Government of Western Australia
Department of Water and Environmental Regulation

Licence

Licence number	L7337/1998/11
Licence holder	Alinta Energy Transmission (Roy Hill) Pty Ltd
ACN (if applicable)	159 279 857
Registered business address	Level 13, Grosvenor Place 225 George St SYDNEY NSW 2000
DWER file number	DER2013/001074-1~14
Duration	08/12/2023 to 07/12/2043
Date of issue	06/12/2023
Premises details	Newman Power Station Legal description - Lot 555 on Deposited Plan 400578 NEWMAN WA 6753 as defined by the coordinates in Appendix A of licence

Prescribed premises category description (Schedule 1, *Environmental Protection Regulations 1987*)	**Assessed capacity**
Category 52: Electric power generation: Premises (other than Premises within category 53 or an emergency or standby power generating plant) on which electrical power is generated using a fuel.	Not more than 162 MW

This licence is granted to the licence holder, subject to the attached conditions, on 6 December 2023 by:

Neville J Welsh Date: 2023.12.06 11:58:20 +08'00'

Neville Welsh
SENIOR INDUSTRY REGULATION OFFICER
REGULATORY SERVICES
Officer delegated under section 20 of the *Environmental Protection Act 1986*

Licence history

Date	Reference number	Summary of changes
15/12/2003	L7337/1998/6	Licence reissue
8/12/2004	L7337/1998/7	Licence reissue. Duration of Licence extended to 3 years
8/12/2007	L7337/1998/8	Licence reissue
2/12/2010	L7337/1998/9	Licence reissue
16/12/2012	L7337/1998/9	Licence amended
5/12/2013	L7337/1998/10	Licence reissue. Licence converted to REFIRE format
27/03/2014	L7337/1998/10	Licence transferred from Alinta DEWAP Pty Ltd to Alinta Energy Transmission (Roy Hill) Pty Ltd.
11/08/2020	L7337/1998/10	Licence holder-initiated amendment to install 14 new Jenbacher reciprocating engines with design capacity of 162MW plus lube tanks and oily water separator. Licence converted to 2020 format.
18/08/2020	L7337/1998/10	CEO initiated amendment to correct administrative errors.
02/11/2022	L7337/1998/10	Licence holder-initiated amendment to modify the requirements relating to PEMS and to extend the period of commissioning.
06/12/2023	L7337/1998/11	Licence renewal with twenty-year duration.

Interpretation

In this licence:

(a) the words ‘including’, ‘includes’ and ‘include’ in conditions mean “including but not limited to”, and similar, as appropriate;

(b) where any word or phrase is given a defined meaning, any other part of speech or other grammatical form of that word or phrase has a corresponding meaning;

(c) where tables are used in a condition, each row in a table constitutes a separate condition;

(d) any reference to an Australian or other standard, guideline, or code of practice in this licence:

(e) if dated, refers to that particular version; and

(f) if not dated, refers to the latest version and therefore may be subject to change over time;

(g) unless specified otherwise, any reference to a section of an Act refers to that section of the EP Act; and

(h) unless specified otherwise, all definitions are in accordance with the EP Act.

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

Licence conditions

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

Works

1. The licence holder must:

(a) construct and install the infrastructure and equipment;

(b) in accordance with the corresponding construction and installation requirements; and,

(c) at the corresponding infrastructure location

as set out in Table 1.

Table 1: Infrastructure and equipment requirements table

Infrastructure and equipment	Construction and installation requirements	Infrastructure location (see Schedule1: Premises map)
Predictive Emissions Monitoring System (PEMS)	Must be installed across all 18 generators in accordance with requirements of US EPA Performance Specification 16 unless otherwise specified in the conditions of this Licence	A1 – A4 and AN1 – AN14

Compliance reporting

2. The licence holder must within 30 calendar days of an item, or all items, of infrastructure or equipment required by condition 1 being constructed and/or installed:

(a) undertake an audit of their compliance with the requirements of condition 1; and

(b) prepare and submit to the CEO an Environmental Compliance Report on that compliance.

3. The Environmental Compliance Report required by condition 2, must include as a minimum the following:

(a) certification by a Chartered Engineer that the items of infrastructure and equipment or component(s) thereof, as specified in condition 1, have been constructed in accordance with the relevant requirements specified in condition 1;

(b) as constructed plans and a detailed site plan for each item of infrastructure or equipment or component(s) thereof specified in condition 1; and

(c) be signed by a person authorised to represent the licence holder and contains the printed name and position of that person.

Environmental commissioning phase

4. The licence holder must only commence environmental commissioning of an item of infrastructure listed in condition 1 once the Environmental Compliance Report has been submitted for that item of infrastructure in accordance with conditions 2 and 3 of this Licence.

5. Any environmental commissioning activities undertaken for an item of infrastructure specified in Table 1 may only be carried out:

(a) in accordance with the corresponding commissioning requirements; and

(b) for the corresponding authorised commissioning duration

of Table 2 below.

Table 2: Environmental commissioning requirements

Infrastructure	Commissioning requirements	Authorised commissioning duration
Jenbacher reciprocating engines	Stable engine part load to be between 50-100%	For a period not exceeding 140 calendar days
Predictive Emissions Monitoring System (PEMS)	A Continual Compliance PEMS initial certification test must be completed on, as a minimum, PEMS installed on emission points A1, A4, AN1 and AN8, in accordance with the requirements of US EPA Performance Specification 16	Within 60 calendar days of completing commissioning.
	A Reduced Continual Compliance PEMS initial certification test must be completed on PEMS installed on all remaining emission points	Within 60 calendar days of completing commissioning.

6. During environmental commissioning, the licence holder must ensure that the emission(s) specified in Table 3, are discharged only from the corresponding discharge point(s) and only at the corresponding discharge point location(s).

Table 3: Authorised discharge points during commissioning

Emission	Discharge point	Discharge point location
NOx	AN1 to AN14	As shown in Schedule 1: Premises Map
CO		
VOC		
SO_2		
$PM_{2.5}$ / PM_{10}		

7. During environmental commissioning, the licence holder must ensure that the emissions from the discharge points listed in Table 4 do not exceed the corresponding limit(s) when monitored in accordance with condition 8.

Table 4: Emission and discharge limits during environmental commissioning

Discharge points	Parameter	Unit (100% Load)	Limit
AN1 to AN14	NO_2	g/s	0.924
	NOx as NO_2	mg/Nm^3 [1]	500
	CO	mg/Nm^3 [1]	1,500
	VOC	mg/Nm^3 [1]	1,200
	SO_2	mg/Nm^3 [2]	13
	$PM_{2.5}$ / PM_{10}	mg/Nm^3 [1]	10

Note 1: All units are referenced to STP dry and 5% O_2.
Note 2: All units are referenced to STP dry and 15% O_2.

8. The licence holder must monitor emissions during environmental commissioning in accordance with Table 5.

Table 5: Emissions and discharge monitoring during environmental commissioning

Discharge point	Frequency	Parameter	Unit	Method
AN1 to AN14	Once during the commissioning period[2]	NO_2	g/s and mg/m^3 [1]	USEPA Method 7E
		CO	mg/m^3 [1]	USEPA Method 10
		VOC	mg/m^3 [1]	USEPA Method 18
		SO_2	mg/m^3 [2]	USEPA Method 6
		$PM_{2.5}$ / PM_{10}	mg/m^3 [1]	USEPA Method 201A

Note 1: All units are referenced to STP dry and 5% O_2.
Note 2: All units are referenced to STP dry and 15% O_2.
Note 3: Monitoring shall be undertaken to reflect normal operating conditions and any limits or conditions on inputs or production.

9. The licence holder must record the results of all monitoring activity required by condition 8.

10. The licence holder must submit to the CEO an Environmental Commissioning Report within 30 calendar days of the completion date of environmental commissioning for each item of infrastructure specified in Table 2.

11. The licence holder must ensure the Environmental Commissioning Report required by condition 10 of this Licence includes the following:

(a) a summary of the environmental commissioning activities undertaken, including timeframes and amount of MWe generated.

(b) a summary of the performance of each item of infrastructure as constructed or installed (as applicable), which at minimum includes records detailing the (for example):

(i) environmental commissioning of the engines;

(ii) testing the engines; and

(iii) commissioning of the process control system;

(c) The results of the Continual Compliance PEMS initial certification test;

(d) a review of the licence holder's performance and compliance against the conditions of these works conditions; and

(e) where they have not been met, measures proposed to meet the manufacturer's design specifications and the conditions of this Licence, together with timeframes for implementing the proposed measures.

Infrastructure and equipment (operation)

12. The licence holder must ensure that the site infrastructure and equipment listed in Table 6 and located at the corresponding infrastructure location is maintained and operated in accordance with the corresponding operational requirement set out in Table 6.

Table 6: Infrastructure and equipment requirements

Site infrastructure and equipment	**Operational requirement**	**Infrastructure location (See Schedule 1: Premises map)**
Three GE Frame 6 turbine units Rolls Royce Trent 60 turbine 14 Jenbacher engines	Maintain each turbine and engine in accordance with the manufacturer's specifications When thermal electricity generation exceeds 132 MWe, no more than 3 gas turbines may be in operation Each of the GE Frame 6 turbines shall run on diesel for no more than 100 hours per year for maintenance and performance checks unless in an emergency situation	Existing Gas Turbine Area New Engine Hall AN 1 – AN 14
1 black start diesel generator	Operation limited to 100 hours per year.	Existing Gas Turbine Area
Fuel Farm containing two 610,000L diesel storage tanks	Must include primary and secondary containment measures in accordance with AS1940:2004 Area within the bund to drain to the oily water treatment system	Fuel Farm
Oily water treatment systems	All spillage of petroleum hydrocarbons within the maintenance workshops, processing plant areas, the vicinity of the diesel generators, fuel loading or unloading areas and washdown bays, and engine	Existing Oily Water Treatment System New Engine Hall

Site infrastructure and equipment	Operational requirement	Infrastructure location (See Schedule 1: Premises map)
	halls are contained and directed to an oily water treatment system. These systems to discharge to the Evaporation Pond. Extracted oil to be stored in impermeable holding tanks prior to being recycled or disposed of to an appropriately licensed waste disposal facility.	
Evaporation pond - clay lined	Clay lined Ensure the evaporation pond has at least 500mm freeboard maintained at all times.	Evaporation pond

Emissions and discharges

Point source emissions to air

13. The licence holder must ensure that where waste is emitted to air from the emission points in Table 7 and identified on the Premises map in Schedule 1 it is done so in accordance with the conditions of this licence.

Table 7: Emission points to air

Emission point reference and location on Premises Map in Schedule 1	Emission Point	Source, including any abatement
A1- A3	Stack 1, 2, 3	Respective 7.25m high stacks of the three GE Frame 6 turbine units
A4	Stack 4	The 25m high stack of the Rolls Royce Trent 60 turbine unit
AN1-AN14	Stacks 5 to 18	Stacks of the fourteen Jenbacher engines that are at least 14m from the finished floor level
E1	Stack 19	Black start emergency diesel generator

14. The licence holder must not cause or allow point source emissions to air greater than the limits listed in Table 8.

Table 8: Point source emissions to air

Emission point Reference	Parameter	Limit (including units)[1]	Averaging period
A1-A3	NOx	350 mg/m^3	30 minute average
A4	NOx	680 mg/m^3	30 minute average
AN1 to AN14	NOx	190 mg/m^3	30 minute average
	NO_2	0.924 g/s	

Note 1: All units are referenced to STP dry and to 15% O_2

15. The licence holder must ensure all emissions of dark smoke from any stack at the Premises does not continue for more than 4 minutes in total over any one hour period.

16. The licence holder must ensure all emissions of dark smoke from any stack at the Premises does not continue more than 20 minutes in total over any 24 hour period.

Point source emissions to land

17. The licence holder must ensure that where waste is emitted to land from the emission points in Table 9 and identified on the Premises map in Schedule 1 it is done so in accordance with the conditions of this licence.

Table 9: Emission points to land

Emission point reference and location on Premises Map in Schedule 1	Emission Point	Source, including any abatement
W1	Discharge to the Evaporation Pond	Combined outlets from the oily water treatment systems prior to entering the Evaporation Pond

18. The licence holder must not cause or allow point source emissions to land greater than the limits listed in Table 10.

Table 10: Point source emissions to land

Emission point Reference	Parameter	Limit (including units)[1]	Averaging period
W1	Total recoverable hydrocarbons	15mg/L	Spot sample

Monitoring

General monitoring

19. The licensee shall ensure that all laboratory samples are submitted to a laboratory with current NATA accreditation for the parameters to be measured.

20. The licence holder must ensure that:

    (a) monitoring is undertaken in each quarterly period such that there are at least 45 days in between the days on which samples are taken in successive quarters; and

    (b) monitoring is undertaken in each annual period such that there are at least 9 months in between the days on which samples are taken in successive years.

21. The licence holder must record production or throughput data and any other process parameters relevant to any non-continuous or PEMS monitoring undertaken.

22. The licence holder must ensure that all monitoring equipment used on the Premises to comply with the conditions of this Licence is calibrated in accordance with the manufacturer's specifications.

23. The licence holder must, where the requirements for calibration cannot be practicably met, or a discrepancy exists in the interpretation of the requirements, bring these issues to the attention of the CEO accompanied with a report comprising details of any modifications to the methods.

Monitoring of point source emissions to air

24. The licence holder must monitor emissions:

(a) from each discharge point;

(b) for the corresponding parameter;

(c) at the corresponding frequency;

(d) for the corresponding averaging period;

(e) in the corresponding unit; and

(f) using the corresponding method,

as set out in Table 11.

Table 11: Emissions and discharge monitoring – emissions to air

Discharge point	Parameter	Frequency[1]	Averaging period	Unit[2, 3]	Sampling method[4]
A1-A4 and AN1-AN14	NOx	Annually	30 minutes	g/s and mg/m^3	USEPA Method 7E
	CO		30 minutes		USEPA Method 10
A1-A4 and AN1-AN14	NOx	Continuous	30 minutes	mg/m^3	PEMS
	CO		30 minutes		

Note 1: Monitoring shall be undertaken to reflect normal operating conditions and any limits or conditions on inputs or production
Note 2: All units are referenced to STP dry
Note 3: All units are referenced to 15% O_2
Note 4: Where any USEPA method refers to USEPA Method 1 for the sampling plane, this must be read as a referral to AS/NZS 4323.1:2001

25. The licence holder must record the results of all monitoring activity required by conditions 24.

26. The licence holder must ensure that all non-continuous sampling and analysis undertaken pursuant to conditions 8 and 24 is undertaken by a holder of a current accreditation from the National Association of Testing Authorities (NATA) for the methods of sampling and analysis relevant to the corresponding relevant parameter.

27. When utilising PEMS to monitor emissions pursuant to condition 24, the licence holder must ensure that the PEMS, as installed under condition 1, is regularly operated, maintained and calibrated in accordance with US EPA Performance Specification 16.

28. In order to comply with condition 27, the licence holder must undertake Periodic Quality Assurance Audits at the frequency specified in Table 12.

Table 12: Frequency of Period Quality Assurance Audits

Emission point	Frequency
Relative accuracy audit (RAA)	Each quarter[1] during the first year of operation of the PEMS after initial certification testing to ensure that as a minimum; • the PEMS on the Rolls Royce turbine (A1), one of the GE turbines (A1, A2 or A3) and five of the Jenbacher gas fired generators (A1 – A14) are tested each quarter; and • each emission point undergoes at least one RAA during the year.[1]
Relative accuracy test audit (RATA)	At least once every four quarters[2] to ensure that as a minimum: • the PEMS on the Rolls Royce turbine (A1), one of the GE turbines (A1, A2 or A3) and five of the Jenbacher gas fired generators (A1 – A14) are tested each year; and • each emission point undergoes at least one RATA every three years.

Note 1: Except in the quarter that the RATA is performed.
Note 2: To be performed in the quarter that the RAA is not performed

29. The licence holder must ensure that 12 months of continuous results from the PEMS are made available 13 months from the date that it became operational, or on request, as tabulated data and time series graphs including:

(a) times and dates;

(b) limit exceedances;

(c) any relevant process, production or operational data recorded under condition 21; and

(d) an assessment of the information submitted against previous submissions and licence limits.

30. The licence holder must determine and record calculated stack emission rate data for SO_2 emissions, based on an annual distillate sample reading, when diesel is used as a base fuel for power generation.

Monitoring of point source emissions to land

31. The licence holder must monitor emissions:

(a) from each discharge point;

(b) for the corresponding parameter;

(c) at the corresponding frequency;

(d) for the corresponding averaging period;

(e) in the corresponding unit; and

(f) using the corresponding method,

as set out in Table 13.

Table 13: Emissions and discharge monitoring – emissions to land

Discharge point	Parameter	Frequency[1]	Averaging period	Unit[2, 3]	Sampling method[4]
W1	Total recoverable hydrocarbons	Quarterly	Spot sample	Mg/L	AS5667.1-1998 AS5667.10-1998

32. The licence holder must record the results of all monitoring activity required by conditions 31.

Records and reporting

Notification

33. The licence holder must, within 7 days of becoming aware of any non-compliance with conditions 12, 13, 14, 15, 16, 17 or 18 of this licence, notify the CEO in writing of that non-compliance and include in that notification the following information:

(a) which condition was not complied with;

(b) the time and date when the non-compliance occurred;

(c) if any environmental impact occurred as a result of the non-compliance and if so what that impact is and where the impact occurred;

(d) the details and result of any investigation undertaken into the cause of the non-compliance;

(e) what action has been taken and the date on which it was taken to prevent the non-compliance occurring again; and

(f) what action will be taken and the date by which it will be taken to prevent the non-compliance occurring again.

Records

34. The licence holder must record the following information in relation to complaints received by the licence holder (whether received directly from a complainant or forwarded to them by the Department or another party) about any alleged emissions from the Premises:

(a) the name and contact details of the complainant, (if provided);

(b) the time and date of the complaint;

(c) the complete details of the complaint and any other concerns or other issues raised; and

(d) the complete details and dates of any action taken by the licence holder to investigate or respond to any complaint.

35. The licence holder must maintain accurate and auditable books including the following records, information, reports, and data required by this licence:

(a) the calculation of fees payable in respect of this licence;

(b) the works conducted in accordance with condition 1 of this licence;

(c) any maintenance of infrastructure that is performed in the course of complying with condition 12 of this licence;

(d) monitoring programmes undertaken in accordance with condition 24 and 25 of this licence;

(e) quality assurance testing required to ensure compliance with condition 27 of this licence; and

(f) complaints received under condition 34 of this licence.

36. The books specified under condition 35 must:

(a) be legible;

(b) if amended, be amended in such a way that the original version(s) and any subsequent amendments remain legible and are capable of retrieval;

(c) be retained by the licence holder for the duration of the licence; and

(d) be available to be produced to an inspector or the CEO as required.

Reporting

37. The licence holder must:

(a) undertake an audit of their compliance with the conditions of this licence during the preceding annual period; and

(b) prepare and submit to the CEO by no later than 60 days after the end of that annual period an Annual Audit Compliance Report in the approved form.

38. The licence holder must submit to the CEO by no later than 60 days after the end of each annual period, an Annual Environmental Report for that annual period for the conditions listed in Table 14, and which provides information in accordance with the corresponding requirement set out in Table 14.

Table 14: Annual environmental report

Condition or table (if relevant)	Parameter	Format or form[1]
-	Summary of any failure or malfunction of any pollution control equipment or any incidents that have occurred during the year and any action taken	None specified
Conditions 14,15, 16 and 18	Limit exceedance	None specified
Table 11	Measured NOx and CO emissions in g/s and mg/m^3	None specified
Conditions 27 and 28	PEMS Performance	None specified
30	SO_2 emissions based on annual distillate sample reading	AR1

Condition or table (if relevant)	Parameter	Format or form[1]
31	Total Recoverable Hydrocarbon concentration discharged to evaporation ponds	None specified
37	Compliance	AACR
34	Complaints summary	None specified

Note 1: Forms are in Schedule 2

39. The licence holder must ensure that the Annual Environmental Report also contains:

(a) any relevant process, production or operational data recorded under condition 21;

(b) an assessment of the information contained within the report against previous monitoring results and licence limits; and

(c) copies of any original monitoring reports submitted to the licence holder from third parties for the annual period.

Definitions

In this licence, the terms in Table 15 have the meanings defined.

Table 15: Definitions

Term	Definition
ACN	Australian Company Number
Annual Audit Compliance Report (AACR)	means a report submitted in a format approved by the CEO (relevant guidelines and templates may be available on the Department's website)
annual period	a 12 month period commencing from 1 July until 30 June of the immediately following year
AS 1940:2004	means *Australian Standard 1940:2004 The storage and handling of flammable and combustible liquids*
AS 4323.1	means *Australian Standard AS4323.1 Stationary Source Emissions: Selection of sampling positions*
AS 5667.1	means *Australian and New Zealand Standard AS/NZS 5667.1-1998 Guidance on the design of sampling programs, sampling techniques and the preservation and handling of samples*
AS 5667.10	means *Australian and New Zealand Standard AS/NZS 5667.10-1998 Guidance on sampling of waste waters*
averaging period	means the time over which a recorded monitoring result is obtained
books	has the same meaning given to that term under the EP Act
CEO	means Chief Executive Officer of the Department. "submit to / notify the CEO" (or similar), means either: Director General Department administering the *Environmental Protection Act 1986* Locked Bag 10 Joondalup DC WA 6919 or: info@dwer.wa.gov.au
Continual Compliance PEMS initial certification test	means a relative accuracy test as specified in section 2.1.2 of US EPA Specification 16
dark smoke	means smoke which, when viewed from any point outside the premises boundary, at a distance of not less than 5 metres from its source, and compared with a chart known as the Australian Miniature Smoke Chart (AS3543), would appear darker than shade one on that chart
Department	means the department established under section 35 of the *Public Sector Management Act 1994* (WA) and designated as responsible for the administration of the EP Act, which includes Part V Division 3
discharge	has the same meaning given to that term under the EP Act
emergency situation	means an unplanned interruption to the supply of natural gas to the Premises
emission	has the same meaning given to that term under the EP Act
environmental commissioning	Means the sequence of activities to be undertaken to test equipment integrity and operation, or to determine the environmental performance of equipment and infrastructure to establish or test a steady state operation and confirm design specifications

Term	Definition
EP Act	*Environmental Protection Act 1986* (WA)
EP Regulations	*Environmental Protection Regulations 1987* (WA)
freeboard	means the vertical distance between the crest of an embankment surrounding a pond and the water surface
gas turbine	refers to the GE Frame turbines (A1 to A3) and Rolls Royce Trent turbine (A4)
licence	refers to this document, which evidences the grant of a licence by the CEO under section 57 of the EP Act, subject to the specified conditions contained within
licence holder	refers to the occupier of the premises, being the person specified on the front of the licence as the person to whom this licence has been granted
MWe	means power output (electricity generated) in megawatts
NATA	means the National Association of Testing Authorities, Australia
NATA accredited	means in relation to the analysis of a sample that the laboratory is NATA accredited for the specified analysis at the time of the analysis
normal operating conditions	means any operation of a particular process (including abatement equipment) excluding start-up, shut-down and upset conditions, in relation to stack sampling or monitoring
NOx	means oxides of nitrogen
Periodic Quality Assurance Audits	means relative accuracy audits (RAA) and relative accuracy test audits (RATA) as described in US EPA Specification 16
Predictive Emissions Monitoring System (PEMS)	means software analyzers able to provide a reliable and real-time estimation of emission properties by means of a model, using process values (temperature, flow, pressure) as input variables
premises	refers to the premises to which this licence applies, as specified at the front of this licence and as shown on the premises map (Figure 1) in Schedule 1 to this licence
prescribed premises	has the same meaning given to that term under the EP Act
quarterly period	means a three month period commencing on either 1 January, 1 April, 1 July or 1 October
Reduced Continual Compliance PEMS initial certification test	means a 3-run, 3-load (one run at three loads) relative accuracy test performed in accordance with the methods described in US EPA Specification 16
Schedule 1	means Schedule 1 of this Licence unless otherwise stated
Schedule 2	means Schedule 2 of this Licence unless otherwise stated
shut-down	means the period when plant or equipment is brought from normal operating conditions to inactivity
stack test	means a discrete set of samples taken over a representative period at normal operating conditions
start-up	means the period when plant or equipment is brought from inactivity to normal operating conditions
STP dry	means standard temperature and pressure (0^{o}Celsius and 101.325 kilopascals respectively), dry
thermal electricity generation	means electricity that can be used on demand and dispatched at the request of power grid operators, according to market needs

Term	Definition
USEPA	means United States (of America) Environmental Protection Agency
USEPA Method 7E	means the *Test Method 7E - Determination of Nitrogen Oxide Emissions from Stationary Sources*
USEPA Method 10	means the *Test Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources*
USEPA Performance Specification 16	means the *Performance Specification 16 - Specifications and test procedures for Predictive Emission Monitoring Systems in stationary sources*
waste	has the same meaning given to that term under the EP Act.

END OF CONDITIONS

Schedule 1: Maps

Premises map

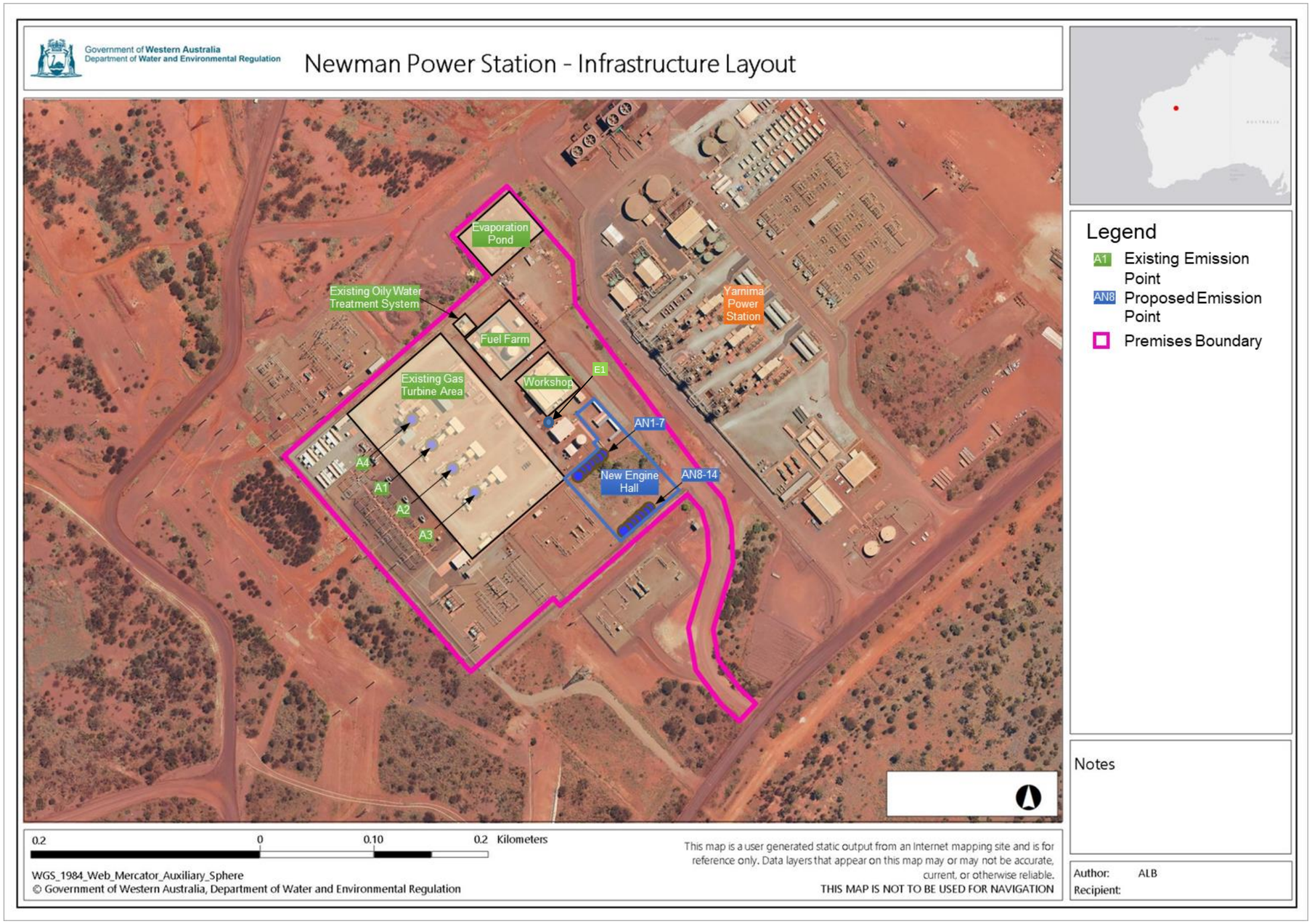

Figure 1: Map of the boundary of the prescribed premises

Internal layout plan

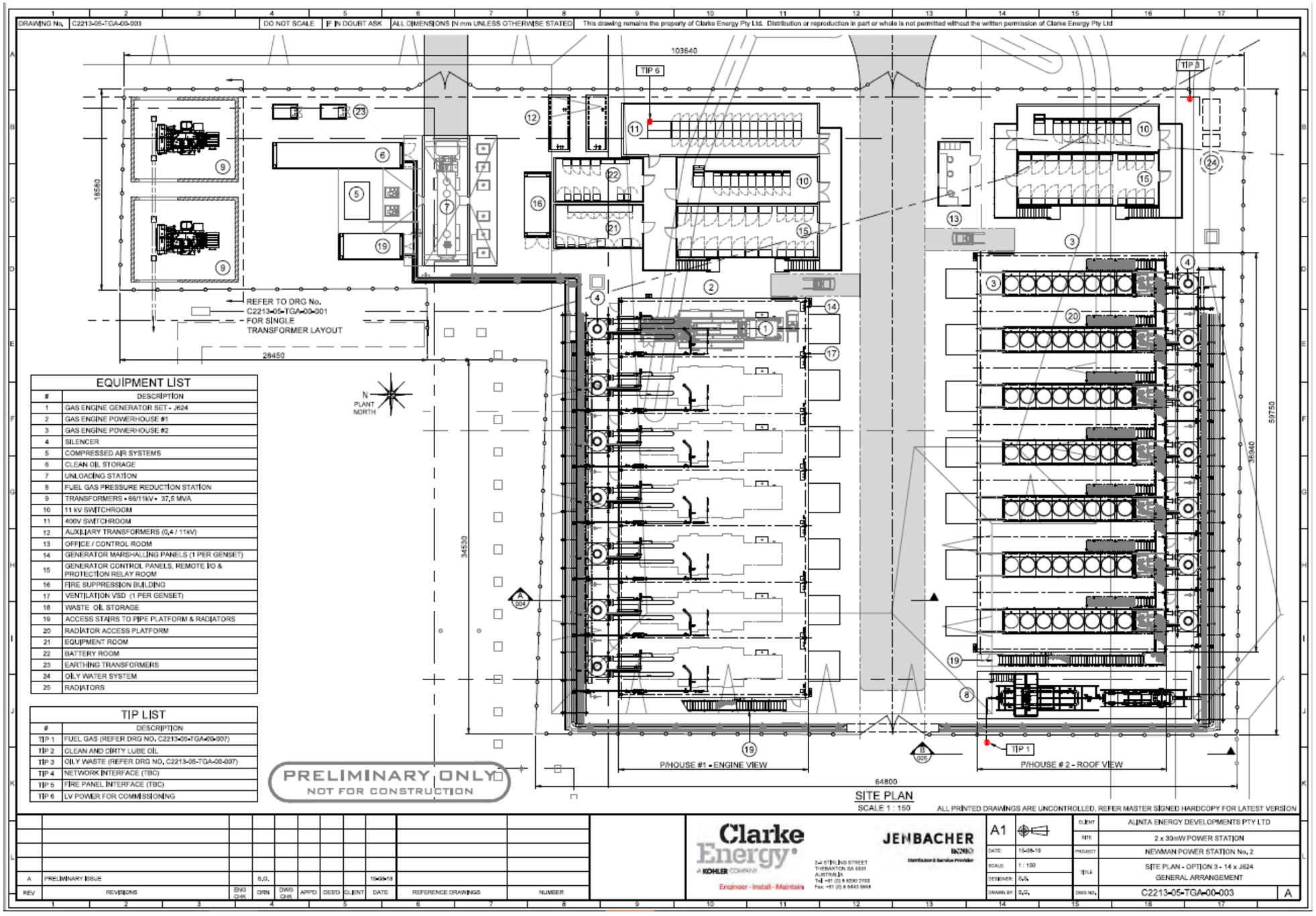

Figure 2: Engine halls internal layout plan

Location Plan

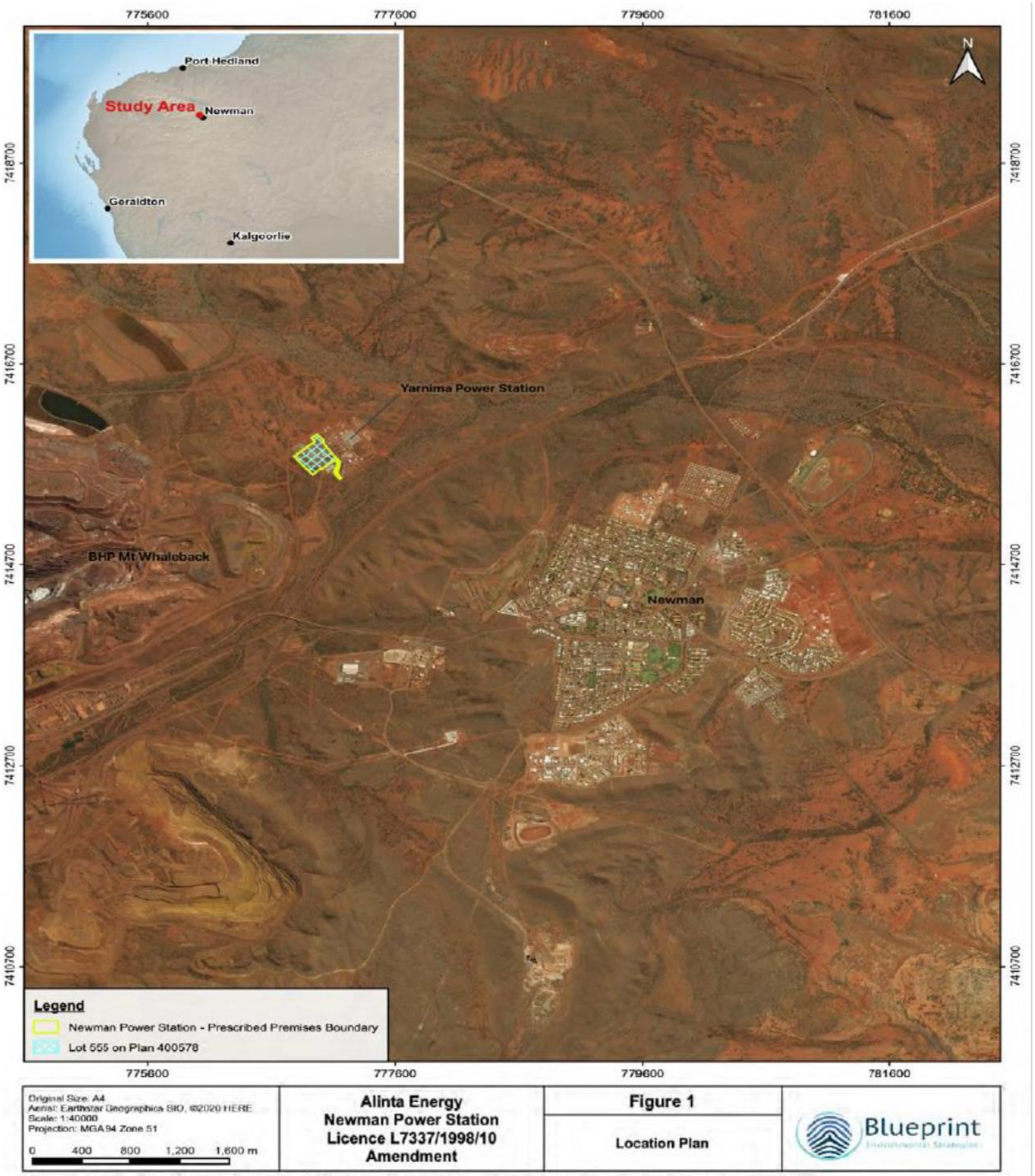

Figure 3: Location of Premises in Newman

Site layout plan

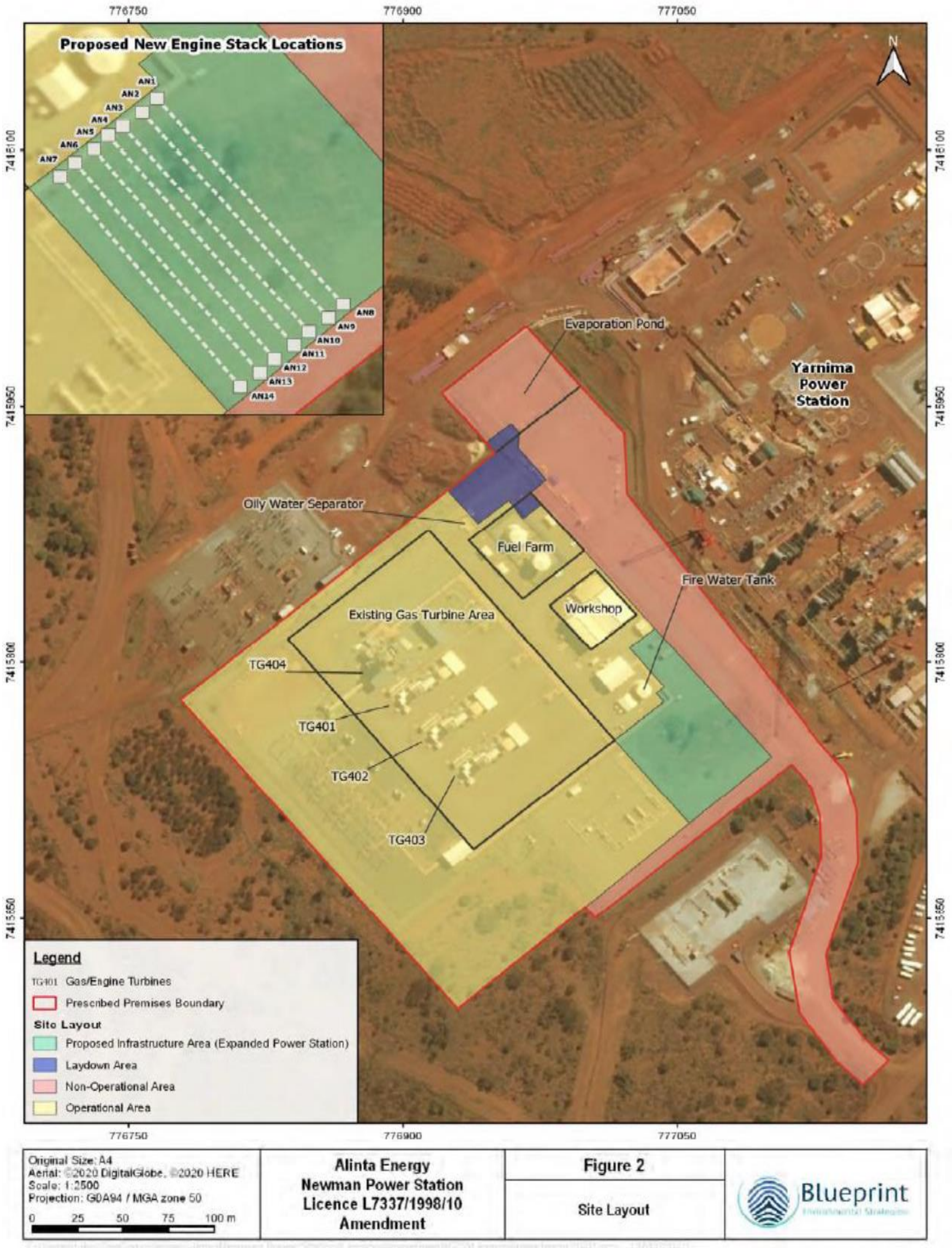

Figure 4: Premises layout plan

Premises co-ordinates

ID	Easting	Northing
1	777127.7	7415753.2
2	777141.9	7415736.3
3	777146.7	7415721.8
4	777148.3	7415712.9
5	777148.7	7415697.3
6	777149.1	7415683.1
7	777131.6	7415628.7
8	777135.6	7415603.1
9	777141.2	7415595.3
10	777152.5	7415579.7
11	777168.9	7415564.0
12	777155.2	7415547.6
13	777137.3	7415566.5
14	777131.8	7415574.1
15	777116.6	7415595.3
16	777113.9	7415612.3
17	777111.0	7415630.3
18	777121.9	7415663.8
19	777129.0	7415686.0
20	777128.7	7415697.7
21	777128.4	7415709.9
22	777126.3	7415717.3
23	777123.8	7415726.8
24	777112.4	7415740.4
25	777060.9	7415697.4
26	777020.4	7415663.5
27	777004.9	7415650.5
28	776934.3	7415590.4
29	776892.3	7415642.3
30	776860.5	7415680.2
31	776778.5	7415778.1
32	776950.4	7415922.6
33	776920.9	7415957.9
34	776967.4	7415997.1
35	777020.9	7415934.0
36	777022.4	7415899.0
37	777127.7	7415753.2

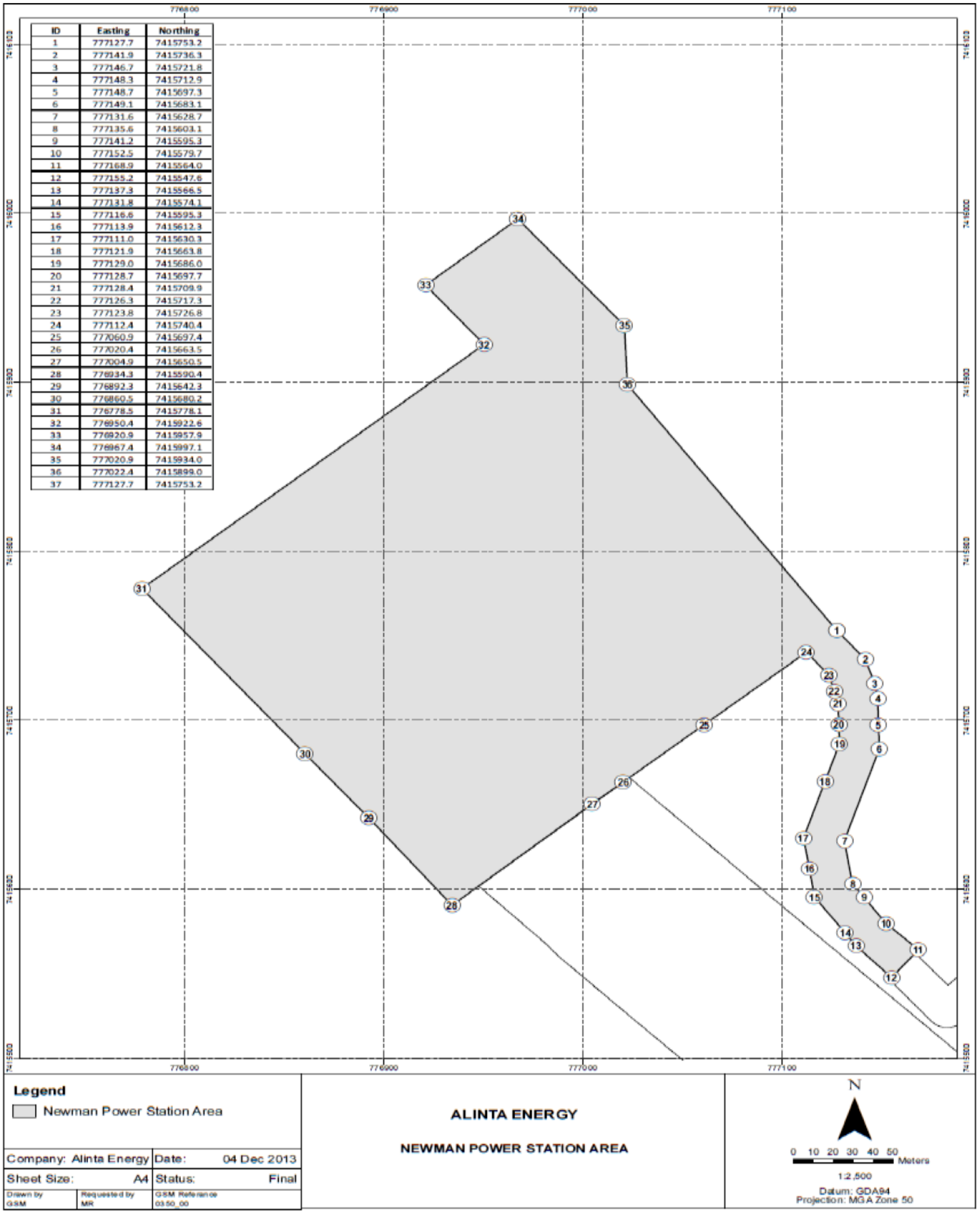

Figure 5: Boundary co-ordinate

Appendix A : Premises Boundary

The premises boundary is defined by the coordinates in Table 16.

Table 16: Premises boundary coordinates

Ref ID	Easting	Northing
1	777127.7	7415753.2
2	777141.9	7415736.3
3	777146.7	7415721.8
4	777148.3	7415712.9
5	777148.7	7415697.3
6	777149.1	7415683.1
7	777131.6	7415628.7
8	777135.6	7415603.1
9	777141.2	7415595.3
10	777152.5	7415579.7
11	777168.9	7415564.0
12	777155.2	7415547.6
13	777137.3	7415566.5
14	777131.8	7415574.1
15	777116.6	7415595.3
16	777113.9	7415612.3
17	777111.0	7415630.3
18	777121.9	7415663.8
19	777129.0	7415686.0
20	777128.7	7415697.7
21	777128.4	7415709.9
22	777126.3	7415717.3
23	777123.8	7415726.8
24	777112.4	7415740.4
25	777060.9	7415697.4
26	777020.4	7415663.5
27	777004.9	7415650.5
28	776934.3	7415590.4
29	776892.3	7415642.3
30	776860.5	7415680.2
31	776778.5	7415778.1
32	776950.4	7415922.6
33	776920.9	7415957.9
34	776967.4	7415997.1
35	777020.9	7415934.0
36	777022.4	7415899.0
37	777127.7	7415753.2