



Licence No. 13006

ISSUED:

01 Jan 2015

EXPIRY:

31 Dec 2019

ACN:

**FLINDERS POWER HOLDINGS
GMBH, FLINDERS LABUAN (NO
1) LTD, FLINDERS LABUAN (NO
2) LTD**

Northern Power Station and Playford Power Station,
Power Station Road, PORT AUGUSTA SA 5700

Environmental Authorisation
under Part 6 of the
*Environment Protection
Act 1993*

**South Australian
Environment
Protection Authority**
GPO Box 2607
Adelaide SA 5001
Tel: 08 8204 2004

EPA

Environment Protection Authority

LICENCE NUMBER: 13006

LICENSEE DETAILS

Licence Holder: FLINDERS POWER HOLDINGS GMBH, FLINDERS LABUAN (NO 1) LTD, FLINDERS LABUAN (NO 2) LTD

Premises Address(es): Northern Power Station and Playford Power Station, Power Station Road, PORT AUGUSTA SA 5700

LICENSED ACTIVITIES

The Licensee is authorised to undertake, at the location(s) shown above, the following prescribed activities of environmental significance under Schedule 1 Part A of the Act, subject to the conditions in this Licence set out below:

1(5)(a)	Petroleum storage
2(1)	Abrasive blasting
7(3)(c)	Crushing, grinding or milling works (rock, ores or minerals)
7(5)	Coal handling and storage
8(2)(a)	Fuel burning coal or wood
8(7)	Discharges to marine or inland waters (heat, or antibiotic or chemical water treatments)—
8(6a)(a)	Desalination plant that discharges wastewater to the marine environment

TERMS OF LICENCE

Commencement Date: 01 Jan 2015

Expiry Date: 31 Dec 2019

Amended Date: 18 Apr 2016

Table of Contents

What is an EPA licence?	5
What is the purpose of a licence?.....	5
Compliance with the licence	5
Incident notification	5
Responsibilities under Environment Protection Legislation	5
Public Register Information.....	5
Definitions	6
Acronyms.....	6
Conditions of Licence	7
Attachments.....	13

What is an EPA licence?

The EPA imposes conditions through a licence to regulate activities that have the potential to harm the environment. Any person or company undertaking these types of activities may need an EPA licence, as required by the [Environment Protection Act 1993](#). The term of a licence is generally five years, but can vary from one to 10 years based on the EPA's assessment of the risk or duration of the activity.

What is the purpose of a licence?

A licence is an enforceable agreement between the EPA and the licensee that sets out the minimum acceptable environmental standards to which the licensee must perform. We consider how high the environmental risk is likely to be from the licensed activities, when setting conditions of the licence. Subsequently, environmental licences are unique and may be developed to focus on any or all of the following objectives:

- documentation of the requirements of a licensee under existing regulations
- facilitating the attainment of environmental performance standards of the licensee
- facilitating the alignment of the behaviour of the licensee with the core environmental objectives required under the *Environment Protection Act 1993* and related policies

The Act also requires that all reasonable and practical measures are taken to protect, restore and enhance the quality of the environment, including requiring persons engaged in polluting activities to progressively make environmental improvements. This will affect how the minimum acceptable standards are determined and reflected in licences.

Compliance with the licence

It is serious offence to breach an EPA licence and could result in a maximum fine of \$120,000 for bodies corporate. It is also an offence to provide false or misleading information and can result in a maximum fine of \$60,000 for bodies corporate.

The EPA also uses a number of enforcement tools to manage non compliance with licence conditions in accordance with the [Compliance and Enforcement Guideline](#). The EPA can vary the conditions of this licence in accordance with section 45 of the Act. This licence can be suspended, cancelled or surrendered during the term of the licence in accordance with sections 55 and 56 of the Act.

Incident notification

The Licensee must report to the EPA (on EPA emergency phone number 1800 100 833) all incidents causing or threatening serious or material environmental harm, upon becoming aware of the incident, in accordance with section 83 of the Act. In the event that the primary emergency phone number is out of order, the Licensee should phone (08) 8204 2004.

Responsibilities under Environment Protection Legislation

The Licensee must be aware of and comply with their obligations under;

- The *Environment Protection Act 1993*
- The *Environment Protection Regulations 2009*
- The Environment Protection Policies made under the *Environment Protection Act 1993*
- The requirements of any National Environment Protection Measure which operates as an Environment Protection Policy under the *Environment Protection Act 1993*

Public Register Information

The EPA maintains a Public Register that is available to the public. Information maintained includes issued Environmental Authorisations (Licences, Exemptions & Works Approvals), Emergency Authorisations and various submitted Applications. Should the conditions of an Environmental Authorisation require that the Holder submit a report or other information to the EPA, then that submitted information is made available on the Public Register subject to commercial confidentiality. Endorsed Public Register information may be available on the EPA website.

Definitions

Unless the contrary intention appears, terms used in this licence that are defined in the Act (including any regulations or environment protection policies made pursuant to the Act) have the respective meanings assigned to those terms by the Act.

THE ACT: The *Environment Protection Act 1993*

PREMISES: The whole of the land comprised in Titles Register - Certificate of Title, Crown Lease and Crown Record:

CT5843/691

CT5843/692

CT6134/241

CT6134/240

AUTHORISATION FEE PAYMENT DATE: means the anniversary of the grant or renewal of this authorisation.

EMERGENCY SPILL KIT: means a kit containing materials that when used would prevent and/or minimise listed waste from entering the stormwater or groundwater system in the event of a spill.

ENVIRONMENTAL HARM: means the same as is defined in section 5 of the Environment Protection Act 1993.

POLLUTION CONTROL EQUIPMENT: means 'control equipment' as defined in the Environment Protection (Air Quality) Policy: any device that controls, limits, measures, records or indicates air pollution.

WASTE: As defined under the Environment Protection Act 1993, Waste means -

(a) any discarded, rejected, abandoned, unwanted or surplus matter, whether or not intended for sale or for recycling, reprocessing, recovery or purification by a separate operation from that which produced the matter; or

(b) anything declared by regulation (after consultation under section 5A) or by an environment protection policy to be a waste, whether of value or not.

Acronyms

EPA: means Environment Protection Authority

STP: means standard temperature and pressure (zero degrees Celsius and 101.3 kiloPascals absolute).

TSP: means Total Suspended Particles.

Conditions of Licence

The Licensee is authorised to conduct the prescribed activities as described in this Licence at the Premises nominated, subject to the following conditions:

1 CONTROL OF EMISSIONS

1.1 DUST PREVENTION (S - 9)

The Licensee must:

- 1.1.1 take all reasonable and practicable measures to prevent dust from leaving the Premises.
 - 1.1.2 develop a Dust Management Plan to the satisfaction of the EPA; and
 - 1.1.3 implement the Dust Management Plan approved in writing by the EPA (or any revised plan approved in writing by the EPA).
-

2 OPERATIONAL MANAGEMENT

2.1 BUNDING (T - 21)

The Licensee must ensure that any substances that by their nature or amount have the potential to cause environmental harm to surface water or groundwater including but not limited to:

- Used Lead Acid Batteries;
- Oils (including waste oils);
- Coolant;
- Fuels; and
- Lubricants,

are stored in an appropriately banded area.

2.1.1

NOTES

The EPA will assess the appropriateness of any bund against the EPA's 'Bunding and Spill Management' Guidelines.

2.2 COMPLAINTS REGISTER (S - 1)

The Licensee must:

- 2.2.1 prepare and maintain a register of all complaints concerning environmental issues;

- 2.2.2 ensure the register includes:
- a the date and time that the complaint was made; and
 - b details of the complaint including the likely cause of events giving rise to the complaint; and
 - c the contact details of the complainant (if permitted by the complainant); and
 - d details of any action taken in response to the complaint by the Licensee.

2.3 DEVELOP AND IMPLEMENT CLOSURE AND POST-CLOSURE PLAN (U - 251)

The Licensee must:

- 2.3.1 Prepare and submit to the EPA by 22 April 2016 a Closure and Post-Closure Plan (the Plan) to the satisfaction of the EPA, for the cessation of the activities undertaken pursuant to the Licence;
- 2.3.2 Ensure the Plan outlines actions, timeframes and milestones for all closure and post-closure activities in order to prevent or minimise environmental harm, including, but not limited to, the following specified requirements:
- a decommissioning of coal burning plant and equipment/prescribed electricity assets;
 - b decommissioning and decontamination of fuel and chemical storage areas;
 - c removal of fuels, oils, lubricants, chemical substances and waste from the site, including but not limited to materials within above and below ground storage tanks, storage areas, pipe lines, sumps, refuelling points, transfer points and other equipment;
 - d removal of coal from the coal stockpile area and other coal storage and handling areas, silos, bins, conveyors, mills and burners;
 - e decommissioning and rehabilitation of the ash dams;
 - f decommissioning and rehabilitation of the polishing pond including removal of cenospheres;
 - g surface water management, including minimisation of ponded stormwater, prevention of contamination of stormwater and discharge of waters offsite;
 - h removal of waste (including asbestos and scrap metal) from the site generated by decommissioning activities.
- 2.3.3 Ensure the Plan outlines actions to prevent or minimise off-site environmental impacts during the closure and post-closure phase, including when daily reclamation from the coal stockpile and decommissioning works are occurring.
- 2.3.4 Ensure the Plan includes a schedule for progress assessment and reporting to the EPA, including, as a minimum, quarterly reporting of the status of all requirements listed in paragraph 2.(a)-(h) of this condition.

- 2.3.5 Comply with the Plan (or any revised Plan approved in writing by the EPA) forthwith upon approval in writing by the EPA until all actions and milestones specified in paragraph 2.(a)-(h) of this condition, have occurred.

2.4 DRY ABRASIVE BLASTING (S - 60)

The Licensee must ensure:

- 2.4.1 that all dry abrasive blasting is undertaken within a blast chamber (subject to paragraph 2 below), that:
- a is appropriately sealed so that all blast material is contained; and
 - b incorporates pollution control equipment that is used during dry abrasive blasting to ensure that dust emissions are minimised; and
- 2.4.2 where it is not practicable to undertake dry abrasive blasting of an object or structure within a blast chamber due to the size and/or weight of the object or structure, ensure that:
- a all reasonable and practicable measures are taken (including use of an appropriately enclosed area) to ensure that dust emissions are minimised; and
 - b appropriate signs are in place warning that abrasive blasting is being conducted; and
 - c only silica-free abrasive is used; and
 - d all blast material is removed after blasting

NOTES

The EPA will assess the appropriateness of any blast chamber against the EPA's "Abrasive Blast Cleaning Guidelines".

The EPA will assess the appropriateness of any blast chamber against the EPA's 'Abrasive Blast Cleaning Guidelines'.

2.5 EMERGENCY SPILL KIT (S - 21)

The Licensee must ensure that an appropriate emergency spill kit is kept on the Premises at all times and is used in the event of a spill.

2.6 GENERIC CONTINGENCY PLAN (S - 120)

The Licensee must prepare an appropriate contingency plan for the Premises to address any spillages, equipment or plant failure that has the potential to increase the risk of harm to the environment.

2.7 POLLUTION CONTROL EQUIPMENT REGISTER (S - 2)

The Licensee must:

- 2.7.1 maintain all pollution control equipment to ensure that pollution is minimised; and
- 2.7.2 keep a written record of all inspections of pollution control equipment, which includes:
 - a the name of the recording officer; and
 - b the date of each inspection of the equipment; and
 - c details of the equipment that was inspected; and
 - d an assessment of whether the equipment was working effectively; and
 - e the action taken (if required) to rectify any faults or failures.

3 MONITORING AND REPORTING

3.1 AMBIENT MONITORING AND REPORTING (U - 124)

The Licensee must:

- 3.1.1 continuously monitor ambient sulphur dioxide and ambient nitrogen dioxide at a location (or locations) within the Port Augusta township approved in writing by the EPA;
- 3.1.2 monitor ambient particulate concentrations (TSP and PM10) one day in six at a location (or locations) within the Port Augusta township approved in writing by the EPA;
- 3.1.3 undertake an investigation to determine the source of any exceedence(s), and provide to the EPA the outcomes of the investigation if following levels are exceeded at any monitoring location(s):
 - a Sulphur dioxide: 571 micrograms per cubic metre (determined as a one hour average);
 - b Nitrogen Dioxide: 246 micrograms per cubic metre (determined as a one hour average); and
 - c Particles (PM10): 50 micrograms per cubic metre (determined as a 24 hour average); and
- 3.1.4 notify the EPA within seven days of any sulphur dioxide exceedence, as measured at the monitoring location(s) referred to in sub-condition 1; and
- 3.1.5 submit to the EPA on a monthly basis a summary of monitoring results for ambient particles (TSP and PM10), ambient nitrogen dioxide and ambient sulphur dioxide.

3.2 COOLING WATER MONITORING AND REPORTING (U - 125)

The Licensee must:

- 3.2.1 continuously monitor the temperature rise of cooling water across all operating units at the condensers;

- 3.2.2 ensure that the average weekly temperature rise across all operating units measured at the condensers under normal operating conditions with two pumps operating does not exceed eight degrees Celsius; and
- 3.2.3 submit to the EPA on a monthly basis a written summary of monitoring results for cooling water discharged to the marine environment.

3.3 STACK EMISSIONS MONITORING AND REPORTING (U - 126)

The Licensee must:

- 3.3.1 Continuously monitor exhaust gasses emitted from the Northern Power Station for oxides of nitrogen, sulphur dioxide and particles; and
- 3.3.2 submit to the EPA on a monthly basis a written summary of levels of oxides of nitrogen, sulphur dioxide and particles emitted from the Northern Power Station which contains:
 - a the average oxides of nitrogen concentration in milligrams per cubic metre at STP, dry basis, referenced to an oxygen content of 7% by volume for each one hour period;
 - b the average oxides of nitrogen mass emission rate in grams per second for each one hour period;
 - c the average sulphur dioxide concentration in milligrams per cubic metre at STP, dry basis, for each one hour period;
 - d the average sulphur dioxide mass emission rate in grams per second for each one hour period;
 - e the average particle concentration in milligrams per cubic metre at STP, dry basis, referenced to a carbon dioxide oxygen content of 12% by volume for each one hour period; and
 - f the particle mass emission rate in grams per second for each one hour period; and
- 3.3.3 submit the emission summary reports for the above pollutants to the EPA in electronic form.

NOTES

The Authority's preferred format is a Microsoft Excel spreadsheet.

4 ADMINISTRATION

4.1 ANNUAL RETURN AND PAYMENT OF ANNUAL FEES (A - 4)

For the purposes of section 48(2)(a) of the Act, the date in each year for the lodgement of the Annual Return is no later than 90 days before the anniversary of the grant or renewal of the Licence; and

- 4.1.1 For the purposes of section 48(2)(b) of the Act, the date in each year for the payment of Annual Authorisation Fee is the anniversary of the grant of the Licence.

4.2 APPROVAL OF OPERATING PROCESSES (A - 6)

The Licensee must not undertake changes to operating processes conducted pursuant to the Licence at the Premises without written approval from the EPA, where such changes:

- 4.2.1 have the potential to increase emissions or alter the nature of pollutants or waste currently generated by, or from the licensed activity; or
- 4.2.2 have the potential to increase the risk of environmental harm; or
- 4.2.3 would relocate the point of discharge of pollution or waste at the Premises.

4.3 APPROVAL OF WORKS (A - 5)

The Licensee must not construct or alter a building or structure, or install or alter any plant or equipment, for use of an activity undertaken pursuant to the Licence at the Premises without written approval from the EPA, where such changes:

- 4.3.1 have the potential to increase the emissions or alter the nature of pollutants or waste currently generated by, or from the licensed activity; or
- 4.3.2 have the potential to increase the risk of environmental harm; or
- 4.3.3 would relocate the point of discharge of pollution or waste at the Premises.

4.4 CHANGE OF LICENSEE DETAILS (A - 3)

If the Licensee's name or postal address (or both) changes, the Licensee must inform the EPA within 28 days of the change occurring.

4.5 IMPOSE OR VARY CONDITIONS (U - 127)

The EPA may during the term of the Licence, pursuant to section 45(3)(b)(iii) of the Act, impose or vary conditions on the basis of testing results provided to the EPA pursuant to conditions U-124 (Ambient Monitoring and Reporting), U-125 (Cooling Water Monitoring and Reporting) and U-126 (Stack Emissions Monitoring and Reporting) of this licence, if it is determined by the EPA that the Northern Power Station is the source of the emissions leading to any exceedences.

4.6 LICENCE RENEWAL (A - 2)

For the purposes of section 43(3) of the Act, an application for Renewal of the Licence must be made no later than 90 days before the expiry date of the Licence.

4.7 OBLIGATIONS TO EMPLOYEES, AGENTS AND CONTRACTORS (A - 1)

The Licensee must ensure that every employee, agent or contractor responsible for undertaking any activity regulated by the Licence, is informed as to the conditions of the Licence.

Attachments

There are no documents attached to this licence.