 - Listed Wastes Authorised to be Handled

Listed Waste	Collection	Transport	Storage	Treatment	Recycling	Disposal
Inorganic sulfides	X	X	✓	✓	X	X
Isocyanate compounds	X	X	✓	X	X	X
Lead, lead compounds	X	X	✓	✓	X	X
Mercury, mercury compounds	X	X	✓	✓	X	X
Nickel compounds	X	X	✓	✓	X	X
Non-toxic salts	X	X	✓	✓	X	X
Organic phosphorus compounds	X	X	✓	X	X	X
Organic solvents excluding halogenated solvents	X	X	✓	✓	✓	X
Organohalogen compounds that are not otherwise specified in this Schedule	X	X	✓	X	X	X
Perchlorates	X	X	✓	X	X	X
Phenols, phenol compounds including chlorophenols	X	X	✓	X	X	X
Phosphorus compounds other than mineral phosphates	X	X	✓	✓	X	X
Residue from industrial waste treatment or disposal operations	X	X	✓	✓	X	X
Selenium, selenium compounds	X	X	✓	✓	X	X
Soils contaminated with a listed waste	X	X	✓	X	X	X
Surface active agents (surfactants) that contain principally organic constituents and that may contain metals and inorganic materials	X	X	✓	✓	X	X
Vanadium compounds	X	X	✓	✓	X	X
Waste chemical substances arising from R&D or teaching activities where the effects on human health and/or the environment are not known	X	X	✓	✓	X	X
Wastes containing peroxides other than hydrogen peroxide	X	X	✓	✓	X	X
Waste containing cyanides from heat treatment and tempering operations	X	X	✓	X	X	X

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Listed Waste	Collection	Transport	Storage	Treatment	Recycling	Disposal
Waste from the production, formulation and use of biocides and phytopharmaceuticals	✗	✗	✓	✓	✗	✗
Waste from the production, formulation and use of inks, dyes, pigments, paints, lacquers and varnish	✗	✗	✓	✓	✗	✗
Waste from the production, formulation and use of organic solvents	✗	✗	✓	✓	✓	✗
Waste from the production, formulation and use of photographic chemicals and processing materials	✗	✗	✓	✓	✗	✗
Waste from the production, formulation and use of resins, latex, plasticisers, glues and adhesives	✗	✗	✓	✓	✗	✗
Waste from the production and preparation of pharmaceutical products	✗	✗	✓	✓	✗	✗
Waste mineral oils unfit for their original intended use	✗	✗	✓	✓	✓	✗
Waste mixtures, or waste emulsions, of oil and water or hydrocarbon and water	✗	✗	✓	✓	✓	✗
Waste pharmaceuticals, waste drugs and waste medicines	✗	✗	✓	✗	✗	✗
Waste resulting from surface treatment of metals and plastics	✗	✗	✓	✓	✗	✗
Waste tarry residues arising from refining, distillation and any pyrolytic treatment	✗	✗	✓	✗	✗	✗
Waste substances and articles containing or contaminated with PCBs, PCNs, PCTs and/or PBBs	✗	✗	✓	✗	✗	✗
Zinc compounds	✗	✗	✓	✓	✗	✗
Ethers	✗	✗	✓	✗	✗	✗
Antimony, antimony compounds	✗	✗	✓	✓	✗	✗
Arsenic, arsenic compounds	✗	✗	✓	✓	✗	✗
Barium compounds other than barium sulphate	✗	✗	✓	✓	✗	✗
Basic solutions or bases in solid form	✗	✗	✓	✓	✓	✗
Beryllium, beryllium compounds	✗	✗	✓	✓	✗	✗
Boron compounds	✗	✗	✓	✓	✗	✗
Cadmium, cadmium compounds	✗	✗	✓	✓	✗	✗

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Listed Waste	Collection	Transport	Storage	Treatment	Recycling	Disposal
Chlorates	✗	✗	✓	✓	✗	✗
Acidic solutions or acids in solid form	✗	✗	✓	✓	✓	✗
Chromium compounds that are hexavalent or trivalent	✗	✗	✓	✓	✗	✗
Cobalt compounds	✗	✗	✓	✓	✗	✗
Containers that are contaminated with residues of a listed waste	✗	✗	✓	✓	✗	✗
Copper compounds	✗	✗	✓	✓	✗	✗
Cyanides (inorganic)	✗	✗	✓	✓	✗	✗
Filter cake	✗	✗	✓	✗	✗	✗
Fire debris and fire washwaters	✗	✗	✓	✓	✗	✗
Fly ash	✗	✗	✓	✓	✗	✗
Halogenated organic solvents	✗	✗	✓	✗	✗	✗
Highly odorous organic chemicals (including mercaptans and acrylates)	✗	✗	✓	✗	✗	✗
Inorganic fluorine compounds excluding calcium fluoride	✗	✗	✓	✓	✗	✗
Encapsulated, chemically fixed, solidified or polymerised wastes	✗	✗	✓	✓	✗	✗

✓ Activity authorised by this licence

✗ Activity not authorised by this licence

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ATTACHMENTS

- 1 Attachment A - Surface Water Monitoring.pdf
- 2 Attachment B - Groundwater Monitoring.pdf
- 3 Attachment C - Stack Emission Monitoring.pdf

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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.

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- The following EPOs and Beneficial Use Declarations (BUDs) are relevant to this licence:
 - Declaration of Beneficial Uses and Objectives Darwin Harbour Region - surface water

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 (SOCS) - Darwin Harbour Region. SOCS number 6
- Ramsar Wetland - none

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.

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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.

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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 via NT EPA Online the annual fee calculated in accordance with the method prescribed in the Regulations within 10 business days of the anniversary 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 ensure, at all times, that the activity is covered by a policy of insurance or other form of indemnity that will cover the likely costs or preventing, minimising or making good environmental damage that may result from the activity.
- 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 environmentalregulation@nt.gov.au).
- 8 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).
- 9 The licensee must maintain and implement the documents listed in Table 2.

Table 2 - Documents relating to this licence

Document Ref.	Document Name
GRR-DRW-FOR-210	Environmental Management Plan
GRR-DRW-PRO-212 RH	Emergency Response Plan
GRR-DRW-PRO-401-R2	Bulk Truck Receival
GRR-DRW-PRO-301 Rev 2	Pre-acceptance Sampling
GRR-DRW-PRO-402-R2	Bulk Wastewater Unloading
GRR-DRW-PRO-403-R2	Packaged Waste Receival

- 10 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:
 - 10.1 a tabulated summary of the amendment(s) with document references;
 - 10.2 reasons for the amendment(s); and
 - 10.3 an assessment of environmental risk associated with the amendment(s).

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- 11 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.
- 12 The licensee must maintain a Complaint Log for all complaints received by the licensee in relation to the activity.
- 13 The licensee must ensure that the Complaint Log includes, for each complaint received by the licensee, the following information:
 - 13.1 the person to whom the complaint was made;
 - 13.2 the person responsible for managing the complaint;
 - 13.3 the date and time the complaint was reported;
 - 13.4 the date and time of the event(s) that led to the complaint;
 - 13.5 the contact details of the complainant if known, or where no details are provided a note to that effect;
 - 13.6 the nature of the complaint;
 - 13.7 the nature of event(s) giving rise to the complaint;
 - 13.8 prevailing weather conditions at the time (where relevant to the complaint)
 - 13.9 the action taken in relation to the complaint, including any follow-up contact with the complainant; and
 - 13.10 if no action was taken, why no action was taken.
- 14 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

- 15 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 license, 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

- 16 The licensee must, without limiting any other condition of this licence, in conducting the licenced activity, do all things reasonable and practicable to ensure the licenced activity does not adversely affect the relevant Declared Beneficial Uses and Objectives as declared from time to time, including those applying to:
 - *Darwin Harbour Region - surface water - aquaculture, environment, cultural, rural stock and domestic.*

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- 17 The licensee must not collect, transport, store, recycle, treat or dispose of listed waste other than the listed waste specified in Table 1.
- 18 The licensee must ensure any plant and equipment used by the licensee in conducting the activity:
- 18.1 is reasonably fit for the purpose and use to which it is put;
 - 18.2 is maintained;
 - 18.3 is operated by a person trained to use the plant and equipment; and
 - 18.4 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.
- 19 The licensee must ensure that wastewater generated from washing plant and equipment associated with the activity does not cause pollution.
- 20 The licensee must segregate waste received at the premises in clearly designated areas for recycling, re-use or disposal.
- 21 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.
- 22 No change, replacement or alteration of plant and equipment is permitted if the change, replacement or alteration increases the risk of environmental harm for the licenced activity, unless approved in writing by the NT EPA.
- 23 The licensee must ensure that all listed waste being transported to and from the premises is transported by a person licenced under section 30 of the WMPC Act to transport the listed waste.
- 24 The licensee must ensure that all listed waste is delivered to a premises licenced under section 30 of the WMPC Act to receive that listed waste.
- 25 The licensee must comply with the National Environment Protection (Movement of Controlled Wastes between States and Territories) Measure.

DISCHARGES AND EMISSIONS

- 26 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).
- 27 The licensee must not allow a contaminant or waste, which causes or may cause environmental harm, to enter water.
- 28 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 water

- 29 This licence does not authorise the discharge of waste water resulting from the licenced activity through the storm water drain discharge point WMP1 identified in Attachment A.
- 30 The licensee must ensure that water discharged through the storm water drain at WMP1 identified in Attachment A, does not exceed the trigger values specified in Attachment A.

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- 31 The licensee must ensure that the water discharged through the storm water drain at WMP1 identified in Attachment A does not:
- 31.1 consist of water from any other source than stormwater. Where stormwater has collected within bunded areas, then water quality analysis must confirm the stormwater pH and dissolved oxygen values are within the ranges specified in Attachment A and does not contain the nutrients, metals and metalloids, hydrocarbons, organic alcohols and other contaminants listed in Attachment A;
 - 31.2 contain any floating debris, oil, grease, petroleum hydrocarbon sheen, scum, litter or other objectionable matter;
 - 31.3 cause or generate odours which would adversely affect the use of surrounding waters;
 - 31.4 cause algal blooms in the receiving water;
 - 31.5 cause visible change in the behaviour of fish or other aquatic organisms in the receiving water;
 - 31.6 cause mortality of fish or other aquatic organisms; or
 - 31.7 cause adverse impacts on plants.

Emissions to air

- 32 The licensee must ensure that the emissions from all emission events do not exceed the trigger values specified in Attachment C.
- 33 The licensee must install, operate and maintain pollution control equipment to minimise contaminants or waste in emissions to air.
- 34 The activity must not cause or release, beyond the boundary of the premises:
- 34.1 visible steam;
 - 34.2 smoke;
 - 34.3 offensive odour;
 - 34.4 dust or particulates; or
 - 34.5 noise which 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.
- 35 The licensee must comply with the National Environment Protection (Air Toxics) Measure.

Environmental Audit

- 36 The licensee must undertake, annually, and as prescribed by the conditions of this licence, an environmental audit by a qualified person to evaluate the:
- 36.1 extent to which compliance has been achieved with this licence; and
 - 36.2 ability of management systems to manage waste and prevent environmental harm resulting from pollution.
- 37 The licensee must submit the proposed scope for the environmental audit no later than 20 business days prior to the proposed commencement date of the environmental audit (which must be specified when the proposed scope is submitted), to the NT EPA for review and approval.
- 38 The NT EPA may require the licensee to revise or amend and resubmit any proposed scope for an environmental audit. Where the NT EPA requires the environmental audit scope to be resubmitted, the licensee must submit it to the NT EPA by the date specified by the NT EPA.

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- 39 The licensee must ensure that each environmental audit:
- 39.1 is not commenced until written approval of the environmental audit scope is received from the NT EPA; and
 - 39.2 is undertaken in accordance with the approved scope.
- 40 The licensee must ensure that, for each environmental audit undertaken by the licensee:
- 40.1 a written report is prepared and signed by the qualified person who conducted the audit;
 - 40.2 the written report is completed within 2 calendar months of the licensee's receipt of the NT EPA's approval of the environmental audit scope; and
 - 40.3 the written report is provided in full to the NT EPA within 5 business days of being signed by the qualified person.

MONITORING

- 41 The licensee must conduct surface water monitoring in accordance with Attachment A
- 42 The licensee must conduct ground water monitoring in accordance with Attachment B.
- 43 The licensee must conduct Stack Emission Monitoring in accordance with Attachment C.
- 44 The licensee must, prior to the initial wet season release of storm water from the storm water collection pit as identified in Attachment A, ensure that the quality of the water is within the trigger values specified in Attachment A.
- 45 The licensee must conduct surface water monitoring for parameters listed in Attachment A in any bunded area where rainfall has collected and the licensee is considering transfer to the stormwater system.
- 46 The licensee must ensure that all samples and field environmental data are representative of the conditions at the time of sampling.
- 47 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).
- 48 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.
- 49 The licensee must ensure any samples collected in accordance with the Attachment A, Attachment B and Attachment C or in connection with the activity or this licence, are obtained by, or under the supervision of a qualified sampler.
- 50 The licensee must ensure that, for each sample collected in accordance with Attachment A, Attachment B and Attachment C or the activity the following information must be recorded and retained:
- 50.1 the date on which the sample was collected;
 - 50.2 the time at which the sample was collected;
 - 50.3 the location at which the sample was collected;
 - 50.4 the name of the person who collected the sample;
 - 50.5 the chain of custody forms relating to the sample;
 - 50.6 the field measurements (if any) and analytical results (if any) relating to the sample; and

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50.7 laboratory quality assurance and quality control documentation.

RECORDING AND REPORTING

- 51 The licensee must keep records of all transfers of stormwater from bunded areas to the stormwater system including:
- 51.1 results of water quality analysis taken as required by condition 32.1 of this licence;
 - 51.2 the date and time when the transfer began and ceased; and
 - 51.3 the volume transferred to the stormwater system.
- 52 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, which include:
- 52.1 the date of collection;
 - 52.2 the source of the listed waste;
 - 52.3 the name of the transport company, if not the licensee;
 - 52.4 the vehicle registration;
 - 52.5 a description of the listed waste;
 - 52.6 the quantity of the listed waste;
 - 52.7 the final destination of the listed waste; and
 - 52.8 whether the listed waste was stored, recycled, treated or disposed of.
- 53 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.
- 54 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.
- 55 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.
- 56 The licensee must include in the notification of non-compliance the following information:
- 56.1 when the non-compliance was detected and by whom;
 - 56.2 the date and time of the non-compliance;
 - 56.3 the actual and potential causes and contributing factors to the non-compliance;
 - 56.4 the risk of environmental harm arising from the non-compliance;
 - 56.5 the action(s) that have or will be undertaken to mitigate any environmental harm arising from the non-compliance;
 - 56.6 corrective actions that have or will be undertaken to ensure the non-compliance does not reoccur;
 - 56.7 if no action was taken, why no action was taken; and

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- 56.8 a date when an incident investigation report will be submitted to the NT EPA.
- 57 A non-compliance with this licence includes:
- 57.1 an exceedance of a trigger value specified in Attachment A, Attachment B and Attachment C on three consecutive sampling occasions;
 - 57.2 subsequent consecutive exceedances of trigger values as described in condition 58.1; and
 - 57.3 an exceedance of a trigger value specified in Attachment A, Attachment B and Attachment C on a single occasion where the parameter measures greater than or equal to three times the trigger value.
- 58 The licensee must notify the NT EPA of any exceedance of trigger value as specified in Attachment A, Attachment B and Attachment C as soon as practicable after (and in any case within 24 hours after) first becoming aware of the exceedance.
- 59 The licensee must keep records of all exceedances of trigger values specified in Attachment A, Attachment B and Attachment C. These records must be adequate to enable the licensee to comply with the exceedance notification conditions of this licence.
- 60 The licensee must ensure that the notification of the trigger value exceedance includes the following information:
- 60.1 when the exceedance was detected and by whom;
 - 60.2 the date and time of the exceedance;
 - 60.3 the actual and potential causes and contributing factors to the exceedance;
 - 60.4 the risk of environmental harm arising from the exceedance assessed in accordance with relevant trigger values as specified in Attachment A, Attachment B and Attachment C;
 - 60.5 the action(s) that have or will be undertaken to address the exceedance and any resulting environmental harm; and
 - 60.6 if no action was taken, why no action was taken.
- 61 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.
- 62 The licensee must complete and provide to the NT EPA a Monitoring Report, as prescribed by this licence, within 10 business days after each anniversary date of this licence.
- 63 The licensee must ensure that each Monitoring Report:
- 63.1 is prepared in accordance with the requirements of the NT EPA 'Guideline for Reporting on Environmental Monitoring';
 - 63.2 reports on surface water, groundwater, stormwater transferred from bunded areas and stack emission monitoring undertaken for this licence and as part of the environmental monitoring program for the site;
 - 63.3 includes a tabulation of all monitoring data required as a condition of this licence. Data must be provided electronically in Microsoft Excel format;
 - 63.4 includes long term trend analysis of monitoring data to demonstrate any environmental impact associated with the activity over a minimum period of three years (where the data is available). Data used in this analysis must be provided electronically in Microsoft Excel format;

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- 63.5 provides an assessment on groundwater levels, including groundwater contours and tidal influence;
 - 63.6 reports on all exceedances and investigations undertaken for this licence; and
 - 63.7 includes an assessment of environmental impact from the activity.
- 64 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.

END OF LICENCE CONDITIONS

This licence is not valid unless signed below:



Penny Renc
Acting Director Environmental Operations
Delegate of the Northern Territory
Environment Protection Authority
Dated: 18/09/2023

END NOTES

Rev.	Issue/Rev. Date	Expiry Date	Reason for Revision
0	21/12/2017	20/12/2019	New licence (s34)
1	29/06/2020	28/06/2020	Licence renewal (s40)
2	29/06/2022	28/06/2027	Licence renewal (s40)
3	13/09/2023	28/06/2027	Licence transfer (s46) from Smorgon Fuels Pty Ltd

The End Notes are to assist with historical records.

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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.
Community feedback number	a telephone number enabling members of the public to contact, at any time, a person or voice mail system that can accept, on behalf of the licensee, enquiries or complaints about the activity, and to which the licensee must respond.
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.
Consultation and Communication Plan	a written plan documenting proposed consultation and communications for the activity before, during and after the 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 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.
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.

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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: (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.
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 (b) a contaminant or waste, effect or phenomenon, that is present in the

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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>
Rehabilitation Plan	a written plan to ensure that the objectives of rehabilitation are achieved as set out in the NT EPA Guidelines for the Siting, Design and Management of Solid Waste Disposal Sites in the Northern Territory.
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).
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.
Trigger values	assigned value for each indicator used to assess the risk to an environmental value, a value that initiates some type of pre-defined management action.
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> .

Attachment A – Surface Water Monitoring

		Site Code	SWMP1
		Latitude	-12.479694°
		Longitude	130.898194°
Parameter	Unit	Trigger Value	Frequency
Field Measurements			
Temperature	°C	-	D
pH	pH units	7.0 – 8.5 ¹	D
Electrical Conductivity	µS/cm	-	D
Dissolved Oxygen	% saturation	80 - 100 ¹	D
Major Ions			
Calcium	mg/L	-	M
Magnesium	mg/L	-	M
Sodium	mg/L	-	M
Potassium	mg/L	-	M
Carbonate	mg/L	-	M
Bicarbonate	mg/L	-	M
Chloride	mg/L	-	M
Sulphate	mg/L	-	M
Nutrients			
Total Phosphorous	µg/L	20 ¹	M
Total Nitrogen	µg/L	270 ¹	M
Oxides of Nitrogen	µg/L	20 ¹	M
Ammonium	µg/L	20 ¹	M
Metals and Metalloids (total and filtered)			
Antimony	µg/L	270 ²	M
Arsenic	µg/L	4.5 ²	M
Barium	µg/L	-	M
Beryllium	µg/L	-	M
Boron	µg/L	5100 ²	M
Cadmium	µg/L	5.5 ³	M
Chromium	µg/L	4.4 ^{3#}	M
Cobalt	µg/L	1 ³	M
Copper	µg/L	1.3 ³	M
Lead	µg/L	4.4 ³	M
Manganese	µg/L	80 ²	M
Mercury (inorganic)	µg/L	0.4 ³	M
Nickel	µg/L	70 ³	M
Selenium	µg/L	3 ²	M
Vanadium	µg/L	100 ³	M
Zinc	µg/L	15 ³	M
Hydrocarbons			
BTEXN (benzene, toluene, ethylbenzene, xylene and naphthalene)	µg/L	700 (benzene) ³ 180 (toluene) ² 70 (naphthalene) ³	M
Polycyclic aromatic hydrocarbons (PAHs)	µg/L	-	M
Total Recoverable Hydrocarbons (TRH)	µg/L	-	M
Organic Alcohols			
Monoethylene Glycol	µg/L	-	M

Triethylene Glycol	µg/L	-	M
Other			
PFAS (per and poly-fluoroalkyl substances)	µg/L	0.13 (PFOS) ⁴ 220 (PFAS) ⁴	M
Polychlorinated Biphenyls (PCBs)	µg/L	-	M
Total Cyanide	µg/L	4 ³	M
Phenols	µg/L	400 (Phenol) ³	M
Total Suspended Solids (TSS)	mg/L	10 ¹	M
Total Dissolved Solids (TDS)	mg/L	-	M
Key: D – Daily during months of release of storm water M – Monthly during months of release of storm water ¹ Value taken from Water Quality Objectives for the Darwin Harbour Region – mid-estuary ² Value is low reliability trigger value for marine waters from Value taken from ANZG 2018; ³ Value taken from ANZG 2018; trigger values for toxicants at 95% species protection for marine water ⁴ Value taken from the PFAS National Environment Management Plan Version 2.0 for 95% species protection in marine waters (note they are interim values) # Chromium VI (CrIV) was used instead of Chromium III (CrIII). Naturally occurring chromium is present as trivalent (CrIII) while hexavalent Chromium (CRVI) in the environment is almost totally derived from human activities [WHO 1990].			

Attachment B – Groundwater Monitoring

Site Code Latitude Longitude		Authorised Monitoring Bores				
		EMB7	EMB12	EMB13	EMB14	EMB15
		-12.479693°	-12.479644°	-12.480093°	-12.480813°	-12.480607°
		130.899048°	130.898153°	130.899119°	130.898873°	130.897854°
Parameter	Unit					
Field Measurements						
Standing Water Level	mAHD	M	M	M	M	M
Temperature	°C	A	A	M	M	A
pH	pH units	A	A	M	M	A
Electrical Conductivity	µS/cm	A	A	M	M	A
Dissolved Oxygen	mg/L	A	A	M	M	A
REDOX	mV	A	A	M	M	A
Major Ions						
Calcium	mg/L	A	A	Q	Q	A
Magnesium	mg/L	A	A	Q	Q	A
Sodium	mg/L	A	A	Q	Q	A
Potassium	mg/L	A	A	Q	Q	A
Carbonate	mg/L	A	A	Q	Q	A
Bicarbonate	mg/L	A	A	Q	Q	A
Chloride	mg/L	A	A	Q	Q	A
Sulphate	mg/L	A	A	Q	Q	A
Nutrients						
Total Phosphorous	mg/L	A	A	Q	Q	A
Total Nitrogen	mg/L	A	A	Q	Q	A
Oxides of Nitrogen	mg/L	A	A	Q	Q	A
Ammonium	mg/L	A	A	Q	Q	A
Metals and Metalloids (filtered)						
Antimony	µg/L	A	A	Q	Q	A
Arsenic	µg/L	A	A	Q	Q	A
Barium	µg/L	A	A	Q	Q	A
Beryllium	µg/L	A	A	Q	Q	A
Boron	µg/L	A	A	Q	Q	A
Cadmium	µg/L	A	A	Q	Q	A
Chromium	µg/L	A	A	Q	Q	A
Cobalt	µg/L	A	A	Q	Q	A
Copper	µg/L	A	A	Q	Q	A
Lead	µg/L	A	A	Q	Q	A
Manganese	µg/L	A	A	Q	Q	A
Mercury (Inorganic)	µg/L	A	A	Q	Q	A
Nickel	µg/L	A	A	Q	Q	A
Selenium	µg/L	A	A	Q	Q	A
Vanadium	µg/L	A	A	Q	Q	A
Zinc	µg/L	A	A	Q	Q	A
Hydrocarbons						
BTEXN (benzene, toluene, ethylbenzene, xylene and naphthalene)	µg/L	A	A	Q	Q	A

Polycyclic aromatic hydrocarbons (PAHs)	µg/L	A	A	Q	Q	A
Total recoverable Hydrocarbons (TRH)	µg/L	A	A	Q	Q	A
Organic Alcohols						
Monoethylene Glycol	µg/L	A	A	Q	Q	A
Triethylene Glycol	µg/L	A	A	Q	Q	A
Other						
PFAS (per and poly-fluoroalkyl substances)	µg/L	A	A	Q	Q	A
Polychlorinated Biphenyls (PCBs)	µg/L	A	A	Q	Q	A
Total Cyanide	µg/L	A	A	Q	Q	A
Phenols	µg/L	A	A	Q	Q	A
mAHD – Australian Height Datum						

Attachment C – Stack Emission Monitoring

			Air Emission Monitoring			
			Location			
			AEP1	AEP2		
			Latitude	-12.480152°		
Longitude	130.898891°	130.898635°				
Parameter	Units	Emission Limit ²	Frequency		Test Method ²	Monitoring Method ²
Solid Particles (total)	mg/m³	50	Annually	Annually	TM-15	-
Oxides of Nitrogen (as NO ₂)	mg/m³	350	Annually	-	TM-11	CEM-2
Hydrogen Chloride	mg/m³	100	Annually	-	TM-8	-
Cadmium ³	mg/m³	0.2	Annually	-	TM-12 TM-13 TM-14	-
Carbon Monoxide ¹	mg/m³	-	Annually	-	TN-23	CEM-4
Mercury ³	mg/m³	0.2	Annually	-	TM-12 TM-13 TM-14	-
Type 1 and Type 2 substances in aggregate. Antimony, arsenic, beryllium, chromium, cobalt, lead manganese, nickel, selenium and vanadium.	mg/m³	1	Annually	-	TM-12 TM-13 TM-14	-
Sulphur Dioxide	mg/m³	150	Annually	-	TM-4	CEM-2
Volatile Organic Compounds (VOCs)	mg/m³	40	Annually	Annually	TM-34	CEM-8 CEM-9 CEM-10
Key AEP1 – Boiler stack release point. AEP2 – Cold stack release point. Receives inflow from storage tanks carbon filter, oil production carbon filter and glycol production carbon filter. ¹ No emission limit imposed. Required to inform future air emission monitoring plans. ² Source: NSW Protection of the Environment Operations (Clean Air) Regulation 2010. ³ And their compounds.						