

Licence Variation

Licence - 4848



THALES AUSTRALIA LIMITED
Trading as THALES AUSTRALIA
ABN 66 008 642 751
PRIVATE BAG NO 1
MULWALA NSW 2647

Attention: Adrian Sandral

Notice Number 1549325
File Number EF13/3701
Date 21-Feb-2017

NOTICE OF VARIATION OF LICENCE NO. 4848

BACKGROUND

- A. THALES AUSTRALIA LIMITED Trading as THALES AUSTRALIA ("the licensee") is the holder of Environment Protection Licence No. 4848 ("the licence") issued under the *Protection of the Environment Operations Act 1997* ("the Act"). The licence authorises the carrying out of activities at BAYLY STREET, MULWALA, NSW, 2647 ("the premises").
- B. On 8 February 2017, Thales Australia Limited outlined the progress of the delivery of the Pollution Reduction Program to meet the *Protection of the Environment (Clean Air) Regulation 2010* emission limits. A request was made by Thales Australia Ltd on 10 February 2017 to vary Environment Protection Licence No. 4848 to extend the time frames for the completion of the Pollution Reduction Program.
- C. Significant progress has been achieved in the delivery of the Mulwala industrialisation project to achieve the *Protection of the Environment Operations (Clean Air) Regulation 2010* group 6 emission limits with only six emission points requiring additional works to be completed. These points include 202B – Dehydration press house, 208B – Mixer house, 208C – Mixer house, 234A – Cutting house, 234B – Cutting house and 214 line – Solvent recovery houses.
- D. A commitment has been provided by the company to provide regular updates on the progress of the final stages of the project against the revised project time frames. Based on the significant progress in the delivery of the project the time frames have been extended.

VARIATION OF LICENCE NO. 4848

1. By this notice the EPA varies licence No. 4848. The attached licence document contains all variations that are made to the licence by this notice.
2. The following variations have been made to the licence:

Licence Variation



U1.1 Air Emission Inventory

- a. Date change from 1 February 2018 to 1 February 2019

U1.2 Air Quality Impact Assessment and Control Report

- b. Date change from 1 February 2018 to 1 February 2019

U1.2. f) Set out a time frame to complete all actions

- c. Date change from 1 March 2018 to 1 February 2019

U1.2. f) Actions must be fully implemented by

- d. Date change from 30 September 2018 to 1 September 2019

E3 Air Emission Standards in accordance with POEO (Clean Air) Regulation 2010

- e. Date change from 1 February 2017 to 31 March 2018

E3.2 For volatile organic compounds to meet group 6 standard

- f. Date change from 1 February 2017 to 31 March 2018

.....
Craig Bretherton

Manager

South West

(by Delegation)

INFORMATION ABOUT THIS NOTICE

- This notice is issued under section 58(5) of the Act.
- Details provided in this notice, along with an updated version of the licence, will be available on the EPA's Public Register (<http://www.epa.nsw.gov.au/prpoeo/index.htm>) in accordance with section 308 of the Act.

Appeals against this decision

- You can appeal to the Land and Environment Court against this decision. The deadline for lodging the appeal is 21 days after you were given notice of this decision.

When this notice begins to operate

- The variations to the licence specified in this notice begin to operate immediately from the date of this notice, unless another date is specified in this notice.
- If an appeal is made against this decision to vary the licence and the Land and Environment Court directs that the decision is stayed the decision does not operate until the stay ceases to have effect or the Land and Environment Court confirms the decision or the appeal is withdrawn (whichever occurs first).

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Licence Details

Number:	4848
Anniversary Date:	17-August

Licensee

THALES AUSTRALIA LIMITED

PRIVATE BAG NO 1

MULWALA NSW 2647

Premises

THALES AUSTRALIA

BAYLY STREET

MULWALA NSW 2647

Scheduled Activity

Chemical production

Chemical storage

Waste disposal (thermal treatment)

Waste processing (non-thermal treatment)

Fee Based Activity

Scale

Dangerous goods production	> 10000-25000 T annual production capacity
Explosives production	0-2000 T annual production capacity
General chemicals storage	> 5000-100000 kL storage capacity
Non-thermal treatment of hazardous and other waste	Any annual processing capacity
Thermal treatment of hazardous and other waste	Any capacity

Region

South West

Suites 7-8, Level 1 Griffith City Plaza, 130-140 Banna Avenue
GRIFFITH NSW 2680

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PO Box 397 GRIFFITH

NSW 2680

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Information about this licence

Dictionary

A definition of terms used in the licence can be found in the dictionary at the end of this licence.

Responsibilities of licensee

Separate to the requirements of this licence, general obligations of licensees are set out in the Protection of the Environment Operations Act 1997 ("the Act") and the Regulations made under the Act. These include obligations to:

- ensure persons associated with you comply with this licence, as set out in section 64 of the Act;
- control the pollution of waters and the pollution of air (see for example sections 120 - 132 of the Act);
- report incidents causing or threatening material environmental harm to the environment, as set out in Part 5.7 of the Act.

Variation of licence conditions

The licence holder can apply to vary the conditions of this licence. An application form for this purpose is available from the EPA.

The EPA may also vary the conditions of the licence at any time by written notice without an application being made.

Where a licence has been granted in relation to development which was assessed under the Environmental Planning and Assessment Act 1979 in accordance with the procedures applying to integrated development, the EPA may not impose conditions which are inconsistent with the development consent conditions until the licence is first reviewed under Part 3.6 of the Act.

Duration of licence

This licence will remain in force until the licence is surrendered by the licence holder or until it is suspended or revoked by the EPA or the Minister. A licence may only be surrendered with the written approval of the EPA.

Licence review

The Act requires that the EPA review your licence at least every 5 years after the issue of the licence, as set out in Part 3.6 and Schedule 5 of the Act. You will receive advance notice of the licence review.

Fees and annual return to be sent to the EPA

For each licence fee period you must pay:

- an administrative fee; and
- a load-based fee (if applicable).

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The EPA publication “A Guide to Licensing” contains information about how to calculate your licence fees. The licence requires that an Annual Return, comprising a Statement of Compliance and a summary of any monitoring required by the licence (including the recording of complaints), be submitted to the EPA. The Annual Return must be submitted within 60 days after the end of each reporting period. See condition R1 regarding the Annual Return reporting requirements.

Usually the licence fee period is the same as the reporting period.

Transfer of licence

The licence holder can apply to transfer the licence to another person. An application form for this purpose is available from the EPA.

Public register and access to monitoring data

Part 9.5 of the Act requires the EPA to keep a public register of details and decisions of the EPA in relation to, for example:

- licence applications;
- licence conditions and variations;
- statements of compliance;
- load based licensing information; and
- load reduction agreements.

Under s320 of the Act application can be made to the EPA for access to monitoring data which has been submitted to the EPA by licensees.

This licence is issued to:

THALES AUSTRALIA LIMITED
PRIVATE BAG NO 1
MULWALA NSW 2647

subject to the conditions which follow.

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1 Administrative Conditions

A1 What the licence authorises and regulates

- A1.1 This licence authorises the carrying out of the scheduled activities listed below at the premises specified in A2. The activities are listed according to their scheduled activity classification, fee-based activity classification and the scale of the operation.

Unless otherwise further restricted by a condition of this licence, the scale at which the activity is carried out must not exceed the maximum scale specified in this condition.

Scheduled Activity	Fee Based Activity	Scale
Chemical production	Dangerous goods production	> 10000 - 25000 T annual production capacity
Chemical production	Explosives production	0 - 2000 T annual production capacity
Chemical storage	General chemicals storage	> 5000 - 100000 kL storage capacity
Waste processing (non-thermal treatment)	Non-thermal treatment of hazardous and other waste	Any annual processing capacity
Waste disposal (thermal treatment)	Thermal treatment of hazardous and other waste	Any capacity

A2 Premises or plant to which this licence applies

- A2.1 The licence applies to the following premises:

Premises Details
THALES AUSTRALIA
BAYLY STREET
MULWALA
NSW 2647
ON COMMONWEALTH LAND BAYLY ST MULWALA

A3 Information supplied to the EPA

- A3.1 Works and activities must be carried out in accordance with the proposal contained in the licence application, except as expressly provided by a condition of this licence.

In this condition the reference to "the licence application" includes a reference to:

- a) the applications for any licences (including former pollution control approvals) which this licence replaces under the Protection of the Environment Operations (Savings and Transitional) Regulation 1998; and

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b) the licence information form provided by the licensee to the EPA to assist the EPA in connection with the issuing of this licence.

2 Discharges to Air and Water and Applications to Land

P1 Location of monitoring/discharge points and areas

P1.1 The following points referred to in the table below are identified in this licence for the purposes of monitoring and/or the setting of limits for the emission of pollutants to the air from the point.

<i>Air</i>			
EPA identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description
3	emissions to atmosphere	emissions to atmosphere	acid plant building 320 scrubber stack
4	emissions to atmosphere	emissions to atmosphere	acid plant building 321scrubber stack
5	emissions to atmosphere	emissions to atmosphere	acid plant building 325 reaction vessel stack
6	emissions to atmosphere	emissions to atmosphere	NC plant building 105 main stack
7	emissions to atmosphere	emissions to atmosphere	NC plant building 108 boiling tub 1 stack
8		emissions to atmosphere	NG section building 903 main stack
9		emissions to atmosphere	NG section building 908 paste stack
10	emissions to atmosphere	emissions to atmosphere	powder area building 202B press house stack
12	emissions to atmosphere	emissions to atmosphere	Powder area building 208C mixer house stack
13	emissions to atmosphere	emissions to atmosphere	Powder building 208B mixer house stack
14	emissions to atmosphere	emissions to atmosphere	Powder building 211B press/mixer house stack
15	emissions to atmosphere	emissions to atmosphere	Powder area building 234A cutting house stack
16	emissions to atmosphere	emissions to atmosphere	Powder section building 234B cutting house stack
17	emissions to atmosphere	emissions to atmosphere	finishing area building 214A solvent recovery house stack
18	emissions to atmosphere	emissions to atmosphere	finishing area building 214B solvent recovery house stack
19	emissions to atmosphere	emissions to atmosphere	finishing area building 214D solvent recovery house stack
20	emissions to atmosphere	emissions to atmosphere	finishing area building 214H solvent recovery house stack
21	emissions to atmosphere	emissions to atmosphere	finishing area building 214J solvent recovery house stack
23	emissions to atmosphere	emissions to atmosphere	finishing area building 237B air drying house stack
24	emissions to atmosphere	emissions to atmosphere	finishing area building 237C air drying house stack
27	emissions to atmosphere	emissions to atmosphere	TNT complex building 817 TNT nitration scrubber stack
28	emissions to atmosphere	emissions to atmosphere	TNT complex building 812 Dry flake dust
29	emissions to atmosphere	emissions to atmosphere	TNT complex building 820 Red water incinerator stack

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30	Emissions to atmosphere	Emissions to atmosphere	RDX complex building 832 Fume absorption stack
31	emissions to atmosphere	emissions to atmosphere	RDX building 841 Fume absorption stack
32	emissions to atmosphere	emissions to atmosphere	RDX complex building 837 main stack
36	emissions to atmosphere	emissions to atmosphere	Acid area building 501A North boiler stack group - stack serving boiler 2A
37	emissions to atmosphere	emissions to atmosphere	Acid area building 501A - South boiler stack group - stack serving boiler 2B
39		emissions to atmosphere	Powder Area building 850 Burning ground 2
44	emissions to atmosphere	emissions to atmosphere	NC building 108 boiling tub 2 stack
45	emissions to atmosphere	emissions to atmosphere	NC building 108 boiling tub 3 stack
46	emissions to atmosphere	emissions to atmosphere	NC building 108 boiling tub 4 stack
47	emissions to atmosphere	emissions to atmosphere	NC building 108 boiling tub 5 stack
48	emissions to atmosphere	emissions to atmosphere	NC building 108 boiling tub 6 stack
49	emissions to atmosphere	emissions to atmosphere	NC building 108 boiling tub 7 stack
50	emissions to atmosphere	emissions to atmosphere	NC building 108 boiling tub 8 stack
51	emissions to atmosphere	emissions to atmosphere	NC building 108 boiling tub 9 stack
52	emissions to atmosphere	emissions to atmosphere	NC building 108 boiling tub 10 stack
53	emissions to atmosphere	emissions to atmosphere	NC building 108 boiling tub 11 stack
54	emissions to atmosphere	emissions to atmosphere	NC building 108 boiling tub 12 stack
55	emissions to atmosphere	emissions to atmosphere	NC building 108 boiling tub 13 stack
56	emissions to atmosphere	emissions to atmosphere	NC building 108 boiling tub 14 stack
57	emissions to atmosphere	emissions to atmosphere	NC building 108 boiling tub 15 stack
58	emissions to atmosphere	emissions to atmosphere	NC building 108 boiling tub 16 stack
59	emissions to atmosphere	emissions to atmosphere	NC building 108 boiling tub 17 stack
60	emissions to atmosphere	emissions to atmosphere	NC building 108 boiling tub 18 stack
62	emissions to atmosphere	emissions to atmosphere	TNT building 812 Dry/flake fume stack
67	emissions to atmosphere	emissions to atmosphere	Acid area building 501A - North boiler stack group - stack serving boiler 1A
68	Discharge to Air	Discharge to Air	Confined burn facility stack. Building No. 851
69	Discharge to Air	Discharge to Air	NOx scrubber stack. Building No. 132.
70	Dicharge to Air	Dicharge to Air	Wall vent exhaust from cyclone cellulose dust collector
71	Discharge to Air	Discharge to Air	Boiling and poaching tubs steam condensor and dicharge stack. Building 137.
72	Discharge to Air	Discharge to Air	Scrubber vents on the solvent plant. Building No. 210.
73	Discharge to Air	Discharge to Air	Solvent fume scrubber stack UTX-466 serving buildings 134,252 and 253. Building No. 252.
74	Discharge to Air	Discharge to Air	Solvent scrubber on relief tank vents. Building 254A.
75	Discharge to Air	Discharge to Air	Solvent scrubber on tank relief vents. Building 254B.
76	Discharge to Air	Discharge to Air	Air dryer dust scrubber air vent. Building 256A
77	Discharge to Air	Discharge to Air	Air dryer dust scrubber vent. Building 256A.
78	Discharge to Air	Discharge to Air	Air dryer dust scrubber vent. Building 256B.

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79	Discharge to Air	Discharge to Air	Air dryer dust scrubber vent. Building No. 256B.
80	Discharge to Air	Discharge to Air	Wet scrubber discharge vent for blender dust hoods. Building No. 257.
81	Discharge to Air	Discharge to Air	Exhaust from propellant airvey wet scrubber. Building No. 257
82	Discharge to Air	Discharge to Air	Exhaust from propellant airvey wet scrubber. Building 257.
83	Discharge to air	Discharge to air	Propellant drying house stack. Building 272B
84	Discharge to air	Discharge to air	NC Building Centrifuge Drying of NC. Vent for ethanol removal during drying process. Building 113

P1.2 The following utilisation areas referred to in the table below are identified in this licence for the purposes of the monitoring and/or the setting of limits for any application of solids or liquids to the utilisation area.

P1.3 The following points referred to in the table are identified in this licence for the purposes of the monitoring and/or the setting of limits for discharges of pollutants to water from the point.

Water and land

EPA Identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description
2	Effluent discharge to waters	Effluent discharge to waters	End of pipe at Murray River for effluent quality compliance and upstream of the stormwater entry for flow volume compliance
40		Discharge to utilisation area	Irrigation area 1 - RDX complex
41		Discharge to utilisation area	Irrigation area 2 - North of North street
43	Effluent and stormwater volume monitoring		Flow metering station at head of underground pipe leading to Murray River
63	Discharge into evaporation basin		Evaporation pond at Powder area building 280A, 280B, 281, 284A and 284B
64	Discharge into evaporation basin		Evaporation pond at TNT area building 830A & 830B
65	Discharge into evaporation basin		Evaporation pond at TNT area building 830C

3 Limit Conditions

L1 Pollution of waters

L1.1 Except as may be expressly provided in any other condition of this licence, the licensee must comply with section 120 of the Protection of the Environment Operations Act 1997.

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L2 Load limits

- L2.1 The actual load of an assessable pollutant discharged from the premises during the reporting period must not exceed the load limit specified for the assessable pollutant in the table below.
- L2.2 The actual load of an assessable pollutant must be calculated in accordance with the relevant load calculation protocol.

Assessable Pollutant	Load limit (kg)
Arsenic (Air)	
Benzene (Air)	
Benzo(a)pyrene (equivalent) (Air)	
Fine Particulates (Air)	
Lead (Air)	
Mercury (Air)	
Nitrogen Oxides (Air)	
Sulfur Oxides (Air)	

Note: An assessable pollutant is a pollutant which affects the licence fee payable for the licence.

L3 Concentration limits

- L3.1 For each monitoring/discharge point or utilisation area specified in the table below (by a point number), the concentration of a pollutant discharged at that point, or applied to that area, must not exceed the concentration limits specified for that pollutant in the table.
- L3.2 Where a pH quality limit is specified in the table, the specified percentage of samples must be within the specified ranges.
- L3.3 To avoid any doubt, this condition does not authorise the pollution of waters by any pollutant other than those specified in the table.
- L3.4 Air Concentration Limits

POINT 3

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Nitrogen Oxides	milligrams per cubic metre	2000			

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POINT 4

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Nitrogen Oxides	milligrams per cubic metre	2000			
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	100			

POINT 5

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Nitrogen Oxides	milligrams per cubic metre	2000			

POINT 6

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	100			
Nitrogen Oxides	milligrams per cubic metre	2000			

POINT 7

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	100			
Nitrogen Oxides	milligrams per cubic metre	2000			

POINT 9

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	100			
Nitrogen Oxides	milligrams per cubic metre	2000			

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POINT 27

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Nitrogen Oxides	milligrams per cubic metre	2000			
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	100			

POINT 28

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Total Solid Particles	milligrams per cubic metre	250			

POINT 29

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Nitrogen Oxides	milligrams per cubic metre	2000			
Total Solid Particles	milligrams per cubic metre	250			
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	100			

POINT 30

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Nitrogen Oxides	milligrams per cubic metre	2000			
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	100			

POINT 36

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	100			
Total Solid Particles	milligrams per cubic metre	250			

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Nitrogen Oxides	milligrams per cubic metre	2000
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POINT 37

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	100			
Total Solid Particles	milligrams per cubic metre	250			
Nitrogen Oxides	milligrams per cubic metre	2000			

POINT 39

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Smoke Emissions	percent Opacity	20			

POINT 44

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Nitrogen Oxides	milligrams per cubic metre	2000			
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	100			

POINT 45

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Nitrogen Oxides	milligrams per cubic metre	2000			
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	100			

POINT 46

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Nitrogen Oxides	milligrams per cubic metre	2000			

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Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	100
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POINT 47

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Nitrogen Oxides	milligrams per cubic metre	2000			
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	100			

POINT 48

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	100			
Nitric oxide	milligrams per cubic metre	2000			

POINT 49

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	100			
Nitrogen Oxides	milligrams per cubic metre	2000			

POINT 50

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	100			
Nitrogen Oxides	milligrams per cubic metre	2000			

POINT 51

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
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Nitrogen Oxides	milligrams per cubic metre	2000
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	100

POINT 52

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	100			
Nitrogen Oxides	milligrams per cubic metre	2000			

POINT 53

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	100			
Nitrogen Oxides	milligrams per cubic metre	2000			

POINT 54

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Nitrogen Oxides	milligrams per cubic metre	2000			
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	100			

POINT 55

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	100			
Nitrogen Oxides	milligrams per cubic metre	2000			

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POINT 56

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	100			
Nitrogen Oxides	milligrams per cubic metre	2000			

POINT 57

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	100			
Nitrogen Oxides	milligrams per cubic metre	2000			

POINT 58

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	100			
Nitrogen Oxides	milligrams per cubic metre	2000			

POINT 59

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	100			
Nitrogen Oxides	milligrams per cubic metre	2000			

POINT 60

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	100			

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Nitrogen Oxides	milligrams per cubic metre	2000
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POINT 62

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Nitrogen Oxides	milligrams per cubic metre	2000			
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	100			

POINT 67

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Total Solid Particles	milligrams per cubic metre	250			
Nitrogen Oxides	micrograms per cubic metre	2000			
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	100			

POINT 68

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Nitrogen Oxides	milligrams per cubic metre	800			

POINT 69

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Nitrogen Oxides	milligrams per cubic metre	350			

POINT 70

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Total Solid Particles	milligrams per cubic metre	50			

POINT 71

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Nitrogen Oxides	milligrams per cubic metre	350			

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Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	100
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POINT 72

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Volatile organic compounds	milligrams per cubic metre	40			

POINT 73

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Volatile organic compounds	milligrams per cubic metre	40			

POINT 74

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Volatile organic compounds	milligrams per cubic metre	40			

POINT 75

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Volatile organic compounds	milligrams per cubic metre	40			

POINT 76

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Total Solid Particles	milligrams per cubic metre	50			

POINT 77

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Total Solid Particles	milligrams per cubic metre	50			

POINT 78

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
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Total Solid Particles	milligrams per cubic metre	50
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POINT 79

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Total Solid Particles	milligrams per cubic metre	50			

POINT 80

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Total Solid Particles	milligrams per cubic metre	50			

POINT 81

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Total Solid Particles	milligrams per cubic metre	50			

POINT 82

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Total Solid Particles	milligrams per cubic metre	50			

POINT 83

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Total Solid Particles	milligrams per cubic metre	50			

POINT 84

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Volatile organic compounds	milligrams per cubic metre	40			

L3.5 Water and/or Land Concentration Limits

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POINT 2

Pollutant	Units of Measure	50 percentile concentration limit	90 percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
BOD	milligrams per litre				10
Conductivity	microsiemens per centimetre				1500
Ethanol	milligrams per litre				30
Lead	micrograms per litre				10
Mercury	micrograms per litre				1
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre				10
Nitrogen (total)	milligrams per litre				10
Oil and Grease	milligrams per litre				2
pH	pH				6.5-8.5
Sulfate	milligrams per litre				1450
Total suspended solids	milligrams per litre				15

L4 Volume and mass limits

L4.1 For each discharge point or utilisation area specified below (by a point number), the volume/mass of:
a) liquids discharged to water; or;
b) solids or liquids applied to the area;
must not exceed the volume/mass limit specified for that discharge point or area.

Point	Unit of Measure	Volume/Mass Limit
2	megalitres per day	2
40	kilolitres per day	15

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41	kilolitres per day	800
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L5 Waste

L5.1 The licensee must not cause, permit or allow any waste to be received at the premises, except the wastes expressly referred to in the column titled "Waste" and meeting the definition, if any, in the column titled "Description" in the table below.

Any waste received at the premises must only be used for the activities referred to in relation to that waste in the column titled "Activity" in the table below.

Any waste received at the premises is subject to those limits or conditions, if any, referred to in relation to that waste contained in the column titled "Other Limits" in the table below.

This condition does not limit any other conditions in this licence.

Code	Waste	Description	Activity	Other Limits
NA	Off-specification explosives and ordinance originally manufactured by the licensee		Waste processing (non-thermal treatment)	The total quantity of waste processed or stored at the premises must not exceed 300 tonnes at any one time
NA	Packaging containing residues of explosives originally manufactured by the licensee		Waste processing (non-thermal treatment)	The total quantity of waste processed or stored at the premises must not exceed 300 tonnes at any one time
NA	Acid wastes, explosives and off specification ordinance		Waste processing (non-thermal treatment) Waste storage	The total quantity of waste processed or stored at the premises must not exceed 300 tonnes at any one time
NA	Red water from TNT production		Waste disposal (thermal treatment)	
E120	Explosive waste not subject to other legislation		Waste disposal (thermal treatment)	Thermal treatment using the Combined Burn Facility (CBF)
NA	General or Specific exempted waste	Waste that meets all the conditions of a resource recovery exemption under Clause 51A of the Protection of the	As specified in each particular resource recovery exemption	NA

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		Environment Operations (Waste) Regulation 2005		
NA	Waste	Any waste received on site that is below licensing thresholds in Schedule 1 of the POEO Act, as in force from time to time	-	NA

Note: The licensee must comply with the conditions as specified in this licence or where no specific conditions are outlined in this licence, the licensee must comply with the Protection of the Environment Operations (Waste) Regulation 2005.

L6 Noise limits

L6.1 Noise from the premises must not exceed:

- a) an LA10 (15 minute) noise emission criterion of 55 dB(A) (7am to 6pm) Monday to Friday and 7am to 1pm Saturday ; and
- b) an LA10 (15 minute) noise emission criterion of 45 dB(A) during the evening (6pm to 10pm) Monday to Friday; and
- c) at all other times, an LA10 (15 minutes) noise emission criterion of 40 dB(A), except as expressly provided by this licence.

L6.2 Noise from the premises is to be measured at the nearest or most affected noise sensitive area to determine compliance with this condition.

L7 Other limit conditions

Note: The licensee must comply with the conditions as specified in this licence or where no specific conditions are outlined in this licence, the licensee must comply with the "Chemical Control Order in Relation to Materials and Wastes Containing Polychlorinated Biphenyl, 1997".

4 Operating Conditions

O1 Activities must be carried out in a competent manner

O1.1 Licensed activities must be carried out in a competent manner.

This includes:

- a) the processing, handling, movement and storage of materials and substances used to carry out the activity; and
- b) the treatment, storage, processing, reprocessing, transport and disposal of waste generated by the activity.

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O2 Maintenance of plant and equipment

- O2.1 All plant and equipment installed at the premises or used in connection with the licensed activity:
- a) must be maintained in a proper and efficient condition; and
 - b) must be operated in a proper and efficient manner.

O3 Emergency response

- O3.1 Within 3 months of the date of the issue of this licence, the licensee must develop, or update, an emergency response plan which documents the procedures to deal with all types of incidents (e.g. spill, explosions or fire) that may occur at the premises or outside of the premises (e.g. during transfer) which are likely to cause harm to the environment.

O4 Processes and management

- O4.1 The licensee must ensure that any liquid and/or non liquid waste generated and/or stored at the premises is assessed and classified in accordance with the DECC Waste Classification Guidelines as in force from time to time.
- O4.2 The licensee must ensure that waste identified for recycling is stored separately from other waste.

O5 Waste management

- O5.1 The licensee must not carry out open burning of wastes permitted to be burnt by this licence except when conditions are such that there is:
- (a) A favourable prevailing and predicted weather pattern.
 - (b) Smoke from the burning stockpiles of timber does not impact on any residential, recreational or institutional premises not associated with the premises.

5 Monitoring and Recording Conditions

M1 Monitoring records

- M1.1 The results of any monitoring required to be conducted by this licence or a load calculation protocol must be recorded and retained as set out in this condition.
- M1.2 All records required to be kept by this licence must be:
- a) in a legible form, or in a form that can readily be reduced to a legible form;
 - b) kept for at least 4 years after the monitoring or event to which they relate took place; and
 - c) produced in a legible form to any authorised officer of the EPA who asks to see them.
- M1.3 The following records must be kept in respect of any samples required to be collected for the purposes of this licence:
- a) the date(s) on which the sample was taken;

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- b) the time(s) at which the sample was collected;
- c) the point at which the sample was taken; and
- d) the name of the person who collected the sample.

M2 Requirement to monitor concentration of pollutants discharged

M2.1 For each monitoring/discharge point or utilisation area specified below (by a point number), the licensee must monitor (by sampling and obtaining results by analysis) the concentration of each pollutant specified in Column 1. The licensee must use the sampling method, units of measure, and sample at the frequency, specified opposite in the other columns:

M2.2 Air Monitoring Requirements

POINT 3

Pollutant	Units of measure	Frequency	Sampling Method
Ammonia	milligrams per cubic metre	Yearly	Method approved in writing by the Authority
Nitric acid	milligrams per cubic metre	Quarterly	No method specified
Nitrogen Oxides	milligrams per cubic metre	Quarterly	TM-11

POINT 4

Pollutant	Units of measure	Frequency	Sampling Method
Nitric acid	milligrams per cubic metre	Quarterly	No method specified
Nitrogen Oxides	milligrams per cubic metre	Quarterly	TM-11
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	Quarterly	TM-3

POINT 5

Pollutant	Units of measure	Frequency	Sampling Method
Nitric acid	milligrams per cubic metre	Quarterly	No method specified
Nitrogen Oxides	milligrams per cubic metre	Quarterly	TM-11

POINT 6

Pollutant	Units of measure	Frequency	Sampling Method
Nitrogen Oxides	milligrams per cubic metre	Quarterly	TM-11
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	Quarterly	TM-3

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POINT 7

Pollutant	Units of measure	Frequency	Sampling Method
Nitrogen Oxides	milligrams per cubic metre	Quarterly	TM-11
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	Quarterly	TM-3

POINT 10

Pollutant	Units of measure	Frequency	Sampling Method
Volatile organic compounds	milligrams per cubic metre	Quarterly	OM-2

POINT 12

Pollutant	Units of measure	Frequency	Sampling Method
Volatile organic compounds	milligrams per cubic metre	Quarterly	OM-2

POINT 13

Pollutant	Units of measure	Frequency	Sampling Method
Volatile organic compounds	milligrams per cubic metre	Quarterly	OM-2

POINT 14

Pollutant	Units of measure	Frequency	Sampling Method
Volatile organic compounds	milligrams per cubic metre	Quarterly	OM-2

POINT 15

Pollutant	Units of measure	Frequency	Sampling Method
Volatile organic compounds	milligrams per cubic metre	Quarterly	OM-2

POINT 16

Pollutant	Units of measure	Frequency	Sampling Method
Volatile organic compounds	milligrams per cubic metre	Quarterly	OM-2

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**POINT 17**

Pollutant	Units of measure	Frequency	Sampling Method
Volatile organic compounds	milligrams per cubic metre	Special Frequency 2	OM-2

POINT 18

Pollutant	Units of measure	Frequency	Sampling Method
Volatile organic compounds	milligrams per cubic metre	Special Frequency 2	OM-2

POINT 19

Pollutant	Units of measure	Frequency	Sampling Method
Volatile organic compounds	milligrams per cubic metre	Special Frequency 2	OM-2

POINT 20

Pollutant	Units of measure	Frequency	Sampling Method
Volatile organic compounds	milligrams per cubic metre	Special Frequency 2	OM-2

POINT 21

Pollutant	Units of measure	Frequency	Sampling Method
Volatile organic compounds	milligrams per cubic metre	Special Frequency 2	OM-2

POINT 27

Pollutant	Units of measure	Frequency	Sampling Method
Dinitrotoluene	milligrams per cubic metre	Special Frequency 3	No method specified
MNT	milligrams per cubic metre	Special Frequency 3	No method specified
Nitric acid	milligrams per cubic metre	Special Frequency 3	No method specified
Nitrogen Oxides	milligrams per cubic metre	Special Frequency 3	TM-11
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	Special Frequency 3	TM-4
TNT	milligrams per cubic metre	Special Frequency 3	No method specified

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POINT 28

Pollutant	Units of measure	Frequency	Sampling Method
Particulate matter	milligrams per cubic metre	Special Frequency 3	TM-15

POINT 29

Pollutant	Units of measure	Frequency	Sampling Method
Ammonia	milligrams per cubic metre	Bi-Monthly	No method specified
Anthracene	micrograms per cubic metre	Bi-Monthly	TM-12
Dinitrotoluene	milligrams per cubic metre	Bi-Monthly	No method specified
Dioxins & Furans	micrograms per cubic metre	Bi-Monthly	No method specified
MNT	micrograms per cubic metre	Bi-Monthly	No method specified
Nitrogen Oxides	milligrams per cubic metre	Bi-Monthly	TM-11
Particulate matter	milligrams per cubic metre	Bi-Monthly	TM-15
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	Bi-Monthly	No method specified
TNT	micrograms per cubic metre	Bi-Monthly	No method specified
Volatile organic compounds	milligrams per cubic metre	Bi-Monthly	OM-2

POINT 30

Pollutant	Units of measure	Frequency	Sampling Method
Nitrogen Oxides	milligrams per cubic metre	Quarterly	TM-11
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	Quarterly	TM-15

POINT 31

Pollutant	Units of measure	Frequency	Sampling Method
Nitric acid	milligrams per cubic metre	Quarterly	No method specified
Nitrogen Oxides	milligrams per cubic metre	Quarterly	TM-11
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	Quarterly	TM-3

POINT 32

Pollutant	Units of measure	Frequency	Sampling Method
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Volatile organic compounds	milligrams per cubic metre	Yearly	OM-2
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POINT 36

Pollutant	Units of measure	Frequency	Sampling Method
Nitrogen Oxides	milligrams per cubic metre	Yearly	TM-11
Particulate matter	milligrams per cubic metre	Yearly	TM-3
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	Yearly	TM-3

POINT 37

Pollutant	Units of measure	Frequency	Sampling Method
Nitrogen Oxides	milligrams per cubic metre	Yearly	TM-11
Particulate matter	milligrams per cubic metre	Yearly	TM-15
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	Yearly	TM-3

POINT 44

Pollutant	Units of measure	Frequency	Sampling Method
Nitrogen Oxides	milligrams per cubic metre	Special Frequency 1	TM-11
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	Special Frequency 1	TM-3

POINT 45

Pollutant	Units of measure	Frequency	Sampling Method
Nitrogen Oxides	milligrams per cubic metre	Special Frequency 1	TM-11
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	Special Frequency 1	TM-3

POINT 46

Pollutant	Units of measure	Frequency	Sampling Method
Nitrogen Oxides	milligrams per cubic metre	Special Frequency 1	TM-11
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	Special Frequency 1	TM-3

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POINT 47

Pollutant	Units of measure	Frequency	Sampling Method
Nitrogen Oxides	milligrams per cubic metre	Special Frequency 1	TM-11
Sulfuric acid mist and sulfur trioxide (as SO3)	milligrams per cubic metre	Special Frequency 1	TM-3

POINT 48

Pollutant	Units of measure	Frequency	Sampling Method
Nitrogen Oxides	milligrams per cubic metre	Special Frequency 1	TM-11
Sulfuric acid mist and sulfur trioxide (as SO3)	milligrams per cubic metre	Special Frequency 1	TM-3

POINT 49

Pollutant	Units of measure	Frequency	Sampling Method
Nitrogen Oxides	milligrams per cubic metre	Special Frequency 1	TM-11
Sulfuric acid mist and sulfur trioxide (as SO3)	milligrams per cubic metre	Special Frequency 1	TM-3

POINT 50

Pollutant	Units of measure	Frequency	Sampling Method
Nitrogen Oxides	milligrams per cubic metre	Special Frequency 1	TM-11
Sulfuric acid mist and sulfur trioxide (as SO3)	milligrams per cubic metre	Special Frequency 1	TM-3

POINT 51

Pollutant	Units of measure	Frequency	Sampling Method
Nitrogen Oxides	milligrams per cubic metre	Special Frequency 1	TM-11
Sulfuric acid mist and sulfur trioxide (as SO3)	milligrams per cubic metre	Special Frequency 1	TM-3

POINT 52

Pollutant	Units of measure	Frequency	Sampling Method
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Nitrogen Oxides	milligrams per cubic metre	Special Frequency 1	TM-11
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	Special Frequency 1	TM-3

POINT 53

Pollutant	Units of measure	Frequency	Sampling Method
Nitrogen Oxides	milligrams per cubic metre	Special Frequency 1	TM-11
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	Special Frequency 1	TM-3

POINT 54

Pollutant	Units of measure	Frequency	Sampling Method
Nitrogen Oxides	milligrams per cubic metre	Special Frequency 1	TM-11
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	Special Frequency 1	TM-3

POINT 55

Pollutant	Units of measure	Frequency	Sampling Method
Nitrogen Oxides	milligrams per cubic metre	Special Frequency 1	TM-11
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	Special Frequency 1	TM-3

POINT 56

Pollutant	Units of measure	Frequency	Sampling Method
Nitrogen Oxides	milligrams per cubic metre	Special Frequency 1	TM-11
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	Special Frequency 1	TM-3

POINT 57

Pollutant	Units of measure	Frequency	Sampling Method
Nitrogen Oxides	milligrams per cubic metre	Special Frequency 1	TM-11
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	Special Frequency 1	TM-3

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POINT 58

Pollutant	Units of measure	Frequency	Sampling Method
Nitrogen Oxides	milligrams per cubic metre	Special Frequency 1	TM-11
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	Special Frequency 1	TM-3

POINT 59

Pollutant	Units of measure	Frequency	Sampling Method
Nitrogen Oxides	milligrams per cubic metre	Special Frequency 1	TM-11
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	Special Frequency 1	TM-3

POINT 60

Pollutant	Units of measure	Frequency	Sampling Method
Nitrogen Oxides	milligrams per cubic metre	Special Frequency 1	TM-11
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	Special Frequency 1	TM-3

POINT 62

Pollutant	Units of measure	Frequency	Sampling Method
Nitrogen Oxides	milligrams per cubic metre	Yearly	TM-11
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	Yearly	TM-15
Total Solid Particles	milligrams per cubic metre	Yearly	TM-15

POINT 67

Pollutant	Units of measure	Frequency	Sampling Method
Nitrogen Oxides	milligrams per cubic metre	Yearly	TM-11
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	Yearly	TM-3
Total Solid Particles	milligrams per cubic metre	Yearly	TM-15

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POINT 68

Pollutant	Units of measure	Frequency	Sampling Method
Cadmium	milligrams per cubic metre	Quarterly	TM-12, TM-13 & TM-14
Carbon monoxide	milligrams per cubic metre	Quarterly	TM-32
Dioxins & Furans	milligrams per cubic metre	Yearly	TM-18
Fluorine	milligrams per cubic metre	Quarterly	TM-9
Hydrogen chloride	milligrams per cubic metre	Quarterly	TM-8
Mercury	milligrams per cubic metre	Quarterly	TM-12, TM-13 & TM-14
Nitrogen Oxides	milligrams per cubic metre	Continuous	CEM-2
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	Quarterly	TM-3
Sulphur dioxide	milligrams per cubic metre	Quarterly	TM-4
Total Solid Particles	milligrams per cubic metre	Quarterly	TM-15
Volatile organic compounds	milligrams per cubic metre	Quarterly	TM-34

POINT 69

Pollutant	Units of measure	Frequency	Sampling Method
Nitrogen Oxides	milligrams per cubic metre	Quarterly	TM-11

POINT 70

Pollutant	Units of measure	Frequency	Sampling Method
Total Solid Particles	milligrams per cubic metre	Quarterly	TM-15

POINT 71

Pollutant	Units of measure	Frequency	Sampling Method
Nitrogen Oxides	milligrams per cubic metre	Quarterly	TM-15
Sulfuric acid mist and sulfur trioxide (as SO ₃)	milligrams per cubic metre	Quarterly	TM-3

POINT 72

Pollutant	Units of measure	Frequency	Sampling Method
Volatile organic compounds	milligrams per cubic metre	Quarterly	TM-34

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POINT 73

Pollutant	Units of measure	Frequency	Sampling Method
Volatile organic compounds	milligrams per cubic metre	Quarterly	TM-34

POINT 74

Pollutant	Units of measure	Frequency	Sampling Method
Volatile organic compounds	milligrams per cubic metre	Quarterly	TM-34

POINT 75

Pollutant	Units of measure	Frequency	Sampling Method
Volatile organic compounds	milligrams per cubic metre	Quarterly	TM-34

POINT 76

Pollutant	Units of measure	Frequency	Sampling Method
Total Solid Particles	milligrams per cubic metre	Quarterly	TM-15
Volatile organic compounds	milligrams per cubic metre	Quarterly	TM-34

POINT 77

Pollutant	Units of measure	Frequency	Sampling Method
Total Solid Particles	milligrams per cubic metre	Quarterly	TM-15
Volatile organic compounds	milligrams per cubic metre	Quarterly	TM-34

POINT 78

Pollutant	Units of measure	Frequency	Sampling Method
Total Solid Particles	milligrams per cubic metre	Quarterly	TM-15
Volatile organic compounds	milligrams per cubic metre	Quarterly	TM-34

POINT 79

Pollutant	Units of measure	Frequency	Sampling Method
Total Solid Particles	milligrams per cubic metre	Quarterly	TM-15

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Volatile organic compounds	milligrams per cubic metre	Quarterly	TM-34
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POINT 80

Pollutant	Units of measure	Frequency	Sampling Method
Total Solid Particles	milligrams per cubic metre	Quarterly	TM-15

POINT 81

Pollutant	Units of measure	Frequency	Sampling Method
Total Solid Particles	milligrams per cubic metre	Quarterly	TM-15

POINT 82

Pollutant	Units of measure	Frequency	Sampling Method
Total Solid Particles	milligrams per cubic metre	Quarterly	TM-15

POINT 83

Pollutant	Units of measure	Frequency	Sampling Method
Total Solid Particles	milligrams per cubic metre	Quarterly	TM-34

POINT 84

Pollutant	Units of measure	Frequency	Sampling Method
Volatile organic compounds	milligrams per cubic metre	Quarterly	TM-34

M2.3 Water and/ or Land Monitoring Requirements**POINT 2**

Pollutant	Units of measure	Frequency	Sampling Method
Ammonia	milligrams per litre	Weekly	Grab sample
BOD	milligrams per litre	Weekly	Grab sample
Conductivity	microsiemens per centimetre	Weekly	Grab sample
Lead	micrograms per litre	Weekly	Grab sample
Mercury	micrograms per litre	Quarterly	Grab sample
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	Weekly	Grab sample

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Nitrogen (ammonia)	milligrams per litre	Weekly	Grab sample
Nitrogen (total)	milligrams per litre	Weekly	Grab sample
Oil and Grease	milligrams per litre	Weekly	Grab sample
pH	pH	Continuous during discharge	In line instrumentation
Sulfate	milligrams per litre	Weekly	Grab sample
Total Kjeldahl Nitrogen	milligrams per litre	Weekly	Grab sample
Total petroleum hydrocarbons	micrograms per litre	Quarterly	Grab sample
Total suspended solids	milligrams per litre	Weekly	Grab sample

POINT 43

Pollutant	Units of measure	Frequency	Sampling Method
Flow	megalitres per day	Daily	In line instrumentation

- M2.4 For the purposes of the table(s) above Special Frequency 1 means the collection of samples as set out in the monitoring campaign described in Special Condition E1.
- M2.5 For the purposes of the table(s) above Special Frequency 1 means the collection of samples as set out in the monitoring campaign described in Special Condition E1.
- M2.6 For the purposes of the table(s) above Special Frequency 1 means the collection of samples as set out in the monitoring campaign described in Special Condition E1.

M3 Testing methods - concentration limits

- M3.1 Monitoring for the concentration of a pollutant emitted to the air required to be conducted by this licence must be done in accordance with:
- any methodology which is required by or under the Act to be used for the testing of the concentration of the pollutant; or
 - if no such requirement is imposed by or under the Act, any methodology which a condition of this licence requires to be used for that testing; or
 - if no such requirement is imposed by or under the Act or by a condition of this licence, any methodology approved in writing by the EPA for the purposes of that testing prior to the testing taking place.
- M3.2 Subject to any express provision to the contrary in this licence, monitoring for the concentration of a pollutant discharged to waters or applied to a utilisation area must be done in accordance with the Approved Methods Publication unless another method has been approved by the EPA in writing before any tests are conducted.

Note: The *Protection of the Environment Operations (Clean Air) Regulation 2010* requires testing for certain purposes to be conducted in accordance with test methods contained in the publication "Approved Methods for the Sampling and Analysis of Air Pollutants in NSW".

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M4 Testing methods - load limits

Note: Division 3 of the *Protection of the Environment Operations (General) Regulation 2009* requires that monitoring of actual loads of assessable pollutants listed in L2.2 must be carried out in accordance with the relevant load calculation protocol set out for the fee-based activity classification listed in the Administrative Conditions of this licence.

M5 Recording of pollution complaints

M5.1 The licensee must keep a legible record of all complaints made to the licensee or any employee or agent of the licensee in relation to pollution arising from any activity to which this licence applies.

M5.2 The record must include details of the following:

- a) the date and time of the complaint;
- b) the method by which the complaint was made;
- c) any personal details of the complainant which were provided by the complainant or, if no such details were provided, a note to that effect;
- d) the nature of the complaint;
- e) the action taken by the licensee in relation to the complaint, including any follow-up contact with the complainant; and
- f) if no action was taken by the licensee, the reasons why no action was taken.

M5.3 The record of a complaint must be kept for at least 4 years after the complaint was made.

M5.4 The record must be produced to any authorised officer of the EPA who asks to see them.

M6 Telephone complaints line

M6.1 The licensee must operate during its operating hours a telephone complaints line for the purpose of receiving any complaints from members of the public in relation to activities conducted at the premises or by the vehicle or mobile plant, unless otherwise specified in the licence.

M6.2 The licensee must notify the public of the complaints line telephone number and the fact that it is a complaints line so that the impacted community knows how to make a complaint.

M6.3 The preceding two conditions do not apply until 3 months after: the date of the issue of this licence.

6 Reporting Conditions

R1 Annual return documents

R1.1 The licensee must complete and supply to the EPA an Annual Return in the approved form comprising:

1. a Statement of Compliance,
2. a Monitoring and Complaints Summary,

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3. a Statement of Compliance - Licence Conditions,
4. a Statement of Compliance - Load based Fee,
5. a Statement of Compliance - Requirement to Prepare Pollution Incident Response Management Plan,
6. a Statement of Compliance - Requirement to Publish Pollution Monitoring Data; and
7. a Statement of Compliance - Environmental Management Systems and Practices.

At the end of each reporting period, the EPA will provide to the licensee a copy of the form that must be completed and returned to the EPA.

R1.2 An Annual Return must be prepared in respect of each reporting period, except as provided below.

Note: The term "reporting period" is defined in the dictionary at the end of this licence. Do not complete the Annual Return until after the end of the reporting period.

R1.3 Where this licence is transferred from the licensee to a new licensee:

- a) the transferring licensee must prepare an Annual Return for the period commencing on the first day of the reporting period and ending on the date the application for the transfer of the licence to the new licensee is granted; and
- b) the new licensee must prepare an Annual Return for the period commencing on the date the application for the transfer of the licence is granted and ending on the last day of the reporting period.

Note: An application to transfer a licence must be made in the approved form for this purpose.

R1.4 Where this licence is surrendered by the licensee or revoked by the EPA or Minister, the licensee must prepare an Annual Return in respect of the period commencing on the first day of the reporting period and ending on:

- a) in relation to the surrender of a licence - the date when notice in writing of approval of the surrender is given; or
- b) in relation to the revocation of the licence - the date from which notice revoking the licence operates.

R1.5 The Annual Return for the reporting period must be supplied to the EPA via eConnect *EPA* or by registered post not later than 60 days after the end of each reporting period or in the case of a transferring licence not later than 60 days after the date the transfer was granted (the 'due date').

R1.6 Where the licensee is unable to complete a part of the Annual Return by the due date because the licensee was unable to calculate the actual load of a pollutant due to circumstances beyond the licensee's control, the licensee must notify the EPA in writing as soon as practicable, and in any event not later than the due date. The notification must specify:

- a) the assessable pollutants for which the actual load could not be calculated; and
- b) the relevant circumstances that were beyond the control of the licensee.

R1.7 The licensee must retain a copy of the Annual Return supplied to the EPA for a period of at least 4 years after the Annual Return was due to be supplied to the EPA.

R1.8 Within the Annual Return, the Statements of Compliance must be certified and the Monitoring and Complaints Summary must be signed by:

- a) the licence holder; or
- b) by a person approved in writing by the EPA to sign on behalf of the licence holder.

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R2 Notification of environmental harm

R2.1 Notifications must be made by telephoning the Environment Line service on 131 555.

Note: The licensee or its employees must notify all relevant authorities of incidents causing or threatening material harm to the environment immediately after the person becomes aware of the incident in accordance with the requirements of Part 5.7 of the Act.

R2.2 The licensee must provide written details of the notification to the EPA within 7 days of the date on which the incident occurred.

R3 Written report

R3.1 Where an authorised officer of the EPA suspects on reasonable grounds that:

- a) where this licence applies to premises, an event has occurred at the premises; or
- b) where this licence applies to vehicles or mobile plant, an event has occurred in connection with the carrying out of the activities authorised by this licence,

and the event has caused, is causing or is likely to cause material harm to the environment (whether the harm occurs on or off premises to which the licence applies), the authorised officer may request a written report of the event.

R3.2 The licensee must make all reasonable inquiries in relation to the event and supply the report to the EPA within such time as may be specified in the request.

R3.3 The request may require a report which includes any or all of the following information:

- a) the cause, time and duration of the event;
- b) the type, volume and concentration of every pollutant discharged as a result of the event;
- c) the name, address and business hours telephone number of employees or agents of the licensee, or a specified class of them, who witnessed the event;
- d) the name, address and business hours telephone number of every other person (of whom the licensee is aware) who witnessed the event, unless the licensee has been unable to obtain that information after making reasonable effort;
- e) action taken by the licensee in relation to the event, including any follow-up contact with any complainants;
- f) details of any measure taken or proposed to be taken to prevent or mitigate against a recurrence of such an event; and
- g) any other relevant matters.

R3.4 The EPA may make a written request for further details in relation to any of the above matters if it is not satisfied with the report provided by the licensee. The licensee must provide such further details to the EPA within the time specified in the request.

7 General Conditions

G1 Copy of licence kept at the premises or plant

G1.1 A copy of this licence must be kept at the premises to which the licence applies.

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G1.2 The licence must be produced to any authorised officer of the EPA who asks to see it.

G1.3 The licence must be available for inspection by any employee or agent of the licensee working at the premises.

8 Pollution Studies and Reduction Programs

U1 Undertake the Mulwala Redevelopment Program

U1.1 Air Emission Inventory

By 1 February 2019, the Licensee must submit an Air Emission Inventory Report to EPA's "Unit Head, Albury", EPA South West, PO Box 544 Albury NSW. The report must:

- Identify all significant emission sources of air pollution and odour and their air emission concentrations/rates.
- Identify all potential sources of principal toxic air pollutants. Principal toxic air pollutants are defined in Part 4 *Protection of the Environment (Clean Air) Regulation 2010*.
- Identify the age of all plant and equipment.
- Identify and describe all air pollution and odour controls.
- Determine compliance of all emission sources with the relevant standards of concentrations specified in Part 4 of the *Protection of the Environment (Clean Air) Regulation 2010*.

U1.2 By 1 February 2019, the Licensee must submit an Air Quality Impact Assessment and Control Report to EPA's "Unit Head Albury", EPA South West, PO Box 544 Albury NSW. The report must:

- Benchmark each process and activity potentially emitting principal toxic air pollutants against comparable international best available technology and industry best management practice.
- Benchmark each process and activity emitting toxic air pollutants against comparable international technology and good management practices.
- Determine compliance of emissions of air pollution and odour with the relevant impact assessment criteria specified in Section 7 of the Approved Methods for the Modelling and Assessment of Air Pollution in New South Wales.
- Propose emission concentration limits for all point sources in accordance with the principles in Section 10 of the Approved Methods for the Modelling and Assessment of Air Pollutants in New South Wales.
- Propose actions that will ensure:
 - Emissions comply with the relevant standards of concentration in the *Protection of the Environment (Clean Air) Regulation 2010*;
 - Emissions of principal toxic air pollutants have been minimised to the maximum extent achievable through the application of best-practice process design and/or emissions controls;
 - All practicable means are used to prevent or minimise air pollution as required by s128(2) of the *Protection of the Environment Operations Act 1997*;
 - Ongoing compliance with the emission concentration limits proposed in 3 d) above; and
 - Ongoing compliance with the offensive odour provisions of s129 of the *Protection of the Environment Operations Act 1997*.
- Set out a timeframe to all actions in 2 e) above. Work must commence by 1 February 2019 and all actions must be fully implemented by 1 September 2019.

The Air Emission Inventory and Air Quality Impact Assessment and Control Reports must be carried out strictly in accordance with the following documents:

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- a) NSW DEC, August 2005, Approved Methods for the Modelling and Assessment of Air Pollutants in NSW. <http://www.environment.nsw.gov.au/resources/ammodelling05361.pdf>
- b) NSW DEC, August 2005, Approved Methods for the Sampling and Analysis of Air Pollutants in NSW. <http://www.environment.nsw.gov.au/resources/amsampling05360.pdf>
- c) NSW DEC, 2006, Technical Framework: Assessment and Management of Odour from Stationary Sources in NSW, November 2006. <http://www.environment.nsw.gov.au/resources/20060440framework.pdf>
- d) NSW DEC, 2006, Technical Notes, Assessment and Management of Odour from Stationary Sources in NSW, November 2006. <http://www.environment.nsw.gov.au/resources/20060441notes.pdf>

9 Special Conditions

E1 Monitoring of Boiling Tub Emissions

- E1.1 On an annual basis, a minimum of one boiling tub stack (defined as Discharge and Monitoring Points 7 and 44-60) shall be monitored. Monitoring shall be conducted during processing batches of Grade B nitrocellulose. Monitoring shall commence 10 hours after the start of the initial boil process. Monitoring shall be conducted using the sampling methods and for the pollutants specified in Condition M2.1. Performance shall be compared to the concentration limits specified in Condition L3.3. Monitoring shall be conducted for a minimum of 12 hours

E2 Monitoring of Emissions from Solvent Recovery House Stacks

- E2.1 On an annual basis, a minimum of one solvent recovery bay (defined as Discharge and Monitoring Points 17-21) shall be monitored. Monitoring shall be conducted during the solvent recovery process. A minimum of three samples shall be collected, commencing in the first hour and then every 3-4 hours subsequently. Monitoring shall be conducted using the sampling methods and for the pollutants specified in Condition M2.1. Performance shall be compared to the concentration limits specified in Condition L3.3.

E3 Air Emission Standards

- E3.1 By 31 March 2018 all air emissions from the facility must be in accordance with the Air Emissions Standards prescribed in the *Protection of the Environment Operations (Clean Air) Regulation 2010*.
- E3.2 For volatile organic compounds the EPA requires that 40mg/m³ or 99.99% destruction efficiency be achieved by 31 March 2018. Should equipment be replaced prior to this date then the Group 6 standard would apply from that earlier date.

All reasonable and feasible control measures must be implemented to minimise emissions of volatile organic compounds until compliance with the emission standard is achieved.

E4 Open Burning Grounds

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- E4.1 By 30 June 2018 the routine open-burning of waste at the premises is to cease with only emergency open-burning permitted following notification to the EPA.

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Dictionary

General Dictionary

3DGM [in relation to a concentration limit]	Means the three day geometric mean, which is calculated by multiplying the results of the analysis of three samples collected on consecutive days and then taking the cubed root of that amount. Where one or more of the samples is zero or below the detection limit for the analysis, then 1 or the detection limit respectively should be used in place of those samples
Act	Means the Protection of the Environment Operations Act 1997
activity	Means a scheduled or non-scheduled activity within the meaning of the Protection of the Environment Operations Act 1997
actual load	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
AM	Together with a number, means an ambient air monitoring method of that number prescribed by the <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .
AMG	Australian Map Grid
anniversary date	The anniversary date is the anniversary each year of the date of issue of the licence. In the case of a licence continued in force by the Protection of the Environment Operations Act 1997, the date of issue of the licence is the first anniversary of the date of issue or last renewal of the licence following the commencement of the Act.
annual return	Is defined in R1.1
Approved Methods Publication	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
assessable pollutants	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
BOD	Means biochemical oxygen demand
CEM	Together with a number, means a continuous emission monitoring method of that number prescribed by the <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .
COD	Means chemical oxygen demand
composite sample	Unless otherwise specifically approved in writing by the EPA, a sample consisting of 24 individual samples collected at hourly intervals and each having an equivalent volume.
cond.	Means conductivity
environment	Has the same meaning as in the Protection of the Environment Operations Act 1997
environment protection legislation	Has the same meaning as in the Protection of the Environment Administration Act 1991
EPA	Means Environment Protection Authority of New South Wales.
fee-based activity classification	Means the numbered short descriptions in Schedule 1 of the Protection of the Environment Operations (General) Regulation 2009.
general solid waste (non-putrescible)	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997

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flow weighted composite sample	Means a sample whose composites are sized in proportion to the flow at each composites time of collection.
general solid waste (putrescible)	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
grab sample	Means a single sample taken at a point at a single time
hazardous waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
licensee	Means the licence holder described at the front of this licence
load calculation protocol	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
local authority	Has the same meaning as in the Protection of the Environment Operations Act 1997
material harm	Has the same meaning as in section 147 Protection of the Environment Operations Act 1997
MBAS	Means methylene blue active substances
Minister	Means the Minister administering the Protection of the Environment Operations Act 1997
mobile plant	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
motor vehicle	Has the same meaning as in the Protection of the Environment Operations Act 1997
O&G	Means oil and grease
percentile [in relation to a concentration limit of a sample]	Means that percentage [eg.50%] of the number of samples taken that must meet the concentration limit specified in the licence for that pollutant over a specified period of time. In this licence, the specified period of time is the Reporting Period unless otherwise stated in this licence.
plant	Includes all plant within the meaning of the Protection of the Environment Operations Act 1997 as well as motor vehicles.
pollution of waters [or water pollution]	Has the same meaning as in the Protection of the Environment Operations Act 1997
premises	Means the premises described in condition A2.1
public authority	Has the same meaning as in the Protection of the Environment Operations Act 1997
regional office	Means the relevant EPA office referred to in the Contacting the EPA document accompanying this licence
reporting period	For the purposes of this licence, the reporting period means the period of 12 months after the issue of the licence, and each subsequent period of 12 months. In the case of a licence continued in force by the Protection of the Environment Operations Act 1997, the date of issue of the licence is the first anniversary of the date of issue or last renewal of the licence following the commencement of the Act.
restricted solid waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
scheduled activity	Means an activity listed in Schedule 1 of the Protection of the Environment Operations Act 1997
special waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
TM	Together with a number, means a test method of that number prescribed by the <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .

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TSP	Means total suspended particles
TSS	Means total suspended solids
Type 1 substance	Means the elements antimony, arsenic, cadmium, lead or mercury or any compound containing one or more of those elements
Type 2 substance	Means the elements beryllium, chromium, cobalt, manganese, nickel, selenium, tin or vanadium or any compound containing one or more of those elements
utilisation area	Means any area shown as a utilisation area on a map submitted with the application for this licence
waste	Has the same meaning as in the Protection of the Environment Operations Act 1997
waste type	Means liquid, restricted solid waste, general solid waste (putrescible), general solid waste (non - putrescible), special waste or hazardous waste

Mr David Cook

Environment Protection Authority

(By Delegation)

Date of this edition: 20-August-2001

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End Notes

- 1 Licence varied by change to points, issued on 22-Aug-2001, which came into effect on 22-Aug-2001.
- 2 Licence varied by notice 1012592, issued on 15-Jan-2002, which came into effect on 09-Feb-2002.
- 3 Licence varied by Admin corrections to archived record, issued on 04-Dec-2002, which came into effect on 04-Dec-2002.
- 4 Licence varied by notice 1026570, issued on 17-Apr-2003, which came into effect on 12-May-2003.
- 5 Licence varied by notice 1035376, issued on 07-Jun-2004, which came into effect on 02-Jul-2004.
- 6 Licence varied by notice 1039416, issued on 02-Aug-2004, which came into effect on 27-Aug-2004.
- 7 Licence varied by notice 1051104, issued on 30-Aug-2005, which came into effect on 24-Sep-2005.
- 8 Licence varied by notice 1074341, issued on 10-Jul-2008, which came into effect on 10-Jul-2008.
- 9 Condition A1.3 Not applicable varied by notice issued on <issue date> which came into effect on <effective date>
- 10 Licence varied by change to fba for summer pollutants, issued on 22-Jan-2009, which came into effect on 22-Jan-2009.
- 11 Licence varied by notice 1099281, issued on 06-Apr-2009, which came into effect on 06-Apr-2009.
- 12 Licence varied by notice 1099742, issued on 27-Apr-2009, which came into effect on 27-Apr-2009.
- 13 Licence varied by notice 1110773, issued on 29-Jun-2010, which came into effect on 29-Jun-2010.
- 14 Licence varied by correction to scheduled activity name, issued on 21-Dec-2010, which came into effect on 21-Dec-2010.
- 15 Licence varied by notice 1130415, issued on 13-Jul-2011, which came into effect on 13-Jul-2011.
- 16 Licence varied by notice 1506612 issued on 12-Dec-2014
- 17 Licence varied by notice 1538566 issued on 11-Apr-2016