



Licence No. 775

NYRSTAR PORT PIRIE PTY LTD

ISSUED:

01 Jul 2023

EXPIRY:

30 Jun 2028

ACN:

008 046 428

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 775

LICENSEE DETAILS

Licence Holder: NYRSTAR PORT PIRIE PTY LTD
ACN: 008 046 428
Registered Address: Risdon Road, LUTANA TAS 7009

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.

1(1)	Chemical storage and warehousing facilities
1(2)(a)(i)	Chemical works (inorganic)
2(5)	Concrete batching works
2(7)	Ferrous and non-ferrous metal melting works
2(8)	Metallurgical works
3(2)(b)	Scrap metal treatment works
3(2)(e)	Any other waste reprocessing facility
3(3)(a)	Landfill Depot
3(5)(a)	Activity producing listed waste
7(1)	Bulk shipping facilities
7(3)(c)	Crushing, grinding or milling works (rock, ores or minerals)
8(2)(a)	Fuel burning coal or wood
8(2)(a)	Fuel burning not coal or wood
8(6a)(a)	Desalination plant that discharges wastewater to the marine environment
8(7)	Discharges to marine or inland waters

TERMS OF LICENCE

Commencement Date: 01 Jul 2023
Expiry Date: 30 Jun 2028

PREMISES ADDRESS

Ellen Street Ellen Street, PORT PIRIE SA
5540

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Licence Explanatory Notes – Do Not Form Part of the Licence

Compliance with this licence

The EPA seeks to ensure that all reasonable and practicable measures are taken to protect, restore and enhance the quality of the environment according to the principles of ecologically sustainable development. To achieve this objective, the EPA uses a number of regulatory decision making principles and actions outlined in the 'Compliance and enforcement regulatory options and tools' document available on the EPA website.

Notification – serious or material environmental harm caused or threatened

If serious or material environmental harm from pollution is caused or threatened in the course of an activity, the licence holder must, as soon as reasonably practicable after becoming aware of the harm or threatened harm, notify the EPA (preferably on EPA emergency phone number 1800 100 833) of the harm or threatened harm, its nature, the circumstances in which it occurred and the action taken to deal with it in accordance with section 83 of the [Environment Protection Act 1993](#) (the Act). In the event that the primary emergency phone number is out of order, the licence holder should phone (08) 8204 2004.

Variations, transfers and surrender of a licence

The EPA may impose or vary the conditions of a licence by notice in writing to the licence holder in accordance with sections 45 and 46 of the Act. Public notice may be required where the variation of licence conditions results in a relaxation of the requirements imposed for the protection or restoration of the environment and results in an adverse effect on any adjoining land or its amenity.

If a licence holder wishes to vary the conditions of a licence, transfer a licence to another entity, or surrender a licence, the licence holder must submit an application to the EPA in accordance with the applicable provisions of the Act (sections 45, 49 and 56, respectively). A licence remains in effect and in its original form until such time as any proposed variation, application for surrender, or transfer has been made and approved in writing by the EPA.

Suspension or cancellation of a licence

The EPA may suspend or cancel a licence by notice in writing to the licence holder in accordance with section 55 of the Act if satisfied the licence holder has either obtained the licence improperly, contravened a requirement under the Act or if the holder is a body corporate, a director of the body corporate has been guilty of misconduct of a prescribed kind (whether in this State or elsewhere).

Responsibilities under Environment Protection legislation

In addition to the conditions of any licence, a licence holder must comply with their obligations under all State and Federal legislation (as amended from time to time) including: the [Environment Protection Act 1993](#); the [Environment Protection Regulations 2023](#); all Environment Protection Policies made under the [Environment Protection Act 1993](#); and any National Environment Protection Measures not operating as an Environment Protection Policy under the [Environment Protection Act 1993](#)

Public Register Information

The EPA maintains and makes available a Public Register of details related to its determinations and other information it considers appropriate (i.e. excluding trade processes or financial information) in accordance with section 109 of the Act. These details include, but are not limited to:

- licensing and beverage container applications and approvals
- enforcement actions
- site contamination
- serious or material environmental harm caused or threatened in the course of an activity
- environment improvement programmes and environment performance agreements
- environment assessment reports; results of testing, monitoring or evaluation required by a licence
- EPA advice or direction regarding development approvals referred to the EPA by a planning authority

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.

CT5372/307	CT5372/141
CT5832/215	CT6114/6
CT5861/76	CT6114/4
CT6114/1	CT6126/838
CT6167/720	CT6167/721
CT6167/720	CT6167/722
CT6186/365	CL6204/175

AS CONSTRUCTED REPORT: "AS CONSTRUCTED REPORT" means a documentation of work performance, Construction Quality Control (CQC) and Construction Quality Assurance (CQA) associated with a construction project.

ASBESTOS WASTE: means waste Asbestos-Containing Material (ACM) including all removed ACM, as well as disposable items used during asbestos removal work, such as plastic sheeting and disposable coveralls, respirators and cleaning rags.

ASBESTOS-CONTAINING MATERIAL: means any material, object, product or debris that contains asbestos.

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

COMMERCIAL AND INDUSTRIAL WASTE (GENERAL): means the solid component of the waste stream arising from commercial, industrial, government, public or domestic premises (not collected as Municipal Solid Waste), but does not contain Listed Waste, Hazardous Waste or Radioactive Waste.

COMMERCIAL AND INDUSTRIAL WASTE (LISTED): The solid component of the waste stream arising from commercial, industrial, government, public or domestic premises (not collected as Municipal Solid Waste), that contains or consists of Listed Waste.

CONSTRUCTION AND DEMOLITION WASTE (MIXED): means the solid component of the waste stream arising from the construction, demolition or refurbishment of buildings or infrastructure which contains some foreign material (as set out below), but does not contain Municipal Solid Waste, Commercial and Industrial Waste (General), Listed Waste, Hazardous Waste or Radioactive Waste. NOTES. C&D Waste is considered C&D (Mixed) waste if it contains significant foreign materials from construction and demolition activities that would render the load of waste no longer inert (as a guide, 5 to 25% maximum by volume per load). Foreign material includes green waste, plastics, electrical wiring, timber, paper, insulation, tins, packaging and other waste associated with construction or demolition of a building or other infrastructure. Foreign material must not be Municipal Solid Waste, Liquid, Listed, Hazardous or Radioactive Waste. Where waste from construction and demolition sites contains predominantly foreign materials or domestic waste, such as waste from household clean ups collected by commercial skip bins, this is Commercial and

Industrial Waste (General).

CONTAMINATED STORMWATER: is as defined in the Environment Protection (Water Quality) Policy 2015.

CONTROLLED WASTE: means any wastes of a category listed in Column 1 of the Table in Schedule 1 that has 1 or more characteristics listed in the Table in Schedule 2 of the Environment Protection (movement of Controlled Waste) Policy 2014.

DESTINATION FACILITY: 'Destination Facility' in relation to a consignment of controlled waste means the depot, facility or works to which the waste is, or is to be delivered under the consignment.

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.

LISTED WASTE: means wastes listed in Part B of Schedule 1 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.

STORMWATER: is as defined in the Environment Protection (Water Quality) Policy 2015.

SURFACE WATERS: is as defined in the Environment Protection (Water Quality) Policy 2015.

TSP LEAD: means total suspended particulate lead.

WASTE: means -

1. As defined under the Environment Protection Act 1993,

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

1(b) any matter declared by regulation to be waste for the purposes of this Act (following consultation by the Minister on the regulation with prescribed bodies in accordance with the regulations); or

1(c) any matter declared by an environment protection policy to be waste for the purposes of this Act,

whether or not of value.

2. However, waste does not include—

2(a) an approved recovered resource whilst it is being dealt with in accordance with the declaration of that resource—see section 4A; or

2(b) anything declared by regulation or an environment protection policy not to be waste for the purposes of this Act,

even though the resource or the thing so declared might otherwise, but for the declaration, fall within the definition of waste in subsection (1).

Acronyms

EPA: means Environment Protection Authority

AS: means Australian Standard.

BATEA: means Best Available Technology Economically Achievable

EIP: means Environment Improvement Programme.

NZS: means New Zealand Standard

WTC: means Waste Transport Certificate.

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 TSP LEAD IN AIR 12 MONTH ROLLING AVERAGE - LIMITS (U - 1614)

The Licensee must not exceed the 12-month rolling average TSP Lead in Air Limits as specified in Attachment A "LIMITS FOR TSP LEAD IN AIR (BASED ON 12 MONTH ROLLING AVERAGE)" attached to this Licence, based on daily measurements of TSP Lead in Air at the Licensee's Oliver St and Pirie West Primary School Monitoring Stations in accordance with conditions of this Licence, as calculated at each date specified in Attachment A for the preceding 12-month averaging period.

1.2 TSP LEAD IN AIR 12 MONTH ROLLING AVERAGE - TARGETS (U - 1615)

The Licensee must:

- 1.2.1 take all reasonable and practicable measures to not exceed the 12-month rolling average TSP Lead in Air Targets specified in Attachment B "TARGETS FOR TSP LEAD IN AIR (BASED ON 12 MONTH ROLLING AVERAGE)" attached to this Licence, based on daily measurements of TSP Lead in Air at the Licensee's Ellen St and Boat Ramp Monitoring Stations in accordance with conditions of this Licence, as calculated at each date specified in Attachment B for the preceding 12-month averaging period.
- 1.2.2 where a 12-month rolling average TSP Lead in Air Target is exceeded:
 - a provide public notification, and notification to the EPA, within 72 hours of the laboratory confirmation of the target exceedance; and
 - b provide a summary report to the EPA within 5 business days of the laboratory confirmation of the target exceedance, detailing:
 - i the measured TSP Lead in Air over the preceding 12-month averaging period;
 - ii details of any identified reason(s) for the exceedance; and
 - iii details of any remedial action to be implemented to reduce the risk of future occurrences of the Target being exceeded.

1.3 TSP LEAD IN AIR 3 MONTH ROLLING AVERAGE - TARGETS (U - 1616)

The Licensee must:

- 1.3.1 take all reasonable and practicable measures to not exceed the 3-month rolling average TSP Lead in Air Targets as specified in Attachment C “TARGETS FOR TSP LEAD IN AIR (BASED ON 3 MONTH ROLLING AVERAGE)” attached to this Licence, based on daily measurements of TSP Lead in Air at the licensee's Oliver St, Pirie West Primary School, Ellen St and Boat Ramp Monitoring Stations in accordance with conditions of this Licence, as calculated at each date specified in Attachment C for the preceding 3-month averaging period.
- 1.3.2 where a 3-month rolling average TSP Lead in Air Target is exceeded:
 - a provide public notification, and notification to the EPA within 72 hours of the laboratory confirmation of the target exceedance; and
 - b provide a summary report to the EPA within 5 business days of the laboratory confirmation of the target exceedance, detailing:
 - i the measured TSP Lead in Air over the preceding 3-month averaging period;
 - ii details of any identified reason(s) for the exceedance; and
 - iii details of any remedial action to be implemented to reduce the risk of future occurrences of the Target being exceeded.

1.4 DUST MANAGEMENT PLAN (U - 1617)

The Licensee must:

- 1.4.1 implement the document “Nyrstar Port Pirie Dust Management Plan” dated April 2022 (the DMP) and approved by the EPA on 17 May 2022 (or any revised DMP approved by the EPA);
- 1.4.2 in accordance with the approved DMP, ensure that the Trigger Action Response Plan(s) (TARPs) referred to in the DMP are implemented;
- 1.4.3 in accordance with the approved DMP, ensure that the DMP and the most recent quarterly and annual reports are made available to the public;
- 1.4.4 submit a quarterly report to the EPA by the last day of January, April and October of each year for the preceding quarter that includes but need not be limited to:
 - a a summary of dust management performance including comparison of each quarter with the same quarter of the previous two years;
 - b a review of the effectiveness of all action and response strategies implemented during the preceding quarter;
 - c a summary of dust related complaints received and recorded by the Licensee pursuant to condition S-1 of this Licence, including details of any action taken by the Licensee in response to the complaint;

- 1.4.5 submit an annual report to the EPA by the last day of August of each year that includes but need not be limited to:
- a a trend analysis of data collected for the preceding 12-month period; and
 - b a review of the scope and operation of the strategies outlined in the DMP, including identified opportunities for improvement in dust management at the Premises.

1.5 IMPLEMENT THE ENVIRONMENT IMPROVEMENT PROGRAMME NYRSTAR (U - 1514)

The Licensee must implement and comply with the EIP entitled 'Environment Improvement Program' dated August 2022 and approved by the EPA on 29 August 2022.

1.6 ENVIRONMENT IMPROVEMENT PROGRAMME (EIP) (U - 1618)

The Licensee must:

- 1.6.1 develop and submit an EIP to the EPA for its assessment by the compliance date listed below;
- 1.6.2 undertake public consultation in the course of developing the EIP;

- 1.6.3 ensure that the EIP includes, but need not be limited to:
- a a summary of the results of public consultation undertaken in the course of developing the EIP;
 - b details of actions, timeframes and milestones to be undertaken and set to reduce lead emissions, supported by a whole of Premises emissions inventory, to achieve the 12-month average TSP Lead in Air goals specified in Attachment E "ANNUAL LICENCE TSP LEAD IN AIR GOALS", based on daily measurements of TSP Lead in Air at the Licensee's Pirie West Primary School and Oliver St Monitoring Stations, as calculated at each date for the preceding 12 month averaging period, including a goal of 0.25 µg/m³ by 30 June 2028;
 - c details of actions, timeframes and milestones to be undertaken and set to minimise lead emissions (including fugitive emissions) from the Premises, having regard to the document 'Nyrstar 5+ year Lead in Air Plan' dated 01 March 2023;
 - d details of the actions, timeframes and milestones to be undertaken and set as part of a structured program of inspection, maintenance and management to reduce the risk of further release of process solutions to the subsurface of the Premises (excluding the Wharf Area) in accordance with Table 11.8 of Site Contamination Audit Report (Restricted Scope) (EPA Ref. No. 61347), dated 31 March 2022;
 - e details of actions, timeframes and milestones to be undertaken and set to prevent or minimise environmental harm attributable to emissions or discharges of Mercury or Mercury compounds from the Premises;
 - f details of actions, timeframes and milestones to be undertaken and set to prevent or minimise environmental harm attributable to legacy plant, equipment and waste at the Premises;
 - g a methodology and framework to assess and demonstrate the effectiveness of the actions to reduce emissions, including dust deposition and progress towards achieving the TSP Lead in Air goals pursuant to clause (b) of this condition;
 - h a methodology and framework for reporting to the EPA, including frequency, to demonstrate progress and completion of EIP actions;
 - i a methodology and framework for the review and revision of the EIP and actions, timeframes and milestones based on an analysis of emissions monitoring and management of pollutant discharges and emissions; and
 - j a methodology and framework for providing public access to the EIP, and to reporting;
- 1.6.4 if the submitted EIP is not acceptable to the EPA, resubmit a revised version (incorporating any additions or alterations that are required by the EPA) within 30 days of being advised in writing by the EPA; and
- 1.6.5 implement the EIP once approved in writing by the EPA (or any revised EIP approved by the EPA).

Compliance Date: 20-Dec-2023

1.7 WASTEWATER IMPROVEMENT PLAN (U - 1623)

The Licensee must:

- 1.7.1 develop and submit to the EPA for its assessment by the compliance date listed below, a Wastewater Improvement Plan;
- 1.7.2 ensure that the Wastewater Improvement Plan includes but need not be limited to:
 - a reference to the findings of wastewater investigations undertaken by the Licensee to:
 - i identify sources, concentrations and loads of metals leaving the Premises, including but need not be limited to: Arsenic, Cadmium, Copper, Mercury, Lead, Nickel, Selenium and Zinc;
 - ii identify pathways and volumes of wastewater, stormwater and contaminated stormwater generated on and leaving the Premises;
 - b identification of options to prevent, reduce and/or minimise the concentrations and loads of metals leaving the Premises, including a BATEA assessment of each option;
 - c actions, timeframes and milestones to fully implement preferred options to prevent, reduce and/or minimise the concentrations and loads of metals leaving the Premises;
 - d a methodology and framework for reporting to the EPA, including frequency, to demonstrate progress and completion of the implementation of the preferred options;
 - e a methodology and framework for providing public access to the Wastewater Improvement Plan;
- 1.7.3 if the submitted Wastewater Improvement Plan is not acceptable to the EPA, resubmit a revised version (incorporating any additions or alterations that are required by the EPA) within 30 days of being advised in writing by the EPA; and
- 1.7.4 implement the Wastewater Improvement Plan once approved in writing by the EPA (or any revised Wastewater Improvement Plan approved by the EPA).

Compliance Date: 29-Nov-2024

1.8 COMPLY WITH APPROVED DOCUMENT (U - 842)

The Licensee must implement and comply with the approved Nyrstar Port Pirie Pty Ltd document entitled 'Nyrstar Port Pirie Redevelopment Project Commissioning Strategy – Revised Report document dated 10 August 2017' or any revised Strategy approved in writing by the EPA.

1.9 LEAD-BEARING STOCKPILE MANAGEMENT PLAN (U - 1624)

The Licensee must:

- 1.9.1 develop and submit to the EPA for its assessment, by the compliance date listed below, a Lead-Bearing Stockpile Management Plan;

- 1.9.2 ensure that the Lead-Bearing Stockpile Management Plan includes but need not be limited to:
- a a site plan prepared by a suitably qualified surveyor, identifying the locations of the stockpiles of lead-bearing materials at the Premises;
 - b a determination of volumes of each type of lead-bearing materials stockpiled at the Premises, prepared by a suitably qualified surveyor;
 - c a description of the material flow management practices at the Premises that relate to the stockpiled lead-bearing material, including the generation rates and the intended fate;
 - d details of actions, timeframes and milestones to be undertaken and set to reduce and where possible to eliminate open stockpiling of lead-bearing materials at the Premises, supported by a whole of Premises emissions inventory; and
- 1.9.3 if the submitted Lead-bearing Stockpile Management Plan is not acceptable to the EPA, resubmit a revised version (incorporating any additions or alterations that are required by the EPA) within 30 days of being advised in writing by the EPA;
- 1.9.4 implement the Lead-Bearing Stockpile Management Plan once approved in writing by the EPA (or any revised Lead-Bearing Stockpile Management Plan approved by the EPA).

Compliance Date: 28-Jun-2024

1.10 NOISE PREVENTION (S - 136)

The Licensee must take all reasonable and practicable measures to prevent noise from leaving the Premises.

1.11 ODOUR PREVENTION (S - 10)

The Licensee must take all reasonable and practicable measures to prevent odour from leaving the Premises.

1.12 STORMWATER (S - 15)

The Licensee must:

- 1.12.1 take all reasonable and practicable measures to prevent contamination of stormwater at the Premises; and
- 1.12.2 implement appropriate contingency measures to contain any contaminated stormwater at the Premises unless and until the contaminated stormwater is treated to remove the contamination, or is disposed of at an appropriately licensed facility.

2 WASTE MANAGEMENT

2.1 ASBESTOS WASTE MANAGEMENT (U - 845)

The licensee must:

- 2.1.1 manage Asbestos Waste in accordance with the Nyrstar Port Pirie Plan entitled 'Nyrstar Port Pirie Procedure: Asbestos and Synthetic Mineral Fibres Management Plan'; and
- 2.1.2 not dispose of Asbestos Waste within 2 metres of any final landfill surface at the Premises

2.2 DEVELOP LANDFILL CELL or STAGE CLOSURE PLAN (U - 1382)

The Licensee must:

- 2.2.1 no less than six months prior to closing a stage or landfill cell, submit a closure and post closure plan (the Plan) to the EPA for its assessment that sets out:
 - a the proposed capping materials, design and final contours of the stage or landfill cell;
 - b proposed timeframes for implementation of the plan;
 - c surface water and erosion management;
 - d leachate and groundwater management;
 - e landfill gas management;
 - f noise management;
 - g dust and mud management;
 - h odour management;
 - i landfill rehabilitation including vegetation establishment and maintenance;
- 2.2.2 if the submitted Plan is not acceptable to the EPA, resubmit a revised version of the Plan (incorporating any additions or alterations that are required by the EPA) within 30 days of being advised in writing by the EPA.

2.3 IMPLEMENT THE LANDFILL CELL or STAGE CLOSURE PLAN (U - 1383)

The licensee must implement and comply with the Landfill Cell or Stage Closure Plan approved in writing by the EPA (or any revised plan approved in writing by the EPA) required by condition U-1382 in accordance with its EPA approved requirements of the plan.

2.4 IMPLEMENT THE LANDFILL ENVIRONMENT MANAGEMENT PLAN NYRSTAR (U - 1361)

The licensee must implement and comply with the Landfill Environment Management Plan approved in writing by the EPA (or any revised plan approved in writing by the EPA) required by condition T-1057 in accordance with its EPA approved requirements of the plan.

2.5 LISTED WASTE AND/OR CONTROLLED WASTE PRODUCER (S - 166)

The Licensee must:

- 2.5.1 prior to the interstate transport of any waste specified in the Listed Waste attachment and/or Controlled Waste attachment to this licence, obtain a Consignment Authorisation from the relevant authority in the state or territory of destination of that waste;
- 2.5.2 ensure a WTC is generated for any waste specified in the Listed Waste and/or Controlled Waste attachments to this licence before that waste is transported to a Destination Facility in South Australia or interstate;
- 2.5.3 provide a copy or copies of the WTC to the transporter of the waste and the EPA; and
- 2.5.4 retain a copy of all manually generated WTC's for not less than 12 months.

2.6 PREMISES WASTE FIRE MANAGEMENT (U - 1488)

The Licensee must:

- 2.6.1 not cause or permit any waste to be burned at the Premises;
- 2.6.2 notify the EPA as soon as reasonably practicable after becoming aware of a waste fire at the Premises; and
- 2.6.3 within 72 hours of bringing the waste fire under control, provide a written report to the EPA setting out the following:
 - a date of the fire;
 - b approximate time of the fire;
 - c cause of the fire (if known);
 - d area of the Premises where the fire occurred;
 - e measures used to extinguish the fire and to manage any environmental impacts; and
 - f appropriate measures that will be taken to reduce the risk of further fire at the Premises.

2.7 WASTE PERMITTED TO BE DISPOSED (U - 1386)

The Licensee may only dispose the following wastes generated from onsite operations and/or demolition works which is (or will be) then disposed to the onsite general industrial waste landfill at the Premises:

- 2.7.1 Commercial and Industrial Waste (general)
- 2.7.2 Commercial and Industrial Waste (listed)
- 2.7.3 Construction and Demolition Waste (mixed)

2.8 WASTE PERMITTED TO BE DISPOSED (U - 1387)

The Licensee may only dispose of asbestos containing material generated from onsite demolition works which is (or will be) then disposed to the onsite asbestos landfill at the Premises.

2.9 WASTE PERMITTED TO BE RECEIVED (U - 1179)

The Licensee must only receive the following wastes for recovery at the Premises:

- 2.9.1 Lead Scrap Metals
- 2.9.2 Lead Oxide
- 2.9.3 Waste Zinc
- 2.9.4 Lead containing waste from Zinc smelters
- 2.9.5 Electric Arc Furnace (EAF) dust
- 2.9.6 Electric Arc Furnace (EAF) Baghouse dust
- 2.9.7 Zinc Oxide Fumes
- 2.9.8 Cathode Ray Tube (CRT) glass
- 2.9.9 Wastes from the processing of electronic wastes that contain metals
- 2.9.10 Gold Laboratory wastes including Lead Cupels and Slag
- 2.9.11 Precious metal refining wastes including electrolytic cell residue
- 2.9.12 Spent Carbon Fines
- 2.9.13 Spent catalyst, including Copper and Vanadium Pentoxide
- 2.9.14 Lead-bearing refractory materials
- 2.9.15 Garnet from grit-blasting
- 2.9.16 Copper dross, hydroxide and sludges
- 2.9.17 Electroplating Waste
- 2.9.18 Fly ash
- 2.9.19 Lead Chloride
- 2.9.20 Lead Contaminated Paint

- 2.9.21 Lead Contaminated Soils
- 2.9.22 Leaded Coke
- 2.9.23 Leaded Hydroxide
- 2.9.24 Zinc bearing slags from Lead smelters
- 2.9.25 Waste Alkaline Batteries

3 OPERATIONAL MANAGEMENT

3.1 BUNDING (U - 69)

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;

- Hydrocarbons; and
- Process chemicals

are stored in an appropriately bunded area.

NOTES

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

3.2 CHANGE OF A KIND PRE-TRIAL PLAN (U - 1184)

The Licensee must:

- 3.2.1 develop a Pre-Trial Plan when considering undertaking a trial for a change of a kind contemplated by conditions A5 or A6 of this Licence;

- 3.2.2 ensure any Pre-Trial Plan includes but is not limited to:
- a the objective(s) and anticipated outcomes of the trial;
 - b the details of the site plan for the trial at the Premises;
 - c a summary of the trial;
 - d the proposed duration of the trial, including the start and end date(s);
 - e an assessment of the processes, facilities and equipment to be included in the trial to demonstrate their suitability for the trial;
 - f monitoring and modelling to be undertaken during the trial;
 - g an assessment of the potential environmental risks of the trial;
 - h an assessment of any potential additional waste treatment required, any by-products and applicable disposal pathways;
 - i mitigation measures to minimise the risk of any environmental impacts, including contingency plans and triggers for when the trial would cease; and
 - j the details of the community engagement process to be undertaken to address public concerns about the trial.

3.3 CLEAN UP OF SPILLS (S - 218)

The Licensee must, as soon as practicable, cause any material spilt onto the wharf, dock, loading or work area to be removed and reused, or disposed of to an appropriately licensed facility.

NOTES

Material is as described in Clause 7(1) of Schedule 1 of the Environment Protection Act 1993.

3.4 COMMUNITY ENGAGEMENT PLAN (U - 860)

The Licensee must:

- 3.4.1 develop and implement a Community Engagement Plan in consultation with key stakeholders by 31 January 2019; and
- 3.4.2 provide public access to the Community Engagement Plan (and any subsequent amended version) once developed.

3.5 COMPLAINTS REGISTER (S - 1)

The Licensee must:

- 3.5.1 prepare and maintain a register of all complaints concerning environmental issues.

- 3.5.2 ensure the register includes:
- a the date and time that the complaint was made;
 - b details of the complaint including the likely cause of events giving rise to the complaint;
 - 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.

3.6 DESIGN AND CONSTRUCTION OF NEW CELLS (S - 155)

The Licensee must:

- 3.6.1 not construct any new landfill cell unless a design specification for that cell has been approved in writing by the EPA;
- 3.6.2 submit an "As Constructed Report" to the EPA following construction of any new landfill cell; and
- 3.6.3 not dispose of any waste within a new landfill cell unless an As Constructed Report for that cell has been approved in writing by the EPA.

3.7 DEVELOP A LANDFILL ENVIRONMENT MANAGEMENT PLAN (T - 1057)

The Licensee must:

- 3.7.1 develop and submit to the EPA by the compliance date listed below, a Landfill Environment Management Plan (LEMP), to the satisfaction of the EPA.
- 3.7.2 ensure that the LEMP includes, but is not limited to:
 - a Details of past, present and future waste disposal areas.
 - b Details of the management operations for the disposal areas identified.
 - c Storage and management of recyclable materials not destined for the landfill.
 - d Details of litter management.
 - e Details of vermin prevention management.
 - f Details of odour management from landfilling activity.

NOTES

Guidance on developing a LEMP that meets the standard acceptable to the EPA is provided within the EPA Guideline document entitled "Environmental management of landfill facilities (municipal solid waste and commercial and industrial general waste)", dated January 2007.

Compliance Date: 15-Nov-2021

3.8 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.

3.9 IMPLEMENT ANY PRE-TRIAL CHANGE OF A KIND PLAN (U - 1185)

The licensee must implement any Pre-Trial Change of a Kind Plan approved in writing by the EPA (or any revised plan approved in writing by the EPA) required by condition U-1184 in accordance with its EPA approved requirements of that plan.

3.10 LISTED WASTE AND/OR CONTROLLED WASTE DESTINATION FACILITY (S - 168)

The Licensee must:

- 3.10.1 ensure that a WTC is completed upon the receipt of any waste specified in the Listed Waste attachment and/or Controlled Waste attachment to this licence;
- 3.10.2 provide hard copies of the WTC to the EPA; and
- 3.10.3 retain hard copies of all completed WTC's for a period of not less than 12 months.

3.11 POLLUTION CONTROL EQUIPMENT REGISTER (S - 2)

The Licensee must:

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

3.12 POST-TRIAL REPORT FOR CHANGE OF A KIND (U - 1186)

The Licensee must:

- 3.12.1 within 30 days of completion of any trial undertaken in accordance with U-1185, provide a Post-Trial report to the satisfaction of the EPA that includes, but is not limited to:
- a whether the objective(s) and anticipated outcomes of the trial were met;
 - b the date(s) of the trial;
 - c a gap analysis comparing actual performance with the approved Pre-Trial plan;
 - d an assessment of the suitability and performance of the processes, facilities and the equipment during the Trial;
 - e an outline of any measure(s) implemented to mitigate any environmental impacts of the trial and the reason(s) for those measures; and
 - f the details of the outcomes of any community engagement during the trial.

3.13 SEDIMENTATION BASIN CLEANING (U - 858)

The licensee must ensure the cleaning of the Sedimentation Basin is undertaken in accordance with the 'Nyrstar Port Pirie Procedure: Sedimentation Basin Cleaning (Document Number PP-421-00023) or any revised Procedure.

3.14 SILO FILTER INSTALLATION (U - 1392)

The Licensee must ensure that an appropriate filter is installed on each Concrete Batching Plant silo so as to minimise dust emissions.

NOTES

The EPA will assess the appropriateness of the filter against the EPA's 'Concrete Batching' Guidelines

3.15 SILO OVERFILLING (U - 1391)

The Licensee must prevent the overfilling of the Concrete Batching Plant silos.

3.16 VEHICLE WASHING (S - 260)

The Licensee must:

- 3.16.1 only wash vehicles at the Premises within an area that directs all water to a wastewater management system;
- 3.16.2 direct vehicles loaded on the Premises to exit the Premises through an operating vehicle wash; and

3.16.3 ensure that dragout from all vehicles leaving the Premises is minimised.

4 MONITORING AND REPORTING

4.1 ENVIRONMENTAL REPORTING AND MONITORING PLAN (U - 1619)

The Licensee must:

- 4.1.1 develop and submit for the EPA's assessment, an Environmental Reporting and Monitoring Plan (ERMP) by the compliance date listed below, that includes but need not be limited to:
- a a surface water monitoring methodology, including sampling locations, frequency, analytes to be monitored and the criteria against which monitoring results will be assessed;
 - b a methodology for the daily measurement and monitoring of TSP Lead in Air at various locations within and outside the Premises in accordance with AS/NZS 3580.9.15:2014 and AS/NZS 3580.9.3:2015;
 - c a methodology for the measurement and monitoring of dust deposition at various locations outside the Premises;
 - d a methodology for the measurement and monitoring of ground level particulate concentrations (as PM10) and Sulphur Dioxide (SO₂) at various locations within the Premises and outside of the Premises, with methods and procedures in accordance with AS/NZS 3580.9.11:2016;
 - e a methodology and framework for the provision of public access to real-time PM10 and SO₂ monitoring data from monitoring stations located outside of the Premises;
 - f a methodology for providing public access within 72 hours where the following data are exceeded at monitoring stations located outside the Premises, including any known reasons, as follows:
 - i a ground level particulate concentration (as PM10) of 50 micrograms per cubic metre over a 24-hour averaging period;
 - ii a SO₂ concentration of 0.02 ppm over a 24-hour averaging period; or
 - iii a SO₂ concentration of 0.1 ppm over a 1-hour averaging period;
 - g methodology and procedures for the maintenance of NATA accreditation for the sampling and analysis of TSP Lead in Air and SO₂ undertaken in accordance with relevant Australian standards;
 - h methodology and procedures to be undertaken to ensure that the minimum data return for daily TSP Lead samples from the monitoring stations is not less than 90%;
 - i a methodology and framework for undertaking a trend analysis of data collected and a comparison with any target, limit, goal, wastewater discharge notification values, or SO₂ concentration specified within this condition or condition U-1614, U-1615, U-1616, U-1618 or U-1620 of this Licence;
 - j a methodology and framework for reporting to the EPA, including submission dates of monitoring and measurement results, including interpretation of results and a summary of exceedances recorded pursuant to clause (f) of this condition;
 - k a methodology and framework for the review of the ERMP as a result of any significant alteration or process change including those specified by conditions A -5 or A -6 of this Licence and those which may be subject to development assessment pursuant to the Planning Development and Infrastructure Act 2016; and for the provision of a report of such review to the EPA within a further 60 business days; and

- I a methodology and framework for the review of the scope and operation of the ERMP on an annual basis commencing on 30 June 2023;
- 4.1.2 if the submitted ERMP is not acceptable to the EPA, resubmit a revised version (incorporating any additions or alterations that are required by the EPA) within 30 days of being advised in writing by the EPA; and
- 4.1.3 implement the ERMP once approved in writing by the EPA (or any revised ERMP approved by the EPA).

Compliance Date: 07-Sep-2023

4.2 IMPLEMENT APPROVED DOCUMENTS (U - 1631)

The Licensee must implement the following approved documents:

- 4.2.1 Nyrstar Port Pirie Ground Level Particulate and Sulphur Dioxide Monitoring and Reporting Plan, dated April 2022, approved by the EPA on 17 May 2022 (or any revised Plan approved by the EPA);
- 4.2.2 Nyrstar Port Pirie Lead in Air Monitoring and Reporting Plan, dated April 2022, approved by the EPA on 17 May 2022 (or any revised Plan approved by the EPA); and
- 4.2.3 Environmental Monitoring and Reporting Program, first issued 19 May 2008 and updated 04 April 2022, approved by the EPA on 17 May 2022 (or any revised Plan approved by the EPA).

NOTES

Each document specified in this condition must be implemented by the Licensee until the EPA's approval of the Environmental Reporting and Monitoring Plan (U-1619).

4.3 WASTEWATER DISCHARGE MONITORING (U - 1195)

The Licensee must undertake representative daily monitoring of Wastewater from the Premises at the point of discharge located at the end of the Sedimentation Basin which must include measurement of the concentrations of the analytes specified in Attachment D "WASTEWATER DISCHARGE NOTIFICATION VALUES – 1M FLUME", and Wastewater pH monitoring at the Road Bridge Environment Monitoring Station.

4.4 WASTEWATER DISCHARGE NOTIFICATION VALUES– 1M FLUME (U - 1620)

Based on monitoring undertaken in accordance with condition U-1195, where the concentration of one or more of the analytes exceeds the Wastewater Discharge Notification Value specified in Attachment D "WASTEWATER DISCHARGE NOTIFICATION VALUES – 1M FLUME" the Licensee must:

- 4.4.1 provide public notification and notification to the EPA within 72 hours of the Wastewater Discharge Notification Value exceedance;

- 4.4.2 provide a summary report to the EPA within 28 days, that includes, but need not be limited to:
- a the date the Wastewater Discharge Notification Value was exceeded;
 - b the date the Wastewater Discharge Notification Value was no longer exceeded;
 - c the reasons for the Wastewater Discharge Notification Value being exceeded; and
 - d any remedial action to be implemented to mitigate future occurrences of the Wastewater Discharge Notification Value being exceeded.

5 ADMINISTRATION

5.1 IMPOSE OR VARY CONDITIONS (U - 1626)

Where any of the "ANNUAL LICENCE TSP LEAD IN AIR GOALS" specified in Attachment E to this Licence are not achieved, the EPA may, at any time, pursuant to Section 45(3)b(iii) of the Act, impose or vary a condition of this Licence, by notice in writing to the Licensee, to require review and/or amendment of an Environment Improvement Programme developed pursuant to Conditions U-1514 and U-1618 of this Licence.

5.2 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

- 5.2.1 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.

5.3 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:

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

5.4 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:

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

5.5 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.

5.6 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.

5.7 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

ATTACHMENT A – LIMITS FOR TSP LEAD IN AIR (BASED ON 12 MONTH ROLLING AVERAGE) – CONDITION (U-1614).pdf"

ATTACHMENT B – TARGETS FOR TSP LEAD IN AIR (BASED ON 12 MONTH ROLLING AVERAGE) – CONDITION (U-1615).pdf"

ATTACHMENT C – TARGETS FOR TSP LEAD IN AIR (BASED ON 3 MONTH ROLLING AVERAGE) – CONDITION(U-1616).pdf"

ATTACHMENT D – WASTE WATER DISCHARGE NOTIFICATION VALUES – 1M FLUME.pdf"

ATTACHMENT E - ANNUAL LICENCE TSP LEAD IN AIR GOALS.pdf"

LISTEDWASTE.pdf"



Attachment A

ATTACHMENT A – LIMITS FOR TSP LEAD IN AIR (BASED ON 12 MONTH ROLLING AVERAGE) – CONDITION (U – 1614)

NYRSTAR PORT PIRIE PTY LTD – LICENCE NO. 775

DATE	LIMIT OLIVER ST ($\mu\text{g}/\text{m}^3$)	LIMIT PIRIE WEST PRIMARY SCHOOL ($\mu\text{g}/\text{m}^3$)
30 September 2023	0.40	0.40
31 December 2023	0.38	0.38
31 March 2024	0.38	0.38
30 June 2024	0.38	0.38
30 September 2024	0.38	0.38
31 December 2024	0.36	0.36
31 March 2025	0.36	0.36
30 June 2025	0.36	0.36
30 September 2025	0.36	0.36
31 December 2025	0.34	0.34
31 March 2026	0.34	0.34
30 June 2026	0.34	0.34
30 September 2026	0.34	0.34
31 December 2026	0.32	0.32
31 March 2027	0.32	0.32
30 June 2027	0.32	0.32
30 September 2027	0.32	0.32
31 December 2027	0.32	0.32
31 March 2028	0.32	0.32
30 June 2028	0.32	0.32



Attachment B

ATTACHMENT B – TARGETS FOR TSP LEAD IN AIR (BASED ON 12 MONTH ROLLING AVERAGE) – CONDITION (U - 1615)

NYRSTAR PORT PIRIE PTY LTD – LICENCE NO. 775

DATE	TARGET ELLEN ST ($\mu\text{g}/\text{m}^3$)	TARGET BOAT RAMP ($\mu\text{g}/\text{m}^3$)
31 December 2023	1.6	0.57
30 June 2024	1.6	0.57
31 December 2024	1.6	0.54
30 June 2025	1.6	0.54
31 December 2025	1.45	0.51
30 June 2026	1.45	0.51
31 December 2026	1.45	0.50
30 June 2027	1.45	0.50
31 December 2027	1.3	0.4
30 June 2028	1.3	0.4



Attachment C

ATTACHMENT C – TARGETS FOR TSP LEAD IN AIR (BASED ON 3 MONTH ROLLING AVERAGE) – CONDITION (U - 1616)

DATE	TARGET OLIVER ST ($\mu\text{g}/\text{m}^3$)	TARGET PIRIE WEST PRIMARY SCHOOL ($\mu\text{g}/\text{m}^3$)	TARGET ELLEN ST ($\mu\text{g}/\text{m}^3$)	TARGET BOAT RAMP ($\mu\text{g}/\text{m}^3$)
31 July 2023	0.45	0.45	2.2	1.0
31 August 2023	0.45	0.45	2.2	1.0
30 September 2023	0.45	0.45	2.2	1.0
31 October 2023	0.45	0.45	2.2	1.0
30 November 2023	0.45	0.45	2.2	1.0
31 December 2023	0.45	0.45	2.2	1.0
31 January 2024	0.45	0.45	2.2	1.0
29 February 2024	0.45	0.45	2.2	1.0
31 March 2024	0.45	0.45	2.2	1.0
30 April 2024	0.45	0.45	2.2	1.0
31 May 2024	0.45	0.45	2.2	1.0
30 June 2024	0.45	0.45	2.2	1.0
31 July 2024	0.45	0.45	2.2	1.0
31 August 2024	0.45	0.45	2.2	1.0
30 September 2024	0.45	0.45	2.2	1.0
31 October 2024	0.45	0.45	2.2	1.0
30 November 2024	0.45	0.45	2.2	1.0
31 December 2024	0.45	0.45	2.0	0.9
31 January 2025	0.45	0.45	2.0	0.9
28 February 2025	0.45	0.45	2.0	0.9
31 March 2025	0.45	0.45	2.0	0.9
30 April 2025	0.45	0.45	2.0	0.9
31 May 2025	0.45	0.45	2.0	0.9
30 June 2025	0.45	0.45	2.0	0.9
31 July 2025	0.45	0.45	2.0	0.9
31 August 2025	0.45	0.45	2.0	0.9
30 September 2025	0.45	0.45	2.0	0.9
31 October 2025	0.45	0.45	2.0	0.9

30 November 2025	0.45	0.45	2.0	0.9
31 December 2025	0.42	0.42	2.0	0.8
31 January 2026	0.42	0.42	2.0	0.8
28 February 2026	0.42	0.42	2.0	0.8
31 March 2026	0.42	0.42	2.0	0.8
30 April 2026	0.42	0.42	2.0	0.8
31 May 2026	0.42	0.42	2.0	0.8
30 June 2026	0.42	0.42	2.0	0.8
31 July 2026	0.42	0.42	2.0	0.8
31 August 2026	0.42	0.42	2.0	0.8
30 September 2026	0.42	0.42	2.0	0.8
31 October 2026	0.42	0.42	2.0	0.8
30 November 2026	0.42	0.42	2.0	0.8
31 December 2026	0.42	0.42	2.0	0.6
31 January 2027	0.42	0.42	2.0	0.6
28 February 2027	0.42	0.42	2.0	0.6
31 March 2027	0.42	0.42	2.0	0.6
30 April 2027	0.42	0.42	2.0	0.6
31 May 2027	0.42	0.42	2.0	0.6
30 June 2027	0.42	0.42	2.0	0.6
31 July 2027	0.42	0.42	2.0	0.6
31 August 2027	0.42	0.42	2.0	0.6
30 September 2027	0.42	0.42	2.0	0.6
31 October 2027	0.42	0.42	2.0	0.6
30 November 2027	0.42	0.42	2.0	0.6
31 December 2027	0.40	0.40	1.8	0.6
31 January 2028	0.40	0.40	1.8	0.6
29 February 2028	0.40	0.40	1.8	0.6
31 March 2028	0.40	0.40	1.8	0.6
30 April 2028	0.40	0.40	1.8	0.6
31 May 2028	0.40	0.40	1.8	0.6
30 June 2028	0.40	0.40	1.8	0.6



Attachment D

ATTACHMENT D — WASTEWATER DISCHARGE NOTIFICATION VALUES – 1M FLUME - CONDITION (U - 1620)

COLUMN 1	COLUMN 2 – Notification value
Analyte	1M Flume - 5 consecutive exceedances based on daily measurements Micrograms per litre (µg/L)
Arsenic	29
Cadmium	65
Copper	55
Mercury	0.2
Lead	1000
Nickel	10
Selenium	43
Zinc	1400



Attachment E

ATTACHMENT E – ANNUAL LICENCE TSP LEAD IN AIR GOALS – CONDITION (U – 1626 & U - 1618)

YEAR	TSP LEAD IN AIR GOAL ($\mu\text{g}/\text{m}^3$) BASED ON DAILY MEASUREMENTS OF TSP LEAD IN AIR AT THE LICENSEE'S PIRIE WEST PRIMARY SCHOOL AND OLIVER ST MONITORING STATIONS, AS CALCULATED AT EACH DATE FOR THE PRECEDING 12 MONTH AVERAGING PERIOD
31 December 2023	0.36
30 June 2024	0.34
30 June 2025	0.32
30 June 2026	0.30
30 June 2027	0.30
30 June 2028	0.25



Listed Waste Attachment

Listed Waste

– per part B of Schedule 1 to the Environment Protection Act 1993, requiring provision of Waste Transport Certificate (WTC) for all transport movements

Waste stream or wastes having as constituents:

- Acids and acidic solutions
 - Adhesives (excluding solid inert polymeric materials)
 - Alkali metals and alkaline earth metals
 - Alkalis and alkaline solutions
 - Antimony and antimony compounds and solutions
 - Arsenic and arsenic compounds and solutions
 - Asbestos
 - Barium compounds and solutions
 - Beryllium and beryllium compounds
 - Boron and boron compounds
 - Cadmium and cadmium compounds and solutions
 - Calcium carbide
 - Carbon disulphide
 - Carcinogens teratogens and mutagens
 - Chlorates
 - Chromium compounds and solutions
 - Copper compounds and solutions
 - Cyanides or cyanide solutions and cyanide complexes
 - Cytotoxic wastes
 - Dangerous substances within the meaning of the *Dangerous Substances Act 1979*
 - Distillation residues
 - Fluoride compounds
 - Halogens
 - Heterocyclic organic compounds containing oxygen, nitrogen or sulphur
 - Hydrocarbons and their oxygen, nitrogen and sulphur compounds (including oils)
 - Isocyanate compounds (excluding solid inert polymeric materials)
 - Laboratory chemicals
 - Lead compounds and solutions
 - Lime sludges or slurries
 - Manganese compounds
 - Medical waste consisting of—
 - (a) a needle, syringe with needle, surgical instrument or other article that is discarded in the course of medical*, dental or veterinary practice or research and has a sharp edge or point capable of inflicting a penetrating injury on a person who comes into contact with it; or
 - (b) human tissue, bone, organ, body part or foetus; or
 - (c) a vessel, bag or tube containing a liquid body substance; or
 - (d) an animal carcass discarded in the course of veterinary or medical* practice or research; or
 - (e) a specimen or culture discarded in the course of medical*, dental or veterinary practice or research and any material that has come into contact with such a specimen or culture; or
 - (f) any other article or matter that is discarded in the course of medical*, dental or veterinary practice or research and that poses a significant risk to the health of a person who comes into contact with it.
- medical practice** includes the practice of pathology and the operation of an immunisation clinic.

Listed Waste Licence Attachment

– *per part B of Schedule 1 to the Environment Protection Act 1993, requiring provision of Waste Transport Certificate (WTC) for all transport movements*

Waste stream or wastes having as constituents (*continued*):

Mercaptans

Mercury compounds and equipment containing mercury

Nickel compounds and solutions

Nitrates

Organic halogen compounds (excluding solid inert polymeric materials)

Organic phosphates

Organic solvents

Organometallic residues

Oxidising agents

Paint sludges and residues

Perchlorates

Peroxides

Pesticides (including herbicides and fungicides)

Pharmaceutical wastes and residues

Phenolic compounds (excluding solid inert polymeric materials)

Phosphorus and its compounds

Polychlorinated biphenyls

Poisons within the meaning of the *Drugs Act 1908*

Reactive chemicals

Reducing agents

Selenium and selenium compounds and solutions

Silver compounds and solutions

Solvent recovery residues

Sulphides and sulphide solutions

Surfactants

Thallium and thallium compounds and solutions

Vanadium compounds

Zinc compounds and solutions



Controlled Waste Attachment

Controlled Waste

– per the National Environment Protection (Movement of Controlled Waste between States and Territories) Measure 1998, requiring provision of Waste Transport Certificate (WTC) from State or Territory where waste originates

Waste stream or wastes having as constituents:

Acidic solutions or acids in solid form
Animal effluent and residues (abattoir effluent, poultry and fish processing waste)
Antimony; antimony compounds
Arsenic; arsenic compounds
Asbestos
Barium compounds (excluding barium sulphate)
Basic solutions or bases in solid form
Beryllium; beryllium compounds
Boron compounds
Cadmium; cadmium compounds
Ceramic-based fibres with physico-chemical characteristics similar to those of asbestos
Chlorates
Chromium compounds (hexavalent and trivalent)
Clinical and related wastes
Cobalt compounds
Containers which are contaminated with residues of substances referred to in this list
Copper compounds
Cyanides (inorganic)
Cyanides (organic)
Cyanides (organic) / nitriles
Encapsulated, chemically-fixed, solidified or polymerised wastes referred to in this list
Ethers
Filter cake contaminated with residues of substances referred to in this list
Fire debris and fire washwaters
Fly ash, excluding fly ash generated from Australian coal fired power stations
Grease trap waste
Halogenated organic solvents
Highly odorous organic chemicals (including mercaptans and acrylates)
Inorganic fluorine compounds excluding calcium fluoride
Inorganic sulfides
Isocyanate compounds
Lead; lead compounds
Mercury; mercury compounds
Metal carbonyls
Nickel compounds
Non-toxic salts

Controlled Waste Licence Attachment (continued)

– per the National Environment Protection (Movement of Controlled Waste between States and Territories) Measure 1998, requiring provision of Waste Transport Certificate (WTC) from State or Territory where waste originates

Waste stream or wastes having as constituents:

Organic phosphorus compounds
Organic solvents excluding halogenated solvents
Organohalogen compounds - other than substances referred to in this list
Oxidising agents
Perchlorates
Phenols, phenol compounds including chlorophenols
Phosphorus compounds excluding mineral phosphates
Polychlorinated dibenzo-furan (any congener)
Polychlorinated dibenzo-p-dioxin (any congener)
Reactive chemicals
Reducing agents
Residues from industrial waste treatment/disposal operations.
Selenium; selenium compounds
Soils contaminated with a controlled waste
Surface active agents (surfactants), containing principally organic constituents and which may contain metals and inorganic materials
Tannery wastes (including leather dust, ash, sludges and flours)
Tellurium, tellurium compounds
Thallium; thallium compounds
Triethylamine catalysts for setting foundry sands
Tyres
Vanadium compounds
Waste chemical substances arising from research and development or teaching activities including those which are not identified and/or are new and whose effects on human health and/or the environment are not known
Waste containing peroxides other than hydrogen peroxide
Waste from heat treatment and tempering operations containing cyanides
Waste from the manufacture, formulation and use of wood-preserving chemicals
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 oil/water, hydrocarbons/water mixtures or emulsions
Waste pharmaceuticals, drugs and 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 polychlorinated biphenyls (PCBs), polychlorinated naphthalenes (PCNs), polychlorinated terphenyls (PCTs) and/or polybrominated biphenyls (PBBs)
Waste of an explosive nature not subject to other legislation
Wool scouring waste
Zinc compounds