ecoaccess
environmental licences and permits

Certificate of Registration

No: ENRE00661707

This registration certificate is issued by the Environmental Protection Agency and takes effect from: 19 April 2007.

The anniversary day for the purposes of the Annual Return is: 30 December.

This registration certificate is a requirement of section 73F of the *Environmental Protection Act 1994* and authorises the registered operator to undertake the activities listed below at the following place; subject to the conditions set out in a development approvals ENDC00661807 and IPCE00536307C11 attached to the premises.

Registered Operator:-
Mater Misericordiae Health Services Bris Ltd
Mater Misericordiae Hospital
Raymond Terrace
SOUTH BRISBANE QLD 4101

Place:-
Lot 2 Plan RP185046

39 Annerley Road SOUTH BRISBANE

Registered Activity/ies: -
ERA 11(a) Crude oil storing or petroleum product storing - crude oil or petroleum product in tanks or containers having a combined total storage capacity of 10 000 L or more but less than 500 000 L.

ERA 17 Fuel burning - any process involving the use of fuel burning equipment (including for example, a standby power generator) that is capable of burning (whether alone or in total) 500 kg or more of fuel an hour.

R. Kent

Rod Kent
Delegate
Environmental Protection Agency
Date: 19/4/07

Environmental Protection Agency
www.epa.qld.gov.au ABN 87 221 158 786

Queensland Government
Environmental Protection Agency
Queensland Parks and Wildlife Service

ENVIRONMENTAL PROTECTION ACT 1994

Queensland Government
Environmental Protection Agency
Queensland Parks and Wildlife Service

Southern Regional Office (Brisbane)
GPO Box 2771 BRISBANE QLD 4001
Phone :(07) 3224 5641 Fax:(07) 3225 8723
www.env.qld.gov.au ABN: 87221158786

Licence No. SR2510 (without development approval)

Section 93 *Environmental Protection Act 1994*

This licence to carry out an environmentally relevant activity is issued in accordance with section 93 of the Environmental Protection Act 1994.

Under the provisions of the *Environmental Protection Act 1994* this licence is issued to:

Mater Misericordiae Health Services Brisbane Limited
Mater Misericordiae Hospital
Raymond Terrace
SOUTH BRISBANE QLD 4101

in respect of carrying out the following environmentally relevant activity (ERA):

ERA 17 - Fuel burning
any process involving the use of fuel burning equipment (including, for example, a standby power generator) that is capable of burning (whether alone or in total) 500 kg or more of fuel per hour.

at the following place/s:

Lot 2 Registered Plan 185046, County of Stanley, Parish of South Brisbane.

located at Raymond Terrace
SOUTH BRISBANE QLD 4101

This licence is subject to the conditions set out in the attached schedules.

The anniversary date of this licence is 30 December

This licence takes effect from 7 February 2003.

Signed

29 JANUARY 2003
Date

Peter Smith
Acting Manager (Licensing)
Delegate of Administering Authority
Environmental Protection Act 1994

Note: This licence document is not proof of the current status of the licence. The current status of the licence may be ascertained by contacting the Environmental Protection Agency.

Schedule of conditions

The aforementioned description of the ERA for which this authority is issued is simply a restatement of the activity as prescribed in the legislation at the time of issuing the authority. Where there is any conflict between the above description of the ERA for which this authority is issued and the conditions as specified in this authority as to the scale, intensity or manner of carrying out of the ERA, then such conditions prevail to the extent of the inconsistency.

This licence incorporates the following schedules of conditions relevant to various issues:

- Schedule A - General conditions
- Schedule B - Air
- Schedule C - Water
- Schedule D - Stormwater management
- Schedule E - Land application
- Schedule F - Noise
- Schedule G - Waste management
- Schedule H - Self monitoring and reporting
- Schedule I - Definitions

Schedule A - General conditions

Maintenance of Plant and Equipment

(A1) The holder of this environmental authority must:

(i) install all plant and equipment necessary to ensure compliance with the conditions; and
(ii) maintain such plant and equipment in a proper and efficient condition; and
(iii) operate such plant and equipment in a proper and efficient manner.

In this condition, "plant and equipment" includes:

(i) plant and equipment used to prevent and/or minimise the likelihood of environmental harm being caused;
(ii) devices and structures to contain foreseeable escapes of contaminants and waste;
(iii) vehicles used to transport waste;
(iv) devices and structures used to store, handle, treat and dispose of waste;
(v) monitoring equipment and associated alarms; and
(vi) backup systems that act in the event of failure of a primary system.

Records

(A2) Any record or document required to be kept by a condition of this environmental authority must be kept at the licensed place for a period of at least five (5) years and be available for examination by an authorised person. The record retention requirements of this condition will be satisfied if any daily and weekly records are kept for a period of at least three (3) years and these records are then kept in the form of annual summaries after that period.

Alterations

(A3) No change, replacement or operation of any plant or equipment is permitted if the change, replacement or operation of the plant or equipment increases, or is likely to substantially increase, the risk of environmental harm above that expressly provided by this environmental authority.

An example of a substantial increase in the risk of environmental harm is an increase of 10% or more in the quantity of the contaminant to be released into the environment.

Calibration

(A4) All instruments and devices used for the measurement or monitoring of any parameter under any condition of this environmental authority must be calibrated, and appropriately operated and maintained.

Site-Based Management Plan

(A5) The holder of this environmental authority must develop and implement a Site-based Management Plan for the effective management of environmental impacts resulting from the carrying out of the activities under this environmental authority.

(A6) The Site-based Management Plan must contain detailed proposals for the management of environmental impacts resulting from the carrying out of the activities under this environmental authority including:

- operating procedures to prevent or minimise environmental harm, however occasioned or caused;
- maintenance practices and procedures;
- contingency plans to deal with foreseeable risks and hazards including corrective responses to prevent and mitigate environmental harm (including site rehabilitation);
- emergency procedures;
- communication of procedures, plans, incidents, potential environmental problems and results;
- handling of environmental complaints;
- keeping and production of environmental records and reports,
- monitoring of the release of contaminants into the environment including procedures, methods, record keeping and notification of results;
- assessment of the environmental impact of any releases of contaminants into the environment; and
- staff training and awareness of environmental issues related to the operation of the environmentally relevant activities.

(A7) The Site-based Management Plan must have due regard to comments of the administering authority and must be implemented by the holder of this environmental authority.

(A8) The holder of this environmental authority must submit details of any amendment to the approved Site-based Management Plan to the administering authority with the annual return which immediately follows the enactment of any such amendment.

END OF CONDITIONS FOR SCHEDULE A

Schedule B - Air

Noxious or Offensive Odour

(B1) Notwithstanding any other condition of this environmental authority no release of contaminants from the licensed place is to cause a noxious or offensive odour beyond the boundaries of the licensed place.

Specified Releases of Contaminants to the Atmosphere

(B2) The release of contaminants to the atmosphere from a point source must only occur from a point source which is identified in the application for environmental authority, or listed in Table 1 of the air schedule.

(B3) Contaminants resulting from the operation of the sources described in Table 1 of the air schedule must only be released to the atmosphere from those release points also specified in Table 1 of the air schedule.

(B4) Contaminants released from each release point specified in Table 1 of the air schedule must be directed vertically upwards without any impedance or hindrance.

(B5) Contaminants must be released to the atmosphere from a release point at a height not less than the corresponding height stated for that release point in Table 1 of the air schedule.

(B6) Contaminants must be released to the atmosphere from a release point at a velocity not less than the corresponding velocity stated for that release point in schedule B - Table 1.

SCHEDULE B - Table 1

RELEASE POINT NUMBER	Source Description	AVERAGE EFFLUX VELOCITY (metres/second)	MINIMUM RELEASE HEIGHT
1 (a common stack)	Boiler number 1 alone	6.3 minus the maximum analytical accuracy of the recommended methods in condition H7(b)	49 metres above boiler house roof
	Boiler number 2 alone	8.7 minus the maximum analytical accuracy of the recommended methods in condition H7(b)	
	Boiler number 1 and 2 Simultaneous Operation	12.1 minus the maximum analytical accuracy of the recommended methods in condition H7(b)	
2	One Diesel Electric Generator of 75kVA Serial No POD152A173 Boilerhouse	NS	4 metres above the roof
3	One Diesel Electric Generator of 75kVA Serial No POD152A172 Boilerhouse	NS	4 metres above the roof
4	One Diesel Electric Generator of 350 kVA Serial No N/A - Model 8V92TA - Detroit 350 kVA Mothers Hospital	NS	4 metres above the roof
5	One Diesel Electric Generator of 120 kVA Serial No 53651/8741 Childrens Hospital	NS	4 metres above the roof
6	One Diesel Electric Generator of 120 kVA Serial No 41618/2180 Childrens Hospital	NS	4 metres above the roof
7	One Diesel Electric Generator of 330 kVA Serial No 31115446 Adults Hospital	NS	4 metres above the roof
8	One Diesel Electric Generator of 330 kVA Serial No 31115447 Adults Hospital	NS	4 metres above the roof
9	One Diesel Electric Generator of 640 kVA Serial No 8123-7405 12VF-06074 - 640 kVA Private Hospital	NS	4 metres above the roof
10	One Diesel Electric Generator of 640 kVA Serial No 8123-7405 12VF-7405 Private Hospital	NS	4 metres above the roof
11	One Diesel Electric Generator of 300 kVA Serial No N/A Model: 8V92TA - Detroit 400 kVA Potter Building	NS	4 metres above the roof

(B7) Contaminants must not be released to the atmosphere from a release point at a mass emission rate, as measured at a monitoring point specified in schedule H, in excess of the values stated in Schedule B - Table 2 plus the maximum analytical accuracy of the recommended methods in condition H7(b).

(B8) The holder of this environmental authority is not required to do monitoring of contaminant releases to the atmosphere stated in condition H7 of this environmental authority if the daily average for each operational parameters stated in Schedule B - Table 1 & Table 3 are not exceeded.

New SCHEDULE B - Table 2

EMISSION RATE EXPRESS AS (G/S)	BOILER 1 MAX LOAD	BOILER 2 MAX LOAD	BOILER 1 & 2
Carbon Monoxide	0.37	0.39	0.58
Oxides of Nitrogen (as NO_2)	0.60	0.78	0.98
Oxides of Sulphur (as SO_2))	1.90	2.87	1.69
Particulate Matter	0.32	0.64	0.58

SCHEDULE B - Table 3

OPERATIONAL PARAMETERS	BOILER 1 MAX LOAD	BOILER 2 MAX LOAD	BOILER 1 & 2
Steam loading (kg/hr)	6 000 +10%	6 200 +10%	6 200 +10%
Fuel rate	Condition B13	Condition B13	Condition B13
Min Stack Temp. (°C)	173 - 5%	215 - 5%	208 - 5%
Min Combustion efficiency (%)	99.5	99.5	99.5

Min: Minimum

Air Contaminant Control Equipment Conditions

(B9) Boilers must be fitted with smoke obscuration meters which accurately measure obscuration in real time at intervals of at least five (5) minutes.

(B10) The opacity must not exceed 20% percent during the operation of the boiler(s).

(B11) An automatic audible and visual alarm is to monitor the operation of the obscuration meter and is to warn the plant operator when opacity exceeds 20%.

(B12) Opacity must be recorded on a chart recorder at all times during the operation of the boiler(s).

Boiler Fuel Burning

(B13) The quantity of fuel burned in the boilers must not exceed 14 tonnes per day.

(B14) The sulphur content of fuel burned in the boilers must not exceed 0.52 percent by weight plus the maximum analytical accuracy of the recommended methods by Australian Standard, ISO standards or ASTM Standards.

(B15) Coal is the only type of fuel to be burned in the boilers.

Diesel Generator Fuel Burning

(B16) The only fuel to be burned in industrial fuel burning equipment must be standard diesel fuel.

(B17) The standby diesel generators are only to be used for emergencies or during testing in accordance with the manufacturer's specifications or whenever as a result of a computer system malfunction the generators are automatically activated which would not be reasonably foreseen.

(B18) Catalytic oxidation gas purifiers must be fitted to the stand-by generators if the actual cumulative operating hours, other than providing power during failure of the State grid power supply, exceeds forty eight (48) hours per twelve (12) months per generator. If the holder of this environmental authority is required to fit purifiers as a result of the operation of this condition, the holder must fit the purifiers within twenty four (24) months of this requirement being triggered.

(B19) Catalytic gas oxidation purifiers must be replaced in accordance with the manufacturer recommendations, available standard or industry guidelines or practices and be fitted to any additional generators installed.

Low Water Alarm Tests

(B20) Low water alarm tests must be carried out during the following times:

(i) between 6.00pm and 6.00am.

Labelling of Release Points

(B21) Within six (6) months of the date of issue of this environmental authority all release points referred to in Schedule B Table 1 must be conspicuously marked with the corresponding release point number referred to in Schedule B Table 1.

(B22) The labels required on each release point referred to in Schedule B Table 1 must be clearly visible at ground level or accessible platform.

END OF CONDITIONS FOR SCHEDULE B

Schedule C - Water

Release of Contaminants to Waters

(C1) Contaminants must not be directly or indirectly released from the licensed place to any waters or the bed and banks of any waters except to a sewer as permitted or otherwise agreed from time to time by the relevant Local Government.

(C2) Wastewater draining from the ash hopper containing quenched ash must only be released to sewer.

(C3) Boiler blowdown wastewater and sludge must only be released to sewer.

END OF CONDITIONS FOR SCHEDULE C

Schedule D - Stormwater management

(D1) Any spillage of wastes, contaminants or other materials must be cleaned up as quickly as practicable. Such spillages must not be cleaned up by hosing, sweeping or otherwise releasing such wastes, contaminants or material to any stormwater drainage system, roadside gutter or waters.

(D2) All waste residues arising from processing must be stored in a manner which ensures they are kept free of stormwater and other liquids at all times.

END OF CONDITIONS FOR SCHEDULE D

Schedule E - Land application

Release of Contaminants to Land

(E1) There must be no release nor likelihood of release of any contaminants to land.

END OF CONDITIONS FOR SCHEDULE E

Schedule F - Noise

Emission of Noise

(F1) In the event of a complaint about noise that constitutes annoyance being made to the administering authority, that the administering authority considers is not frivolous or vexatious, then the emission of noise from the licensed place must not result in levels greater than those specified in Table 1 of the noise schedule.

SCHEDULE F - TABLE 1

NOISE LIMITS AT A NOISE SENSITIVE PLACE	
Period	***Noise Level at a Noise Sensitive Place Measured as the Adjusted Maximum Sound Pressure Level*** $L_{Amax\ adj,\ T}$
7 am - 6 pm	Background noise level plus 5 dB(A)
6 pm - 10 pm	Background noise level plus 5 dB(A)
10 pm - 7 am	Background noise level plus 3 dB(A)
NOISE LIMITS AT A COMMERCIAL PLACE	
Period	***Noise Level at a Commercial Place measured as the Adjusted Maximum Sound Pressure Level*** $L_{Amax\ adj,\ T}$
7 am - 6 pm	Background noise level plus 10 dB(A)
6 pm - 10 pm	Background noise level plus 10 dB(A)
10 pm - 7 am	Background noise level plus 8 dB(A)

END OF CONDITIONS FOR SCHEDULE F

Schedule G - Waste management

General

(G1) Waste must not be released to the environment, stored, transferred or disposed contrary to any condition of this environmental authority.

(G2) The holder of this environmental authority must not:

(i) burn waste at or on the licensed place; nor
(ii) allow waste to burn or be burnt at or on the licensed place; nor
(iii) remove waste from the licensed place and burn such waste elsewhere.

(G3) Records of trade waste agreements must be made available for inspection on request.

(G4) An area must be set aside for the segregation and storage of recyclable solid wastes. This place may be moved from time to time.

(G5) Where a no-cost recycling service is available, reasonable and practicable steps must be taken to ensure recyclable waste is not deposited in the general waste stream. Such steps may include, but not be limited to provision of receptacles; suitable signage; and promotion of awareness among staff of the recycling service.

Waste Storage And Handling Conditions

(G6) All loading/unloading of bulk materials must take place only within designated vehicle loading/unloading areas.

Off Site Movement

(G7) Where regulated waste is removed from the licensed place (other than by a release as permitted under another schedule of this environmental authority), the holder of this environmental authority must monitor and record the following:

(a) the date, quantity and type of waste removed; and
(b) name of the waste transporter and/or disposal operator that removed the waste; and
(c) the intended treatment/disposal destination of the waste.

(NOTE: Records of documents maintained in compliance with a waste tracking system established under the *Environmental Protection Act 1994* or any other law for regulated waste will be deemed to satisfy this condition.)

(G8) Regulated waste must not be sent for disposal at any facility without the written approval of the person operating that facility.

Notification of Improper Disposal Of Regulated Waste

(G9) If the holder of this environmental authority becomes aware that a person has removed regulated waste from the licensed place and disposed of the regulated waste in a manner which is not authorised by this environmental authority or improper or unlawful, then the holder of this environmental authority must, as soon as practicable, notify the administering authority of all relevant facts, matters and circumstances known concerning the disposal.

END OF CONDITIONS FOR SCHEDULE G

Schedule H - Self monitoring and reporting

Complaint Recording

(H1) All complaints received by the holder of this environmental authority relating to operations at the licensed place must be recorded in a log book with the following details:

(i) time, date and nature of complaint;
(ii) type of communication (telephone, letter, personal etc.);
(iii) name, contact address and contact telephone number of complainant (Note: if the complainant does not wish to be identified then "Not identified" is to be recorded);
(iv) response and investigation undertaken as a result of the complaint;
(v) name of person responsible for investigating complaint; and
(vi) action taken as a result of the complaint investigation and signature of responsible person.

Incident Recording

(H2) A record must be maintained of events including but not limited to:

(i) the time, date and duration of any malfunctions of boilers;
(ii) the time, date and duration of malfunctions of equipment servicing boilers (including smoke obscuration meter);
(iii) time and date of changeover of boilers;
(iv) any abnormal shut-downs of the boilers;
(v) the hours of operation of the boiler.

Notification of Emergencies and Incidents

(H3) As soon as practicable after becoming aware of any emergency or incident which results in the release of contaminants not in accordance, or reasonably expected to be not in accordance with the conditions of this environmental authority, the holder of this environmental authority must notify the administering authority of the release by telephone or facsimile.

(H4) The notification of emergencies or incidents as required by condition number H3 must include but not be limited to the following:

(i) the holder of the environmental authority;
(ii) the location of the emergency or incident;
(iii) the number of the environmental authority;
(iv) the name and telephone number of the designated contact person;
(v) the time of the release;
(vi) the time the holder of the environmental authority became aware of the release;
(vii) the suspected cause of the release;
(viii) the environmental harm caused, threatened, or suspected to be caused by the release; and
(ix) actions taken to prevent further any release and mitigate any environmental harm caused by the release.

(H5) Not more than 14 days following the initial notification of an emergency or incident, the holder of the environmental authority must provide written advice of the information supplied in accordance with condition number H4 in addition to:

(i) proposed actions to prevent a recurrence of the emergency or incident; and
(ii) outcomes of actions taken at the time to prevent or minimise environmental harm.

(H6) As soon as practicable, but not more than six weeks following the conduct of any environmental monitoring performed in relation to the emergency or incident which results in the release of contaminants not in accordance, or reasonably expected to be not in accordance with the conditions of this environmental authority, the holder of the environmental authority must provide written advice of the results of any such environmental monitoring performed.

Monitoring of Contaminant Releases to the Atmosphere

(H7) The holder of this environmental authority must conduct a monitoring program of contaminant releases to the atmosphere at the release points, frequency, and for the parameters specified in schedule H - Table 1 and which complies with the following:

(a) all determinations must be made by a person or body registered by the National Association of Testing Authorities (NATA) for the required determinations;

(b) Monitoring provisions at the release points listed in Schedule H Table 1 must comply with the requirements of Air Quality Sampling Manual - November 1997, published by the Queensland, Department of Environment or more recent editions or supplements to that document as such become available.

(c) the following tests must be performed for each required determination specified in Table 1:

(i) average efflux gas velocity and volume flow rate;
(ii) average stack temperature;
(iii) average water vapour concentration or average moisture content (% v/v); and
(iv) average oxygen, carbon dioxide, and carbon monoxide concentration (% v/v).

(d) where practicable samples taken must be representative of the contaminants discharged when emissions are expected to be both normal and maximum i.e during low water alarm testing;

(e) during the sampling period the following additional information must be gathered:

(i) the time and date;
(ii) the duration of the sampling period for each contaminant measured;
(iii) which boiler is operating;
(iv) the approximate steam load and any changes in steam load during the sampling period;
(v) any adjustments or tests conducted on boiler during sampling period;
(vi) average fuel rate in kg/hr;
(vii) combustion efficiency, and
(viii) wind speed, direction and height of the measure above the ground.

Schedule H - Table 1
Required Release Point Determinations

RELEASE POINT NUMBERS	DETERMINATION REQUIRED	FREQUENCY
1	Sulphur oxides expressed as SO_2	Not less than twice (2) per year if there is no compliance with condition B8.
1	Oxides of nitrogen expressed as NO_2	Not less than twice (2) per year if there is no compliance with condition B8.
1	Particulates	Not less than twice (2) per year if there is no compliance with condition B8.
1	Carbon monoxide	Not less than twice (2) per year if there is no compliance with condition B8.

Indirect air emission monitoring

(H8) The holder of this environmental authority must monitor, and record the following parameters:

(i) daily average steam loading per boiler in kg/hr; and
(ii) coal sulphur content per batch if not reporting test is provided by the supplier; and
(iii) daily average fuel rate per boiler in tonnes/day; and
(iv) daily average stack temperature; and
(v) daily average efflux velocity; and
(vi) daily average combustion efficiency per boiler; and
(vii) the upper and lower value measured every day per above required measurement.

(H9) The holder of this environmental authority must submit the collected data as a table or graphic with the annual return.

Noise Monitoring

(H10) For the purposes of investigation of complaint of noise annoyance and for checking compliance with condition F1 of the noise schedule F, the monitoring and recording of the noise levels from the environmentally relevant activity must be undertaken for at least the following descriptors, characteristics and conditions:

(i) $L_{Amax,\ adj,\ T}$;
(ii) $L_{Abg,\ T}$ (or $L_{A90,\ T}$);
(iii) $L_{AN,\ T}$ (where N equals statistical levels of 1, 10, 50, 90 and 99);
(iv) Max $L_{pA\ T}$;
(v) $L_{Aeq,\ T}$;
(vi) the level and frequency of occurrence of impulsive or tonal noise;
(vii) atmospheric conditions including temperature, relative humidity and wind speed and direction;
(viii) effects due to extraneous factors such as traffic noise; and
(ix) location, date and time of recording.

(H11) Noise monitoring must be undertaken to investigate any complaint of noise annoyance upon receipt of a written request from the administering authority to carry out such monitoring.

(H12) The method of measurement and reporting of noise levels must comply with the Department of Environment and Heritage Noise Measurement Manual, Second Edition, March 1995, or more recent editions or supplements to that document as become available.

(H13) The measurement and reporting of noise levels must be undertaken by a person or body possessing appropriate experience and qualifications to perform the required measurements.

Report Submission

(H14) The holder of this environmental authority must ensure that the results of all monitoring performed in accordance with this environmental authority for the period covered by an annual return are submitted with the annual return.

Exception Reporting

(H15) The holder of this environmental authority must notify the administering authority in writing of any monitoring result which indicates an exceedance of any licence limit within 28 days of completion of analysis.

(H16) The written notification required by condition number H15 above must include:

(i) the full analysis results; and
(ii) details of investigation or corrective actions taken; and
(iii) any subsequent analysis.

Operation of Generators

(H17) In the event of the operation of the generators the following must be recorded:

(i) time and date;
(ii) duration of operation; and
(iii) cause of start up.

(H18) The record required by condition H17 must be included in the Annual Return.

Maintenance of Fuel Storage Tanks

(H19) Reasonable and practicable inspection and maintenance must be carried out to ensure the integrity of the diesel fuel storage tanks to prevent any leakages to the environment.

END OF CONDITIONS FOR SCHEDULE H

Schedule I - Definitions

Some of the words and phrases used throughout this licence are defined below:

For the purposes of this environmental authority the following definitions apply:

(I1) "Act" means the Environmental Protection Act 1994.

(I2) "administering authority" means the Environmental Protection Agency or its successor.

(I3) "land" means land excluding waters and the atmosphere.

(I4) "point source" means any stack, chimney, vent, infrastructure, or device which is designed to cause or allow the release of contaminants to the atmosphere.

(I5) "cubic metre" ("m3") means the volume of dry gaseous contaminant which occupies 1 cubic metre at a temperature of zero degrees Celsius and at an absolute pressure of 101.3 kilopascals.

(I6) Combustion efficiency is represented as:

$$\frac{[CO_2] - [CO]}{[CO_2]} \times 100 \text{ as a percentage}$$

Where $[CO_2]$ and [CO] are the concentrations of carbon dioxide and carbon monoxide respectively.

(I7) "annoyance". In determining what constitutes "annoyance" regard must be had to Australian Standard 1055.2 - 1989 Acoustics - Description and Measurement of Environmental Noise Part 2 Application to specific situations.

(I8) "maximum" means that the measured value of the quality characteristic or contaminant must not be greater than the release limit stated.

(I9) "minimum" means that the measured value of the quality characteristic or contaminant must not be less than the release limit stated.

(I10) "range" means that the measured value of the quality characteristic or contaminant must not be greater than the higher release limit stated nor lower than the lower release limit stated.

(I11) "$L_{Amax\ adj,\ T}$ " means the average maximum A-weighted sound pressure level, adjusted for noise character and measured over a time period of not less than 15 minutes, using Fast response.

(I12) "background noise level" means either:

$L_{A90,\ T}$ being the A-weighted sound pressure level exceeded for 90 percent of the time period not less than 15 minutes, using Fast response, or

$L_{Abg,\ T}$ being the arithmetic average of the minimum A-weighted sound pressure level readings measured in the absence of the noise under investigation during a representative time period of not less than 15 minutes, using Fast response.

(I13) "Max$L_{pA\ T}$" means the maximum A-weighted sound pressure level measured over a time period of not less than 15 minutes, using Fast response.

(I14) "noise sensitive place" means -

(a) a dwelling, mobile home or caravan park, residential marina or other residential premises; or
(b) a motel, hotel or hostel; or
(c) a kindergarten, school, university or other educational institution; or
(d) a medical centre or hospital; or
(e) a protected area; or
(f) a park or gardens.

(I15) "commercial place" means a place used as an office or for business or commercial purposes.

(I16) "annoyance". In determining what constitutes "annoyance" regard must be had to Australian Standard 1055.2 - 1989 Acoustics - Description and Measurement of Environmental Noise Part 2 Application to specific situations.

(I17) "events" means uncontrolled or irregular release events.

END OF CONDITIONS FOR SCHEDULE I

END OF ENVIRONMENTAL AUTHORITY