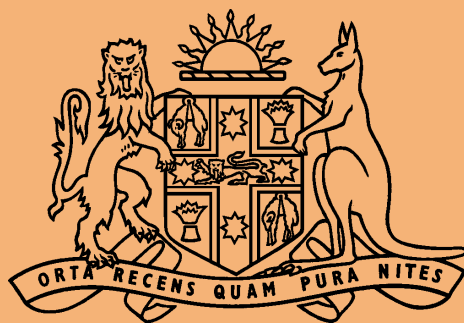




Government Gazette

OF THE STATE OF
NEW SOUTH WALES

Week No. 33/2001

Friday, 17 August 2001

*Published under authority by the Government Printing Service
Units 5 , Block V, Regents Park Industrial Estate
391 Park Road, REGENTS PARK 2143
Phone: 9743 8777 Fax: 9743 8203
Email: nswgazette@dpws.nsw.gov.au*

*Containing numbers 124, 125, 126, 127 and 128
Pages 6007 – 6184*

CONTENTS

Number 124

SPECIAL SUPPLEMENT	
Health Services Act 1997	6007

Number 125

SPECIAL SUPPLEMENT	
Writ of Election	6015

Number 126

SPECIAL SUPPLEMENT	
Poisons and Therapeutic Goods Act 1966	6017

Number 127

LEGISLATION	
Proclamations	6019
Regulations	6022
Orders	6034
Rules	6038

OFFICIAL NOTICES	
Appointments	6039
NSW Agriculture	6040
NSW Fisheries	6041
Department of Land & Water Conservation —	
<i>Land Conservation</i>	6042
<i>Water Conservation</i>	6049
Department of Mineral Resources	6052
Department of Urban Affairs and Planning	6054
Roads and Traffic Authority	6090
Sydney Water	6098
Other Notices	6102

TENDERS	
State Contracts Control Board	6173
Government Printing Service	6174

PRIVATE ADVERTISEMENTS

(Council, Probate, Company Notices, etc)	6175
--	------

Number 128

PUBLIC SECTOR NOTICES

(Appointments, Resignations, etc.)	6179
--	------

GOVERNMENT PRINTING SERVICE

Attention Advertisers . . .

*Government Gazette inquiry times are:
Monday to Friday: 8.00 am to 4.30 pm*

Phone: (02) 9743 8777; Fax: (02) 9743 8203

Email:

nswgazette@dpws.nsw.gov.au

GOVERNMENT GAZETTE DEADLINES

Close of business every Wednesday

Except when a holiday falls on a Friday, deadlines
will be altered as per advice given on this page.

Please Note:

*Only electronic lodgement of Gazette
contributions will be accepted.*

You can arrange to have a copy of the
NSW Government Gazette delivered each week by
telephoning Kerry Wain on **9743 8777**

This space is now available for advertising

For further information please contact:

Peter Kindleysides or Denis Helm on

Telephone: 9743 8777

Fax: 9743 8203

SEE the GPS Web Site at www.gps.dpws.nsw.gov.au



Government Gazette

OF THE STATE OF
NEW SOUTH WALES

Number 124
Friday, 10 August 2001

Published under authority by the Government Printing Service

SPECIAL SUPPLEMENT

HEALTH SERVICES ACT 1997

ORDER AMENDING THE SCALE OF FEES FOR HOSPITAL AND OTHER HEALTH SERVICES

Pursuant to section 69 of the Health Services Act 1997, I, MICHAEL JOHN REID, Director-General of the Department of Health, acting as the duly appointed delegate of the Minister for Health, do by this Order hereby amend the currently applying Scale of Fees for hospital services and other health services to the extent and in the manner set forth in the attached Schedule to take effect on and from 10 August 2001.

M. REID,
Director-General

SCHEDULE**AMENDMENT OF SCALE OF FEES**

- (a) **delete** from Part 1 in its entirety item 1A. relating to “ACCOMMODATION CHARGES”, and insert instead, the following matter:

Daily Fee
\$

1A. ACCOMMODATION CHARGES –

In respect of patients admitted to NSW public hospitals and receiving public hospital services pursuant to the Australian Health Care Agreement.

1A.1. Public Patients –

1A.1.1	treated by a doctor nominated by the hospital	Nil
1A.1.2	accommodated in a shared room (single room accommodation without charge can continue to be provided on the grounds of medical need)	Nil

1A.2. Private Patients (Overnight Stay)

1A.2.1	treated by a doctor nominated by the patient and accommodated in a shared room	235
1A.2.2	treated by a doctor nominated by the patient and accommodated at the patient's request, in a single room or as sole occupant of a shared room.	395
1A.2.3	treated by a doctor nominated by the hospital but accommodated at the patient's request, in a single room or as sole occupant of a shared room	395

1A.3. Private Patients (Same Day Patient)

Band 1	169
Band 2	190
Band 3	211
Band 4	235

Note:

These bands are as categorised by the Commonwealth under the National Health Act 1953.

1A.4. Ineligible Patients

Metropolitan (referral) hospital	
- Critical care patient	1,810
- Inpatient (other than critical care patient)	730
Metropolitan (non-referral) hospital	
- Critical care patient	1,055
- Inpatient (other than critical care patient)	550
Non-Metropolitan hospital	
- Critical care patient	835
- Inpatient (other than critical care patient)	505
Psychiatric hospital inpatient	305
Other hospital inpatient	170

With the exception of:

- 1 A visitor to Australia who holds a temporary entry permit, and who has applied for but has not yet been issued with an entry permit granting permanent residence.
- 2 A Norfolk Island resident who is admitted to a public hospital under the Norfolk Island Health Care Scheme (refer item 1A.8.).
- 3 A person who is admitted to a public hospital under the Asylum Seeker Assistance Scheme (ASAS) (refer item 1A.9.).
- 4 Persons entitled to free public hospital treatment under the terms of a Reciprocal Health Care Agreement between Australia and their country.

Note:

The classification of an individual treating hospital is the same as that shown in any "Order Notifying Classification of Hospitals" made from time to time by the Director-General of the Department of Health pursuant to clause 18 of the Workers Compensation (General) Regulation 1995.

1A.5. Compensable Patients (other than Workers Compensation or Motor

Daily Fee
\$

Vehicles (Third Party) Insurance) -

Metropolitan (referral) hospital	
- Critical care patient	1,810
- Inpatient (other than critical care patient)	730
Metropolitan (non-referral) hospital	
- Critical care patient	1,055
- Inpatient (other than critical care patient)	550
Non-Metropolitan	
- Critical care patient	835
- Inpatient (other than critical care patient)	505
Psychiatric hospital inpatient	305
Other hospital inpatient	170

These rates do not apply to persons treated pursuant to schemes under Workers Compensation Act 1926, Workers Compensation Act 1987, Motor Vehicles (Third Party Insurance Act) 1942, Transport Accidents Compensation Act 1987 or the Motor Accidents Act 1988.

Note:

The classification of an individual treating hospital is the same as that shown in any "Order Notifying Classification of Hospitals" made from time to time by the Director-General of the Department of Health pursuant to clause 18 of the Workers Compensation (General) Regulation 1995.

1A.6. Veterans' Affairs Patients

Veterans' Affairs Patients	Nil
----------------------------	-----

1A.7. Nursing Home Type Patients

1A.7.1 Elect to be treated by hospital nominated doctors –

Shall be charged a patient contribution:

(on a fortnightly basis): not exceeding the equivalent to 87.5% of any Commonwealth Standard Rate Pension and 87.5% of any maximum Rent Assistance payable to a person; or

(on a daily basis, where appropriate): one fourteenth of the fortnightly amount already referred to.

1A.7.2 Elect to be treated by doctor of choice –

Shall be charged on a daily basis, an amount equivalent to the patient contribution calculated on a daily basis in accordance with sub paragraph 1A.7.1, plus an amount determined in writing from time to time by the Minister for Health of the Commonwealth, or the Minister's delegate, pursuant to paragraph (bj) of Schedule 1 of the National Health Act 1953.

Daily Fee
\$

1A.8. Norfolk Island Residents admitted to a public hospital under the Norfolk Island Health Care Scheme:

Accommodation in a shared room	416
Accommodation in a single room	509
Same Day Admission	355
Accommodation as a critical care patient	1,055
Accommodation as a compensable patient	Applicable rates under 1A.5.

1A.9. Patients admitted to a public hospital under the Asylum Seekers Assistance Scheme:

Accommodation in a shared room	416
Accommodation in a single room	509
Same Day Admission	355
Accommodation as a critical care patient	1,055

- (b) **delete** in its entirety "Part 2 – PHARMACEUTICAL SCRIPT CHARGES" and insert instead, the following matter:

PART 2 – OUTPATIENT PHARMACEUTICAL SCRIPT CHARGES

Provided to outpatients of public hospitals

Charge per script item
\$

2A. Eligible Patients

2A.1.1 Contribution rate for general patients, as defined under the National Health Act 1953 of the Commonwealth, who produce evidence of medicare card or number entitlement to pharmaceutical benefits

Such amount as may be determined from time to time by the Commonwealth under the National Health Act 1953, subject to any safety net threshold entitlements and concessional rates applicable under that Act for the relevant entitlement period

2A.1.2 Contribution rate for concessional beneficiaries as defined under the National Health Act 1953 of the Commonwealth

Such amount as may be determined from time to time by the Commonwealth under the National Health Act 1953, subject to any safety net threshold entitlements and concessional rates applicable under that Act for the relevant entitlement period

2B. Ineligible patients

2B.1 Persons such as overseas visitors who have no medicare card or number or special number entitlement under the National Health Act 1953 of the Commonwealth to pharmaceutical benefits

The actual cost of each pharmaceutical script item, or \$15.00, whichever is the greater

2B.2 Overseas visitors from countries with which Australia has a Reciprocal Health Care Agreement and who require the item(s) for their **urgent** medical treatment

Such amount as shall be applicable from time to time under item 2A.1.1

- (c) **delete** in its entirety “PART 4 – NON-ADMITTED PATIENT CHARGES” and insert instead the following matter:

PART 4 - NON-ADMITTED PATIENT CHARGES

4A. Ineligible Patients

	Occasion of Service Fee
	\$
Metropolitan - Referral hospital (excluding physiotherapy)	85
Metropolitan - Non-referral hospital (excluding physiotherapy)	65
Non metropolitan hospital (excluding physiotherapy)	55
Psychiatric hospital (excluding physiotherapy)	55
Other hospital (excluding physiotherapy)	55
Physiotherapy Services provided to Non- Admitted Patients (apply to all hospital classifications)	
Initial consultation & treatment	55
Standard treatment consultation	45
Initial consultation & treatment, two distinct areas	85
Two distinct areas treated	67.50
Initial consultation & treatment, three distinct areas treated	112.50
Three distinct areas treated	90
Extended treatment	90
Treatment in classes (ie more than one person treated at same time)	40
Other aspects of treatment not covered above eg case conferencing and employer consultations (rate per hour)	112.50

With the exception of:

1. A visitor to Australia who holds a temporary entry permit, and who has applied for but has not yet been issued with an entry permit granting permanent residence.
2. Persons entitled to free public hospital treatment under the terms of a Reciprocal Health Care Agreement between Australia and their country.

Note:

An “occasion of service”, in relation to a non-admitted patient occasion of service, has the same meaning as it has in the “NSW Department of Health – DOHRS Glossary” issued by the Department of Health in June 2000 or in any subsequent revision of that document issued by that Department.

4B. Compensable (other than Workers Compensation or Motor Vehicles (Third Party) Insurance) -	Occasion of Service Fee \$
Metropolitan (referral hospital)	85
Metropolitan (non-referral hospital)	65
Non Metropolitan hospital	55
Psychiatric hospital	55
Other hospital	55
Physiotherapy Services provided to Non- Admitted Patients (apply to all hospital classifications)	
Initial consultation & treatment	55
Standard treatment consultation	45
Initial consultation & treatment, two distinct areas	85
Two distinct areas treated	67.50
Initial consultation & treatment, three distinct areas treated	112.50
Three distinct areas treated	90
Extended treatment	90
Treatment in classes (ie more than one person treated at same time)	40
Other aspects of treatment not covered above eg case conferencing and employer consultations (rate per hour)	112.50

These rates do not apply to persons treated pursuant to schemes under Workers Compensation Act 1926, Workers Compensation Act 1987, Motor Vehicles (Third Party Insurance Act) 1942, Transport Accidents Compensation Act 1987 or the Motor Accidents Act 1988.

Note:

An "occasion of service", in relation to a non-admitted patient occasion of service, has the same meaning as it has in the "NSW Department of Health – DOHRS Glossary" issued by the Department of Health in June 2000 or in any subsequent revision of that document issued by that Department.



Government Gazette

OF THE STATE OF
NEW SOUTH WALES

Number 125
Monday, 13 August 2001

Published under authority by the Government Printing Service

SPECIAL SUPPLEMENT

LEGISLATIVE ASSEMBLY

WRIT OF ELECTION

JOHN CHARLES PRICE., Deputy Speaker of the Legislative Assembly of the State of New South Wales, in the Commonwealth of Australia, directs it to be notified, for general information, that a Writ hath this day been issued, and that the following arrangements have been made for the Election of a Member to serve in the present Legislative Assembly of the said State for the Electoral District of

AUBURN

in the room of Peter Richard NAGLE, resigned.

Date of Writ:	Monday	13 August 2001.
Date of Nomination:	Friday	17 August 2001.
Polling Day:	Saturday	8 September 2001.
Return of Writ:	Friday	21 September 2001.

RUSSELL D. GROVE,
Clerk of the Legislative Assembly.

Legislative Assembly Office
Sydney, 13 August 2001.

ISSN 0155-6320

Authorised to be printed
R. J. MILLIGAN, Government Printer.



Government Gazette

OF THE STATE OF
NEW SOUTH WALES

Number 126
Wednesday, 15 August 2001

Published under authority by the Government Printing Service

SPECIAL SUPPLEMENT

POISONS AND THERAPEUTIC GOODS ACT 1966

PROCLAMATION

MARIE BASHIR, Governor

I, Professor Marie Bashir, AC, Governor of the State of New South Wales, with the advice of the Executive Council, on the recommendation of the Minister for Health and in pursuance of section 8(6) of the Poisons and Therapeutic Goods Act 1966, do, by this my Proclamation, amend the Poisons List as set out in the Schedule hereunder with immediate effect.

Signed and sealed at Sydney, this fifteenth day of August 2001.

By Her Excellency's Command,

CRAIG KNOWLES, M.P.
Minister for Health

GOD SAVE THE QUEEN!

SCHEDULE

The Poisons List is hereby amended with immediate effect by omitting from Schedule 2 the additional entry for CODEINE, and by inserting instead the following additional entry:

CODEINE when:

- (a) compounded:
 - (i) with a single non-opiate analgesic substance:
 - (A) in tablets or capsules packed in blister or strip packaging or in a container with a child resistant closure; or
 - (B) in individually wrapped powders, each containing 10 mg or less of codeine; or
 - (ii) with one or more therapeutically active substances other than a non-opiate analgesic substance:
 - (A) in divided preparations each containing 10 mg or less of codeine; or
 - (B) in undivided preparations containing 0.25 per cent or less of codeine;

and

- (b) labelled with a recommended dose not exceeding 60 mg of codeine.



Government Gazette

OF THE STATE OF
NEW SOUTH WALES

Number 127
Friday, 17 August 2001

Published under authority by the Government Printing Service

LEGISLATION

Proclamations

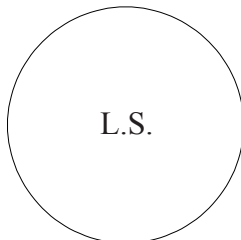
Public Sector Management Act 1988—Proclamation

MARIE BASHIR, Governor

I, Professor Marie Bashir AC, Governor of the State of New South Wales, with the advice of the Executive Council, and in pursuance of section 42D of the *Public Sector Management Act 1988*, do, by this my Proclamation, amend Schedule 3B to that Act as set out in the Appendix to this Proclamation.

Signed and sealed at Sydney, this 8th day of August 2001.

By Her Excellency's Command,



BOB CARR, M.P.,
Premier

GOD SAVE THE QUEEN!

Public Sector Management Act 1988—Proclamation

**Appendix Amendment of Part 1 of Schedule 3B
(Senior executive positions) to the Act**

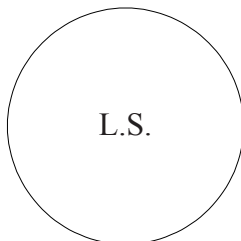
- (1) Insert after the positions relating to the Cabinet Office:
Casino Control Authority
Director, Casino Surveillance
- (2) Omit from the positions relating to the Department of Gaming and Racing the position of “Director, Casino Surveillance”.
- (3) Omit from the positions relating to the Department of State and Regional Development:
Director, Olympic Business Services
Insert instead:
Director, Technology and Post-Olympic Business

Western Sydney Regional Park (Revocation for Western Sydney Orbital) Act 2001 No 60—Proclamation

MARIE BASHIR, Governor

I, Professor Marie Bashir AC, Governor of the State of New South Wales, with the advice of the Executive Council, and in pursuance of section 2 of the *Western Sydney Regional Park (Revocation for Western Sydney Orbital) Act 2001*, do, by this my Proclamation, appoint 17 August 2001 as the day on which that Act commences.

Signed and sealed at Sydney, this 15th day of August 2001.



By Her Excellency's Command,

CARL SCULLY, M.P.,
Minister for Roads

GOD SAVE THE QUEEN!

Regulations

Clean Air (Plant and Equipment) Amendment (Hydrogen Sulphide Emissions) Regulation 2001

under the

Protection of the Environment Operations Act 1997

Her Excellency the Governor, with the advice of the Executive Council, has made the following Regulation under the *Protection of the Environment Operations Act 1997*.

BOB DEBUS, M.P.,
Minister for the Environment

Explanatory note

The object of this Regulation is to allow occupiers of premises on which a scheduled activity is carried on to seek the approval of the Environment Protection Authority with respect to the maximum standard of concentration of hydrogen sulphide that may be emitted from the premises. If such an approval is granted, and the standard of concentration and any other conditions specified in the approval are complied with, the occupier is exempt from the prescribed standard of concentration for hydrogen sulphide that would otherwise apply.

This Regulation also prescribes any such approval as a matter that must be recorded on the register maintained under section 308 of the *Protection of the Environment Operations Act 1997*.

This Regulation refers to the document entitled *Approved Methods and Guidance for the Modelling and Assessment of Air Pollutants in New South Wales* prepared by the Environment Protection Authority.

Clean Air (Plant and Equipment) Amendment (Hydrogen Sulphide Emissions) Regulation 2001

Explanatory note

This Regulation is made under the *Protection of the Environment Operations Act 1997*, including sections 286 (Exemptions by regulation), 308 (Public register) and 323 (the general regulation-making power).

Clean Air (Plant and Equipment) Amendment (Hydrogen Sulphide Emissions) Regulation 2001

Clause 1

Clean Air (Plant and Equipment) Amendment (Hydrogen Sulphide Emissions) Regulation 2001

1 Name of Regulation

This Regulation is the *Clean Air (Plant and Equipment) Amendment (Hydrogen Sulphide Emissions) Regulation 2001*.

2 Amendment of Clean Air (Plant and Equipment) Regulation 1997

The *Clean Air (Plant and Equipment) Regulation 1997* is amended as set out in Schedule 1.

3 Amendment of Protection of the Environment Operations (General) Regulation 1998

The *Protection of the Environment Operations (General) Regulation 1998* is amended as set out in Schedule 2.

4 Notes

The explanatory note does not form part of this Regulation.

Clean Air (Plant and Equipment) Amendment (Hydrogen Sulphide Emissions) Regulation 2001

Schedule 1 Amendment of Clean Air (Plant and Equipment) Regulation 1997

Schedule 1 Amendment of Clean Air (Plant and Equipment) Regulation 1997

(Clause 2)

Clause 7A

Insert after clause 7:

7A Authority may approve alternative restrictions on hydrogen sulphide emissions

- (1) The Authority may grant an approval to an occupier of premises for an alternative standard of concentration for hydrogen sulphide emissions.
- (2) If an occupier has been granted such an approval, and the occupier complies with the alternative standard of concentration and any other conditions specified in the approval, the occupier is exempt from clause 7 in relation to hydrogen sulphide emissions only.
- (3) Before granting an approval under this clause the Authority must:
 - (a) take into consideration the impact of the approval on local and regional air quality and amenity, and
 - (b) be satisfied that it is not practicable for the occupier to comply with clause 7 by implementing operational changes to plant or practices, and
 - (c) be satisfied that the alternative standard of concentration for hydrogen sulphide emissions has been calculated in accordance with the document entitled *Approved Methods and Guidance for the Modelling and Assessment of Air Pollutants in New South Wales*, prepared by the Authority and published in the Gazette, as in force from time to time.
- (4) The Authority is to grant an approval under this clause by means of a written notice given to the occupier.

Clean Air (Plant and Equipment) Amendment (Hydrogen Sulphide Emissions) Regulation 2001

Amendment of Clean Air (Plant and Equipment) Regulation 1997

Schedule 1

(5) An approval:

- (a) is subject to any conditions that may be specified in the approval (including the method of measuring the concentration of hydrogen sulphide emissions), and
- (b) may be amended or revoked by the Authority by means of a written notice given to the occupier.

Clean Air (Plant and Equipment) Amendment (Hydrogen Sulphide Emissions) Regulation 2001

Schedule 2 Amendment of Protection of the Environment Operations (General) Regulation 1998

Schedule 2 Amendment of Protection of the Environment Operations (General) Regulation 1998

(Clause 3)

**Clause 63 Additional matters to be included in public register:
sec 308**

Insert after clause 63 (c):

- (d) any approval granted under clause 7A of the *Clean Air (Plant and Equipment) Regulation 1997*.

Road Transport (Driver Licensing) Amendment (Suspension of Licences) Regulation 2001

under the

Road Transport (Driver Licensing) Act 1998

Her Excellency the Governor, with the advice of the Executive Council, has made the following Regulation under the *Road Transport (Driver Licensing) Act 1998*.

CARL SCULLY, M.P.,
Minister for Roads

Explanatory note

The object of this Regulation is to amend the *Road Transport (Driver Licensing) Regulation 1999* so as to make provision with respect to the suspension of a drivers licence held by a person who, while driving a motor vehicle, occasions death or grievous bodily harm to some other person as a result of having become incapable of controlling the motor vehicle.

This Regulation is made under the *Road Transport (Driver Licensing) Act 1998*, including section 19 (the general power to make regulations) and section 20.

Clause 1 Road Transport (Driver Licensing) Amendment (Suspension of Licences)
Regulation 2001

Road Transport (Driver Licensing) Amendment (Suspension of Licences) Regulation 2001

1 Name of Regulation

This Regulation is the *Road Transport (Driver Licensing) Amendment (Suspension of Licences) Regulation 2001*.

2 Commencement

This Regulation commences on 17 August 2001.

3 Amendment of Road Transport (Driver Licensing) Regulation 1999

The *Road Transport (Driver Licensing) Regulation 1999* is amended as set out in Schedule 1.

4 Notes

The explanatory note does not form part of this Regulation.

Road Transport (Driver Licensing) Amendment (Suspension of Licences)
Regulation 2001

Amendments

Schedule 1

Schedule 1 Amendments

(Clause 3)

[1] Clause 38 Variation, suspension or cancellation of driver licence

Insert after clause 38 (1):

(1A) Without limiting subclause (1), the Authority:

- (a) may suspend a person's driver licence if it appears to the Authority that, while driving a motor vehicle, the person has occasioned death or grievous bodily harm to some other person as a result of having become incapable of controlling the motor vehicle (for example, as a result of sleep or loss of consciousness), and
- (b) may do so regardless of whether the circumstances in which this has occurred have given rise to the person being prosecuted for an offence.

(1B) In deciding whether to suspend a person's driver licence under subclause (1A), the Authority need not inquire into the likelihood of the person again becoming incapable of controlling a motor vehicle in similar circumstances.

[2] Clause 39 Procedures for variation, suspension or cancellation of driver licence

Insert after clause 39 (4):

- (4A) A notice to suspend a person's driver licence under clause 38 (1A) may not be withdrawn except on the order of a Local Court in respect of an appeal under clause 6 of the *Road Transport (General) Regulation 1999*.

Road Transport (General) Amendment (Suspension of Licences) Regulation 2001

under the

Road Transport (General) Act 1999

Her Excellency the Governor, with the advice of the Executive Council, has made the following Regulation under the *Road Transport (General) Act 1999*.

CARL SCULLY, M.P.,
Minister for Roads

Explanatory note

The object of this Regulation is to amend the *Road Transport (General) Regulation 1999* so as to restrict the power of a Local Court to allow certain kinds of appeal against the suspension of a driver's licence.

This Regulation is made under the *Road Transport (General) Act 1999*, including section 71 (the general power to make regulations) and clause 24 of Schedule 2.

Clause 1 Road Transport (General) Amendment (Suspension of Licences)
 Regulation 2001

Road Transport (General) Amendment (Suspension of Licences) Regulation 2001

1 Name of Regulation

This Regulation is the *Road Transport (General) Amendment (Suspension of Licences) Regulation 2001*.

2 Commencement

This Regulation commences on 17 August 2001.

3 Amendment of Road Transport (General) Regulation 1999

The *Road Transport (General) Regulation 1999* is amended as set out in Schedule 1.

4 Notes

The explanatory note does not form part of this Regulation.

Road Transport (General) Amendment (Suspension of Licences)
Regulation 2001

Amendments

Schedule 1

Schedule 1 Amendments

(Clause 3)

Schedule 2, Savings and transitional provisions, clause 6

Insert after clause 6 (7):

- (7A) A Local Court may only allow an appeal against a decision to suspend a person's driver licence under the *Road Transport (Driver Licensing) Regulation 1999* on the grounds referred to in clause 38 (1A) of that Regulation if the Court is satisfied:
- (a) that there is nothing in the person's medical condition to suggest that the person is, or will again become, incapable of controlling a motor vehicle, and
 - (b) that the incident that led to the suspension of the licence:
 - (i) was caused by something other than the person's medical condition at the time, or
 - (ii) was caused by the person's medical condition at that time, being a condition to which the person is no longer subject.
- (7B) The fact that a person has been acquitted of an offence arising out of the incident that led to the suspension of the person's driver licence, following the person's allegation that the incident was caused by the person's medical condition at that time, is irrelevant to the Local Court's consideration of the matters referred to in subclause (7A) (b).

Orders

Health Services (Affiliated Health Organisations) Order 2001

under the

Health Services Act 1997

MARIE BASHIR, Governor

I, Professor Marie Bashir AC, Governor of the State of New South Wales, with the advice of the Executive Council, and in pursuance of section 62 of the *Health Services Act 1997*, make the following Order.

Dated, this 15th day of August 2001.

By Her Excellency's Command,

CRAIG KNOWLES, M.P.,
Minister for Health

Explanatory note

Under the *Health Services Act 1997*, an organisation or institution whose name is included in Column 1 of Schedule 3 is an affiliated health organisation in respect of any of its recognised establishments and recognised services.

The object of this Order is to amend Schedule 3 to the *Health Services Act 1997*:

- (a) to provide that Catholic Health Care Services Limited is not an affiliated health organisation, and
- (b) to exclude Mt St Joseph's Residential Care Facility from the recognised establishments and recognised services of Mercy Care Centre, Young and to reflect a change of name by that affiliated health organisation, and

Health Services (Affiliated Health Organisations) Order 2001

Explanatory note

- (c) to reflect a change of name by the Royal Flying Doctor Service of Australia (South Eastern Section), and
- (d) to exclude St Joseph's Nursing Home, Lismore from the recognised establishments and recognised services of the Trustees of the Roman Catholic Church for the diocese of Lismore.

Health Services (Affiliated Health Organisations) Order 2001

Clause 1

Health Services (Affiliated Health Organisations) Order 2001

1 Name of Order

This Order is the *Health Services (Affiliated Health Organisations) Order 2001*.

2 Commencement

This Order commences on 1 September 2001.

3 Amendment of Schedule 3 to the Health Services Act 1997 No 154

The *Health Services Act 1997* is amended as set out in Schedule 1.

4 Notes

The explanatory note does not form part of this Order.

Health Services (Affiliated Health Organisations) Order 2001

Schedule 1 Amendments

Schedule 1 Amendments

(Clause 3)

[1] Schedule 3 Affiliated health organisations

Omit the matter relating to Catholic Health Care Services Limited.

[2] Schedule 3

Omit the matter relating to Mercy Care Centre Ltd. Insert instead:

Mercy Care Centre, Young	Mercy Care Centre, Young excluding Mt St Joseph's Residential Care Facility.
--------------------------	--

[3] Schedule 3

Omit the matter relating to Royal Flying Doctor Service of Australia (NSW Section).

Insert instead:

Royal Flying Doctor Service of Australia (South Eastern Section)	All services.
--	---------------

[4] Schedule 3

Omit the matter relating to the Trustees of the Roman Catholic Church for the diocese of Lismore.

Insert instead:

The Trustees of the Roman Catholic Church for the diocese of Lismore	St Vincent's Community Hospital (Lismore) in respect of the day hospital, the rehabilitation unit and the community health facilities.
--	--

Rules

LEGAL PROFESSION ACT 1987

LEGAL PRACTITIONERS TRANSITIONAL ADMISSION RULES 1994

By decision of the Legal Practitioners Admission Board, the Legal Practitioners Transitional Admission Rules are amended as follows:

In rule 80:

amend subrule (1) by inserting after “*Examinations*” the words “*or equivalent examinations prescribed by the then Barristers and Solicitors Admission Boards after 22 August 1965*”; and

insert subrule (5) *A person applying under this rule to receive a diploma to which he or she is entitled on account of examinations completed more than 3 years before the date of application shall pay the fee prescribed in the Third Schedule for original diplomas and certificates.*

OFFICIAL NOTICES

Appointments

EDUCATION ACT 1990

Notification of Appointment of Members Board of Studies

I, JOHN JOSEPH AQUILINA, Minister for Education and Training, in pursuance of Schedule 1, Clause 8 of the Education Act 1990, appoint the following persons as Members of the Board of Studies, being nominees provided by that section of the said Act in brackets after their names, for a term commencing on and from 5 July 2001 to 4 July 2004:

Dr Brian CROKE [section 100 (3) (c)]

Mr Philip HEATH [100 (3) (d)]

Assoc Prof Sue DOCKETT [100 (3) (i)]

Mr Stepan KERKYASHARIAN [100 (3) (k)]

Ms Judith KING [100 (3) (g)]

JOHN JOSEPH AQUILINA, M.P.,
Minister for Education and Training

EDUCATION ACT 1990

Notification of Appointment of Members Board of Studies

I, JOHN JOSEPH AQUILINA, Minister for Education and Training, in pursuance of Schedule 1, Clause 8 of the Education Act 1990, appoint the following persons as Members of the Board of Studies, being nominees provided by that section of the said Act in brackets after their names, for a term commencing on and from 1 August 2001 to 31 July 2004:

Ms Dianne BUTLAND [100 (3) (b)]

Ms Mary FOGARTY [100 (3) (h)]

Mr Ian MORRIS [100 (3) (b)]

JOHN JOSEPH AQUILINA, M.P.,
Minister for Education and Training

EDUCATION ACT 1990

Notification of Appointment of Members Board of Studies

I, JOHN JOSEPH AQUILINA, Minister for Education and Training, in pursuance of Schedule 1, Clause 8 of the Education Act 1990, appoint the following persons as Members of the Board of Studies, being nominees provided by that section of the said Act in brackets after their names, for a term commencing on and from 15 August 2001 to 14 August 2004:

Ms Caroline BENEDET [100 (3) (f)]

Ms Janet CHAN [100 (3) (g)]

Mr Charles DAVISON [100 (3) (j)]

Br Kelvin CANAVAN [100 (3) (k)]

JOHN JOSEPH AQUILINA, M.P.,
Minister for Education and Training

EDUCATION ACT 1990

Notification of Appointment Board of Studies

I, JOHN JOSEPH AQUILINA, Minister for Education and Training, in pursuance of Schedule 1, Clause 8 of the Education Act 1990, appoint Professor Kevin Malcolm McCONKEY as a Member of the Board of Studies, being a nominee provided under section 100 (3) (a), for a term commencing on and from 1 May 2001 until 30 April 2004.

JOHN JOSEPH AQUILINA, M.P.,
Minister for Education and Training

TOURISM NEW SOUTH WALES ACT 1984

Appointment of Part-Time Member Tourism New South Wales

IT is hereby notified that in pursuance of section 4 (3), 4 (4) and 4 (5) of the Tourism New South Wales Act 1984 (as amended), Ruth FAGAN be appointed a part-time member of the Board of Tourism New South Wales, from the date of appointment for the term of office specified:

To reappoint Ruth FAGAN as a part-time member of the Board of Tourism New South Wales, for a period for three years expiring on 31 August 2004.

SANDRA NORI, M.P.,
Minister for Small Business
and Minister for Tourism

WASTE RECYCLING AND PROCESSING SERVICE ACT 1970

Chief Executive Service Appointment Under Section 8B

HER Excellency the Governor with the advice of the Executive Council has approved, pursuant to the provisions of the Waste Recycling and Processing Service Act 1970, that the officer listed below be appointed to act in the chief executive service position as specified:

Waste Recycling and Processing Service of New South Wales

Ken KANOFSKI, Managing Director [13 August 2001 – until substantively filled].

The Hon. BOB DEBUS, M.P.,
Attorney General, Minister for the Environment,
Minister for Emergency Services
and Minister Assisting the Premier on the Arts

NSW Agriculture

STOCK DISEASES ACT 1923

Notification No. 1638

Revocation of ìMarginalî Quarantine Area ñ
Lewis Ponds

I, RICHARD AMERY MP, Minister for Agriculture, pursuant to sections 3(2)(a) and 10 of the Stock Diseases Act 1923, revoke Notification No.1616 on account of Johnes disease published in *Government Gazette* No.37 of 9 February 2001 at page 596.

Dated this 6th day of August 2001.

RICHARD AMERY, M.P.,
Minister for Agriculture
Minister for Land and Water Conservation

STOCK DISEASES ACT 1923

Notification No. 1639

Revocation of ìBrightling Parkî Quarantine Area ñ
Georges Plains

I, RICHARD AMERY MP, Minister for Agriculture, pursuant to sections 3(2)(a) and 10 of the Stock Diseases Act 1923, revoke Notification No.1489 on account of Johnes disease published in *Government Gazette* No.161 of 13 November 1998 at page 8804.

Dated this 6th day of August 2001.

RICHARD AMERY, M.P.,
Minister for Agriculture
Minister for Land and Water Conservation

NSW Fisheries

FISHERIES MANAGEMENT ACT 1994

Notice of Receipt of Application for Aquaculture Lease

Section 163

THE following applications for a Class 1 Aquaculture Lease has been made by:

Mr Gregory Bridge of Bangor, for an area of about 7.656 hectares, situated in North Arm Cove Port Stephens, Parish of Sutton, County of Gloucester, and being over expired aquaculture lease OL85/073.

Specific details of the proposed leases can be obtained by contacting NSW Fisheries at Port Stephens.

Written submissions to the granting of the above leases may be lodged with the Aquaculture Administration Section, NSW Fisheries, Private Bag 1, Nelson Bay, NSW 2315, within thirty (30) days from the date of publication of this notice.

The Hon EDWARD OBEID, OAM, M.L.C.,
Minister for Mineral Resources
and Minister for Fisheries

FISHERIES MANAGEMENT ACT 1994 FISHERIES MANAGEMENT (AQUACULTURE) REGULATION 1995

Section 177(c) ñ Notice of Aquaculture Lease Cancellation

THE Minister has cancelled the following aquaculture lease:

OL85/130 within the estuary of the Manning River having an area of 0.1804 hectares formerly leased by B M and G W Robertson.

OL85/209 within the estuary of the Manning River having an area of 0.5831 hectares formerly leased by B M and G W Robertson.

OL85/213 within the estuary of the Manning River having an area of 0.4165 hectares formerly leased by B M and G W Robertson.

OL93/044 within the estuary of the Manning River having an area of 0.4023 hectares formerly leased by B M and G W Robertson.

OL92/029 within the estuary of the Manning River having an area of 1.3563 hectares formerly leased by R S and V Smith.

The Hon EDWARD OBEID, OAM, M.L.C.,
Minister for Mineral Resources
and Minister for Fisheries

FISHERIES MANAGEMENT ACT 1994 FISHERIES MANAGEMENT (AQUACULTURE) REGULATIONS 1995

Clause 33(3) ñ Notice of Granting of Class 1 Aquaculture Lease

THE Minister has granted the following Class 1 Aquaculture Lease:

Within the estuary of Port Stephens ñ Nelson Bay having an area of 0.5900 hectares to Mr and Mrs De Koeyer of Medowie, NSW, for a term of 15 years expiring on 29 September 2015.

The Hon EDWARD OBEID, OAM, M.L.C.,
Minister for Mineral Resources
and Minister for Fisheries

FISHERIES MANAGEMENT ACT 1994 FISHERIES MANAGEMENT (AQUACULTURE) REGULATIONS 1995

Clause 35(4) ñ Notice of Class 1 Aquaculture Lease Renewal

THE Minister has renewed the following aquaculture leases:

OL85/081 within the estuary of the Moruya River having an area of 0.2365 hectares to James Harry Croucher of Narooma NSW for a term of 15 years expiring on 10 April 2016.

OL83/134 within the estuary of Wallis Lake having an area of 3.1070 hectares to Graham J Barclay of Forster NSW for a term of 15 years expiring on 31 July 2016.

OL71/005 within the estuary of the Hastings River having an area of 0.6526 hectares to Gavin Thomas Wilton, Judith Anne Wilton, Lynn Hall and Joyce Evelyn Hall of Port Macquarie NSW for a term of 15 years expiring on 13 January 2017.

OL87/037 within the estuary of Port Stephens - Karuah having an area of 0.7220 hectares to Leonard Allan Lilley of Swan Bay NSW for a term of 15 years expiring on 20 June 2017.

OL57/189 within the estuary of the Manning River having an area of 0.8347 hectares to Grant Andrew Schubert and Darrell Eric Schubert of Forster NSW for a term of 15 years expiring on 30 June 2017.

The Hon EDWARD OBEID, OAM, M.L.C.,
Minister for Mineral Resources
and Minister for Fisheries

Department of Land and Water Conservation

Land Conservation

DUBBO OFFICE

Department of Land and Water Conservation
142 Brisbane Street (PO Box 865), Dubbo, NSW 2830
Phone: (02) 6841 5200 Fax: (02) 6841 5231

APPOINTMENT OF TRUST BOARD MEMBERS

PURSUANT to section 93 of the Crown Lands Act 1989, the persons whose names are specified in Column 1 of the Schedule hereunder are appointed, for the terms of office specified in that Column, as members of the trust board for the reserve trust specified opposite thereto in Column 3 of the Schedule.

RICHARD AMERY, M.P.,
 Minister for Agriculture, and
 Minister for Land and Water Conservation

SCHEDULE 1

COLUMN 1	COLUMN 2	COLUMN 3
Garry James CRAFT (re-appointment)	Elong Elong Public Hall Trust	Reserve No. 520107 Public Purpose: Public Hall Notified: 6 November 1964 Locality: Elong Elong File Reference: DB81R28
Ruth DARLINGTON (new member)		
Christopher Daniel		
Denis O'LEARY (re-appointment)		
Jennifer Helen TUNKS (re-appointment)		
Garry Arthur WALTERS (re-appointment)		

For a term commencing 21 September 2001 and expiring 20 September 2006.

SCHEDULE 2

COLUMN 1	COLUMN 2	COLUMN 3
Louis Michael SERDITY (new member)	Nevertire Public Hall Trust	Reserve No. 520086 Public Purpose: Public Hall Notified: 11 September 1936 Locality: Nevertire File Reference: DB81R67
Jeffrey Clayton SIBLEY (new member)		

For a term commencing this day and expiring 30 April 2004.

SCHEDULE 3

COLUMN 1	COLUMN 2	COLUMN 3
Hazel Jean ALTHOFER (re-appointment)	Burrendong Arboretum Trust	Reserve No. 120082 Public Purpose: Arboretum Notified: 22 June 1990 Locality: Mumbil File Reference: DB90R68
Harold Robert HARRIS (re-appointment)		
Eileen Annette HOLMES (re-appointment)		
Helen Mary O'BRIEN (re-appointment)		
Juliet Victrine TANKERSLEY (re-appointment)		
The person for the time being holding the office of CURATOR OF LIVING COLLECTIONS, Australian National Botanic Gardens, (ex-officio member)		
The person for the time being holding the office of MEMBER, Australian Plants Society, (ex-officio member)		
The person for the time being holding the office of CHAIRMAN, Friends of Burrendong Arboretum Inc., (ex-officio member)		
The person for the time being holding the office of COUNCILLOR, Wellington Council (ex-officio member)		
The person for the time being holding the office of SENIOR EDUCATION OFFICER, Western Plains Zoo, (ex-officio member)		

For a term commencing 16 August 2001 and expiring 15 August 2006.

GOULBURN OFFICE
Department of Land and Water Conservation
159 Auburn Street (PO Box 748), Goulburn, NSW 2580
Phone: (02) 4828 6725 Fax: (02) 4828 6730

ROADS ACT 1993**ORDER**

Transfer of Crown Road to a Council

IN pursuance of the provisions of Section 151 of the Act, the Crown Road specified in Schedule 1 is transferred to the roads authority specified in Schedule 2 hereunder as from the date of publication of this notice and as from that date the road specified in Schedule 1 ceases to be a Crown road.

RICHARD AMERY M.P.,
 Minister for Agriculture, and
 Minister for Land and Water Conservation

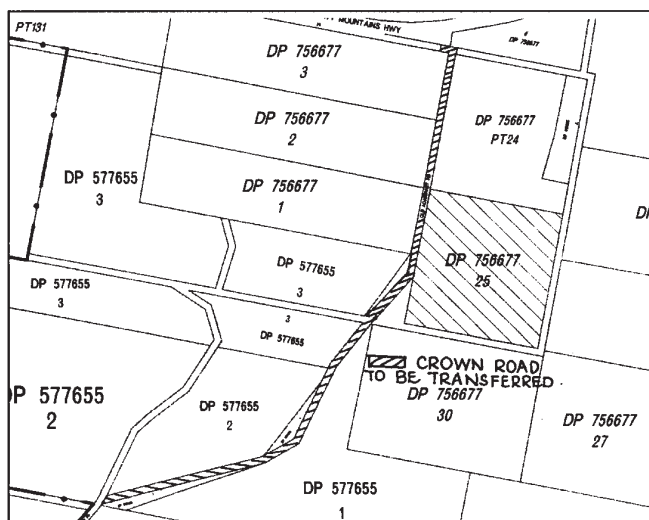
SCHEDULE 1

Parish – Bolaira; County – Wallace
Land District – Cooma; Shire – Snowy River

Description: East of Lots 3, 2 and 1, DP 756677 and east of Lots 3 and 2, DP 577655 as per Diagram below.

SCHEDULE 2

Roads Authority: The Council of the Shire of Snowy River. (Council's Reference: 3644) (Reference: GB01 H 276:JK)



NOTIFIED UNDER THE ROADS ACT 1993
RESUMPTION OF LAND FOR ROAD AND CLOSING
OF A ROAD

IN pursuance of the provisions of the Roads Act 1993 the land hereunder described in Schedule 1, is resumed for Public road purposes and is vested in the Council as a Public Council road. The land hereunder described in Schedule 2, is closed and the land comprised therein ceases to be a public road and the rights of passage and access that previously existed in relation to the road are extinguished.

RICHARD AMERY, M.P.,
 Minister of Agriculture and
 Minister for Land and Water Conservation

Parish – Belmore; County – Georgiana
Land District – Crookwell; Shire – Crookwell

SCHEDULE 1

DP 1026211 – Opening of a road within Lot 3, DP 48666. File No. GB 00 H 77

Land Acquired for Road: Lot 1.

Titles affected and area resumed: C.F. 3/48666 (6054 square metres).

SCHEDULE 2

Lots 2, D.P. 1026211. File No. GB 00 H 77

Notes: (1) On closing, the land in Lot 2, DP 1026211 vest in the Crown as Crown land.

(2) The land described in Schedule 2 will be used in compensation for the land acquired as described in Schedule 1, for the purposes of this Act.

NOTIFICATION OF CLOSING OF A ROAD

IN pursuance of the provisions of the Roads Act 1993, the road hereunder described is closed and the land comprised therein ceases to be a public road and the rights of passage and access that previously existed in relation to the road is extinguished.

RICHARD AMERY, M.P.,
Minister for Agriculture and
Minister for Land and Water Conservation

Description

*Parish – Belanglo; County – Camden
Land District – Moss Vale; Council – Wingecarribee*

Lot 1, DP 1031659 being Folio Identifier 1/1031659.
File Reference: GB 00 H 349:MB

Note: On closing the land in Lot 1, DP 1031659 remains land vested in the Crown as Crown land.

NOTIFICATION OF CLOSING OF A ROAD

IN pursuance of the provisions of the Roads Act 1993, the road hereunder described is closed and the land comprised therein ceases to be a public road and the rights of passage and access that previously existed in relation to the road is extinguished.

RICHARD AMERY, M.P.,
Minister for Agriculture, and
Minister for Land and Water Conservation

Description

*Parish – Yarrawa; County – Camden
Land District – Moss Vale; Council – Shoalhaven*

Lot 1, DP 1032110 being Folio Identifier 1/1032110.
File Reference: GB 00 H 80:MB

Note: On closing the land in Lot 1, DP 1032110 remains land vested in the Crown as Crown land.

GRIFFITH OFFICE

Department of Land and Water Conservation
2nd Floor, Griffith City Plaza,
120–130 Banna Avenue (PO Box 1030), Griffith, NSW 2680
Phone: (02) 6962 7522 Fax: (02) 6962 5670

NOTIFICATION OF CLOSING OF A PUBLIC ROAD

IN pursuance of the provisions of the Roads Act 1993, the road hereunder described is closed and the land comprised therein ceases to be a public road and the rights of passage and access that previously existed in relation to the road are extinguished.

RICHARD AMERY, M.P.,
Minister for Agriculture and
Minister for Land and Water Conservation

Description

*Land District – Narrandera
Local Government Area – Carrathool*

Lot 1, DP 1032025, Parish Conapaira East, County Cooper, (not being land under the Real Property Act). File No.: GH 99 H 84

Note: On closing, the land within Lot 1 becomes vested in the State of New South Wales as Crown land.

NOTIFICATION OF CLOSING OF A ROAD

IN pursuance of the provisions of the Roads Act 1993, the road hereunder described is closed and the land comprised therein ceases to be a public road and the rights of passage and access that previously existed in relation to the road are extinguished.

RICHARD AMERY, M.P.,
Minister for Agriculture and
Minister for Land and Water Conservation

Description

*Land District – Narrandera
Local Government Area – Narrandera*

Lot 1, DP 1022591, Parish Narrandera, County Cooper, (not being land under the Real Property Act). File No.: GH 95 H 1

Note: On closing, the land within Lot 1 remains vested in the Council of the Shire of Narrandera as operational land for the purposes of the Local Government Act 1993.

HAY OFFICE
Department of Land and Water Conservation
126 Lachlan Street (PO Box 182), Hay, NSW 2711
Phone: (02) 6993 1306 Fax: (02) 6993 1135

APPOINTMENT OF TRUST BOARD MEMBERS

PURSUANT to section 93 of the Crown Lands Act 1989, the persons whose names are specified in Column 1 of the Schedule hereunder are appointed, for the terms of office specified in that Column, as members of the trust board for the reserve trust specified opposite thereto in Column 2, which has been established and appointed as trustee of the reserve referred to opposite thereto in Column 3 of the Schedule.

RICHARD AMERY, M.P.,
Minister for Agriculture, and
Minister for Land and Water Conservation

SCHEDULE

COLUMN 1	COLUMN 2	COLUMN 3
Leonard James ANDERSON (re-appointment) John Samuel BOLITHO (re-appointment) John Michael LACY (re-appointment) Hayden John MAHER (re-appointment) Patricia Rosemary MAHER (new member) Robert John SHAW (re-appointment)	Finley Caravan Park Trust	Reserve No.: 88291 Public Purpose: Public Recreation Notified: 2 July 1971 Locality: Finley File Reference: HY81R139

For a term commencing 01 June 2001 and expiring on 30 May 2006.

MAITLAND OFFICE
Department of Land and Water Conservation
Newcastle Road (PO Box 6), East Maitland, NSW 2323
Phone: (02) 4934 2280 Fax: (02) 4934 2252

**PLAN OF MANAGEMENT FOR CROWN RESERVE
UNDER DIVISION 6 OF PART 5 OF THE CROWN
LANDS ACT 1989 AND CROWN LANDS
REGULATION 2000**

A DRAFT Generic Plan of Management has been prepared for Crown Foreshore Lands under the trusteeship of various Trusts Managed by Port Stephens Council.

The Draft Plan is now on public display at:

- Customer Service Counter Port Stephens Council Administrative Centre, Raymond Terrace,
- Department of Land and Water Conservation, Cnr Newcastle Road and Banks Street East Maitland,
- Raymond Terrace, Tomaree and Councils mobile library, during normal business hours.

The Plan will be displayed until 5.00 pm, 7 September 2001, and written representations are invited from the public until 5.00 pm, 21 September 2001. Representations should be sent to the General Manager, Port Stephens Council, PO Box 42, Raymond Terrace NSW 2324 and general inquiries may be directed to Brad Sutton of Council between 8.30 am and 4.30 pm Monday to Friday by phoning 02 4980 0356.

RICHARD AMERY, M.P.,
Minister for Agriculture and
Minister for Land and Water Conservation

Description

Crown Reserves categorised as foreshore reserves that are under the Trusteeship of Port Stephens Council and that are proposed to be subject to the draft Plan of Management are:

D570045 for Public Recreation and Plantation
R85047 for Public Recreation
R63326 for Public Recreation
R78605 for Public Recreation
R63322 for Public Recreation
R67366 for Public Recreation
R79059 for Public Recreation
R81389 for Public Recreation
R86928 for Public Recreation
R87848 for Public Recreation
R83850 for Public Recreation
R88440 for Public Recreation
R57164 for Public Recreation
File No.: MD01 A 3

NOWRA OFFICE
Department of Land and Water Conservation
64 North Street (PO Box 309), Nowra, NSW 2541
Phone: (02) 4423 0122 Fax: (02) 4423 3011

**DRAFT ASSESSMENT OF LAND UNDER PART 3 OF
 THE CROWN LANDS ACT 1989, AND THE CROWN
 LANDS REGULATIONS 2001**

THE Minister for Land and Water Conservation has prepared a draft land assessment for the Crown land described hereunder.

Inspection of this draft assessment can be made at the Nowra and Wollongong Offices of the Department of Land and Water Conservation, 64 North Street, Nowra and level 3, 84 Crown Street, Wollongong. The draft assessment may also be inspected at the Wollongong City Council Chambers, 41 Burelli Street, Wollongong East during normal business hours.

Representations are invited on the draft assessment and may be made in writing for a period commencing from 17 August until 17 September, 2001 and should be sent to the Land Assessment Officer, Department of Land and Water Conservation, PO Box 309, Nowra 2541.

RICHARD AMERY, M.P.,
 Minister for Agriculture and
 Minister for Land and Water Conservation

Description: Crown land at Helensburgh, comprising Lots 500-503, DP 836394, Parish of Heathcote, County of Cumberland within Wollongong City Council local government area.

Reason for assessment: to assist in the consideration of appropriate future land use and management options.

Contact: Mr Rob Micheli (Phone: (02) 4429 2909)

Reference: NA01 H36

ROADS ACT 1993

Order

Transfer of a Crown Road to a Council

IN pursuance of the provisions of section 151, Roads Act 1993, The Crown road specified in Schedule 1 is transferred to the Roads Authority specified in Schedule 2, hereunder, as from the date of publication of this notice and as from that date the road specified in Schedule 1 cease to be a Crown road.

RICHARD AMERY, M.P.,
 Minister for Agriculture and
 Minister for Land and Water Conservation

Description

*Land District – Bega; Council – Bega Valley Shire
 Parish – Bimmil ; County – Auckland*

SCHEDULE 1

The Crown public road known as Komirra Road at Eden adjoining the south western boundaries of Lot 181 DP 750192, end of road, and the western boundaries of lots 132 and 188, DP 750192. Reference: NA01H57.

SCHEDULE 2

Roads Authority: Bega Valley Shire Council – Reference 99.1322.

ROADS ACT 1993

Order

Transfer of a Crown Road to a Council

IN pursuance of the provisions of section 151, Roads Act 1993, The Crown road specified in Schedule 1 is transferred to the Roads Authority specified in Schedule 2, hereunder, as from the date of publication of this notice and as from that date the road specified in Schedule 1 cease to be a Crown road.

RICHARD AMERY, M.P.,
 Minister for Agriculture and
 Minister for Land and Water Conservation

Description

*Land District – Bega; Council – Bega Valley Shire
 Parishes – Brogo and Numbugga; County – Auckland*

SCHEDULE 1

The Crown public road known as Haslingdens Road at Scotland Yard separating Lot 12, DP 842226, Lot 117A, DP 750224, end of road and Lot 12, DP842226 from Lot 12, DP 576680, Lots 11, 2, 13, 1 and 10, DP 842226. Reference: NA80H2222/2.

SCHEDULE 2

Roads Authority: Bega Valley Shire Council – Reference: 90132.

ORANGE OFFICE
Department of Land and Water Conservation
92 Kite Street (PO Box 2146), Orange, NSW 2800
Phone: (02) 6393 4300 Fax: (02) 6362 3896

**ESTABLISHMENT OF A RESERVE TRUST AND
 APPOINTMENT OF TRUST MANAGER**

PURSUANT to section 92 (3) of the Crown Lands Act 1989, the reserve trust which is trustee of a reserve specified in Column 1 of the Schedule at the date hereof is dissolved.

Pursuant to section 92 (1) of the Crown Lands Act 1989, the reserve trust specified in Column 2 of the Schedule hereunder is established under the name stated in that Column and is appointed as trustee of the reserves specified opposite thereto in Column 2 of the Schedule.

Pursuant to section 95 of the Crown Lands Act 1989, the corporation specified in Column 1 of the Schedule hereunder is appointed to manage the affairs of the reserve trust specified opposite thereto in Column 2, which is trustee of the reserve referred to in Column 3 of the Schedule.

RICHARD AMERY, M.P.,
 Minister for Agriculture and
 Minister for Land and Water Conservation

SCHEDULE

COLUMN 1

Reserve 190062 at Cowra, for the purpose of Public Recreation, notified in the *Government Gazette* of 15th July 1988.

Reserve 7265 at Cowra, for the purpose of Public Recreation, notified in the *Government Gazette* of 15th September 1888.

Reserve 81349 at Cowra, for the purpose of Access and Plantation, notified in the *Government Gazette* of 16th January 1959.

Reserve 86559 at Cowra, for the purpose of Memorial, notified in the *Government Gazette* of 15th December 1967.

Reserve 96954 at Cowra, for the purpose of Public Utility, notified in the *Government Gazette* of 9th September 1983.

Reserve 190056 at Cowra, for the purpose of Museum and Tourist Information Centre, notified in the *Government Gazette* of 20th May 1988.

Reserve 10351 at Gooloogong, for the purpose of Public Recreation, notified in the *Government Gazette* of 14th December 1889.

Reserve 86544 at Walli, for the purpose of Public Recreation, notified in the *Government Gazette* of 24th November 1967.

Reserve 50131 at Woodstock, for the purpose of Public Recreation and Showground, notified in the *Government Gazette* of 19th August 1914.

Reserve 92988 at Woodstock, for the purpose of Public Recreation, notified in the *Government Gazette* of 4th July 1980.

Reserve 90814 at Noonbinna, for the purpose of Public Hall and Public Recreation, notified in the *Government Gazette* of 1st July 1977.

Reserve 190043 at Cowra, for the purpose of Preservation of Native Flora and Public Recreation, notified in the *Government Gazette* of 30th October 1987.

Reserve 60263 at Cowra, for the purpose of Public Recreation, notified in the *Government Gazette* of 20th January 1928.

Reserve 80087 at Cowra, for the purpose of Public Recreation, notified in the *Government Gazette* of 25th October 1957.

Reserve 84154 at Cowra, for the purpose of Public Recreation, notified in the *Government Gazette* of 25th January 1963.

Reserve 91351 at Cowra, for the purpose of Youth Centre, notified in the *Government Gazette* of 22nd December 1978.

Dedication 1000270 at Cowra, for the purpose of Park, notified in the *Government Gazette* of 22nd January 1886.

Reserve 89652 at Gooloogong, for the purpose of Public Recreation, notified in the *Government Gazette* of 14th November 1975.

Reserve 77251 at Wattamondara, for the purpose of Public Recreation, notified in the *Government Gazette* of 26th November 1954.

Reserve 91493 at Woodstock, for the purpose of Bush Fire Brigade Purposes, notified in the *Government Gazette* of 20th July 1979.

COLUMN 2

Cowra Shire Trust

COLUMN 3

Cowra Shire Council. File Reference: OE01A1

ROADS ACT 1993

ORDER

Transfer of Crown Road to a Council

IN pursuance of the provisions of section 151, Roads Act 1993, the Crown public roads specified in Schedule 1 are transferred to the Roads Authority specified in Schedule 2, hereunder, as from the date of publication of this notice and as from that date, the roads specified in Schedule 1 cease to be Crown public roads.

RICHARD AMERY, M.P.,
 Minister for Agriculture and
 Minister for Land and Water Conservation

SCHEDULE 1

Crown public road 20.115 metres wide north of Lot 22 in DP 756899, Parish of Orange, County of Wellington.

SCHEDULE 2

Road Authority: Orange City Council (Council Reference: 044.01.01). File No.: OE01H258

SYDNEY METROPOLITAN OFFICE
Department of Land and Water Conservation
2-10 Wentworth Street (PO Box 3935), Parramatta, NSW 2124
Phone: (02) 9895 7503 Fax: (02) 9895 6227

NOTIFICATION OF CLOSING OF ROAD

IN pursuance of the provisions of the Roads Act 1993, the road hereunder specified is closed and the road ceases to be public road and the rights of passage and access that previously existed in relation to the road are extinguished.

RICHARD AMERY, M.P.,
Minister for Agriculture and
Minister for Land and Water Conservation

Descriptions

Land District – Metropolitan
L.G.A – Waverley

Lot 1, DP 1011994 at North Bondi, Parish Alexandria County Cumberland (not being land under the Real Property Act). File No.: MN98H190

Notes: [1] On closing, title for the land in Lot 1 remains vested in Waverley Council as operational land.

[2] The road is closed subject to easement for electricity purposes as shown in DP 1011994.

APPOINTMENT OF ADMINISTRATOR

PURSUANT to section 117 of the Crown Lands Act 1989, the person named in Column 1 of the Schedule hereunder is appointed to be the administrator of the reserve trust named in Column 2 of the Schedule.

RICHARD AMERY, M.P.,
Minister for Agriculture and
Minister for Land and Water Conservation

SCHEDULE

COLUMN 1	COLUMN 2	COLUMN 3
Peter William MANN (for a period of three months commencing 19 August 2001 and expiring on 18 November 2001)	The Wentworth Park Sporting Complex Reserve Trust	That part of the area at Glebe proclaimed on 10 November 1885 for the public purpose of "Public Park" and known as the "Wentworth Park Sporting Complex" (D500010). File No.: MN80R279/9

ERRATUM

IN the notification appearing in the *Government Gazette* of 6 March 1998 folio 1223 under the heading "ASSIGNMENT OF NAME TO A RESERVE TRUST" Column 1 delete "D500218" and insert "D500281" in lieu thereof. MN92R87

RICHARD AMERY, M.P.,
Minister for Agriculture and
Minister for Land and Water Conservation

Water Conservation

WATER ACT 1912

AN APPLICATION under Part 2 of the Water Act 1912, being within a proclaimed (declared) local area under section 5 (4) of the Act.

Application for an Authority, under section 20 of Part 2 of the Water Act 1912 has been received as follows:

Murray River Valley

Bryan Bergin and Marie Therese GRAHAM for a pump on the Murray River, on Lot 1A, DP 24208, Parish of Benarca, County of Cadell, for water supply for stock and domestic purposes (replacement authority application – existing works) (GA2: 504512) (Reference: 50SA6585).

Any enquiries regarding the above should be directed to the undersigned (Phone: [03] 5881 2122).

Written objections to the application specifying the grounds thereof may be made by any statutory authority or a local occupier within the proclaimed area and must be lodged at the Department's Office at Deniliquin within 28 days of the date of this publication.

L. J. HOLDEN,
Acting Senior Natural Resource Officer
Murray Region

Department of Land and Water Conservation
PO Box 205, DENILIQUIN NSW 2710

WATER ACT 1912

APPLICATIONS under Part 2 within a Proclaimed (declared) Local Area under section 5 (4) of the Water Act 1912.

An application for a licence under section 10 for works within a proclaimed (declared) local area as generally described hereunder has been received from:

Murrumbidgee Valley

Wayne John MURPHY and Kathryn Jayne MURPHY for a bywash dam on unnamed watercourse Lots 191 and 242, DP 754868, Parish of Bedulluck, County of Murray, for a water supply for stock and domestic purposes and the irrigation of 10 hectares. New Licence. (Reference: 40SL70455).

Gregory Lewis BIRCH and Leigh Anne BRENNAN for a bywash dam on Jeir Creek, Lot 7, DP 832216, Parish of Jeir, County of Murray, for a water supply for stock and domestic purposes and the irrigation of 10 hectares. New Licence. (Reference: 40SL70459).

Judy HANCOCK and Paul HANCOCK for two hillside dams Lot 2, DP 835432, Parish of Murrumbateman, County of Murray, for a water supply for domestic purposes and the irrigation of 10 hectares. New Licence. (Reference: 40SL70412).

F. J. DORMAN HOLDINGS for a bywash dam on Gooda Creek, Lot 1, DP 811432, Parish of Jeir, County of Murray, for a water supply for stock purposes and the irrigation of 2 hectares. New Licence. (Reference: 40SL70399).

Helen CRISP for a pump and 2 bywash dams on Dunderalligo Creek, Lots 45, 166, 174, 185 and 191, DP 753596, Parish of Bowning, County of Harden, for a water supply for stock purposes and the irrigation of 10 hectares. New Licence. (Reference: 40SL70395).

Charlie DE NANTEUIL for a pump on Manton Creek, Lot 3011, DP 876812, Parish of Yass, County of King, for a water supply for irrigation purposes 10 hectares. New Licence. (Reference: 40SL70416).

Alexander Edward CRISP for a pump on Two Mile Creek, Lot 1, DP 588413 and Lot 245, DP 753596, Parish of Bowning, County of Harden, for the irrigation of 10 hectares. New Licence. (Reference: 40SL70417).

Peter John CRISP for a pump on Two Mile Creek, Lot 244, DP 753596, Parish of Bowning, County of Harden, for the irrigation of 10 hectares. New Licence. (Reference: 40SL70418).

Helen CRISP for a pump on Dunderalligo Creek, Lots 45, 166, 174, 185, 191, 192, 316, DP 753596, Parish of Bowning, County of Harden, for a water supply for stock purposes and the irrigation of 10 hectares. New Licence. (Reference: 40SL70419).

Gregory Charles CUTBUSH for a bywash dam on unnamed watercourse Lot 1, DP 554163, Parish of Ginninderra, County of Murray, for a water supply for stock purposes and the irrigation of 10 hectares. New Licence. (Reference: 40SL70425).

Kenneth Arthur GRUBB and Janet Elizabeth GRUBB for a pump on Yass River, Lot 1, DP 812233, Parish of Mundoonen, County of King, for the irrigation of 10 hectares. New Licence. (Reference: 40SL70426).

Alexander Edward CRISP for a pump on Two Mile Creek, Lot 245, DP 753596, Parish of Bowning, County of Harden, for the irrigation of 10 hectares. New Licence. (Reference: 40SL70394).

Peter John CRISP for a pump on Two Mile Creek, Lots 63, 224 and 244, DP 753596, Parish of Bowning, County of Harden, for the irrigation of 10 hectares. New Licence. (Reference: 40SL70393).

Pedro Gabriel VASQUEZ for a bywash dam on unnamed watercourse, Lot 17, DP 879780, Parish of Hume, County of Yass, for a water supply for stock and domestic purposes and the irrigation of 10 hectares. New Licence. (Reference: 40SL70382).

Philippa MORGAN for a pump on Yass River, Lot 210 and 3012, DP 754128, Parish of Manton, County of King, for the irrigation of 10 hectares. New Licence. (Reference: 40SL70362).

Richard Miles Lorne WELLMAN and Kathleen Imelda WELLMAN for a pump on unnamed watercourse, Lot 4, DP 244865, Parish of Wallaroo, County of Murray, for the irrigation of 10 hectares. New Licence. (Reference: 40SL70349).

Graeme Neil EHSMAN and Anne Myfanwy EHSMAN for a pump and two dams on unnamed watercourse, Lot 3, DP 819058, Parish of Bedulluck, County of Murray, for the irrigation of 8 hectares. New Licence. (Reference: 40SL70311).

Gregory Edward MARTIN and Lynette Kathleen MARTIN for a bywash dam on unnamed watercourse Lot 117, DP 754868, Parish of Bedulluck, County of Murray, for the irrigation of 7 hectares. New Licence. (Reference: 40SL70335).

Gregory Edward MARTIN and Lynette Kathleen MARTIN for a bywash dam on unnamed watercourse Lots 108, 198, 218, 219 and 245, DP 70336, Parish of Bedulluck, County of Murray, for the irrigation of 10 hectares. New Licence. (Reference: 40SL70336).

SHAW PROJECTS PTY LTD for a bywash dam on unnamed watercourse Portion 191, Parish of Nanima, County of Murray, for the irrigation of 10 hectares. New Licence. (Reference: 40SL70453).

Neil Ernest BATINICH for an earth tank on unnamed watercourse Lot 289, DP 753632, Parish of Wilkie, County of Harden, for the irrigation of 10 hectares. New Licence. (Reference: 40SL70466).

CRAIG ANTHONY SING for a bywash dam on unnamed watercourse lot 1, DP170928, Parish of Wilkie, County of Harden, for a water supply for stock and domestic purposes and the irrigation of 10 hectares. New Licence. (Reference: 40SL70391).

Peter John HAMBLIN and Helen Mary HAMBLIN for a pump and a bywash dam on unnamed watercourse Lot 2, DP 803940, Parish of Wilkie, County of Harden, for the irrigation of 10 hectares. New Licence. (Reference: 40SL70339).

HORTVEST HOLDINGS PTY LTD for a bywash dam on unnamed watercourse Lot 46, DP 753631, Parish of Wombat, County of Harden, for a water supply for stock and domestic purposes and the irrigation of 10 hectares. New Licence. (Reference: 40SL70357).

Bruce HUDSON and Debbie HUDSON for a bywash dam on unnamed watercourse Portions 91, 106, 107, Parish of Moppity, County of Harden, for irrigation of 10 hectares. New Licence. (Reference: 40SL70354).

SCARBOROUGH STUD PTY LTD for a pump on unnamed watercourse Lots 5 and 8, DP 259025, Parish of Goorooyarroo, County of Murray, for stock and domestic purposes and the irrigation of 10 hectares. New Licence. (Reference: 40SL70352).

David MADEW for a pump on unnamed watercourse Lot 60, DP 754883 and Lot 1, DP 126040, Parish of Gundaroo, County of Murray, for the irrigation of 10 hectares. New Licence. (Reference: 40SL70428).

Anthony Ivan DAY and Ingrid Moya DAY for a pump on Ballalaba Creek, Lot 12, DP 754866, Parish of Ballalaba, County of Murray, for the irrigation of 10 hectares. New Licence. (Reference: 40SL70375).

John Edward BOWE and Janelle Anne BOWE for a bywash dam on unnamed watercourse, Lot 81, DP 750564, Parish of Undoo, County of Beresford, for a water supply for domestic purposes and the irrigation of 1 hectare. New Licence. (Reference: 40SL70292).

Ross Lewis HARVEY and Helen Kay HARVEY for a bywash dam on unnamed watercourse, Lot 72, DP 757239, Parish of Kyeamba, County of Wynyard, for a water supply for domestic purposes and the irrigation of 5 hectares. New Licence. (Reference: 40SL70360).

Andrew Grant EVANS and Dianne Grace EVANS for a bywash dam on unnamed watercourse, Lot 126, DP 757245, Parish of Oberne, County of Wynyard, for a water supply for stock and domestic purposes and the irrigation of 10 hectares. New Licence. (Reference: 40SL70380).

Graeme William ASTRIDGE and Nanette Jean ASTRIDGE for two hillside dams and a pump, Lot 105, DP 750832, Parish of Currawananna, County of Burke, for the irrigation of 7 hectares. New Licence. (Reference: 40SL70333).

Kent DONALDSON and Suzanne DONALDSON for three hillside dams on unnamed watercourse Lot 296, DP 757214, Parish of Batlow, County of Wynyard, for the irrigation of 10 hectares. New Licence. (Reference: 40SL70431).

These applications are duly advertised as a necessary procedure to enable refusal, as required by the Water Act 1912.

The applications are to be refused following the introduction of a statutory embargo on the issue of new Licenses for irrigation purposes due to resource sustainability.

Any enquiries regarding the above should be directed to the undersigned (telephone 02 6953 0700).

Formal objections to the application specifying the grounds thereof, may be made by any statutory authority or a local occupier within the proclaimed area and must be lodged with the Department at Leeton within the 28 days as fixed by the Act.

S. F. WEBB,
Resource Access Manager
Murrumbidgee Region

Department of Land and Water Conservation
PO Box 156, LEETON NSW 2705

WATER ACT 1912

AN APPLICATION for a licence under Part 5 of the Water Act 1912, as amended, has been received as follows:

Murrumbidgee Valley

Lachlan Ian PATERSON for a bore on Lot 4, DP 756775, Parish of Nerang, County of Waradgery for a water supply for industrial purposes (pisciculture-experimental/research). Entitlement < 20 megalitres – (not subject to Lower Murrumbidgee Groundwater Embargo) New Licence. (Reference: 40BL188347)

Written submissions of support or objections with grounds stating how your interest may be affected must be lodged before 19 September, 2001 as prescribed by the Act.

S.F. WEBB,
Resource Access Manager
Murrumbidgee Region

Department of Land and Water Conservation
PO Box 156, LEETON NSW 2705

WATER ACT 1912

AN APPLICATION for a license, under the section 10 of Part 2 of the Water Act 1912, as amended, has been received as follows:

Graeme Ronald SCHUHKRAFT for two pumps on the Bega River being Lot 74/740006, Parish of Kameruka, County of Auckland for the irrigation of 80 hectares. (New licence) (Reference: 10SL55581) (GA2:493017).

Written objections specifying grounds thereof must be lodged with the Department within 28 days of the date of this publication as prescribed by the Act.

Natural Resource Project Officer
Sydney/South Coast Region

Department of Land and Water Conservation
PO Box 3935, PARRAMATTA NSW 2124

WATER ACT 1912

AN APPLICATION under Part 2, being within a proclaimed (declared) local area under section 10 of the Water Act 1912, as amended.

Application for a Licence within the proclaimed local area as generally described hereunder has been received as follows:

Namoi River Valley

Robert Anthony MAUNDER for four (4) pumps on the Namoi River on Lot 98/755470, Lot 91/755470 and Lot 185/755470, Parish of Baan Baa, County of Pottinger for water supply for stock and domestic purposes and irrigation of 86.5 hectares (cotton). Amalgamation of existing licences – no increase in entitlement. (Replaces a previous notice due to omission of a Licence). Reference: 90SL100566. GA2:493666.

Written objections to the application specifying the grounds thereof may be made by any statutory authority or local occupier within the proclaimed (declared) area, whose interest may be affected and must be lodged with the Department's Manager, Resource Access, Tamworth within 28 days as specified in the Act

GEOFF CAMERON,
Manager Resource Access

Department of Land and Water Conservation
PO Box 550, TAMWORTH NSW 2340

WATER ACT 1912

AN APPLICATION under Part 8, being within a Proclaimed (declared) Local Area under section 5 (4) of the Water Act.

An application for Approval of Controlled Work under section 167 within the Proclaimed (declared) Local Area described hereunder has been received as follows:

Lower Gwydir River Valley

Henry MOSES for Controlled Works (Earthworks, embankments or levees) – to include or in association with a storage dam on the Lower Gwydir Floodplain on Lot 13/751782 and Lot 33/751782, Parish of Nepickallina, County of Courallie on the property known as "Courallie" for conservation of water. (Reference: 90CW810890) (GA2:493665).

Written objections to the application specifying the grounds thereof may be made by any statutory authority or local occupier within the proclaimed (declared) area, whose interest may be affected and must be lodged with the Department's Manager, Resource Access, Tamworth by 11th September, 2001.

Plans showing the location of the works referred to in the above applications may be viewed at the Tamworth or Moree offices of the Department of Land and Water Conservation.

GEOFF CAMERON,
Manager Resource Access

Department of Land and Water Conservation
PO Box 550, TAMWORTH NSW 2340

Department of Mineral Resources

NOTICE is given that the following applications have been received:

EXPLORATION LICENCE APPLICATIONS

(T01-0167)

No. 1801, E.SETTLE PTY LTD (ACN 087 384 012), area of 18 units, for Group 1, dated 2 August, 2001. (Singleton Mining Division).

(T01-0169)

No. 1804, DEVON ROBERTS, area of 8 units, for Group 1, dated 8 August, 2001. (Broken Hill Mining Division).

MINING LEASE APPLICATION

(T01-0162)

No. 180, CSR LIMITED (ACN 000 001 276), area of about 29.1 hectares, to mine for brick clay and clay shale, dated 20 July, 2001. (Sydney Mining Division).

EDWARD OBEID, M.L.C.,
Minister for Mineral Resources

NOTICE is given that the following applications have been granted:

EXPLORATION LICENCE APPLICATIONS

(T00-0032)

No. 1593, now Exploration Licence No. 5852, TRI ORIGIN AUSTRALIA NL (ACN 062 002 475), Counties of Cunningham and Flinders, Map Sheet (8233), area of 26 units, for Group 1, dated 3 May, 2001, for a term until 2 May, 2003. As a result of the grant of this title, Exploration Licence No. 4446 has ceased to have effect and Exploration Licence No. 4967 has partly ceased to have effect.

(T00-0032)

No. 1593, now Exploration Licence No. 5878, TRI ORIGIN AUSTRALIA NL (ACN 062 002 475), Counties of Cunningham and Flinders, Map Sheet (8233), area of 32 units, for Group 1, dated 24 July, 2001, for a term until 23 July, 2003. As a result of the grant of this title, Exploration Licence No. 4067 and Exploration Licence No. 4446 have ceased to have effect and Exploration Licence No. 4967 has partly ceased to have effect.

(T01-0109)

No. 1751, now Exploration Licence No. 5880, RIMFIRE PACIFIC MINING NL (ACN 006 911 744), Counties of Burnett and Courallie, Map Sheet (8938), area of 20 units, for Group 6, dated 31 July, 2001, for a term until 30 July, 2003.

EDWARD OBEID, M.L.C.,
Minister for Mineral Resources

NOTICE is given that the following applications have been withdrawn:

EXPLORATION LICENCE APPLICATION

(T00-0178)

No. 1714, SITEGOAL PTY. LIMITED (ACN 052 317 503), County of Roxburgh, Map Sheet (8731). Withdrawal took effect on 7 August, 2001.

MINING LEASE APPLICATION

(T96-1135)

No. 65, BARNU PTY LIMITED (ACN 003 430 215), Parish of Guntawang, County of Phillip; and Parish of Biraganbil, County of Wellington, (8733-2-N, 8733-2-S). Withdrawal took effect on 8 August, 2001.

EDWARD OBEID, M.L.C.,
Minister for Mineral Resources

NOTICE is given that the following applications for renewal have been received:

(T99-0123)

Exploration Licence No. 5623, MILLENNIUM MINERALS (OPERATIONS) PTY LIMITED (ACN 077 507 521), area of 83 units. Application for renewal received 9 August, 2001.

(T99-0102)

Exploration Licence No. 5625, ANACONDA (NSW) PTY LIMITED (ACN 082 725 059), area of 32 units. Application for renewal received 9 August, 2001.

(T99-0039)

Exploration Licence No. 5628, ANACONDA (NSW) PTY LIMITED (ACN 082 725 059), area of 63 units. Application for renewal received 9 August, 2001.

EDWARD OBEID, M.L.C.,
Minister for Mineral Resources

RENEWAL OF CERTAIN AUTHORITIES

NOTICE is given that the following authorities have been renewed:

(T94-0245)

Exploration Licence No. 4818, TELMINEX NL (ACN 003 309 911), Counties of Bourke and Cooper, Map Sheet (8229), area of 19 units, for a further term until 27 March, 2003. Renewal effective on and from 30 July, 2001.

(T94-0616)

Exploration Licence No. 5005, SILVER STANDARD AUSTRALIA PTY LIMITED (ACN 009 250 051), County of Phillip, Map Sheet (8832), area of 7 units, for a further term until 12 May, 2003. Renewal effective on and from 30 July, 2001.

(T98-1082)

Exploration Licence No. 5549, ZEOMIN TECHNOLOGIES PTY LTD (ACN 058 694 849), County of Buckland, Map Sheet (9035), area of 2 units, for a further term until 26 January, 2003. Renewal effective on and from 31 July, 2001.

(T97-0478)

Mining Lease No. 647 (Act 1973), BORAL RESOURCES (NSW) PTY LIMITED (ACN 000 756 507), Parish of Marrangaroo, County of Cook, Map Sheet (8931-3-S), area of 148 hectares, for a further term until 26 September, 2006. Renewal effective on and from 31 July, 2001.

EDWARD OBEID, M.L.C.,
Minister for Mineral Resources

CANCELLATION OF PETROLEUM TITLES AT REQUEST OF HOLDERS

NOTICE is given that the following titles have been cancelled:

(C01-0134)

Petroleum Exploration Licence No. 421 (Act 1991), EASTERN ENERGY AUSTRALIA PTY LTD (ACN 009 321 662), Darling Basin, area of 136 blocks. Cancellation takes effect from the date of this gazette.

(C01-0134)

Petroleum Exploration Licence No. 423 (Act 1991), EASTERN ENERGY AUSTRALIA PTY LTD (ACN 009 321 662), Darling Basin, area of 86 blocks. Cancellation takes effect from the date of this gazette.

EDWARD OBEID, M.L.C.,
Minister for Mineral Resources

NOTICE is given that the following titles have been cancelled in part.

(C01-0134)

Petroleum Exploration Licence No. 422 (Act 1991), EASTERN ENERGY AUSTRALIA PTY LTD (ACN 009 321 662).

Description of area cancelled:

Bourke 1:1,000,000 Sheet.

Blocks 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2310, 2311, 2312, 2313, 2314,

2315, 2316, 2886, 2958, 2959, 2960, 3030, 3031, 3032, 3033, 3034, 3035, 3036, 3102, 3103, 3104, 3105, 3106, 3107, 3108, 3179, 3180, 3251, 3252, 3322, 3323, 3324, 3394, 3395, 3396.

Part cancellation takes effect from the date of this gazette.

(C01-0134)

Petroleum Exploration Licence No. 424 (Act 1991), EASTERN ENERGY AUSTRALIA PTY LTD (ACN 009 321 662).

Description of area cancelled.

Broken Hill 1:1,000,000 Sheet

Blocks 2227, 2228, 2229, 2230, 2299, 2300, 2301, 2302, 2371, 2372, 2373, 2374, 2443, 2444, 2445, 2446, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2579, 2580, 2581, 2582, 2586, 2587, 2588, 2589, 2590, 2651, 2723, 2795, 2867.

Part cancellation takes effect from the date of this gazette.

EDWARD OBEID, M.L.C.,
Minister for Mineral Resources

ERRATUM

THE date which appeared at the top of folios 5960 and 5962 of Department of Mineral Resources in *Government Gazette* No. 122 of 10 August 2001 incorrectly carried 3 August 2001. This erratum corrects the error.

COAL MINES REGULATION ACT 1982 REVOCATION OF APPROVAL

REVOKED APPROVAL No.: MDA B2265
FILE No.: C90/00657
DATE : 23 July 2001

IT is hereby notified that the Chief Inspector of Coal Mines, pursuant to the provisions of Clause 70 of the Coal Mines (General) Regulation, 1999, has REVOKED the following workshop identified by the Department's approval number quoted herein. This means that the workshop to which that approval number applied can no longer be used for the purpose of carrying out repairs or tests on explosion protected apparatus supplied to a coal mine in New South Wales, unless the workshop is re-approved.

Description: Workshop Approved for the purposes of carrying out repairs and tests on approved explosion protected apparatus.

Regulation(s): Clause 146(2) Coal Mines (Underground) Regulation 1999

Categories: Flameproof and increased safety apparatus

This approval was issued to,

Name: Sydney Flameproof and Engineering Pty Ltd

Address: Unit 1 / 29 Helles Avenue
MOOREBANK, NSW 2170

The approval was not notified in the *Government Gazette*, but issued by Certificate of Registration. Dated: 8 October 1990.

S. MILLINGTON,
Acting Senior Inspector of Electrical Engineering
Mine Safety and Environment Division

MDA B2265	File C90/00657	23 July 2001
Approval nominee: Sydney Flameproof and Engineering Pty Ltd		

Department of Urban Affairs and Planning

**ENVIRONMENTAL PLANNING AND ASSESSMENT ACT 1979
LAND ACQUISITION (JUST TERMS COMPENSATION) ACT 1991
NOTICE OF COMPULSORY ACQUISITION OF LAND IN
THE CITY OF BLACKTOWN**

The Minister administering the Environmental Planning and Assessment Act 1979 declares, with the approval of Her Excellency the Governor, that the land described in the Schedule below is acquired by compulsory process under the provisions of the Land Acquisition (Just Terms Compensation) Act 1991 for the purposes of the Environmental Planning and Assessment Act 1979.

Dated at Sydney this 11th day of July 2001

PROFESSOR MARIE BASHIR AC
Governor

By Her Excellency's Command

ANDREW REFSHAUGE MP
Deputy Premier
Minister for Urban Affairs and Planning
Minister for Aboriginal Affairs
Minister for Housing

SCHEDULE

All those pieces or parcels of land situated in the City of Blacktown, Parish of Prospect, County of Cumberland, shown as:

All that piece or parcel of land at Eastern Creek, in the City of Blacktown, Parish of Prospect, County of Cumberland being Lot C in Deposited Plan 408966 and being the whole of the land in Folio Identifier C/408966 also known as No. 314 Ferrers Road, Eastern Creek. Lot C is said to be in the ownership of Sam Muscat.

Bathurst Local Environmental Plan 1997 (Amendment No 3)

under the

Environmental Planning and Assessment Act 1979

I, the Minister for Urban Affairs and Planning, make the following local environmental plan under the *Environmental Planning and Assessment Act 1979*.
(S01/00338/S69)

ANDREW REFSHAUGE, M.P.,
Minister for Urban Affairs and Planning

Clause 1 Bathurst Local Environmental Plan 1997 (Amendment No 3)

Bathurst Local Environmental Plan 1997 (Amendment No 3)

1 Name of plan

This plan is *Bathurst Local Environmental Plan 1997 (Amendment No 3)*.

2 Aims of plan

This plan aims to rezone the land to which this plan applies from Zone No 1 (a) (the General Rural Zone) to Zone No 2 (a) (the Residential Zone) under *Bathurst Local Environmental Plan 1997*.

3 Land to which plan applies

This plan applies to land situated in the City of Bathurst, being part of Lot 26, DP 1017758, Ashworth Drive, Kelso, as shown edged heavy black on the map marked “Bathurst Local Environmental Plan 1997 (Amendment No 3)” held in the office of the Council of the City of Bathurst.

4 Amendment of Bathurst Local Environmental Plan 1997

Bathurst Local Environmental Plan 1997 is amended by inserting in appropriate order at the end of the definition of ***land use map*** in clause 28 (1) the following words:

Bathurst Local Environmental Plan 1997 (Amendment No 3)

Hawkesbury Local Environmental Plan 1989 (Amendment No 119)

under the

Environmental Planning and Assessment Act 1979

I, the Minister for Urban Affairs and Planning, make the following local environmental plan under the *Environmental Planning and Assessment Act 1979*.
(P99/00497/PC)

ANDREW REFSHAUGE, M.P.,
Minister for Urban Affairs and Planning

Clause 1 Hawkesbury Local Environmental Plan 1989 (Amendment No 119)

Hawkesbury Local Environmental Plan 1989 (Amendment No 119)

1 Name of plan

This plan is *Hawkesbury Local Environmental Plan 1989 (Amendment No 119)*.

2 Aims of plan

This plan aims:

- (a) to allow subdivision of the land to which the plan applies for the purposes of a 6 allotment community title development, and
- (b) to protect the scenic quality and environmental sensitivity of that land by identifying the land as an environmental constraint area.

3 Land to which plan applies

This plan applies to Lot 1 DP 838854, No 484 Terrace Road, Freemans Reach as shown edged in red on the map marked “Hawkesbury Local Environmental Plan 1989 (Amendment No 119)” deposited in the offices of the Council of the City of Hawkesbury.

4 Amendment of Hawkesbury Local Environmental Plan 1989

Hawkesbury Local Environmental Plan 1989 is amended as set out in Schedule 1.

Hawkesbury Local Environmental Plan 1989 (Amendment No 119)

Amendments

Schedule 1

Schedule 1 Amendments

(Clause 4)

[1] Clause 5 Definitions

Insert in appropriate order at the end of the definition of *the map* in clause 5 (1):

Hawkesbury Local Environmental Plan 1989 (Amendment No 119).

[2] Clause 50

Insert after clause 49:

50 Certain development on Lot 1 DP 838854, No 484 Terrace Road, Freemans Reach

- (1) This clause applies to Lot 1 DP 838854, No 484 Terrace Road, Freemans Reach as shown edged in red on the map marked “Hawkesbury Local Environmental Plan 1989 (Amendment No 119)”.
- (2) Despite clause 11, the Council may consent to a subdivision of land to which this clause applies only if:
 - (a) the Council has considered the matters set out in subclause (3), and
 - (b) the number of allotments to be created by the subdivision does not exceed 6 (including any community allotment), and
 - (c) a geotechnical assessment has been undertaken and submitted to the Council that demonstrates that the land is adequate for on-site disposal of effluent in accordance with best practices, and
 - (d) in the opinion of the Council there are no significant adverse impacts on Cumberland Plain Woodland (within the meaning of clause 41AA) from any proposed or likely development on the land following the subdivision, and

Hawkesbury Local Environmental Plan 1989 (Amendment No 119)

Schedule 1 Amendments

- (e) an assessment has been made and submitted to the Council of the impact on scenic quality of the area of any proposed or likely development on the land following the subdivision, and
 - (f) an assessment has been made and submitted to the Council of the impact on the escarpment area of any proposed or likely development on the land following the subdivision.
- (3) Before consenting to the subdivision of land to which this clause applies, the Council must consider the effect of any proposed or likely development following the subdivision on the following:
 - (a) water quality and water quantity in the Hawkesbury River and its tributaries,
 - (b) the scenic quality of the area,
 - (c) the escarpment area (including the likelihood of landslip along the escarpment),
 - (d) the landscape of the land and its surroundings (especially the impact of clearing, earthworks and other construction works),
 - (e) any threatened species or endangered ecological community within the meaning of the *Threatened Species Conservation Act 1995*.
- (4) The Council may consent to the erection of one, but not more than one, dwelling-house on each allotment (excluding any community allotment) created by a subdivision made in accordance with this clause.
- (5) Clearing of native vegetation on land to which this clause applies may only be carried out with the consent of Council.

Holroyd Local Environmental Plan 1991 (Amendment No 37)

under the

Environmental Planning and Assessment Act 1979

I, the Minister for Urban Affairs and Planning, make the following local environmental plan under the *Environmental Planning and Assessment Act 1979*.
(P01/00051/S69)

ANDREW REFSHAUGE, M.P.,
Minister for Urban Affairs and Planning

Clause 1 Holroyd Local Environmental Plan 1991 (Amendment No 37)

Holroyd Local Environmental Plan 1991 (Amendment No 37)

1 Name of plan

This plan is *Holroyd Local Environmental Plan 1991 (Amendment No 37)*.

2 Aims of plan

This plan aims to reclassify the public land to which this plan applies from community to operational land in accordance with Division 1 of Part 2 of Chapter 6 of the *Local Government Act 1993*.

3 Land to which plan applies

This plan applies to land situated in the City of Holroyd, being Lot 1, DP 123063, Foray Street, Guildford West, as shown edged heavy black on the map marked “Holroyd Local Environmental Plan 1991 (Amendment No 37)” deposited in the office of the Council of the City of Holroyd.

4 Amendment of Holroyd Local Environmental Plan 1991

Holroyd Local Environmental Plan 1991 is amended by inserting at the end of Part 2 of Schedule 5 the following words:

Lot 1, DP 123063, Foray Street, Guildford West, as shown edged heavy black on the map marked “Holroyd Local Environmental Plan 1991 (Amendment No 37)”—*Holroyd Local Environmental Plan 1991 (Amendment No 37)*”.

Hunter's Hill Local Environmental Plan No 40

under the

Environmental Planning and Assessment Act 1979

I, the Minister for Urban Affairs and Planning, make the following local environmental plan under the *Environmental Planning and Assessment Act 1979*.
(S01/00661/S69)

ANDREW REFSHAUGE, M.P.,
Minister for Urban Affairs and Planning

Clause 1 Hunter's Hill Local Environmental Plan No 40

Hunter's Hill Local Environmental Plan No 40

1 Name of plan

This plan is *Hunter's Hill Local Environmental Plan No 40*.

2 Aims of plan

This plan aims:

- (a) to provide for refreshment rooms as a use permissible with consent within Zones Nos 3 (b) (the Business Special zone) and 3 (c) (the Business Neighbourhood zone) under *Hunter's Hill Local Environmental Plan No 1*, and
- (b) to provide for shops as a use permissible with consent within Zone No 3 (b), and
- (c) to allow for additional uses which are consistent with the type of development permissible within Zones Nos 3 (b) and 3 (c), and
- (d) to rectify anomalies regarding permissible uses within Zones Nos 3 (b) and 3 (c) as a result of *Hunter's Hill Local Environmental Plan No 1 (Amendment No 36)*.

This plan also omits an unnecessary and out-of-date provision from *Hunter's Hill Local Environmental Plan No 1* by way of law revision.

3 Land to which plan applies

This plan applies to all land within Zones Nos 3 (b) and 3 (c) under *Hunter's Hill Local Environmental Plan No 1*.

4 Amendment of Hunter's Hill Local Environmental Plan No 1

Hunter's Hill Local Environmental Plan No 1 is amended in the manner set out in Schedule 1.

Hunter's Hill Local Environmental Plan No 40

Amendments

Schedule 1

Schedule 1 Amendments

(Clause 4)

[1] Clause 5 Arrangement

Omit the clause.

[2] Clause 9 Carrying out of development

Insert "refreshment rooms;" in alphabetical order in item 2 of the matter relating to Zones Nos 3 (b) and 3 (c) in the Table to the clause.

[3] Clause 9, Table

Insert "shops;" in alphabetical order in item 2 of the matter relating to Zone No 3 (b).

Marrickville Local Environmental Plan 2001 (Amendment No 2)

under the

Environmental Planning and Assessment Act 1979

I, the Minister for Urban Affairs and Planning, make the following local environmental plan under the *Environmental Planning and Assessment Act 1979*.
(S01/00764/S69)

ANDREW REFSHAUGE, M.P.,
Minister for Urban Affairs and Planning

Clause 1 Marrickville Local Environmental Plan 2001 (Amendment No 2)

Marrickville Local Environmental Plan 2001 (Amendment No 2)

1 Name of plan

This plan is *Marrickville Local Environmental Plan 2001 (Amendment No 2)*.

2 Aims of plan

This plan aims:

- (a) to rezone part of the land to which this plan applies (being a triangular piece of land at the rear of 15 The Boulevarde, Petersham) to the Light Industrial 4 (B) zone under *Marrickville Local Environmental Plan 2001*, and
- (b) to allow, with the consent of Marrickville Council, the carrying out of development of the land to which this plan applies for the purpose of the retailing of office furniture and stationery, and
- (c) to promote the economic use of the land.

3 Land to which plan applies

This plan applies to land situated within the local government area of Marrickville, being Lot 76, DP 597731, SP 51175 and part of Lot A, DP 904179 and known as 163A–181 New Canterbury Road and part of 15 The Boulevarde, Petersham, as shown edged heavy black on the map marked “Marrickville Local Environmental Plan 2001 (Amendment No 2)” deposited in the office of Marrickville Council.

4 Amendment of Marrickville Local Environmental Plan 2001

Marrickville Local Environmental Plan 2001 is amended:

- (a) by inserting in appropriate order in the definition of *the map* in Schedule 1 the following words:
Marrickville Local Environmental Plan 2001 (Amendment No 2)

Marrickville Local Environmental Plan 2001 (Amendment No 2)

Clause 4

-
- (b) by inserting at the end of Schedule 2, in Columns 1 and 2, respectively, the following matter:

**163A–181 New Canterbury
Road and part of 15 The
Boulevard, Petersham**

Lot 76, DP 597731, SP 51175
and part of Lot A, DP 904179, as
shown edged heavy black on the
map marked “Marrickville Local
Environmental Plan 2001
(Amendment No 2)”

Development for the purpose of
the retailing of office furniture
and stationery

Marrickville Local Environmental Plan 2001 (Amendment No 3)

under the

Environmental Planning and Assessment Act 1979

I, the Minister for Urban Affairs and Planning, make the following local environmental plan under the *Environmental Planning and Assessment Act 1979*.
(S01/00797/S69)

ANDREW REFSHAUGE, M.P.,
Minister for Urban Affairs and Planning

Clause 1 Marrickville Local Environmental Plan 2001 (Amendment No 3)

Marrickville Local Environmental Plan 2001 (Amendment No 3)

1 Name of plan

This plan is *Marrickville Local Environmental Plan 2001 (Amendment No 3)*.

2 Aims of plan

This plan aims to rezone the land to which this plan applies from Special Uses 5 (A) (School) to the Residential 2 (A) zone under *Marrickville Local Environmental Plan 2001* so as to accommodate uses consistent with that residential zone and to promote the economic use of the land in a manner compatible with its surroundings.

3 Land to which plan applies

This plan applies to land situated in the local government area of Marrickville, being Lot 1, DP 75270 and known as 36–38 Oxford Street, Newtown, as shown coloured pink on the map marked “Marrickville Local Environmental Plan 2001 (Amendment No 3)” deposited in the office of Marrickville Council.

4 Amendment of Marrickville Local Environmental Plan 2001

Marrickville Local Environmental Plan 2001 is amended by inserting in appropriate order in the definition of ***the map*** in Schedule 1 the following words:

Marrickville Local Environmental Plan 2001 (Amendment No 3)

Penrith Local Environmental Plan No 260

under the

Environmental Planning and Assessment Act 1979

I, the Minister for Urban Affairs and Planning, make the following local environmental plan under the *Environmental Planning and Assessment Act 1979*.
(P00/00012/S69)

ANDREW REFSHAUGE, M.P.,
Minister for Urban Affairs and Planning

Clause 1 Penrith Local Environmental Plan No 260

Penrith Local Environmental Plan No 260

1 Name of plan

This plan is *Penrith Local Environmental Plan No 260*.

2 Aims of plan

This plan aims:

- (a) to allow, with the consent of the Council of the City of Penrith, the carrying out of development on certain land at Jamisontown for the purpose of refreshment rooms used for the holding of wedding receptions, conferences and similar functions, and
- (b) to identify specific considerations that the Council must take into account when determining an application for consent to such development.

3 Land to which plan applies

This plan applies to land in the local government area of the City of Penrith, being Lot 1, DP 788126, and known as 6–22 Tench Avenue, Jamisontown, as shown edged heavy black on the map marked “Penrith Local Environmental Plan No 260” deposited in the office of the Council of the City of Penrith.

4 Amendment of Interim Development Order No 93—Penrith

Interim Development Order No 93—Penrith is amended by inserting after clause 41:

42 Development of certain land at Jamisontown

- (1) This clause applies to Lot 1, DP 788126, Tench Avenue, Jamisontown, as shown edged heavy black on the map marked “Penrith Local Environmental Plan No 260” deposited in the office of the council.
- (2) Nothing in this order prevents a person, with the consent of the council, from carrying out development on the land to which this clause applies for the purpose of refreshment rooms for the holding of weddings, conferences and similar functions.

Penrith Local Environmental Plan No 260

Clause 4

-
- (3) The council must not give consent to the carrying out of development referred to in subclause (2) unless the council has taken into consideration the following matters:
- (a) the design and siting of the development, having regard to:
 - (i) the potential impact of the development on the surrounding locality and on existing residents of the site, and
 - (ii) the visual appearance of the development when viewed from the F4 Freeway and the Nepean River, and
 - (b) the impact of the proposed development on the provision of community facilities and recreation areas within the existing site, and
 - (c) the adequacy of parking available on the site to cater for the holding of wedding receptions, conferences and similar functions.

Shellharbour Local Environmental Plan 2000 (Amendment No 3)

under the

Environmental Planning and Assessment Act 1979

I, the Minister for Urban Affairs and Planning, make the following local environmental plan under the *Environmental Planning and Assessment Act 1979*.
(W00/00095/S69)

ANDREW REFSHAUGE, M.P.,
Minister for Urban Affairs and Planning

Clause 1 Shellharbour Local Environmental Plan 2000 (Amendment No 3)

Shellharbour Local Environmental Plan 2000 (Amendment No 3)

1 Name of plan

This plan is *Shellharbour Local Environmental Plan 2000 (Amendment No 3)*.

2 Aims of plan

This plan aims to amend *Shellharbour Local Environmental Plan 2000* so as:

- (a) to permit development for residential purposes on land within Zone 7 (h) (the Environmental Protection (Living Area 2) zone), and
- (b) to require development consent for strata subdivisions, and
- (c) to replace the definitions of ***club***, ***filling***, ***home business***, ***home occupation*** and ***junk yard*** with definitions that better reflect Shellharbour City Council's intentions for such development, and
- (d) to include a definition of ***community facility*** and to allow community facilities as permissible development in appropriate zones, and
- (e) to allow educational establishments, places of assembly and places of public worship as permissible development in appropriate zones, and
- (f) to permit certain land to be used for additional land uses, and
- (g) to change the adoption date for the development control plans relating to exempt and complying development referred to in the year 2000 plan, and
- (h) to require development consent for home occupations involving the handling or preparation (or both) of food for sale or the carrying out of skin penetration procedures.

Shellharbour Local Environmental Plan 2000 (Amendment No 3)

Clause 3

3 Land to which plan applies

The plan applies to certain land within the local government area of Shellharbour, being:

- (a) in respect of the aim referred to in clause 2 (a)—all land within Zone 7 (h) (the Environmental Protection (Living Area 2) zone) under the year 2000 plan, and
- (b) in respect of the aims referred to in clause 2 (b)–(e), (g) and (h)—all land within the City of Shellharbour under the year 2000 plan, and
- (c) in respect of the aim referred to in clause 2 (f)—land known as the Croom Regional Sporting Complex, Croom Road, Croom, being Lot 2 DP 605565, Lot 3 DP 549511 and Lot 1 DP 216772.

4 Amendment of Shellharbour Local Environmental Plan 2000

Shellharbour Local Environmental Plan 2000 is amended as set out in Schedule 1.

Shellharbour Local Environmental Plan 2000 (Amendment No 3)

Schedule 1 Amendments

Schedule 1 Amendments

(Clause 4)

[1] Clauses 11, 12, 20–24, 27, 28, 30, 31, 33, 38, 39, 43, 44 and 49–53

Insert “(excluding an occupation or industry involving the handling or preparation (or both) of food for sale or the carrying out of skin penetration procedures as defined in the *Public Health Act 1991*)” after “home occupations” wherever occurring in clauses 11 (3), 12 (3), 20 (3), 21 (3), 22 (3), 23 (3), 24 (3), 27 (3), 28 (3), 30 (3), 31 (3), 33 (3), 38 (3), 39 (3), 43 (3), 44 (3), 49 (3), 50 (3), 51 (3), 52 (3) and 53 (3).

[2] Clauses 12 and 33

Insert “community facilities;” in alphabetical order in clauses 12 (5) and 33 (5).

[3] Clauses 38, 43 and 44

Insert in alphabetical order in clauses 38 (4), 43 (4) and 44 (4):

community facilities;
educational establishments;
places of assembly;
places of public worship;

[4] Clauses 38, 39, 43, 44 and 49–53

Insert “home occupations where the occupation or industry involves the handling or preparation (or both) of food for sale or the carrying out of skin penetration procedures as defined in the *Public Health Act 1991*,” in alphabetical order in clauses 38 (4), 39 (4), 43 (4), 44 (4), 49 (4), 50 (4), 51 (4), 52 (4) and 53 (4).

[5] Clause 53 General controls for development—Zone 7 (h) (the Environmental Protection (Living Area 2) zone)

Insert “dwelling houses;” in alphabetical order in clause 53 (4).

Shellharbour Local Environmental Plan 2000 (Amendment No 3)

Amendments

Schedule 1

[6] Clause 63 Controls for building dwelling houses within Zone 7 (h)

Omit the clause.

[7] Clause 77 Subdivision

Omit clause 77 (2). Insert instead:

- (2) Development consent is not required for subdivision for any one or more of the following purposes:
 - (a) to excise an allotment that will be used only for the purpose of opening a public road or to widen a public road,
 - (b) to make minor adjustments to common property boundaries,
 - (c) to amalgamate a vacant original holding with one or more other vacant original holdings,
 - (d) to rectify an encroachment on a vacant original holding.

[8] Clause 87 Exempt and complying development

Omit “23 November 1999” wherever occurring.

Insert instead “12 June 2001”.

[9] Schedule 1 Definitions

Omit the definitions of *club*, *filling*, *home business*, *home occupation* and *junk yard*.

Insert in alphabetical order:

club means premises that require registration under the *Registered Clubs Act 1976*.

community facility means a building or place that does not require registration under the *Registered Clubs Act 1976* and that is used to provide for the physical, cultural or intellectual development or welfare of the local community.

filling means the placement of fill independently of other development for which consent has been granted on an area:

- (a) within 40 metres of a water course, or

Shellharbour Local Environmental Plan 2000 (Amendment No 3)

Schedule 1

Amendments

- (b) to a depth greater than 1 metre above existing ground level and over an area exceeding 100 square metres on land within Zone 1 (a), or
- (c) to a depth greater than 200mm above existing ground level on land within any zone other than Zone 1 (a), or
- (d) where natural drainage to an adjacent property will be affected.

home business means a business carried on from the allotment that is the site of a lawfully erected dwelling house, where:

- (a) the majority of the business is carried on away from the dwelling house, with the dwelling house and its outbuildings and curtilage being used primarily as a base or office, and
- (b) the business will not:
 - (i) interfere with the amenity of the neighbourhood by reason of traffic generation, noise or otherwise, or
 - (ii) involve the exposure to view from any adjacent premises or from any public place of any goods associated with the business or any unsightly matter, or
 - (iii) involve the parking of heavy vehicles either on or adjacent to the property, or
 - (iv) involve the employment of persons other than the permanent residents of the dwelling house at the base or office, and
- (c) the dwelling house continues to be used for permanent residential occupation by the person carrying out the business.

home occupation means an occupation or industry carried on from the allotment that is the site of a lawfully erected dwelling, where:

- (a) the dominant use of the allotment remains that for which the land is zoned, and
- (b) two car parking spaces will be provided on the allotment, at least one of which is behind the building line, and

Shellharbour Local Environmental Plan 2000 (Amendment No 3)

Amendments

Schedule 1

-
- (c) the floor space of the building or the area used for the occupation or industry does not exceed 50 square metres and is located within the curtilage of the dwelling, and
 - (d) the occupation or industry does not:
 - (i) interfere with the amenity of the locality by reason of the emission of noise, vibration, smell, fumes, smoke, vapour, steam, soot, ash, dust, waste water, waste products, grit or oil, or otherwise, or
 - (ii) involve exposure to view from any adjacent premises or from any public place of any unsightly matter or any goods, or
 - (iii) require the provision of any essential service main of a greater capacity than that available in the locality, or
 - (iv) involve the exhibition of any notice, advertisement or sign other than a single notice to indicate the name, occupation and contact number of the resident, or
 - (v) employ more than one person who is not a permanent resident of the dwelling, or
 - (vi) involve the sale of items (whether goods or materials) or the exposure or offer for sale of items, by retail.

junk yard means land used for the collection, storage, dismantling or sale of scrap metals, vehicles or machinery or parts of vehicles or machinery.

[10] Schedule 6 Exceptions

Insert at the end of the Schedule:

Croom Regional Sporting Complex, being Lot 2 DP 605565, Lot 3 DP 549511 and Lot 1 DP 216772, Croom Road, Croom:

- (a) expositions—being events that bring together suppliers of a broad range of product lines and services that relate to a common theme for the primary purpose of exhibiting and explaining the products and services, but where sales may also form a part of the event, and

Shellharbour Local Environmental Plan 2000 (Amendment No 3)

Schedule 1

Amendments

- (b) trade fairs—being events that bring together a range of products or services that relate to an industry group for the purpose of demonstrating the range of products and services available to traders within that industry group.

Woollahra Local Environmental Plan 1995 (Amendment No 32)

under the

Environmental Planning and Assessment Act 1979

I, the Minister for Urban Affairs and Planning, make the following local environmental plan under the *Environmental Planning and Assessment Act 1979*.
(S00/01475/S69)

ANDREW REFSHAUGE, M.P.,
Minister for Urban Affairs and Planning

Clause 1

Woollahra Local Environmental Plan 1995 (Amendment No 32)

Woollahra Local Environmental Plan 1995 (Amendment No 32)

1 Name of plan

This plan is *Woollahra Local Environmental Plan 1995 (Amendment No 32)*.

2 Aims of plan

This plan aims:

- (a) to introduce into *Woollahra Local Environmental Plan 1995* objectives for the existing development standards with respect to floor space ratios, height of buildings and foreshore building lines, and
- (b) to introduce new development standards and objectives for minimum site areas and site frontages for residential flat buildings, and
- (c) to make a minor amendment to the description of the Residential “B” Zone, and
- (d) to amend the maximum permissible height of buildings on certain properties within the Residential “B” Zone, and
- (e) to amend the definition of **gross floor area**, and
- (f) to make a transitional provision with respect to development applications lodged, but not finally determined, before the commencement of this plan.

3 Land to which plan applies

This plan applies:

- (a) to the extent that it amends the maximum building height on certain land, to the land shown by distinctive colouring and marking on the map marked “*Woollahra Local Environmental Plan 1995 (Amendment No 32)—Height Map (Sheets 1 to 5)*” deposited in the office of Woollahra Council, and
- (b) in all other respects, to the land to which *Woollahra Local Environmental Plan 1995* applies.

Woollahra Local Environmental Plan 1995 (Amendment No 32)

Clause 4

4 Amendment of Woollahra Local Environmental Plan 1995

Woollahra Local Environmental Plan 1995 is amended as set out in Schedule 1.

Woollahra Local Environmental Plan 1995 (Amendment No 32)

Schedule 1 Amendments

Schedule 1 Amendments

(Clause 4)

[1] Clause 8 Development control tables

Omit all the matter in item 2 from the development control table for Zone No 2 (b) in clause 8.

Insert instead:

The Residential “B” Zone applies to areas characterised by existing medium density residential flat buildings and areas where potential has been identified for increased medium density residential development. Floor space and height controls, contained in Part 3, set the maximum permissible density and building heights for new development. Site area and frontage controls, also contained in Part 3, specify minimum site requirements for new development.

[2] Clauses 10A–11AA

Insert after clause 10:

10A Objectives of site area and site frontage standards for residential flat buildings

The objectives of the minimum site area and frontage standards set by clause 10B are as follows:

- (a) to achieve compatibility between the scale, density, bulk and landscape character of buildings and allotment size,
- (b) to provide sufficient space between buildings, to maximise daylight and sunlight access between buildings, to ensure adequate space for deep soil landscaping and to preserve view corridors,
- (c) to prevent permanent barriers to sub-surface water flows,
- (d) to ensure that there is sufficient land for car parking on site,
- (e) to encourage consolidation of allotments in appropriate locations to enable the development of a diversity of dwelling types.

Woollahra Local Environmental Plan 1995 (Amendment No 32)

Amendments

Schedule 1

10B Site area and frontage standards

- (1) A site must not be developed for the purpose of a residential flat building containing 3 dwellings or fewer unless the width of the site at the front alignment is 15 metres or more.

Note. No minimum site area requirements apply.

- (2) A site must not be developed for the purpose of a residential flat building containing 4 or more dwellings unless:
- (a) the site area is 930m² or more, and
 - (b) the width of the allotment at the front alignment is 21 metres or more.

11AA Objectives of floor space ratio standards

The objectives of the floor space ratio standards set by clause 11 are as follows:

- (a) to set the maximum density for new development,
- (b) to control building density, bulk and scale in all residential and commercial localities in the area in order to achieve the desired future character objectives of those localities,
- (c) to minimise adverse environmental effect on the use or enjoyment, or both, of adjoining properties, and
- (d) to relate new development to the existing character of the surrounding built and natural environment as viewed from the streetscape, the harbour or any other panoramic viewing point.

Note. The maximum permissible floor space ratio is not “as of right”. To achieve the maximum permissible floor space ratio, development must satisfy other relevant controls applicable to the land concerned.

Woollahra Local Environmental Plan 1995 (Amendment No 32)

Schedule 1 Amendments

[3] Clause 12AA Height of buildings

Insert before clause 12:

12AA Objectives of maximum building height development standards

The objectives of the maximum building height development standards set by clause 12 are as follows:

- (a) to minimise impact of new development on existing views of Sydney Harbour, ridgelines, public and private open spaces and views of the Sydney City skyline,
- (b) to provide compatibility with the adjoining residential neighbourhood,
- (c) to safeguard visual privacy of interior and exterior living areas of neighbouring dwellings,
- (d) to minimise detrimental impacts on existing sunlight access to interior living rooms and exterior open space areas and minimise overshadowing,
- (e) to maintain the amenity of the public domain by preserving public views of the harbour and surrounding areas and the special qualities of streetscapes.

Note. The maximum permissible building height is not “as of right”. To achieve the maximum permissible building height, development must satisfy other relevant controls applicable to the land concerned.

[4] Clause 22AA Foreshore building lines

Insert before clause 22:

22AA Objectives of foreshore building line standards

The objectives of the foreshore building line standards set by clause 22 are as follows:

- (a) to retain Sydney Harbour’s natural shorelines,
- (b) to provide larger foreshore setbacks at the points and heads of bays in recognition of their visual prominence,
- (c) to protect significant areas of vegetation and, where appropriate, provide areas for future planting which will not detrimentally impact on views of the harbour and its foreshores,

Woollahra Local Environmental Plan 1995 (Amendment No 32)

Amendments

Schedule 1

-
- (d) to protect the amenity of adjoining lands in relation to reasonable access to views and sunlight,
 - (e) to preserve the rights of property owners to maintain an encroachment on the foreshore building line by an existing main building,
 - (f) to protect rock platforms and the intertidal ecology.

[5] Clause 37

Insert after clause 36:

37 Savings and transitional provisions

- (1) A development application lodged with the Council, but not finally determined, before the commencement of *Woollahra Local Environmental Plan 1995 (Amendment No 32)* is to be determined as if that plan had been exhibited but had not been made.
- (2) An application to modify a consent under section 96 of the Act that was lodged but not finally determined before the commencement of *Woollahra Local Environmental Plan 1995 (Amendment No 32)* is to be determined as if that plan had been exhibited but had not been made.

[6] Schedule 1 Definitions

Omit the definition of **gross floor area**. Insert instead:

gross floor area, in relation to a building, means the sum of the areas of each level of the building, including:

- (a) the thickness of the external walls, and
- (b) the area of voids, staircases and lift shafts, counted at each level, and
- (c) that part of the area of balconies and verandahs which is in excess of 20m² per dwelling in the case of a building used or intended for use for residential purposes, or in excess of 10% of the site area in the case of a building used or intended for use for non-residential purposes, and
- (d) any other areas of the building where the height of those areas exceeds 1.5 metres above ground level,

Woollahra Local Environmental Plan 1995 (Amendment No 32)

Schedule 1 Amendments

and excluding:

- (e) car parking to meet the requirements of the Council and any vehicular access to the car park, and
- (f) any area used or intended for use as a car parking station, and
- (g) uncovered roof terraces, and
- (h) any area used or intended for use as an arcade.

[7] Schedule 1, definition of “height map”

Insert at the end of the definition of *height map*:

Woollahra Local Environmental Plan 1995 (Amendment No 32)—Height Map (Sheets 1 to 5)

Roads and Traffic Authority

ROADS ACT 1993

LAND ACQUISITION (JUST TERMS COMPENSATION) ACT 1991

Notice of Compulsory Acquisition of Land at Mullengandra
in the Hume Shire Council area

THE Roads and Traffic Authority of New South Wales by its delegate declares, with the approval of Her Excellency the Governor, that the land described in the schedule below is acquired by compulsory process under the provisions of the Land Acquisition (Just Terms Compensation) Act 1991 for the purposes of the Roads Act 1993.

D J Lorsch
Manager, Statutory Processes
Roads and Traffic Authority of New South Wales

SCHEDULE

All those pieces or parcels of land situated in the Hume Shire Council area, Parish of Mullengandra and County of Goulburn, shown as:

Lots 50, 56, 57 and 58 Deposited Plan 1001471, being the whole of the land in Certificate of Title 280/753350; and

Lots 283 and 284 Deposited Plan 721095 being the whole of the land in Certificate of Title 279/753350.

The land is said to be in the possession of the Crown, Richard Hugh Sloane and John Hamilton Sloane.

(RTA Papers FPP 2/202.1256)

ROADS ACT 1993

LAND ACQUISITION (JUST TERMS COMPENSATION) ACT 1991

Notice of Compulsory Acquisition of Land at South Grafton
in the Grafton City Council area

THE Roads and Traffic Authority of New South Wales by its delegate declares, with the approval of Her Excellency the Governor, that the land described in the schedule below is acquired by compulsory process under the provisions of the Land Acquisition (Just Terms Compensation) Act 1991 for the purposes of the Roads Act 1993.

D J Lorsch
Manager, Statutory Processes
Roads and Traffic Authority of New South Wales

SCHEDULE

All that piece or parcel of land situated in the Grafton City Council area, Parish of Southampton and County of Clarence, shown as Lot 1 Deposited Plan 1028761, being part of the land in Deed of Conveyance Book 995 No 158.

The land is said to be in the possession of the State Rail Authority of New South Wales.

(RTA Papers FPP 1M2073; RO 173.199)

ROADS ACT 1993**LAND ACQUISITION (JUST TERMS
COMPENSATION) ACT 1991**

Notice of Compulsory Acquisition of Land and Easements
and Dedication as Public Road of Land at Leura in the Blue
Mountains City Council area

THE Roads and Traffic Authority of New South Wales by its
delegate declares, with the approval of Her Excellency the
Governor, that the land described in schedule 1 and the
interest in the land described in schedule 2 below are
acquired by compulsory process under the provisions of the
Land Acquisition (Just Terms Compensation) Act 1991 for
the purposes of the Roads Act 1993 and further dedicates the
land described in Schedule 1 below as Public Road under
Section 10 of the Roads Act 1993.

D J Lorsch
Manager, Statutory Processes
Roads and Traffic Authority of New South Wales

SCHEDULE 1

All those pieces or parcels of Crown land situated in the Blue
Mountains City Council area, Parish of Jamison and County
of Cook, shown as Lots 7 and 8 Deposited Plan 842777,
being parts of Reserve No 51661 for Water Supply notified
in Government Gazette No 149 dated 25 August 1916 page
5070.

SCHEDULE 2

Easements to Drain Water variable widths shown [A], [B]
and [C] on Deposited Plan 842777 over Crown land, being
parts of Reserve No 51661 for Water Supply notified in
Government Gazette No 149 dated 25 August 1916 page
5070.

(RTA Papers FPP 5/44.12075)

ROADS ACT 1993**LAND ACQUISITION (JUST TERMS
COMPENSATION) ACT 1991**

Notice of Compulsory Acquisition of Land at Illalong in the
Yass Shire Council area

THE Roads and Traffic Authority of New South Wales by its
delegate declares, with the approval of Her Excellency the
Governor, that the land described in the schedule below is
acquired by compulsory process under the provisions of the
Land Acquisition (Just Terms Compensation) Act 1991 for
the purposes of the Roads Act 1993.

D J Lorsch
Manager, Statutory Processes
Roads and Traffic Authority of New South Wales

SCHEDULE

All that piece or parcel of public road situated in the Yass
Shire Council area, Parish of Mylora and County of Harden,
shown as Lot 60 Deposited Plan 870124.

The land is said to be in the possession of Yass Shire
Council.

(RTA Papers FPP 515.1110)

ROADS ACT 1993**Section 10**

Notice of Dedication of Land as Public Road at South
Pambula in the Bega Valley Shire Council area

The Roads and Traffic Authority of New South Wales
dedicates the land described in the schedule below as public
road under section 10 of the Roads Act 1993.

D J Lorsch
Manager, Statutory Processes
Roads and Traffic Authority of New South Wales

SCHEDULE

All those pieces or parcels of land situated in the Bega
Valley Shire Council area, Parish of Yowaka and County of
Auckland, shown as Lots 4, 5 and 6 Deposited Plan 220772.

(RTA Papers 1/32.1250)

ROADS ACT 1993**LAND ACQUISITION (JUST TERMS
COMPENSATION) ACT 1991**

Notice of Compulsory Acquisition of Land at Linden in the Blue Mountains City Council area.

THE Roads and Traffic Authority of New South Wales by its delegate declares, with the approval of Her Excellency the Governor, that the land described in the schedule below is acquired by compulsory process under the provisions of the Land Acquisition (Just Terms Compensation) Act 1991 for the purposes of the Roads Act 1993.

D J Lorsch
Manager Statutory Processes
Roads and Traffic Authority of New South Wales

SCHEDULE

All those pieces or parcels of land situated in the Blue Mountains City Council area, Parishes of Linden and Magdala and County of Cook, shown as:

Lots 4 and 8 Deposited Plan 1020629 and Lot 1 Deposited Plan 1023497, being parts of Railway confirmed by notification in Government Gazette dated 1 May 1863, page 1008; and

Lot 5 Deposited Plan 1020629, being part of the land in Certificate of Title 1/796874.

The land is said to be in the possession of the State Rail Authority of New South Wales.

(RTA Papers FPP 1M2225; RO 5/44.12273)

ROADS ACT 1993**LAND ACQUISITION (JUST TERMS
COMPENSATION) ACT 1991**

Notice of Compulsory Acquisition of Land at Faulconbridge in the Blue Mountains City Council area.

THE Roads and Traffic Authority of New South Wales by its delegate declares, with the approval of Her Excellency the Governor, that the land described in the schedule below is acquired by compulsory process under the provisions of the Land Acquisition (Just Terms Compensation) Act 1991 for the purposes of the Roads Act 1993.

D J Lorsch
Manager Statutory Processes
Roads and Traffic Authority of New South Wales

SCHEDULE

All that piece or parcel of land situated in the Blue Mountains City Council area, Parish of Magdala and County of Cook, shown as Lot 20 Deposited Plan 873996, being part of Railway confirmed by notification in Government Gazette dated 1 May 1863, page 1008.

The land is said to be in the possession of the State Rail Authority of New South Wales.

(RTA Papers FPP 1M2456; RO 5/44.12183)

ROADS ACT 1993

Section 10

Notice of Dedication of Land as Public Road at North Bega and Pambula in the Bega Valley Shire Council Area

THE Roads and Traffic Authority of New South Wales dedicates the land described in the schedule below as public road under section 10 of the Roads Act 1993.

D J Lorsch
Manager, Statutory Processes,
Roads and Traffic Authority of New South Wales.

SCHEDULE

All those pieces or parcels of land situated in the Bega Valley Shire Council area, Parishes of Yowaka and Brogo and County of Auckland, shown as:

Lots 14, 15 and 17 Deposited Plan 248388; and
Lot 19 Deposited Plan 238670.

(RTA Papers: 4/32.120).

ROADS ACT 1993**LAND ACQUISITION (JUST TERMS
COMPENSATION) ACT 1991**

Notice of Compulsory Acquisition of Land at Harris Park in the Parramatta City Council area

THE Roads and Traffic Authority of New South Wales by its delegate declares, with the approval of Her Excellency the Governor, that the land described in the schedule below is acquired by compulsory process under the provisions of the Land Acquisition (Just Terms Compensation) Act 1991 for the purposes of the Roads Act 1993.

D J Lorsch
Manager, Statutory Processes
Roads and Traffic Authority of New South Wales

SCHEDULE

All those pieces or parcels of Crown land situated in the Parramatta City Council area, Parish of St John, County of Cumberland, shown as Lots 11 and 19 Deposited Plan 1018526, being also the whole of Reserve 70654 for Public Recreation notified in Government Gazette No 106 of 24 July 1942, folio 2253.

(RTA Papers F4/354.11328)

ROADS ACT 1993**LAND ACQUISITION (JUST TERMS
COMPENSATION) ACT 1991**

Notice of Compulsory Acquisition of Land at Hoxton Park in the Liverpool City Council area

THE Roads and Traffic Authority of New South Wales by its delegate declares, with the approval of Her Excellency the Governor, that the land described in the schedule below is acquired by compulsory process under the provisions of the Land Acquisition (Just Terms Compensation) Act 1991 for the purposes of the Roads Act 1993.

D J Lorsch
Manager, Statutory Processes
Roads and Traffic Authority of New South Wales

SCHEDULE

ALL that piece or parcel of land situated in the Liverpool City Council area, Parish of St Luke and County of Cumberland, shown as Lot 3 Deposited Plan 586710, being the whole of the land in Certificate of title 3/586710.

The land is said to be in the possession of Alfred Vella and Rosina Vella.

(RTA Papers 1M2304; SCS 259.12153)

ROADS ACT 1993**Notice under Clause 17 of the road Transport
(Mass, Loading and Access) Regulation 1996**

Murray Shire Council, in pursuance of Division 2 of Part 3 of the Road Transport (Mass, Loading and Access) Regulation 1996, by this Notice, specify the routes and areas on or in which Road Trains may be used subject to any requirements or conditions set out in the Schedule.

Greg Murdoch
General Manager
Murray Shire Council
(by delegation from the Minister for Roads)

SCHEDULE**1. Citation**

This Notice may be cited as the Murray Shire Road Train Notice No. 2, 2001.

2. Commencement

This Notice takes effect from the date of Gazettal.

3. Effect

This Notice remains in force until 31 December 2005.

4. Application

This Notice applies to Road Trains which comply with Schedule 1 to the Road Transport (Mass, Loading and Access) Regulation 1996 and Schedule 4 to the Road Transport (Vehicle Registration) Regulation 1998.

5. Routes

Road Train routes within the Murray Shire Council.

TYPE	ROAD NO.	ROAD NAME	STARTING POINT	FINISHING POINT	CONDITIONS
RT	000	Mitchell Street, Mathoura	Cobb Highway (SH21)	Conargo Street	
RT	000	Livingstone Street, Mathoura	Mitchell Street	Edward Street	
RT	000	Conargo Street, Mathoura	Mitchell Street	350m north of Clifton Street	

ROADS ACT 1993**Notice under Clause 17 of the road Transport
(Mass, Loading and Access) Regulation 1996**

Murray Shire Council, in pursuance of Division 2 of Part 3 of the Road Transport (Mass, Loading and Access) Regulation 1996, by this Notice, specify the routes and areas on or in which B-Doubles may be used subject to any requirements or conditions set out in the Schedule.

Greg Murdoch
General Manager
Murray Shire Council
(by delegation from the Minister for Roads)

SCHEDULE**1. Citation**

This Notice may be cited as the Murray Shire B-Doubles Notice No. 1, 2001.

2. Commencement

This Notice takes effect from the date of Gazettal.

3. Effect

This Notice remains in force until 1 May 2006.

4. Application

This Notice applies to B-Doubles which comply with Schedule 1 to the Road Transport (Mass, Loading and Access) Regulation 1996 and Schedule 4 to the Road Transport (Vehicle Registration) Regulation 1998.

5. Routes**Part 2 - B-Double routes within the Murray Shire Council**

TYPE	ROAD NO.	AREA	ROUTE
25	000	Murray Shire	All Rural Roads within the Murray Shire Council except for residential streets in Mathoura and Moama unless those streets are approved.

Specific town streets in Moama & Mathoura to be approved are as follows :

TYPE	ROAD NO.	ROAD NAME	STARTING POINT	FINISHING POINT	CONDITIONS
25	000	Nicholas Drive (Moama)	Cobb Highway (SH21)	Echuca Street	
25	000	Echuca Street (Moama)	Meninya Street (SH21)	Nicholas Drive	
25	000	Shaw Street (Moama)	Meninya Street (SH21)	Entire length east of Meninya St	
25	000	Chanter Street (Moama)	Shaw Street	Entire length east of Shaw St	
25	000	Bremner Court (Moama)	Hickey Drive	Entire length south of Hickey Drive	
25	000	Dawson Street (Moama)	Eddy Avenue	Entire length east of Eddy Avenue	
25	000	Eddy Avenue (Moama)	Echuca Street	Entire length north of Echuca St	
25	000	Barber Court (Moama)	Nicholas Drive	Entire length	
25	000	Hickey Drive (Moama)	Nicholas Drive	Entire length east of Nicholas Drive	
25	000	Graham Street (Moama)	Nicholas Drive	Entire length south of Nicholas Drive	
25	000	Murphy Court (Moama)	Graham Street	Entire length	
25	000	Lawrence Street (Mathoura)	Carter Street	Forest Street	
25	000	Jones Street (Mathoura)	Conargo Street	Gulpa Creek	
25	000	Conargo Street (Mathoura)	Jones Street	Clifton Street	
25	000	Livingstone Street (Mathoura)	Mitchell St	Entire length north of Mitchell St	
25	000	Mitchell Street (Mathoura)	Cobb Highway (SH21)	Forest St	
25	000	Forest Street (Mathoura)	Mitchell Street	Lawrence Street	
25	000	Edward Street (Mathoura)	Conargo Street	Burnes Street	

ROADS ACT 1993**Notice under Clause 17 of the Roads Transport (Mass, Loading and Access)
Regulation, 1996**

Sutherland Shire Council, in pursuance of Division 2 of Part 3 of the Road Transport (Mass, Loading, Access) Regulation 1996, by this Notice, specify the routes and areas on or in which B-Doubles may be used subject to any requirements or conditions set out in the Schedule.

Type name

Type position

Sutherland Shire Council

(by delegation from the Minister for Roads)

Schedule**1. Citation**

This Notice may be cited as the Sutherland Shire Council B-Double Notice No 1/ 2001.

2. Commencement

This Notice takes effect from the date of gazettal.

3. Effect

This Notice remains in force until 1 July 2005 unless it is amended or repealed earlier.

4. Application

4.1 This Notice applies to B-Doubles which comply with Schedule 1 of the Road Transport (Mass, Loading and Access) regulation 1996 and Schedule 4 of the Road Transport (Vehicle Registration) Regulation 1998.

5. Routes**19m B-Double routes where the Gross Mass exceeds 50 tonnes within the
Sutherland Shire Council**

Type	Road	Starting point	Finishing point	Conditions
19	Allison Cr, Menai	Menai Rd	Old Menai Rd	

Sydney Water

SEWER MAINS

SYDNEY WATER

Sewer mains

NOTICE is hereby given that sewer mains as described below and shown on plans which may be inspected at the Office shown below and at the Head Office of Sydney Water Corporation, have been laid and are available for connections.

Notice is also given that, in the opinion of Sydney Water, for the identified properties on the plans, it is reasonably practical for sewerage to be discharged.

THE COUNCIL OF CAMDEN, AT HARRINGTON PARK: Contract Number 971018S7, Project Number 3001939. Lines 1-9, inclusive and its appurtenant junctions, sidelines and inlets serving CAMDEN VALLEY WAY.

Subject to the provisions of the Sydney Water Act 1994, the owners of all lands being identified properties on the plans will be liable for payment of sewerage service charges on and from the date of connection to these mains.

MITKO BALALOVSKI,
Developer Activity Officer
Urban Development
Liverpool Regional Office

Dated: 17 August 2001

SYDNEY WATER

Sewer mains

NOTICE is hereby given that sewer mains as described below and shown on plans which may be inspected at the Office shown below and at the Head Office of Sydney Water Corporation, have been laid and are available for connections.

Notice is also given that, in the opinion of Sydney Water, for the identified properties on the plans, it is reasonably practical for sewerage to be discharged.

CITY OF LIVERPOOL, AT CHIPPING NORTON: Contract Number 971998SA, Project Number 3001992. Property connection sewer line 1, inclusive and its appurtenant junctions, serving EPSOM ROAD and OVERTON AVENUE.

Subject to the provisions of the Sydney Water Act 1994, the owners of all lands being identified properties on the plans will be liable for payment of sewerage service charges on and from the date of connection to these mains.

VALDIS VIKSNE,
Developer Activity Officer
Liverpool Commercial Centre

Dated: 17 August 2001

SYDNEY WATER

Sewer mains

NOTICE is hereby given that sewer mains as described below and shown on plans which may be inspected at the Office shown below and at the Head Office of Sydney Water Corporation, have been laid and are available for connections.

Notice is also given that, in the opinion of Sydney Water, for the identified properties on the plans, it is reasonably practical for sewerage to be discharged.

BANKSTOWN COUNCIL, AT PUNCHBOWL: Contract Number 973029SA, Project Number 3002163. Sideline 1 inclusive and its appurtenant junctions sidelines and inlets serving CULLENS STREET and JOYCE STREET.

CANTERBURY COUNCIL, AT PUNCHBOWL: Contract Number 972977S1, Project Number 3002343. Sideline 1 inclusive and its appurtenant junctions sidelines and inlets serving WERONA AVENUE.

CANTERBURY COUNCIL, AT WILEY PARK: Contract Number 971339S9, Project Number 3001490. Sideline 1 inclusive and its appurtenant junctions sidelines and inlets serving KING GEORGES ROAD and EDNA STREET.

LEICHHARDT COUNCIL, AT ROZELLE: Contract Number 966501S8, Project Number 3000502. Line 1 inclusive and its appurtenant junctions sidelines and inlets serving CHELTENHAM STREET and FOUCART STREET.

ROCKDALE COUNCIL, AT BEXLEY: Contract Number 969430S2, Project Number 3001197. Sideline 1 inclusive and its appurtenant junctions sidelines and inlets serving REGINALD STREET and BEXLEY ROAD.

ROCKDALE COUNCIL, AT RAMSGATE: Contract Number 959337S9, Project Number 381602. Sideline 1 inclusive and its appurtenant junctions sidelines and inlets serving EMMALINE STREET.

SOUTH SYDNEY COUNCIL, AT BEACONSFIELD: Contract Number 972873SA, Project Number 3001912. Sideline 1 inclusive and its appurtenant junctions sidelines and inlets serving BEACONSFIELD STREET and VICTORIA STREET.

SYDNEY COUNCIL, AT SYDNEY: Contract Number 948947S4, Project Number 3000333. Line 1 inclusive and its appurtenant junctions sidelines and inlets serving JONES STREET.

WOOLLAHRA COUNCIL, AT ROSE BAY: Contract Number 970169S5, Project Number 3001991. Sideline 1 inclusive and its appurtenant junctions sidelines and inlets serving DOVER ROAD.

Subject to the provisions of the Sydney Water Act 1994, the owners of all lands being identified properties on the plans will be liable for payment of sewerage service charges on and from the date of connection to these mains.

GERRY DACOCO,
Developer Activity Officer

Dated: 17 August 2001

SYDNEY WATER

Sewer mains

NOTICE is hereby given that sewer mains as described below and shown on plans which may be inspected at the Office shown below and at the Head Office of Sydney Water Corporation, have been laid and are available for connections.

Notice is also given that, in the opinion of Sydney Water, for the identified properties on the plans, it is reasonably practical for sewerage to be discharged.

CITY OF WOLLONGONG, AT HELENSBURGH: Contract Number 970384S6, Project Number 3001841. Line 1 and sidelines 1-3, inclusive and their appurtenant junctions, sidelines and inlets serving VERA STREET.

CITY OF WOLLONGONG, AT WOONONA (EDGEWOOD ESTATE STAGE 1C): Contract Number 970402S3, Project Number 3001773. Lines 1-9, inclusive and their appurtenant junctions, sidelines and inlets serving COLLINS CREEK, BLUEBERRY CIRCUIT, FORESTVIEW WAY, RED ASH DRIVE.

CITY OF SHELLHARBOUR, AT SHELLHARBOUR (SHELLCOVE ESTATE STAGE 3F): Contract Number 970480S5, Project Number 3001973. Line 1-3, inclusive and their appurtenant junctions, sidelines and inlets serving BAUDIN AVENUE, TORRES CIRCUIT.

Subject to the provisions of the Sydney Water Act 1994, the owners of all lands being identified properties on the plans will be liable for payment of sewerage service charges on and from the date of connection to these mains.

MARGARET McTAINSH,
Developer Activity Officer

Dated: 17 August 2001

SYDNEY WATER

Sewer mains

NOTICE is hereby given that sewer mains as described below and shown on plans which may be inspected at the Office shown below and at the Head Office of Sydney Water Corporation, have been laid and are available for connections.

Notice is also given that, in the opinion of Sydney Water, for the identified properties on the plans, it is reasonably practical for sewerage to be discharged.

CITY OF LIVERPOOL, AT CASULA: Contract Number 971804S1, Project Number 3001575. Lines 1, 2 and 3, inclusive and its appurtenant junctions, sidelines and inlets serving KENDALL DRIVE and McCUBBIN PLACE.

Subject to the provisions of the Sydney Water Act 1994, the owners of all lands being identified properties on the plans will be liable for payment of sewerage service charges on and from the date of connection to these mains.

PETER ALLEN,
Developer Activity Officer
Liverpool Commercial Centre

Dated: 17 August 2001

SYDNEY WATER

Sewer mains

NOTICE is hereby given that sewer mains as described below and shown on plans which may be inspected at the Office shown below and at the Head Office of Sydney Water Corporation, have been laid and are available for connections.

Notice is also given that, in the opinion of Sydney Water, for the identified properties on the plans, it is reasonably practical for sewerage to be discharged.

CITY OF BLACKTOWN, AT MT DRUITT: Contract Number 973590S6, Project Number 3002102. Line 1, inclusive and its appurtenant junctions, sidelines and inlets serving CARLISLE AVENUE and DERWENT STREET.

CITY OF BLUE MOUNTAINS, AT WOODFORD: Contract Number 967600S6, Project Number 3001753. Line 1, inclusive and its appurtenant junctions, sidelines and inlets serving TAYLOR ROAD and PARKER STREET.

CITY OF BLUE MOUNTAINS, AT KATOOMBA: Contract Number 973453S2, Project Number 3002119. Lines 1 to 2, inclusive and its appurtenant junctions, sidelines and inlets serving KAMILLAROI ROAD, ACACIA STREET, CLIFF ROAD and NARROW NECK ROAD.

Subject to the provisions of the Sydney Water Act 1994, the owners of all lands being identified properties on the plans will be liable for payment of sewerage service charges on and from the date of connection to these mains.

ROBERT ROACH,
Developer Activity Officer
Blacktown Commercial Centre

Dated: 17 August 2001

SYDNEY WATER

Sewer mains

NOTICE is hereby given that sewer mains as described below and shown on plans which may be inspected at the Office shown below and at the Head Office of Sydney Water Corporation, have been laid and are available for connections.

Notice is also given that, in the opinion of Sydney Water, for the identified properties on the plans, it is reasonably practical for sewerage to be discharged.

CITY/MUNICIPALITY OF HORNSBY, AT NORMANHURST: Contract Number 965882S2, Project Number 3002080. Line 1 and property connection sewer line 1, inclusive and their appurtenant junctions, sidelines and inlets serving EATON AVENUE.

CITY/MUNICIPALITY OF HORNSBY, AT NORMANHURST: Contract Number 972618S9, Project Number 3001956. Line 1, inclusive and its appurtenant junctions, sidelines and inlets serving OSBORN ROAD.

CITY/MUNICIPALITY OF RYDE, AT DENISTONE EAST: Contract Number 972381S7, Project Number 3001710. Line 1 to line 2, inclusive and their appurtenant junctions, sidelines and inlets serving OLIVE STREET.

CITY/MUNICIPALITY OF HUNTERS HILL, AT HUNTERS HILL: Contract Number 970004S9, Project Number 3001389. Line 1, inclusive and its appurtenant junctions, sidelines and inlets serving DE MILHAU STREET and GLADESVILLE ROAD.

CITY/MUNICIPALITY OF CANTERBURY, AT HURLSTONE PARK: Contract Number 973411S4, Project Number 3002360. Line 1, inclusive and its appurtenant junctions, sidelines and inlets serving MELFORD STREET.

Subject to the provisions of the Sydney Water Act 1994, the owners of all lands being identified properties on the plans will be liable for payment of sewerage service charges on and from the date of connection to these mains.

MARTHA AMADOR,
Developer Activity Officer
Chatswood

Dated: 17 August 2001

SYDNEY WATER

Sewer mains

NOTICE is hereby given that sewer mains as described below and shown on plans which may be inspected at the Office shown below and at the Head Office of Sydney Water Corporation, have been laid and are available for connections.

Notice is also given that, in the opinion of Sydney Water, for the identified properties on the plans, it is reasonably practical for sewerage to be discharged.

SHIRE OF BAULKHAM HILLS, AT CASTLE HILL: Contract Number 963980S7, Project Number 3001561. Lines 1 to 4 inclusive and their appurtenant junctions, sidelines and inlets serving KINGUSSIE AVENUE.

SHIRE OF BAULKHAM HILLS, AT MOBBS HILL: Contract Number 960759S8, Project Number 3000771. Lines 1 to 9 and Lines 11 to 15 and Sideline 1 inclusive and their appurtenant junctions, sidelines and inlets serving GRIMES LANE, COMMUNITY ROAD and MARSDEN ROAD

CITY OF BLACKTOWN, AT GLENWOOD: Contract Number 968568SB, Project Number 3002063. Line 1 inclusive and their appurtenant junctions, sidelines and inlets serving GRECH PLACE, KETURAH STREET and SABINE STREET.

Subject to the provisions of the Sydney Water Act 1994, the owners of all lands being identified properties on the plans will be liable for payment of sewerage service charges on and from the date of connection to these mains.

VICKI MAWBY,
Developer Activity Officer

Dated: 17 August 2001

WATER MAINS

SYDNEY WATER

Water mains

NOTICE is hereby given that sewer mains as described below and shown on plans which may be inspected at the Office shown below and at the head Office of Sydney Water Corporation, have been laid and are available for connection.

Notice is also given, that in the opinion of Sydney Water, for the identified properties on plans, it is reasonably practical for water to be supplied.

CITY OF WOLLONGONG, AT HELENSBURGH: Contract Number 970384WA, Project Number 1000804. Water mains are now laid and capable of serving identified properties in VERA STREET.

CITY OF WOLLONGONG, AT WOONONA (EDGEWOOD ESTATE STAGE 1C): Contract Number 970402W7, Project Number 1000772. Water mains are now laid and capable of serving identified properties in BLUEBERRY CIRCUIT, FORESTVIEW WAY and RED ASH DRIVE.

CITY OF SHELLHARBOUR, AT SHELLHARBOUR (SHELLCOVE ESTATE STAGE 3F): Contract Number 970480W9, Project Number 1000875. Water mains are now laid and capable of serving identified properties in JAMES COOK PARKWAY.

Subject to the provisions of the Sydney Water Act 1994 the owners of all lands being identified properties on plans will become liable for payment of water charges on and from the date of connection to these mains.

MARGARET McTAINSH,
Developer Activity Officer

Dated: 17 August 2001

SYDNEY WATER

Water mains

NOTICE is hereby given that sewer mains as described below and shown on plans which may be inspected at the Office shown below and at the head Office of Sydney Water Corporation, have been laid and are available for connection.

Notice is also given, that in the opinion of Sydney Water, for the identified properties on plans, it is reasonably practical for water to be supplied.

CITY OF LIVERPOOL, AT CASULA: Contract Number 971804W5, Project Number 1000673. Water mains are now laid and capable of serving identified properties in KENDALL DRIVE and McCUBBIN PLACE.

Subject to the provisions of the Sydney Water Act 1994 the owners of all lands being identified properties on plans will become liable for payment of water charges on and from the date of connection to these mains.

PETER ALLEN,
Developer Activity Officer
Liverpool Commercial Centre

Dated: 17 August 2001

SYDNEY WATER

Water mains

NOTICE is hereby given that sewer mains as described below and shown on plans which may be inspected at the Office shown below and at the head Office of Sydney Water Corporation, have been laid and are available for connection.

Notice is also given, that in the opinion of Sydney Water, for the identified properties on plans, it is reasonably practical for water to be supplied.

CITY OF BLACKTOWN, AT QUAKERS HILL: Contract Number 968980W3, Project Number 1000607. Water mains are now laid and capable of serving identified properties at GREENDALE CIRCUIT.

SHIRE OF BAULKHAM HILLS, AT KELLYVILLE: Contract Number 968332W7, Project Number 1000694. Water mains are not laid and capable of serving identified properties at CAYDEN AVENUE.

SHIRE OF BAULKHAM HILLS, AT KELLYVILLE: Contract Number 968332W7, Project Number 7000105. Recycled water mains are not laid and capable of serving identified properties at CAYDEN AVENUE.

Subject to the provisions of the Sydney Water Act 1994 the owners of all lands being identified properties on plans will become liable for payment of water charges on and from the date of connection to these mains.

VICKI MAWBY,
Developer Activity Officer

Dated: 17 August 2001

Other Notices

BANKS AND BANK HOLIDAYS ACT 1912**PROCLAMATION**

(L.S.) MARIE BASHIR, Governor

I, Professor MARIE BASHIR, A.C., Governor of the State of New South Wales, with the advice of the Executive Council, and in pursuance of section 19 (1) of the Banks and Bank Holidays Act 1912, do, by this my Proclamation, appoint Saturday, 30 March 2002, to be observed as a public holiday throughout New South Wales for the purpose of Easter Saturday.

Signed and sealed at Sydney, this 15th day of August 2001.

By Her Excellency's Command,

JOHN DELLA BOSCA, M.L.C.,
Minister for Industrial Relations

GODSAVE THE QUEEN!

BANKS AND BANK HOLIDAYS ACT 1912**PROCLAMATION**

(L.S.) MARIE BASHIR, Governor

I, Professor MARIE BASHIR, A.C., Governor of the State of New South Wales, with the advice of the Executive Council, and in pursuance of section 20 of the Banks and Bank Holidays Act 1912, in that it has been made to appear to me that it is inexpedient that Monday, 22 April 2002, should be a bank holiday under that Act for the purpose of celebrating the Anniversary of the Birthday of Her Majesty the Queen, do, by this my Proclamation, appoint Monday, 10 June 2002, to be a bank holiday instead of that first mentioned day for the purpose of that celebration.

Signed and sealed at Sydney, this 15th day of August 2001.

By Her Excellency's Command,

JOHN DELLA BOSCA, M.L.C.,
Minister for Industrial Relations

GODSAVE THE QUEEN!

BANKS AND BANK HOLIDAYS ACT 1912**PROCLAMATION**

(L.S.) MARIE BASHIR, Governor

I, Professor MARIE BASHIR, A.C., Governor of the State of New South Wales, with the advice of the Executive Council, and in pursuance of section 19 (1) of the Banks and Bank Holidays Act 1912, do, by this my Proclamation, appoint Monday, 7 October 2002, to be observed as a public holiday throughout New South Wales for the purpose of Labour Day.

Signed and sealed at Sydney, this 15th day of August 2001.

By Her Excellency's Command,

JOHN DELLA BOSCA, M.L.C.,
Minister for Industrial Relations

GODSAVE THE QUEEN!

BANKS AND BANK HOLIDAYS ACT 1912**PROCLAMATION**

(L.S.) MARIE BASHIR, Governor

I, Professor MARIE BASHIR, A.C., Governor of the State of New South Wales, with the advice of the Executive Council, and in pursuance of section 20 of the Banks and Bank Holidays Act 1912, in that it has been made to appear to me that it is inexpedient that Saturday, 26 January 2002, should be a bank holiday under that Act for the purpose of celebrating Australia Day, do, by this my Proclamation, appoint Monday, 28 January 2002, to be a bank holiday instead of that first mentioned day for the purpose of that celebration.

Signed and sealed at Sydney, this 15th day of August 2001.

By Her Excellency's Command,

JOHN DELLA BOSCA, M.L.C.,
Minister for Industrial Relations

GODSAVE THE QUEEN!

CHARITABLE FUNDRAISING ACT 1991

Department of Gaming and Racing

PURSUANT to section 31 of the Charitable Fundraising Act 1991, the undermentioned organisation's Authority to Fundraise has been revoked:

Lao-Australian Group Community Services Association Inc.

K. M. BROWN,
Delegate of the Minister.

**CO-OPERATIVE HOUSING AND
STARR-BOWKETT SOCIETIES ACT 1998**

Notice Under Section 601AA of the Corporations Law as Applied by Section 177 of the Co-operative Housing and Starr-Bowkett Societies Act 1998

NOTICE is hereby given that the Co-operative mentioned below will be deregistered when two months have passed since the publication of this notice.

Name of Co-operative

Wellington Co-operative Housing Society.

Dated this 15th day of August 2001.

C. GOWLAND,
Delegate of the Registrar of Co-operatives.

**ELECTRICITY SUPPLY ACT 1995
LAND ACQUISITION (JUST TERMS
COMPENSATION) ACT 1991**

TRANSGRID

Notice of Compulsory Acquisition of Easement

TRANSGRID, by its delegate JOSEPH PETER ZAHRA, declares, with the approval of Her Excellency the Governor, that the interest/interests described in Schedule 1 to this

notice in the land described in Schedule 2 to this notice is/ are acquired by compulsory process under the Land Acquisition (Just Terms Compensation) Act 1991, for the purposes of the Electricity Supply Act 1995.

Dated at Sydney, this 15th day of August 2001.

J. P. ZAHRA,
Manager/Corporate.

SCHEDULE 1

Easement rights as described under the heading "1 Easement for overhead electricity transmission line" in Memorandum No.7314519D filed in the Land Titles Office pursuant to section 80A of the Real Property Act 1900.

SCHEDULE 2

All that piece or parcel of Crown Land situate in the Local Government Area of Nambucca, Parish of Valley Valley and County of Raleigh, being that part of the reserved road 20.115 metres wide separating Lot 1, Deposited Plan 835277 from Lot 19, Deposited Plan 755560, that part of Lot 3, Deposited Plan 704275 (closed road) and that part of the bed of Deep Creek separating Lot 4, Deposited Plan 723048 from Lot 59, Deposited Plan 755560, comprised within the site of the proposed easement for transmission line 45 metres wide as shown in Deposited Plan 1008558. (P.50180).

Also, all that piece or parcel of Crown Land situate in the Local Government Area of Bellingen, Parish of Newry and County of Raleigh, being that part of Travelling Stock Reserve 17481 and that part of the bed of Dalhousie Creek, comprised within the site of the proposed easement for transmission line 45 metres wide and variable width as shown in Deposited Plan 1009105. (P.50181).

Also, all that piece or parcel of Crown Land situate in the Local Government Area of Bellingen, Parish of Newry and County of Raleigh, being that part of the road 20.115 metres wide separating Lot 236, Deposited Plan 755552 and a northern side of the Pacific Highway from Lot 29, Deposited Plan 755552 and that part of the bed of the Kalang River separating Lot 26, Deposited Plan 755552 from Lot 70 of that plan, comprised within the site of the proposed easement for transmission line 45 metres wide and variable width as shown in Deposited Plan 1014476. (P.50189).

And also, all that piece or parcel of Crown Land situate in the Local Government Area of Bellingen, Parish of South Bellingen and County of Raleigh, being that part of the bed of the Kalang River separating Lots 24 and 25, Deposited Plan 749731 from Lots 23 and 24, Deposited Plan 847318, comprised within the site of the proposed easement for transmission line 30 metres wide and variable width as shown in Deposited Plan 1005430. (P.50155/1 and 2) (File: PS/1085).

ELECTRICITY SUPPLY ACT 1995 LAND ACQUISITION (JUST TERMS COMPENSATION) ACT 1991

TRANSGRID

Notice of Compulsory Acquisition of Easement
TRANSGRID, by its delegate JOSEPH PETER ZAHRA, declares, with the approval of Her Excellency the Governor, that the interest/interests described in Schedule 1 to this

notice in the land described in Schedule 2 to this notice is/ are acquired by compulsory process under the Land Acquisition (Just Terms Compensation) Act 1991, for the purposes of the Electricity Supply Act 1995.

Dated at Sydney, this 15th day of August, 2001.

J. P. ZAHRA,
Manager/Corporate.

SCHEDULE 1

Easement rights as described under the heading "1 Easement for overhead electricity transmission line" in Memorandum No.7314519D filed in the Land Titles Office pursuant to section 80A of the Real Property Act 1900.

SCHEDULE 2

All that piece or parcel of land situate in the Local Government Area of Nambucca, Parish of Valley Valley and County of Raleigh, being that part of Lot 11, Deposited Plan 1017930 (F.I.11/1017930), comprised within the site of the proposed easement for transmission line 45 metres wide as shown in Deposited Plan 1019158 and said to be in the possession of G. K. and M. SILVIA. (P.50206).

Also, all that piece or parcel of land situate in the Local Government Area of Nambucca, Parish of Valley Valley and County of Raleigh, being that part of Lot 1, Deposited Plan 835277, now known as Lot 11, Deposited Plan 1017930 (F.I.11/1017930), that part of Lot 19, Deposited Plan 755560 (F.I.19/755560), that part of Lot 832, Deposited Plan 736673 (F.I.832/736673), that part of Lot 21, Deposited Plan 585768 (F.I.21/585768), that part of Lot 101, Deposited Plan 825215 (F.I.101/825215), that part of Lot 26, Deposited Plan 755560 (F.I.26/755560), that part of Lot 4, Deposited Plan 723048 (F.I.4/723048), that part of Lot 59, Deposited Plan 755560 (F.I.59/755560), that part of Lot 2, Deposited Plan 872699 (F.I.2/872699) and that part of Lot 105, Deposited Plan 614977 (F.I.105/614977), comprised within the site of the proposed easement for transmission line 45 metres wide and variable width as shown in Deposited Plan 1008558 and said to be in the possession of the Estate of R. A. WELSH, D. J. and M. A. DONOGHUE and others. (P.50180).

Also, all that piece or parcel of land situate in the Local Government Area of Nambucca, Parishes of Valley Valley and Newry and County of Raleigh, being that part of Lot 4, Deposited Plan 864043 (F.I.4/864043), that part of Lot 2, Deposited Plan 572926 (F.I.2/572926), that part of Lots 6 and 7, Deposited Plan 872834 (F.I.'s 6 and 7/872834), that part of Lot 4, Deposited Plan 856438 (F.I.4/856438) and that part of Lot 178, Deposited Plan 755552 (F.I.178/755552), comprised within the site of the proposed easement for transmission line 45 metres wide as shown in Deposited Plan 1005401 and said to be in the possession of A. R. and L. L. WADDELL., T. J. and J. A. NELSON and others. (P.50154).

Also, all that piece or parcel of land situate in the Local Government Area of Bellingen, Parish of Newry and County of Raleigh, being that part of Lot 187, Deposited Plan 755552 (F.I.187/755552) and that part of Lot 5, Deposited Plan 776494 (F.I.5/776494), comprised within the site of the proposed easement for transmission line 45 metres wide and variable width as shown in Deposited Plan 1009105 and said to be in

the possession of B. M. WHITTAKER and B. J. LAZARIDES. (P.50181).

Also, all that piece or parcel of land situate in the Local Government Area of Bellingen, Parish of Newry and County of Raleigh, being that part of Lot 26, Deposited Plan 755552 (Volume 10487, Folio 163), that part of Lot 29, Deposited Plan 755552 (F.I.29/755552), that part of Lot 236, Deposited Plan 755552 (F.I.236/755552) and that part of Lot 1, Deposited Plan 105605 (F.I.1/105605), comprised within the site of the proposed easement for transmission line 45 metres wide and variable width as shown in Deposited Plan 1014476 and said to be in the possession of H. J., J. F. and L. J. SANDERS and LOCKE AND PASS PTY LTD. (P.50189).

Also, all that piece or parcel of land situate in the Local Government Area of Bellingen, Parish of Newry and County of Raleigh, being that part of Lot 70, Deposited Plan 755552 (A.C.11206-78), that part of Lot 200, Deposited Plan 778647 (F.I.200/778647) and that part of Lot 182, Deposited Plan 601805 (F.I.182/601805), comprised within the site of the proposed easement for transmission line 45 metres wide and variable width as shown in Deposited Plan 1008554 and said to be in the possession of D. JONES and D. F. and V. A. JONES. (P.50179).

Also, all that piece or parcel of land situate in the Local Government Area of Bellingen, Parishes of Newry and South Bellingen and County of Raleigh, being that part of Lot 7, Deposited Plan 844657 now known as Lot 2, Deposited Plan 1004954 (F.I.2/1004954), that part of Lots 21, 22 and 23, Deposited Plan 749731 (F.I.'s 21, 22 and 23/749731), that part of Lot 22, Deposited Plan 847318 (F.I.22/847318) and that part of Lot 16, Deposited Plan 261011 (F.I.16/261011), comprised within the site of the proposed easement for transmission line 30 metres wide and variable width as shown in Deposited Plan 1005430 and said to be in the possession of H. W. and J. F. HOLLIS DREDGING CO. PTY. LTD., P. F. O'KEEFE and others. (P.50155).

And also, all that piece or parcel of land situate in the Local Government Area of Bellingen, Parish of South Bellingen and County of Raleigh, being that part of Lots 9, 14 and 16, Deposited Plan 839899 (F.I.'s 9, 14 and 16/839899), that part of Lot 150, Deposited Plan 851515 (F.I.150/851515), that part of Lot 10, Deposited Plan 815169 (F.I.10/815169) and that part of Lot 100, Deposited Plan 851517 (F.I.100/851517), comprised within the site of the proposed easement for transmission line 30 metres wide and variable width as shown in Deposited Plan 1005619 and said to be in the possession of M. and P. A. WILLS, BELLINGEN SHIRE COUNCIL and another. (P.50158) (File: PS/1085).

**ELECTRICITY SUPPLY ACT 1995
LAND ACQUISITION (JUST TERMS
COMPENSATION) ACT 1991
TRANSGRID**

Notice of Compulsory Acquisition of Easement TRANSGRID, by its delegate JOSEPH PETER ZAHRA, declares, with the approval of Her Excellency the Governor, that the interest/interests described in Schedule 1 to this notice in the land described in Schedule 2 to this notice is/are acquired by compulsory process under the Land Acquisition (Just Terms Compensation) Act 1991, for the purposes of the Electricity Supply Act 1995.

Dated at Sydney, this 15th day of August 2001.

J. P. ZAHRA,
Manager/Corporate.

SCHEDULE 1

Easement rights as described under the heading "3 Easement for access" in Memorandum No. 7753746 filed in the Land Titles Office pursuant to section 80A of the Real Property Act 1900.

SCHEDULE 2

All that piece or parcel of land situate in the Local Government Area of Nambucca, Parish of Valley Valley and County of Raleigh, being that part of Lot 4, Deposited Plan 864043 (F.I.4/864043), comprised within the site of the proposed easement for access 10 metres wide and that part of Lot 4, Deposited Plan 864043 (F.I.4/864043), comprised within the site of the proposed easement for access over track in use as shown in Deposited Plan 1018279 and said to be in the possession of A. R. and L. L. WADDELL. (P.50207) (File: PS/1085).

FORESTRY ACT 1916

PROCLAMATION

(L.S.) MARIE BASHIR, Governor

I, Professor MARIE BASHIR, A.C., Governor of the State of New South Wales, in pursuance of the provisions of the Forestry Act 1916, and with the advice of the Executive Council, do, by this my Proclamation, declare that the land described in the Schedule hereto is dedicated as a State Forest.

SCHEDULE

Eastern Division

*Land District of Bathurst;
Evans Shire Council Area;
Macquarie Forestry Region.*

Vulcan State Forest No. 621, No. 42 Extension. An area of about 287.6 hectares in the Parish of Walbrook, County of Georgiana, being the land within Lot 2 in Deposited Plan 786347, Lot 1 in Deposited Plan 855235 and Portion 37 delineated on plan catalogued 4639-1506 in the Department of Information, Technology and Management, Sydney, EXCLUSIVE OF the Right of Carriageway 20 metres wide traversing Lot 1 and delineated on Deposited Plan 855235. (70849).

Signed and sealed at Sydney, this 8th day of August 2001.

By Her Excellency's Command,

KIM YEADON, M.P.,
Minister for Forestry

GOD SAVE THE QUEEN!

GEOGRAPHICAL NAMES ACT 1966

Notice of Suburb Boundary Amendment in Rockdale City
PURSUANT to the provisions of section 10 of the Geographical Names Act 1966, the Geographical Names Board has this day amended the boundary between Bardwell Valley, Arncliffe and Bexley as shown on map GNB3584.

W. WATKINS,
Chairperson

Geographical Names Board,
PO Box 143, Bathurst NSW 2795.

GEOGRAPHICAL NAMES ACT 1966

PURSUANT to the provisions of section 10 of the Geographical Names Act 1966, the Geographical Names Board has this day assigned the geographical name listed hereunder.

Assigned Name: Woodlands Park.
Designation: Reserve.
L.G.A.: Hastings Council.
Parish: Cogo.
County: Macquarie.
Latitude: 31° 20' 55".
Longitude: 152° 36' 51".
L.P.I. Map: Ballengarra.
100,000 Map: Kempsey 9435.
Reference: GNB:4749.

WARWICK WATKINS,
Chairperson

Geographical Names Board,
PO Box 143, Bathurst, NSW 2795.

HERITAGE ACT 1977

Direction Pursuant to Section 34 (1) (a) to List an Item on the State Heritage Register

New England Brass and Iron Lace Foundry and its
Contents, 6 East Street, Uralla

SHR No. 1455

IN pursuance of section 34 (1) (a) of the Heritage Act 1977, I, the Minister for Urban Affairs and Planning, having considered a recommendation of the Heritage Council of New South Wales, direct the Council to list the item of the environmental heritage specified in Schedule "A" on the State Heritage Register. This listing shall apply to the curtilage or site of the item, being the land described in Schedule "B".

Dated: Sydney, 11th July 2001.

ANDREW REFSHAUGE,
Minister for Urban Affairs and Planning

SCHEDULE "A"

The property known as the New England Brass and Iron Lace Foundry, 6 East Street, Uralla and its contents, situated on the land described in Schedule "B".

SCHEDULE "B"

All those piece or parcels of land known as Lot 15, DP 809684.

HERITAGE ACT 1977

Direction Pursuant to Section 34 (1) (a) to List an Item on the State Heritage Register

Rail Motors Nos. CPH 1, CPH 3, CPH 7, CPH 14, CPH 19, CTC 51, HPC 402, FT 501, FPH 602, FPH 606 and CT 707

SHR No. 1488

IN pursuance of section 34 (1) (a) of the Heritage Act 1977, I, the Minister for Urban Affairs and Planning, having considered a recommendation of the Heritage Council of New South Wales, direct the Council to list the item of the environmental heritage specified in Schedule "A" on the State Heritage Register.

Dated: Sydney, 11th July 2001.

ANDREW REFSHAUGE,
Minister for Urban Affairs and Planning

SCHEDULE "A"

Rail Motors Nos. CPH 1, CPH 3, CPH 7, CPH 14, CPH 19, CTC 51, HPC 402, FT 501, FPH 602, FPH 606 and CT 707, located at Paterson.

LOCAL GOVERNMENT ACT 1993

Pacific Palms Sewerage
Vesting of Land and Easements in MidCoast County Council

THE Minister for Land and Water Conservation of the State of New South Wales, declares that the land and easements described in the Schedule hereto, which were acquired for the purpose of the Pacific Palms Sewerage Scheme are vested in Midcoast County Council.

RICHARD AMERY, M.P.,
Minister for Agriculture
and Minister for Land and Water Conservation

SCHEDULE**Land**

Lot 1 in Deposited Plan 1014548 (SB 55085).

Lot 1 in Deposited Plan 1016729 (SB 55105).

Lot 1 in Deposited Plan 1016730 (SB 55104).

Interest in Land

Easement rights as described under the heading Sewer Pipeline in Memorandum E931212 filed in the Land Titles Office over the site shown in:

Deposited Plan 1016729 (SB 55105) as '(C) PROPOSED EASEMENT FOR SEWER PIPELINE 5 WIDE AND VARIABLE'.

DPWS Reference: 105.

PASSENGER TRANSPORT ACT 1990

Notification in Respect of Taxi-cab Fares

IT is hereby notified, in pursuance of section 34A of the Passenger Transport Act 1990, and notwithstanding any previous notification thereunder, or any provision in any licence issued for a taxi-cab, that the maximum fares and other charges payable by hirers in respect of the provision of taxi-cab services in New South Wales shall, except in respect of taxi-cabs licensed to operate in the areas specified in Schedule 3 hereunder, on and from the 1st September, 2001, be as follows:

Schedule 1 — Urban Areas

Applies to Taxi-cabs Licensed to Operate in the Following Areas

Metropolitan transport district, Newcastle transport district, Wollongong transport district, Blue Mountains local government area, Gosford local government area, Wyong local government area, Shellharbour local government area, Cams Wharf, Fern Bay, Minmi, Toronto, Williamtown, Medowie, Campvale, Ferodale, Raymond Terrace, Fassifern, Hexham, Maitland, Beresfield, Fullerton Cove, Tomago, Camden, Picton, Thirlmere, Tahmoor and Bargo.

Flag Fall: \$2.45.

Distance Rate: \$1.38 per kilometre.

Night-time Surcharge: A surcharge of 20% of the Distance Rate between 10 p.m. and 6 a.m. daily.

Booking Fee: \$1.15.

Waiting Time: \$37.10 per hour (61.8c per minute).

Luggage Rates: No charge up to 25kg, then 10c for each subsequent 25 kg or part thereof. Maximum payable 55c.

Tolls: All road, bridge, ferry and tunnel tolls that apply to the journey, and the return tolls for northbound journeys over the Sydney Harbour Bridge or through the Sydney Harbour Tunnel.

Schedule 2 — Country Areas

Applies to Taxi-cabs Licensed to Operate in the Following Areas

All areas of New South Wales except those specified in Schedule 1 and Schedule 3

Flag Fall: \$2.95.

Distance Rate:

Tariff 1 - \$1.44 per kilometre for the first 12 km;

Tariff 2 - \$2.03 per kilometre in excess of 12 km.

Night-time Surcharge: A surcharge of 20% of the Distance Rate between 10 p.m. and 6 a.m. daily.

Booking Fee: \$0.65.

Waiting Time: \$37.10 per hour (61.8c per minute).

Luggage Rates: No charge up to 25kg, then 10c for each subsequent 25kg or part thereof. Maximum payable 55c.

Tolls: All road, bridge, ferry and tunnel tolls that apply to the journey.

Schedule 3 — Exempted Areas

Moama, Barham, Tocumwal, Mulwala, Barooga and Deniliquin.

Director-General,
Department of Transport.

PUBLIC WORKS ACT 1912**LAND ACQUISITION (JUST TERMS
COMPENSATION) ACT 1991**Compulsory Acquisition
Fish River Water Supply

THE Minister for Land and Water Conservation, with the approval of Her Excellency the Governor, declares that the land and interest in land described in the Schedule hereto, are acquired by compulsory process under the provisions of the Land Acquisition (Just Terms Compensation) Act 1991, for an authorised work.

On publication of this notice in the *Government Gazette*, the land and interest in land, are vested in the Minister for Land and Water Conservation as Constructing Authority under section 4 of the Public Works Act 1912.

RICHARD AMERY, M.P.,
Minister for Agriculture
and Minister for Land and Water Conservation

SCHEDULE

Land

Lot 3 in Deposited Plan 234532 (SB 22882).

Interest in Land

Easement rights as described under the heading Water Tunnel or Pipeline (beneath the surface only) in Memorandum U76601 filed in the Office of Land and Property Information NSW over the site shown in:

Deposited Plan 648275 (SB 51677) as 'CENTRE LINE OF EXISTING WATER SUPPLY TUNNEL (APPROXIMATE POSITION) CENTRE OF PROPOSED STRATUM EASEMENT 10.06 WIDE FOR WATER SUPPLY TUNNEL (APPROX. POSITION)' within Lot 4, Deposited Plan 234532.

DPWS Reference: 123.

PUBLIC WORKS ACT 1912**LAND ACQUISITION (JUST TERMS
COMPENSATION) ACT 1991**Compulsory Acquisition
Angourie Sewerage Scheme

THE Minister for Land and Water Conservation, with the approval of His Excellency the Governor, declares that the interest in land described in the Schedule hereto, is acquired by compulsory process under the provisions of the Land Acquisition (Just Terms Compensation) Act 1991, for an authorised work.

On publication of this notice in the *Government Gazette*, the interest in land, is vested in the Minister for Land and Water Conservation as Constructing Authority under section 4 of the Public Works Act 1912.

RICHARD AMERY, M.P.,
Minister for Agriculture
and Minister for Land and Water Conservation

SCHEDULE

Interest in Land

Easement rights as described under the heading Sewer Pipeline in Memorandum E931212 filed in the Land Titles Office over the site shown in:

Deposited Plan 857790 (SB 52111) as 'PROPOSED EASEMENT FOR SEWER PIPELINE VARIABLE WIDTH'.

DPWS Reference: 61.

SURVEYORS ACT 1929

Registration of Surveyors

PURSUANT to the provisions of section 8 of the Surveyors Act 1929, the undermentioned persons have been Registered as Surveyors in New South Wales from the dates shown.

Name	Address	Effective Date
John William GREGOR.	26 Fernyhough Crescent, Lyneham, ACT 2602.	10 July 2001.
Edward James McENIER.	1 Kensington Road, Bolwarra, NSW 2320.	27 July 2001.

W. A. WATKINS,
President.

G. K. A. LEATHERLAND,
Registrar.

SURVEYORS ACT 1929

Restoration to the Register of Surveyors

PURSUANT to the provisions of section 9B of the Surveyors Act 1929, the undermentioned person has been restored to the Register of Surveyors with the effective date of restoration as shown.

Name	Address	Effective Date of Restoration	Original Date of Registration
John William MELVILLE.	124 Henderson Road, Wentworth Falls, NSW 2782.	1 July 2001.	29 September 1969.

W. A. WATKINS,
President.

G. K. A. LEATHERLAND,
Registrar.

SURVEYORS ACT 1929

Removal of Name from the Register of Surveyors

PURSUANT to the provisions of section 9 of the Surveyors Act 1929, the undermentioned Surveyors have been removed from the Register of Surveyors for the reasons shown.

Name	Date of Removal	Reason	Original Registration Date
Ernest James BRITTEN.	1 August 2001.	at own request.	19 October 1955.
David Charles CHUDLEIGH.	24 July 2001.	at own request.	5 October 1965.
John Joseph FALLON.	26 July 2001.	at own request.	15 September 1989.
James Lawrence FLETCHER.	25 July 2001.	at own request.	1 April 1968.
Roderick William MENZIES.	26 July 2001.	at own request.	25 September 1964.
Noel Reginald O'BRIEN.	17 July 2001.	at own request.	16 August 1995.
Terrance Charles RYAN.	25 July 2001.	at own request.	18 September 1972.
Timothy Alfred ROLLES.	11 July 2001.	at own request.	28 March 1961.
George Victor SMITH.	26 July 2001.	at own request.	17 March 1969.
William Anthony SMITH.	11 July 2001.	at own request.	14 September 1970.
John Stanley STRONG.	30 July 2001.	at own request.	29 January 1976.
Bruce Henry TOMPSON.	17 July 2001.	at own request.	25 September 1978.
John Nigel VENN.	23 July 2001.	at own request.	23 March 1995.

W. A. WATKINS,
President.

G. K. A. LEATHERLAND,
Registrar.

SURVEYORS (GENERAL) REGULATION 1999

Granting of Emeritus Status

PURSUANT to the provisions of Clause 32 (1) of the Surveyors (General) Regulation 1999, the undermentioned Surveyors have been granted Emeritus Status in recognition of their long service and contribution to the surveying profession in New South Wales, effective 1 August 2001.

Name	Date of Original Registration	Removed from Register
David Charles CHUDLEIGH.	5 October 1965.	24 July 2001.
Roderick William MENZIES.	25 September 1964.	26 July 2001.
Terrence Charles RYAN.	18 September 1972.	25 July 2001.
George Victor SMITH.	17 March 1969.	26 July 2001.

W. A. WATKINS,
President.

G. K. A. LEATHERLAND,
Registrar.

**THREATENED SPECIES CONSERVATION ACT
1995**

NSW National Parks and Wildlife Service

Notice of Exhibition of the Draft Species Recovery Plans
Long-footed Potoroo
Mountain Pygmy Possum

I, IAN PULSFORD, Manager, Conservation Programs and Planning Division of National Parks and Wildlife Service Southern Directorate, hereby give notice of the exhibition of the draft Long-footed Potoroo and Mountain Pygmy Possum Recovery Plans. Public submissions are invited from the 27 August until 5 October 2001.

Copies of the Plans will be available for public inspection from the 27 August 2001 at the following NPWS offices or can be viewed on the NPWS website (http://www.npws.nsw.gov.au/news/recovery_plans/index.html):

Head Office, 43 Bridge Street, Hurstville (both Plans);

Southern Directorate, 6 Rutledge Street, Queanbeyan (both Plans);

National Parks Centre, 102 George Street, The Rocks (both Plans);

Bombala, 119 Maybe Street, Bombala (both Plans);

Jindabyne, Kosciuszko Road, Jindabyne (Mountain Pygmy Possum Plan only);

NPWS Information Centre, Perisher, Kosciuszko NP (Mountain Pygmy Possum Plan only);

Khancoban Sub-District, Scott Street, Khancoban (Mountain Pygmy Possum Plan only);

South West Slopes Regional Office (The Old Butter Factory, Adelong Road, Tumut (Mountain Pygmy Possum Plan only);

Merimbula, Cnr. Merimbula and Sapphire Coast Drive, Merimbula (Long-footed Potoroo Plan only).

Exhibition details will also be published on the 20-24 August 2001 in the *Bombala Times*, *Imlay Magnet*, *Merimbula News Weekly* and *Sydney Morning Herald*.

IAN PULSFORD,
Manager,
CPPD, Southern Directorate.

PROTECTION OF THE ENVIRONMENT OPERATIONS ACT 1997**Notice of publication of****Approved Methods and Guidance for the Modelling and Assessment of Air Pollutants in New South Wales**

I, Lisa Corbyn, Director-General of the Environment Protection Authority, on behalf of that Authority and for the purposes of regulations made and instruments issued under the Protection of the Environment Operations Act 1997, publish the document entitled *Approved Methods and Guidance for the Modelling and Assessment of Air Pollutants in New South Wales*.

This document is referred to in the Clean Air (Plant and Equipment) Regulation 1997 as amended by the Clean Air (Plant and Equipment) Amendment (Hydrogen Sulphide Emissions) Regulation 2001.

This document may be reviewed periodically. Notification of any changes will appear in the *New South Wales Government Gazette*.

LISA CORBYN
Director-General
Environment Protection Authority

Dated: 9 August 2001

Approved Methods and Guidance

For the Modelling and
Assessment of Air Pollutants
in New South Wales

AUGUST 2001



NSW Environment Protection Authority**Approved methods and guidance for the modelling and assessment of air pollutants in New South Wales**

For technical inquiries about this document, contact the Air Assessments Unit of the EPA.

Published by:

Environment Protection Authority
59–61 Goulburn Street, Sydney NSW 2000
(PO Box A290, Sydney South NSW 1232)
Tel: (02) 9995 5000 (switch), 131 555 (information & publications)
Fax: (02) 9995 5999
Email: info@epa.nsw.gov.au
Website: www.epa.nsw.gov.au

This document is available on the EPA's website at www.epa.nsw.gov.au/air/amgmaap

It can be downloaded from www.epa.nsw.gov.au/air/amgmaap.pdf (PDF format, requires Acrobat Reader).

The EPA is pleased to allow this material to be reproduced in whole or in part, provided the meaning is unchanged and the EPA is acknowledged as the source, publisher and author of the material.

EPA 2001/57
August 2001
ISBN 0 7313 2782 9

Contents

1	Introduction	1
2	Methodology overview	2
2.1	Dispersion models	2
2.2	Level 1 and Level 2 impact assessments	2
2.3	Impact assessment methodology	2
2.4	References	5
3	Impact assessment criteria	6
3.1	Impact assessment criteria for criteria pollutants	6
3.2	Impact assessment criteria for hydrogen fluoride	7
3.3	Glc criteria for individual odorous and toxic air pollutants	7
3.4	Glc criteria for hydrogen sulphide	9
3.5	Odour performance criteria	10
3.6	Impact assessment criteria for deposited dust	11
3.7	Impact assessment criteria for total suspended particulate (TSP) matter	11
3.8	References	12
4	Emissions data	13
4.1	Estimating emission rates using direct measurement	13
4.2	Accounting for variability in emission rates	13
4.3	References	13
5	Background concentrations	14
5.1	Estimating background concentrations	14
5.2	Accounting for background concentrations	14
5.3	References	15
6	Meteorological data	16
6.1	Minimum data requirements	16
6.2	Siting and operating meteorological monitoring equipment	16
6.3	Preparation of Level 1 meteorological data	17
6.4	Preparation of Level 2 meteorological data	22
6.5	Availability of meteorological processing software and guidance documents	22
6.6	References	23

7	Peak-to-mean ratios	24
7.1	Definitions of terms	24
7.2	Basic approach for estimating peak concentrations	27
7.3	Detailed procedure for estimating peak concentrations	29
7.4	Screening procedure for estimating peak concentrations	30
7.5	Multiple sources	30
7.6	References	33
8	Dispersion modelling	34
8.1	Approved dispersion models	34
8.2	Dispersion modelling methodology using AUSPLUME	34
8.3	Availability of dispersion modelling software and guidance documents	35
8.4	References	36
9	Developing site-specific emission limits	37
9.1	Worked example	37
10	Impact assessment report	39
10.1	Report requirements	39
10.2	References	41
11	Conversion factors	42
12	Glossary	44

1 Introduction

This document lists the methods to be used and provides guidance for the modelling and assessment of air pollutants from stationary sources in New South Wales for statutory purposes. The document covers:

- impact assessment criteria for criteria pollutants, hydrogen fluoride, deposited dust and total suspended particulate (TSP) matter
- ground-level concentration (glc) criteria for individual odorous and toxic air pollutants
- glc criteria for hydrogen sulphide
- odour performance criteria for complex mixtures of odours
- impact assessment methodology based on dispersion modelling
- the procedure for developing site-specific emission limits.

This document is referred to in:

- the *Clean Air (Plant and Equipment) Regulation 1997* and the *Clean Air (Plant and Equipment) Amendment (Hydrogen Sulphide Emissions) Regulation 2001*.

This document may also be referred to in conditions attached to statutory instruments, such as licences or notices, issued under environment protection legislation, as defined in the *Protection of the Environment Administration Act 1991*.

Industry has an obligation to ensure compliance with the requirements specified in the *Clean Air (Plant and Equipment) Regulation 1997* and the *Clean Air (Plant and Equipment) Amendment (Hydrogen Sulphide Emissions) Regulation 2001*.

This document contains guidance for estimating the air quality impacts of criteria pollutants, hydrogen fluoride, deposited dust, total suspended particulate matter, individual odorous and toxic air pollutants and complex mixtures of odours.

This document contains the procedure for calculating a site-specific emission limit for hydrogen sulphide as specified in Part 2 of the *Clean Air (Plant and Equipment) Regulation 1997* and the *Clean Air (Plant and Equipment) Amendment (Hydrogen Sulphide Emissions) Regulation 2001*. Submissions for approval of site-specific emission limits for hydrogen sulphide must be made in writing to the Chief Scientist, Environment Protection Authority.

The procedures and methodologies contained in this document will undergo a regular review. The review will coincide with the five-yearly review of the *Clean Air (Plant and Equipment) Regulation 1997* that is required by the *Subordinate Legislation Act 1989*.

2 Methodology overview

2.1 Dispersion models

Dispersion models provide the ability to mathematically simulate atmospheric conditions and behaviour. They are used to calculate spatial and temporal fields of concentrations and particle deposition due to emissions from various sources. Dispersion models can be used to determine the affected zone around a facility by producing results that can be compared against impact assessment criteria (e.g. glc or odour performance criteria).

Dispersion models can provide concentration or deposition estimates over an almost unlimited grid of user-specified locations, and can be used to evaluate both existing and forecast emissions scenarios. In this capacity, air dispersion modelling is a useful tool in assessing the air quality impacts associated with existing and proposed emissions sources. The results of the dispersion modelling analysis can be used to develop control strategies that should ensure compliance with the impact assessment criteria. Dispersion models can also be used to estimate the cumulative impacts of various industries that are located close to one another.

Dispersion models are widely used by environmental regulators in Australia, New Zealand, the United States of America, the United Kingdom and Europe, and industry well understands their limitations. The results have been shown, through numerous model evaluation studies, to be sufficiently robust to be relied on for calculating concentration limits for point source stack emissions.

2.2 Level 1 and Level 2 impact assessments

Level 1 impact assessments are screening-level dispersion modelling assessments using worst-case input data, rather than site-specific data.

Level 2 impact assessments are refined dispersion modelling assessments using site-specific input data. This is the most realistic and comprehensive level of assessment available.

2.3 Impact assessment methodology

The impact assessment methodology must consider the following steps:

1 Determine appropriate environmental outcome

If assessing the impacts from criteria pollutants, hydrogen fluoride, deposited dust or TSP, select appropriate impact assessment criteria from Sections 3.1, 3.2, 3.6 or 3.7 as appropriate.

If assessing the impacts from individual odorous or toxic compounds, select appropriate glc criteria from Section 3.3.

If calculating a site-specific emission limit for hydrogen sulphide, select appropriate glc criteria as a function of population density from Section 3.4.

If assessing the impacts from a complex mixture of odours, select appropriate odour performance criteria as a function of population density from Section 3.5.

2 Inventory all sources at the site to be included in the assessment

Determine the sources that will be assessed. (Note: For the calculation of site-specific emission limits, all relevant sources discharging the pollutant being considered must be included in the assessment.)

3 Determine the locations of sources and nearby buildings

Determine whether the release type is a point, area or volume source.

Determine the location, elevation and discharge geometry of all sources to be included in the assessment.

Determine source coordinates in metres relative to a fixed origin.

Determine the location and dimensions of buildings within a distance of 5L (where L is the lesser of the height or width of the building) from each release point to account for building wake effects.

4 For new proposals:**Estimate emission quantities**

Use published emission factors from similar operations or manufacturers' performance guarantees. The emission factors should be developed in a manner consistent with the requirements of Section 4:

- For criteria pollutants, hydrogen fluoride, individual odorous or toxic compounds, hydrogen sulphide, deposited dust and TSP, determine mass emission rates in grams per second.
- For complex mixtures of odours, determine emission rates in odour units (OU) per second.
- If applicable, include periodic variations in emission rates.

Estimate source release parameters

Use published source release parameters from similar operations or manufacturers' performance guarantees. The data should be developed in a manner consistent with the requirements of Section 4:

- For point sources, determine stack height, stack diameter, temperature and wind velocity.
- For diffuse area sources, determine surface area, side length and release height.
- For diffuse volume sources, determine side length, release height, and initial horizontal and vertical plume spread (σ_y and σ_z).

5 For existing plant:**Estimate emission quantities**

Use site-specific measured concentrations in accordance with the requirements of Section 4:

- For criteria pollutants, hydrogen fluoride, individual odorous or toxic compounds, hydrogen sulphide, deposited dust and TSP, determine mass emission rates in grams per second.
- For complex mixtures of odours, determine emission rates in OU per second.
- If applicable, include periodic variations in emission rates.

Estimate source release parameters

Use site-specific measurements of source release parameters in accordance with the requirements of Section 4:

- For point sources, determine stack height, stack diameter, temperature and wind velocity.
- For diffuse area sources, determine surface area, side length and release height.
- For diffuse volume sources, determine side length, release height, and initial horizontal and vertical plume spread (σ_y and σ_z).

6 Incorporate other dispersion modelling parameters

For hydrogen sulphide or complex mixtures of odours, select appropriate peak-to-mean ratios for each source type in accordance with the requirements of Section 7.

Include the location and dimensions of nearby buildings to account for building wake effects.

Develop terrain and receptor grid information, including the location and height in metres relative to a fixed origin.

Include the location of any particularly sensitive receptors (and likely future sensitive receptors) such as residences, schools and hospitals.

Develop either a Level 1 (synthetic worst-case) or Level 2 (site-specific) meteorological data file in accordance with the requirements of Section 6. The data file must include hourly average values for:

- wind speed
- wind direction
- ambient temperature
- atmospheric stability class
- mixing height.

For deposited dust, the data file must include hourly average values for the following additional parameters:

- Monin–Obukhov length
- surface friction velocity
- surface roughness height.

7 Estimate background concentrations

For impact assessments of criteria pollutants, hydrogen fluoride, deposited dust or TSP, background concentrations of pollutants in the vicinity of the proposal must be included in the assessment in accordance with the requirements of Section 5.

8 For new or existing plant, select a number of scenarios for analysis

To determine incremental increases in the cost of abatement, carry out a sensitivity analysis by varying:

- source release parameters
- separation distance
- efficiency of pollution control equipment
- level of management practice.

Use the results to select the most cost-effective and environmentally effective control strategy.

9 Prepare dispersion model input files and run the dispersion model in accordance with the requirements of Section 8

10 Process dispersion model output files

Use utilities provided with AUSPLUME, such as AUSTSTAT.EXE, to prepare gridded files of ground-level concentration statistics in accordance with the requirements of Section 8.

11 Analyse dispersion model results

For Level 1 impact assessments, determine the **100th** percentile dispersion model predictions for all pollutants.

For Level 1 and Level 2 impact assessments of **criteria pollutants, hydrogen fluoride, deposited dust or TSP**, include the existing background concentration to determine the total impact in accordance with the requirements of Section 5.

For Level 2 impact assessments of **individual odorous or toxic pollutants**, use statistical analysis to determine the **99.9th** percentile (**3-minute average**) dispersion model predictions.

For Level 2 impact assessments of **hydrogen sulphide or complex mixtures of odours**, use statistical analysis to determine the **99th** percentile (**nose-response-time average**) dispersion model predictions.

Draw concentration contours (isopleths) to define potential affected zones.

Present the concentration predictions, in tabular form, for each of the existing and likely future sensitive receptors and for the maximum exposed off-site receptor and compare with the impact assessment criteria, glc criteria or odour performance criteria as appropriate.

12 Calculate site-specific emission limits for hydrogen sulphide

Refer to the worked example included in Section 9.

13 Prepare impact assessment report in accordance with the requirements of Section 10

2.4 References

EPA Victoria, 1985, *Plume Calculation Procedure, an approved procedure under Schedule E of State Environment Protection Policy (The Air Environment)*, Publication 210. Environment Protection Authority of Victoria, Melbourne.

EPA Victoria, 1986, *The AUSPLUME Gaussian Plume Dispersion Model, First Edition*. Publication 264. Environment Protection Authority of Victoria, Melbourne.

EPA Victoria, 1999, *AUSPLUME Gaussian Plume Dispersion Model, Technical User Manual*. Publication 671. Environment Protection Authority of Victoria, Melbourne.

EPA Victoria, 2000, *AUSPLUME Gaussian Plume Dispersion Model, Technical User Manual*. Environment Protection Authority of Victoria, Melbourne.

USEPA, 1999, *Guideline on Air Quality Models*, 40 CFR, Chapter I, Part 51, Appendix W. United States Environmental Protection Agency, Washington DC, USA.

3 Impact assessment criteria

The primary purpose of an air quality impact assessment is to determine whether or not emissions from a premises will achieve the appropriate environmental outcomes. The impact assessment criteria outlined below reflect the environmental outcomes adopted by the NSW EPA.

To ensure that air quality impacts are maintained within acceptable levels, emissions resulting from a facility's operations should be assessed against the air quality impact assessment criteria. Where several facilities emitting the same pollutants will create cumulative impacts, the impact of the combined emissions from all the facilities needs to be considered. Impacts of criteria pollutants, hydrogen fluoride, deposited dust and TSP must be combined with existing background levels before comparison with the relevant criteria.

Impact assessment criteria are not to be used as limit conditions in environment protection licences. Compliance with impact assessment criteria (i.e. in the ambient air at the boundary of the premises or nearest sensitive receptor) cannot be readily determined for regulatory purposes. For point sources, a site-specific stack emission limit can be calculated (see Section 9) so that the air quality impact assessment criteria will not be exceeded at and beyond the boundary of a premises due to emissions from those sources.

3.1 Impact assessment criteria for criteria pollutants

Table 3.1 lists the impact assessment criteria for criteria pollutants.

Table 3.1 Impact assessment criteria for criteria pollutants

Pollutant	Averaging period	Concentration	
		pphm	µg/m ³
SO ₂	10 minutes	25	712
	1 hour	20	570
	24 hours	8	228
	annual	2	60
NO ₂	1 hour	12	246
	annual	3	62
Photochemical oxidants (as ozone)	1 hour	10	214
	4 hours	8	171
PM ₁₀	24 hours	—	50
	annual	—	30
Lead	annual	—	0.5
		ppm	mg/m ³
CO	15 minutes	87	100
	1 hour	25	30
	8 hours	9	10

Impacts for criteria pollutants shall be assessed at the nearest existing or likely future off-site sensitive receptor as follows:

1. Incremental impact (predicted impacts due to the pollutant source) for each pollutant must be reported in pphm or ppm and in $\mu\text{g}/\text{m}^3$ or mg/m^3 for all averaging periods associated with each pollutant.
2. Background concentrations must be included by using the procedures specified in Section 5.
3. Total impact (incremental impact plus background) must be reported in pphm or ppm and in $\mu\text{g}/\text{m}^3$ or mg/m^3 and compared with the relevant impact assessment criteria.

3.2 Impact assessment criteria for hydrogen fluoride

Table 3.2 lists the impact assessment criteria for hydrogen fluoride.

Table 3.2 Impact assessment criteria for hydrogen fluoride

Averaging period	General land use ^a ($\mu\text{g}/\text{m}^3$)	Specialised land use ^b ($\mu\text{g}/\text{m}^3$)
90 days	0.5	0.25
30 days	0.84	0.4
7 days	1.7	0.8
24 hours	2.9	1.5

a General land use includes all areas other than specialised land use.

b Specialised land use includes all areas with vegetation sensitive to fluoride, such as grape vines and stone fruits.

Impacts for hydrogen fluoride shall be assessed at the nearest existing or likely future off-site sensitive receptor as follows:

1. Incremental impacts (predicted impacts due to the pollutant source) for hydrogen fluoride must be reported in $\mu\text{g}/\text{m}^3$ for all averaging periods.
2. Background concentrations must be included by using the procedures specified in Section 5.
3. Total impact (incremental impact plus background) must be reported in $\mu\text{g}/\text{m}^3$ and compared with the impact assessment criteria.

3.3 Glc criteria for individual odorous and toxic air pollutants

Table 3.3 lists the glc criteria for individual odorous and toxic air pollutants.

Table 3.3 Ground-level concentration (glc) criteria for individual odorous and toxic air pollutants

Pollutant	glc ^a	
	ppm ^d	mg/m^3 ^e
Acetaldehyde ^b	0.042	0.076
Acetic acid ^b	0.20	0.50
Acetone ^b	20	48
Acrolein	0.0033	0.0083

Pollutant	glc ^a	
	ppm ^d	mg/m^3 ^e
Acrylic acid ^b	0.094	—
Acrylonitrile	0.067	0.15
Ammonia	0.83	0.6
Aniline	0.17	0.63

Pollutant	glc ^a	
	ppm ^d	mg/m ^{3e}
Asphalt (petroleum) fumes	–	0.17
Barium (soluble compounds)	–	0.017
Benzene	0.033	0.10
Beryllium	–	0.00007
Benzyl chloride ^b	0.0094	0.047
Biphenyl	0.0067	0.033
Bromochloromethane	6.7	35
Bromoform	0.017	0.17
Bromotrifluoromethane	33	203
1,3-Butadiene ^b	0.45	1.0
<i>n</i> -Butanol ^b	0.3	0.9
Butyl mercaptan ^b	0.004	0.012
Carbon black	–	0.1
Carbon disulphide ^b	0.042	0.13
Carbon tetrachloride	0.17	1.1
Chlorine	0.033	0.1
Chlorine dioxide	0.003	0.01
Chlorobenzene ^b	0.042	0.20
Chloroform	0.33	1.59
Chloromethane	3.3	7.0
Chromic acid & chromates as CrO ₃	–	0.0017
Chromium, soluble chromic & chromous salts as Cr	–	0.017
Copper fumes	–	0.0067
Copper dust and mists	–	0.033
Cotton dust (raw)	–	0.0067
Crotonaldehyde	0.067	0.2
Cumene ^b	0.008	0.039
Cyanide (as CN)	–	0.2
Cyclohexane	10	35
Cyclohexanol	1.7	6.7
Cyclohexanone ^b	0.12	0.48
Diacetone alcohol ^b	0.28	1.3
<i>o</i> -Dichlorobenzene	1.7	10
1,2-Dichloroethylene	6.7	26.3
1,2-Dichloroethane	1.7	6.7
Dichlorvos	0.0033	0.033
Diethylamine ^b	0.02	0.06
Dimethylamine ^b	0.0094	0.017
Dinitrobenzene (all isomers)	0.005	0.033
Dinitrotoluene	–	0.050
Dusts ^c	–	0.33
Diphenyl ether ^b	0.02	0.14
Epichlorohydrin	0.067	0.25
Ethanol ^b	2.0	3.8
Ethanolamine	0.10	0.20
Ethyl acetate ^b	6.3	22.1
Ethyl acrylate ^b	0.0002	0.0008
Ethylbenzene	3.3	14.5

Pollutant	glc ^a	
	ppm ^d	mg/m ^{3e}
Ethyl butyl ketone	1.7	7.7
Ethyl chloride	33.3	86.6
Ethylene glycol (vapour)	3.3	8.7
Ethylene oxide	0.03	0.05
Fluorine	0.033	0.067
Formaldehyde	0.033	0.05
<i>n</i> -Hexane	1.67	6.0
2-Hexanone	0.83	3.3
Hydrogen chloride	0.2	0.3
Hydrogen cyanide	0.3	0.4
Iron oxide fumes	–	0.17
Mercury (organic)	0.00003	0.0003
Mercury (inorganic)	–	0.0017
Magnesium oxide fumes	–	0.33
Maleic anhydride	0.0083	0.033
MDI (diphenylmethane di- <i>iso</i> -cyanate)	0.0007	0.007
Methanol ^b	4.26	5.5
Methyl acrylate	0.33	1.2
Methylamine ^b	0.0042	0.005
Methylene chloride	3.3	12.0
Methyl ethyl ketone ^b	2.0	5.9
Methyl mercaptan ^b	0.00042	0.00084
Methyl methacrylate ^b	0.05	0.21
α -Methyl styrene ^b	0.052	0.25
Methyl <i>isobutyl</i> ketone ^b	0.1	0.41
Nickel carbonyl	0.0017	0.012
Nitric acid	0.067	0.17
Nitrobenzene ^b	0.00094	0.0047
Pentachlorophenol	–	0.017
<i>n</i> -Pentane	20	60
2-Pentanone	6.7	23.3
Perchloroethylene ^b	0.94	6.3
Phenol ^b	0.0094	0.036
Phosgene	0.0033	0.013
Phosphine ^b	0.0042	0.0056
Phthalic anhydride	0.033	0.20
<i>n</i> -Propanol ^b	0.03	0.075
Propylene glycol monomethyl ether	3.3	12.0
Propylene oxide	3.3	8.0
Pyridine ^b	0.0042	0.013
Silver, metal and soluble compounds (as Ag)	–	0.00033
Styrene (monomer) ^b	0.05	0.21
Sulphuric acid	–	0.033
Toluene ^b	0.17	0.65
TDI (toluene-2,4-di- <i>iso</i> -cyanate)	0.0007	0.005
1,1,1-Trichloroethane	11.7	63.3
1,1,2-Trichloroethane	0.33	1.5

Pollutant	glc ^a	
	ppm ^d	mg/m ³ ^e
Trichloroethylene	1.67	9.0
Trichlorofluoromethane	33.3	187
Triethylamine ^b	0.09	0.36
Trimethylbenzene (mixed isomers)	0.83	4.0
Vinyl chloride	0.033	0.1
Vinyl toluene	3.3	16.0
Welding fumes (total particulate)	—	0.17
Wood dust, non-allergenic	—	0.17
Xylene ^b	0.08	0.35
Zinc chloride fumes	—	0.033

Pollutant	glc ^a	
	ppm ^d	mg/m ³ ^e
Zinc oxide fumes	—	0.17

- a Based on consideration of toxicity unless otherwise specified.
- b Based on consideration of odorous properties of the indicator.
- c Other than cotton, quartz-bearing, asbestiform, talc, mica, cristobalite and tridymite.
- d Parts per million (volume/volume).
- e Gas volumes are expressed at 25°C and at an absolute pressure of one atmosphere (101.325 kPa).

The glc criteria shall be applied at and beyond the boundary of the facility as follows:

1. Impacts in mg/m³ or ppm must be reported for an averaging period of **3 minutes**.
2. For Level 1 impact assessments, impacts in mg/m³ or ppm must be reported as the **100th** percentile of dispersion model predictions.
3. For Level 2 impact assessments, impacts in mg/m³ or ppm must be reported as the **99.9th** percentile of dispersion model predictions.
4. For point sources, the results of the dispersion modelling shall be used as the basis for developing site-specific emission limits for individual odorous and toxic air pollutants. Refer to the worked example included in Section 9.

The EPA will review all criteria based on the odorous properties of the pollutant to ensure that the glc criteria are consistent with the olfactometry methods specified in the *Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales*.

3.4 Glc criteria for hydrogen sulphide

Table 3.4 summarises the glc criteria for hydrogen sulphide.

Table 3.4 Ground-level concentration (glc) criteria for hydrogen sulphide (nose-response-time average, 99th percentile)

Population of affected community	glc criterion (µg/m ³)
Urban (≥ ~ 2000)	1.38
~ 500	2.07
~ 125	2.76
~ 30	3.45
~ 10	4.14
Single residence (≤ ~ 2)	4.83

The glc criteria for hydrogen sulphide shall be applied at the nearest existing or likely future off-site sensitive receptor as follows:

1. Equation 3.1 shall be used to select the appropriate glc criterion for hydrogen sulphide as a function of population density:

Equation 3.1

Ground-level concentration criterion ($\mu\text{g}/\text{m}^3$) = $(\log_{10}(\text{population}) - 4.5) / -0.87$.

2. Impacts in $\mu\text{g}/\text{m}^3$ must be reported as **peak concentrations** (i.e. approximately one second average) in accordance with the requirements of Section 7.
3. For Level 1 impact assessments, impacts in $\mu\text{g}/\text{m}^3$ must be reported as the **100th** percentile of dispersion model predictions.
4. For Level 2 impact assessments, impacts in $\mu\text{g}/\text{m}^3$ must be reported as the **99th** percentile of dispersion model predictions.
5. For point sources, the results of the dispersion modelling shall be used to develop site-specific emission limits for hydrogen sulphide. Refer to the worked example included in Section 9.

3.5 Odour performance criteria

Table 3.5 summarises the odour performance criteria.

Table 3.5 Odour performance criteria (nose-response-time average, 99th percentile)

Population of affected community	Odour performance criterion (OU/m ³)
Urban ($\geq \sim 2000$)	2.0
~ 500	3.0
~ 125	4.0
~ 30	5.0
~ 10	6.0
Single residence ($\leq \sim 2$)	7.0

The odour performance criteria shall be applied at the nearest existing or likely future off-site sensitive receptor as follows:

1. Equation 3.2 shall be used to select the appropriate odour performance criterion as a function of population density:

Equation 3.2

Odour performance criterion (OU/m³) = $(\log_{10}(\text{population}) - 4.5) / -0.6$.

2. Impacts in OU/m^3 must be reported as **peak concentrations** (i.e. approximately one second average) in accordance with the requirements of Section 7.
3. For Level 1 impact assessments, impacts in OU/m^3 must be reported as the **100th** percentile of dispersion model predictions.
4. For Level 2 impact assessments, impacts in OU/m^3 must be reported as the **99th** percentile of dispersion model predictions.
5. For point sources, the results of the dispersion modelling shall be used as the basis for developing site-specific emission limits for odours. Refer to the worked example included in Section 9.

3.6 Impact assessment criteria for deposited dust

Table 3.6 lists the impact assessment criteria for dust.

Table 3.6 Impact assessment criteria for dust

Pollutant	Averaging period	Maximum increase in deposited dust level	Maximum total deposited dust level
Deposited dust	Annual	2 $\text{g}/\text{m}^2/\text{month}$	4 $\text{g}/\text{m}^2/\text{month}$

Note: Dust is assessed as insoluble solids as defined by AS 3580.10.1-1991 (AM-19).

Impacts for dust shall be assessed at the nearest existing or likely future off-site sensitive receptor as follows:

1. Incremental impacts (predicted impacts due to the pollutant source) for deposited dust must be reported in $\text{g}/\text{m}^2/\text{month}$ as an annual average.
2. Background concentrations must be included by using the procedures specified in Section 5.
3. Total impact (incremental impact plus background) must be reported in $\text{g}/\text{m}^2/\text{month}$ (annual average) and compared with the impact assessment criteria.

3.7 Impact assessment criteria for total suspended particulate (TSP) matter

Table 3.7 lists the impact assessment criteria for TSP matter.

Table 3.7 Impact assessment criteria for TSP matter

Pollutant	Averaging period	Concentration
TSP	Annual	90 $\mu\text{g}/\text{m}^3$

Impacts for TSP matter shall be assessed at the nearest existing or likely future off-site sensitive receptor as follows:

1. Incremental impacts (predicted impacts due to the pollutant source) for TSP matter must be reported in $\mu\text{g}/\text{m}^3$ as an annual average.
2. Background concentrations must be included by using the procedures specified in Section 5.
3. Total impact (incremental impact plus background) must be reported in $\mu\text{g}/\text{m}^3$ (annual average) and compared with the impact assessment criteria.

3.8 References

- ANZECC, 1990, *National Goals for Fluoride in Ambient Air and Forage*. Australian and New Zealand Environment Conservation Council, Canberra.
- AWT, 2001, *Literature Review—Australian and Overseas Odour Threshold Data and Ambient Air Quality Criteria for Hydrogen Sulphide, A Report to the NSW EPA*. Australian Water Technologies, Sydney.
- Carson, P. and Round, J., 1989, *Feedlot Odours*. Queensland Department of Primary Industry
- EPA, 1998, *Action for Air, The NSW Government's 25-Year Air Quality Management Plan*. NSW Environment Protection Authority, Sydney.
- EPA, 2001, *Draft Policy: Assessment and Management of Odour from Stationary Sources in NSW*. NSW Environment Protection Authority, Sydney.
- EPA, 2001, *Technical Notes—Draft Policy: Assessment and Management of Odour from Stationary Sources in NSW*. NSW Environment Protection Authority, Sydney.
- EPA Victoria, 1985, *Plume Calculation Procedure, an approved procedure under Schedule E of State Environment Protection Policy (The Air Environment)*, Publication 210. Environment Protection Authority of Victoria, Melbourne.
- NEPC, 1998, *Ambient Air—National Environment Protection Measure for Ambient Air Quality*. National Environment Protection Council, Canberra.
- NERDDC, 1988, *Air Pollution from Surface Coal Mining: Measurement, Modelling and Community Perception*, Project No. 921. National Energy Research Development and Demonstration Council, Canberra.
- NHMRC, 1996, *Ambient Air Quality Goals Recommended by the National Health and Medical Research Council*. National Health and Medical Research Council, Canberra.
- Streeton, J. A., 1990, *Air Pollution, Health Effects and Air Quality Objectives in Victoria*.
- SPCC, 1983, *Air Pollution from Coal Mining and Related Developments*. State Pollution Control Commission, Sydney.
- Victorian Government Gazette, Monday 6 June 1988, 'Amendment to the State Environment Protection Policy (The Air Environment)', No. S 45. Government of Victoria, Melbourne.
- WHO, 2000, *WHO Air Quality Guidelines for Europe*, 2nd edition. World Health Organization, Geneva.

4 Emissions data

4.1 Estimating emission rates using direct measurement

All sampling of source emissions and analysis of air pollutants must be done in one of the following three ways:

1. In accordance with the methods specified in the *Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales*; or
2. If no method is specified in the *Approved Methods*, in accordance with the methods specified in the licence; or
3. If no method is specified in either the *Approved Methods* or the licence, in a manner approved in writing by the EPA before any tests are conducted.

The EPA may approve the use of alternative methods to those specified in the *Approved Methods*. Applications for approval of alternative methods must be made in writing to the Chief Scientist, EPA, according to the requirements specified in Section 1 of the *Approved Methods*.

Sampling and analysis for compliance with site-specific hydrogen sulphide emission limits must be conducted using either Test Method TM-5 or the Continuous Emission Monitoring System (CEMS) Protocol CEM-7. Where emission rates are highly variable (due to process fluctuations etc.), CEM-7 must be used to demonstrate compliance with the site-specific hydrogen sulphide emission limit.

4.2 Accounting for variability in emission rates

If the source is large, the frequency distribution of emission rates should be compiled and used in conjunction with the frequency distribution of meteorological conditions, to predict the overall frequency distribution of predicted glcs.

If the source is smaller and data is available to describe the distribution of emission rates, use the 99.9th percentile.

If no data is available to describe the distribution of emission rates, use the maximum measured or calculated emission rate.

Where practicable, emission rate data should be constructed by using an averaging period that is the lesser of one hour or the sampling time used in the concentration calculations.

4.3 References

EPA, 1999, *Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales*. NSW Environment Protection Authority, Sydney.

EPA Victoria, 1985, *Plume Calculation Procedure, an approved procedure under Schedule E of State Environment Protection Policy (The Air Environment)*, Publication 210. Environment Protection Authority of Victoria, Melbourne.

5 Background concentrations

5.1 Estimating background concentrations

For impact assessments of criteria pollutants, hydrogen fluoride, deposited dust or TSP, the existing background concentrations of pollutants in the vicinity of the premises must be established in order to estimate the total (i.e. incremental plus background) impact.

Ambient monitoring data from a variety of locations in NSW is published in the EPA's *Quarterly Air Monitoring Reports*, and may be of assistance in characterising the existing ambient air quality.

All monitoring conducted to establish background concentrations must be conducted in accordance with the methods specified in the *Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales*.

5.2 Accounting for background concentrations

For impact assessments of criteria pollutants, hydrogen fluoride, deposited dust or TSP, the existing background concentrations of the pollutants in the vicinity of the proposal may be included in the assessment as follows.

Level 1 assessments

- Obtain ambient monitoring data that includes at least 1 year of continuous measurements.
- Determine the maximum background concentration of the pollutant being assessed, for each relevant averaging period.
- At the maximum exposed off-site receptor, add the maximum background concentration and the **100th** percentile dispersion model prediction to obtain the total impact, for each averaging period.
- Compare the total impact with the relevant impact assessment criterion and relevant averaging period as shown in Tables 3.1, 3.2, 3.6 and 3.7 as appropriate.

Level 2 assessments

- Obtain ambient monitoring data that includes at least 1 year of continuous measurements and is contemporaneous with the meteorological data used in the dispersion modelling.
- At each receptor, add each individual dispersion model prediction to the corresponding measured background concentration (e.g. add the first hourly average dispersion model prediction to the first hourly average background concentration) to obtain hourly predictions of total impact.
- At each receptor, determine the **100th** percentile total impact for the relevant averaging period, and compare with the relevant impact assessment criterion as shown in Tables 3.1, 3.2, 3.6 and 3.7 as appropriate.

If you intend to use an approach other than that listed above, please discuss it with the Air Assessments Unit of the EPA.

5.3 References

EPA, 1999, *Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales*. NSW Environment Protection Authority, Sydney.

EPA, 1992–present, *Quarterly Air Quality Monitoring Report, Part A: EPA data*. NSW Environment Protection Authority, Sydney.

EPA, 1992–present, *Quarterly Air Quality Monitoring Report, Part B: Industry data*. NSW Environment Protection Authority, Sydney.

SPCC, 1975–1991, *Quarterly Air Quality Monitoring Report*. State Pollution Control Commission, Sydney.

6 Meteorological data

6.1 Minimum data requirements

The meteorological data used in the dispersion modelling is one factor that determines the level of assessment.

Level 1 impact assessments are conducted by using ‘synthetic’ worst-case meteorological data.

- A Level 1 impact assessment must use ‘synthetic’ worst-case meteorological data. Table 6.1 lists the wind speed and stability class combinations that need to be included in the data file.

Level 2 impact assessments are conducted by using site-specific or site-representative meteorological data.

- A Level 2 impact assessment requires at least one year of site-specific meteorological data.
- If site-specific meteorological data is not available for a Level 2 impact assessment, at least one year of site-representative meteorological data must be used. To be deemed acceptable, the one-year site-representative data set must be correlated against a longer duration site-representative meteorological database of at least five years (preferably five consecutive years).
- To determine whether particular meteorological data is in fact site-representative, it must be clearly established that the data adequately describes the expected meteorological patterns at the site under investigation (e.g. wind speed, wind direction, ambient temperature, atmospheric stability class, inversion conditions and katabatic drift).
- The meteorological data must be 90% complete in order to be acceptable for use in Level 2 impact assessments (i.e. for one year, there can be no more than 876 hours of data missing).

6.2 Siting and operating meteorological monitoring equipment

The methods specified in the *Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales* shall be used for establishing, siting, operating and maintaining meteorological monitoring equipment.

Meteorological stations must be established, sited, operated and maintained in accordance with the following methods:

- AM-1 (Standards Australia, 1987 a)
- AM-2 Standards Australia, 1987 b)
- AM-4 (USEPA, 2000).

All meteorological stations used to collect data for dispersion modelling purposes must use an anemometer that has a stall speed 0.5 m/s or less.

For the AUSPLUME dispersion model, the meteorological parameters required are:

- wind speed (m/s)
- wind direction (°)
- ambient temperature (°C)
- atmospheric stability class
- mixed layer height (m).

For deposited dust, the data file must include hourly average values for the following additional parameters:

- Monin–Obukhov length (m)
- surface friction velocity (m/s)
- surface roughness height (m).

Wind speed, wind direction and ambient temperature can be directly measured, but atmospheric stability class and mixed layer height need to be indirectly determined by using other meteorological parameters with empirical formulae.

A meteorological station needs to measure and electronically log wind speed, wind direction and ambient temperature. In addition, for determining atmospheric stability class, either sigma theta (the standard deviation of the horizontal wind direction fluctuation) or total solar radiation in conjunction with temperature measurements at two levels must be measured and electronically logged. All parameters must be logged as one-hour average values as a minimum requirement. In some circumstances these variables may need to be averaged and logged at intervals of 10 minutes or less.

6.3 Preparation of Level 1 meteorological data

The EPA's preferred methods for the preparation of synthetic meteorological data are specified below. Should you wish to use methods other than those specified below, please discuss it with the Air Assessments Unit of the EPA.

Wind speed and stability class

Gaussian plume dispersion models use stability categories as indicators of atmospheric turbulence and the dispersive properties of the atmosphere. Based on the work of Pasquill and Gifford, seven stability categories have been defined: A, very unstable; B, unstable; C, slightly unstable; D, neutral; E, slightly stable; F, stable; and G, very stable conditions. In most dispersion models, stability classes F and G are lumped within one class, termed F.

The stability class at any given time depends on:

- static stability (vertical temperature profile of the atmosphere, i.e. migrating high- and low-air-pressure masses)
- convective or thermal turbulence (caused by the rising of air heated at ground level)
- mechanical turbulence (a function of wind speed and surface roughness, i.e. wind flow over rough terrain, trees or buildings).

Table 6.1 lists the minimum wind speed and stability class combinations that must be included in a Level 1 meteorological data file.

Table 6.1 Wind speed and stability class combinations for Level 1 data file

	Wind Speed (m/s)																		
Stability Class	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	6	7	8	10	12	14	16	18	20
A	*	*	*	*	*	*													
B	*	*	*	*	*	*	*	*	*	*									
C	*	*	*	*	*	*	*	*	*	*	*	*	*	*					
D	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
E	*	*	*	*	*	*	*	*	*	*									
F	*	*	*	*	*	*													

Ambient temperature

For Level 1 impact assessments, the maximum and minimum ambient temperatures that are representative of the site must be included in the Level 1 meteorological data file to account for the range in possible plume rise. Higher ambient temperatures will result in the lowest plume rise and hence the largest impacts.

Mixing height

For Level 1 impact assessments, the mixing height for neutral and unstable conditions (classes A–D) can be calculated by using an estimate of the mechanically driven mixing height. The mechanical mixing height, h , can be calculated as follows:

Equation 6.1, mechanical mixing height for stability classes A–D

$$h = 0.3 \times u^* / f$$

h mixing height (m)

u^* friction velocity (m/s)

f coriolis parameter.

For Level 1 impact assessments, the mixing height, h , for stable conditions (classes E and F) can either be set at an unlimited value (e.g. 5000 m) or calculated as follows:

Equation 6.2, mechanical mixing height for stability classes E and F

$$h = 0.4 \times (u^* / (1/L \times f))^{0.5}$$

h mixing height (m)

u^* friction velocity (m/s)

L Monin–Obukhov length (m)

f coriolis parameter.

Monin-Obukhov length

The Monin–Obukhov length, L , characterises the stability of the surface layer. The surface layer is defined as the layer above the ground in which the vertical variation of heat and momentum flux is negligible. The surface layer is typically 10% the height of the mixed layer. The parameter L can be calculated by using the linear approximation to Golder's plot (Golder, 1972) as follows:

Equation 6.3, Monin–Obukhov length

$$1/L = X + Y \times \log_{10}(Z_o)$$

L Monin-Obukhov length (m)

X & Y parameters dependent on the Pasquill–Gifford stability class (see Table 6.2)

Z_o surface roughness height (m) (see Table 6.3).

Table 6.2 Parameterisation of Golder's plot

Parameter	Pasquill–Gifford stability class					
	A	B	C	D	E	F
X	−0.096	−0.037	−0.002	0.000	0.004	0.035
Y	0.029	0.025	0.018	0.000	−0.018	−0.0365

In Equation 6.3:

- the value of Z_o is the surface roughness height, unless the surface roughness height is outside the range Z_{omin} to Z_{omax} presented in Table 6.3
- if the surface roughness height is $< Z_{omin}$ then use the value of Z_{omin} for Z_o
- if the surface roughness is $> Z_{omax}$ then use the value of Z_{omax} for Z_o .

Table 6.3 Upper and lower limits for surface roughness heights for each Pasquill–Gifford stability class

Parameter	Pasquill–Gifford stability class					
	A	B	C	D	E	F
Z_{omin}	0.001	0.001	0.001	0.001	0.001	0.001
Z_{omax}	18.0	30.0	1.25	50.0	1.6	9.0

Typical values of surface roughness height for various land uses are presented in Table 6.4.

Table 6.4 Typical values of surface roughness height for various land use categories (AUSPLUME version 5.1)

Land use category	Roughness height, Z_o (m)	Land-use category	Roughness height, Z_o (m)
Hill	2.0	High-rise	1.0
Industrial area	0.8	Commercial	0.8
Forest	0.8	Residential	0.4
Rolling rural	0.4	Flat rural	0.1
Flat desert	0.01	Water	0.0001

Surface friction velocity

The surface friction velocity u^* is a measure of mechanical turbulence and is directly related to the surface roughness. The parameter u^* can be calculated by using the procedure presented below (McRae, 1981 and Businger, 1980).

Condition 1: wind speed = 0

$$u^* = 0.001 \text{ m/s}$$

Condition 2: unstable conditions (Pasquill–Gifford stability classes A, B or C, or $1/L < 0$)

$$u^* = VK \times W_{sp} / \phi$$

u^* surface friction velocity (m/s)

VK von Karman constant; use a value of 0.4

W_{sp} absolute value of the wind speed at height Z_r (m/s)

ϕ calculated according to the following equation:

$$\phi = \ln(Z_r / Z_o) + \ln((PZ_o^2 + 1.0) \times (PZ_o + 1.0)^2 / ((PZ_r^2 + 1.0) \times (PZ_r + 1.0)^2)) + 2 \times (\tan^{-1}(PZ_r) - \tan^{-1}(PZ_o))$$

Z_r reference height for the wind measurements (m)

Z_o surface roughness height (m)

PZ_o & PZ_r calculated according to the following equations:

$$PZ_r = (1.0 - 15.0 \times Z_r / L)^{0.25}$$

$$PZ_o = (1.0 - 15.0 \times Z_o / L)^{0.25}$$

Z_r reference height for the wind measurements (m)

Z_o surface roughness height (m)

L Monin–Obukhov length (m).

Condition 3: neutral conditions (Pasquill–Gifford stability class D, or $1/L = 0$)

$$u^* = VK \times W_{sp} / \ln(Z_r / Z_o)$$

u^* surface friction velocity (m/s)

VK von Karman constant; use a value of 0.4

W_{sp} absolute value of the wind speed at height Z_r (m/s)

Z_r reference height for the wind measurements (m)

Z_o surface roughness height (m).

Condition 4: stable conditions (Pasquill–Gifford stability class E or F, or $1/L > 0$)

$$u^* = VK \times W_{sp} / (\ln(Z_r / Z_o) + 4.7 / L \times (Z_r - Z_o))$$

u^* surface friction velocity (m/s)

VK von Karman constant; use a value of 0.4

W_{sp} absolute value of the wind speed at height Z_r (m/s)

Z_r reference height for the wind measurements (m)

Z_o surface roughness height (m).

Coriolis parameter

The coriolis parameter accounts for variation in wind direction with height (wind shear) at different latitudes and can be calculated in accordance with well established techniques.

The coriolis parameter, f , can be calculated as follows:

$$f = 2\Omega\sin(\phi)$$

Ω Earth's rotation rate ($2\pi/86400$ or $7.29 \times 10^{-5} \text{ rad.s}^{-1}$)

π pi or 3.1416 radians (rad)

86400 number of seconds in the day (s/day)

ϕ latitude in radians (rad).

Table 6.5 lists an example of typical mixing heights for a location with a similar latitude to Sydney (34°) and in a rural location (surface roughness height of 0.3 metres) to be included in the Level 1 meteorological data file.

Table 6.5 Typical mixing heights for a rural location (km)

	Wind Speed (m/s)																		
Stability Class	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	6	7	8	10	12	14	16	18	20
A	0.2	0.4	0.6	0.8	1.0	1.2													
B	0.2	0.4	0.5	0.7	0.9	1.0	1.2	1.4	1.6	1.8									
C	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	1.5	1.8	2.1	2.4	3.1					
D	0.2	0.3	0.4	0.6	0.7	0.8	1.0	1.1	1.3	1.4	1.7	2.0	2.2	2.8	3.3	3.9	4.5	5.0	5.0
E	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0									
F	5.0	5.0	5.0	5.0	5.0	5.0	5.0												

Table 6.6 lists an example of typical mixing heights for a location with a similar latitude to Sydney (34°) and in an urban location (surface roughness height of 1.0 metres) to be included in the Level 1 meteorological data file.

Table 6.6 Typical mixing heights for an urban location (km)

	Wind speed (m/s)																		
Stability class	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	6	7	8	10	12	14	16	18	20
A	0.3	0.6	1.0	1.3	1.6	2.0													
B	0.3	0.5	0.8	1.1	1.4	1.7	1.9	2.2	2.5	2.7									
C	0.2	0.4	0.7	0.9	1.1	1.3	1.5	1.8	2.0	2.2	2.6	3.1	3.5	4.4					
D	0.2	0.4	0.6	0.8	1.1	1.3	1.5	1.7	1.9	2.1	2.6	2.9	3.4	4.3	5.0	5.0	5.0	5.0	5.0
E	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0									
F	5.0	5.0	5.0	5.0	5.0	5.0	5.0												

6.4 Preparation of Level 2 meteorological data

For guidance on processing meteorological data for dispersion modelling purposes, the USEPA guide (USEPA, 2000) and USEPA processor (USEPA, 1996) should be used.

Stability class

Three techniques are widely used to determine stability class:

- 1 **Turner's 1964 method:** This requires information on solar altitude or zenith angle, cloud cover, cloud ceiling height and wind speed. Solar altitude can easily be calculated, but cloud cover and ceiling height are generally determined through visual observations.
- 2 **Solar radiation–delta temperature method:** This retains the basic structure and rationale of Turner's 1964 method but eliminates the need for observations of cloud cover and ceiling height. The method uses the surface-layer wind speed (measured at 10 m) in combination with measurements of total solar radiation during the day and a low-level vertical temperature difference (i.e. at 2 m and 10 m) at night.
- 3 **Sigma theta method** (the standard deviation of the horizontal wind direction fluctuation): All modern meteorological data loggers include software to determine sigma theta.

These three methods should be used to determine stability class in the order of preference listed above. The methods outlined in the USEPA guide (USEPA, 2000) should be used for Level 2 impact assessments. For Level 2 impact assessments, hourly stability class should be estimated by using the USEPA meteorological pre-processor for regulatory models (USEPA, 1996) or a processor which includes similar techniques.

Mixing height

Mixing height is the depth through which pollutants released to the atmosphere are typically mixed by dispersive processes. Dispersion of pollutants in the lower atmosphere is greatly aided by the convective and turbulent mixing that takes place. Mixing height determines the vertical extent of dispersion for releases occurring below that height. Releases occurring above that height are assumed to have no ground-level impact (with the exception of fumigation episodes). Therefore, the greater the vertical extent of the mixed layer, the larger the available volume to dilute pollutant emissions.

Morning and afternoon mixing heights are estimated by using vertical temperature profiles (otherwise known as 'upper air data') and surface temperature measurements. For Level 2 impact assessments, hourly mixing heights should be estimated from the twice-daily mixing height values, sunrise and sunset times and hourly stability categories by using the USEPA meteorological pre-processor for regulatory models (USEPA, 1996) or a processor which includes similar techniques.

6.5 Availability of meteorological processing software and guidance documents

Meteorological processing software and guidance documents can be electronically downloaded, free of charge, from the USEPA web site: www.epa.gov/ttn/scram/.

6.6 References

- Businger, J. and Fleagle, R., 1980, *An Introduction to Atmospheric Physics*, Academic Press, New York.
- EPA, 1999, *Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales*, NSW Environment Protection Authority, Sydney.
- Golder, D., 1972, Relations Among Stability Parameters in the Surface Layer, *Boundary Layer Meteorology Volume 3*, 47-58.
- McRae, G. J., 1981, *Mathematical Modelling of Photochemical Air Pollution*, Chapter 4, 'Turbulent Diffusion Coefficients', PhD Thesis, California Institute of Technology, Los Angeles.
- Standards Australia, 1987 a, AS 2922–1987, *Ambient Air—Guide for the siting of sampling units*. Standards Australia, Sydney.
- Standards Australia, 1987 b, AS 2923–1987, *Ambient Air—Guide for the measurement of horizontal wind for air quality applications*. Standards Australia, Sydney.
- USEPA, 1996, *Meteorological Processor for Regulatory Model (MPRM), User's Guide*, EPA-454/B-96-002. United States Environmental Protection Agency, Washington DC, USA.
- USEPA, 2000, *Meteorological Monitoring Guidance for Regulatory Modeling Applications*, EPA-450/R-99-005. United States Environmental Protection Agency, Washington DC, USA.
- Zanetti, P., 1990, *Air Pollution Modelling: Theories, Computational Methods and Available Software*, Van Nostrand Reinhold, New York.

7 Peak-to-mean ratios

For comparison with the glc criteria for hydrogen sulphide and the odour performance criteria for complex mixtures of odours, hourly-average dispersion model predictions must be multiplied by a correction factor called the 'peak-to-mean ratio'.

The following sections detail the methodology for predicting peak (approximately 1 second) concentrations from hourly average dispersion model predictions. More detailed explanations, references and specific experimental work are discussed in supporting technical reports (Katestone Scientific 1995, 1998). These reports are available from the EPA web site at <http://www.epa.nsw.gov.au/air/amgmap>.

7.1 Definitions of terms

The scientific terminology for characterising fluctuations is complex. The following sections provide definitions for the following terms:

- peak concentration
- mean concentration
- peak-to-mean ratio
- intensity of fluctuations
- point source
- area source
- line source
- volume source
- tall stack
- wake-affected stack
- source types
- zones of influence.

Concentration measures

Peak concentration

Typical time-series concentrations of a gaseous pollutant over short time scales and for different source and atmospheric conditions show that the non-zero concentrations are very intermittent (i.e. the data record consists of irregularly spaced 'peaks' or 'singularities'). The time scales involved with the peak depend mainly on the resolution of the instrumentation (greater resolution yields finer structure).

For locations very close to the source, there may be an upper limit to the peak concentration (i.e. the no-dilution case, when short-lived pockets of odour-generating material remain within the plume and so the source emission rate is essentially constant on short time scales). Further downwind there is no effective maximum concentration, and the value of the peak concentration measured depends on the time resolution and the period of observation. For odour design purposes, the peak concentration is

best considered as the maximum concentration that is exceeded no more than a specified percentage of time.

Mean concentration

The mean concentration refers to the predictable concentration at a given point for an averaging period that is long enough to reduce stochastic variability to a reasonable level. The generalisations used in most practical models for mean concentrations (such as profile and turbulence parameters) are valid only for an ensemble of realisations. There is an increasing inherent uncertainty (caused by the imprecise specification of turbulence and wind fields) with decreasing averaging time.

Dispersion models are thought to predict hourly averages relatively accurately, as long as it is recognised that predictions are for the average over all input conditions, consistent with the specification of emission and meteorological conditions (i.e. over an ensemble of realisations of the process). As ensemble averages can be well-approximated only by averages over many time periods of atmospheric motion, the reference time period for mean concentration predictions must be carefully chosen (and is almost certainly *not* 3 minutes). For convective conditions the relevant time scale is approximately 3 to 5 minutes, and hourly averages are a sensible choice. For stable conditions, the time scale may be considerable if mesoscale eddies are present, and the averaging period will be at least one hour.

Peak-to-mean ratio

The peak-to-mean ratio is the peak concentration divided by the mean concentration.

An averaging period of 1 hour is recommended for all dispersion modelling. When using the results of dispersion models, it is convenient to denote P/M60 as the ratio of peak concentrations to 1-hour averages.

Intensity of fluctuations

The concentration characteristics at a given location are well represented by the probability distribution. This data is rarely available, although the lower-order moments (mean C_m , variance $[\sigma_c^2]$, skewness $[S]$ and kurtosis $[K]$) may be measured. The form of the probability distribution is often assumed from previous field and laboratory experiments to be:

- one-parameter (e.g. exponential), or
- multi-parameter (e.g. normal, log normal, clipped normal, clipped gamma, Weibull), or
- more complex (e.g. conjugate beta, K distributions).

Many of these distributions are characterised by a location parameter (i.e. the mean concentration C_m and the standard deviation σ_c [the 'volatility']). More information about the occurrence of peaks within the concentration records is contained within the higher-order moments and other measures such as the intermittency, recurrence interval, and burst and gap lengths. A simple descriptor such as the intermittency (γ , the fraction of the time record with a non-zero concentration) is usually related to the intensity of concentration fluctuations ($i = \sigma_c / C$), both overall and in the plume (i_p).

Experimental and theoretical analyses often concentrate on the overall intensity of fluctuations. If the form of the probability distribution is assumed, the likelihood of a concentration 'n' times the mean can be estimated. The peak-to-mean ratio (P/M) is then given at a specified risk of exceedance.

Source structure

Whichever method is used to evaluate peak and mean concentrations, it is necessary to evaluate source structure. In practice, overall source configuration may be simply one of the following types, or a combination of different source structures or different pollutants.

Point source

For a point source, emissions emanate from a very small volume, and therefore detailed source structure is unimportant. Elevated point sources are referred to as stack sources (see below).

Area source

An area source has a more realistic two-dimensional structure but only a limited vertical extent.

Line source

A line source is a special case of a long, thin area source. In practice, these sources are taken to be at ground level and thin.

Volume source

A volume source is an essentially three-dimensional structure. Usually there are a sufficient number of emission points to consider a uniform emission rate over the full source structure.

Tall stack

An elevated source is usually a stack. Stacks have relatively small horizontal dimensions and usually emit hot gases forcefully into the atmosphere at a fixed height above ground level. The term ‘tall’ stack usually refers to stacks that protrude out of the surface boundary layer (e.g. over 30 to 50 m tall).

Wake-affected stack

If nearby buildings can interfere with the trajectory and growth of the stack plume, the source is called a wake-affected stack. For stack heights up to 2.5 times the surrounding building heights, wake effects may be significant, depending on source characteristics. Such intermediate cases should be dealt with on an individual basis.

Wake-free stacks are sufficiently high (2.5 times the largest nearby building) so that the stack top airflow is not influenced by surrounding buildings.

Source types

The following definitions are to be used:

- A line source becomes an area source if the breadth exceeds 20% of the length.
- A point source has fairly equal lateral dimensions that are very small compared with the distance to the nearest receptor.
- Tall wake-free stack sources extend over 30 m above the ground and are not likely to suffer aerodynamic downwash.
- Wake-affected stack sources have a release height less than a factor of 2.5 below the height of the nearest building located within 5 stack heights.

- Sources should not be considered separate if their separation is less than one tenth of the typical boundary layer height or downwind distance to the nearest receptor.

Zones of influence

Regarding plume behaviour, the location of downstream receptors is classified into three different zones of influence:

- The **near field** is the zone where source structure directly affects plume dispersion. The near field is typically 10 times the largest source dimension, either height or width.
- The **mid field** region is the zone where source characteristics are important but not dominant.
- The **far field** region is the zone where plume rise and meandering have fully occurred and the plume is well mixed in the vertical plane from ground level to the base of the first temperature inversion. In the far field any mathematical expressions of the intensity, $i(x)$, of different surface source characteristics should become similar.

The location of these three zones will depend on atmospheric conditions.

7.2 Basic approach for estimating peak concentrations

Estimate emissions

In practice, odour emission rates from agricultural holdings, sewage treatment plants, ponds and irrigated land may vary considerably owing to fluctuations in wind, temperature and process or animal activity. Modelling of hourly average odour concentrations should forecast mean concentrations for a constant-source emission rate (suitably adjusted for meteorological and process dependencies) and also allow for the variability in intensity, i_E , caused by short-time-scale fluctuations in emission rates.

If it is assumed that the emission and meteorological or dispersive fluctuations are independent (which they may not always be), then the total intensity of fluctuations (i_{tot}) will be given by:

$$i_{tot}^2 = i^2 + i_E^2.$$

For $i_E = 0.2$, the change in total intensity is typically < 10% for i between 0.5 and 1.5.

The emission variability becomes important if i_E becomes comparable to i (e.g. for an area source under stable conditions).

From a practical point of view, for agricultural sources it is important to ensure that the emission rate, E , is properly adjusted for the pertaining meteorological conditions for a given hour (e.g. wind speed, temperature, rainfall and, where animals are involved, the time of day in relation to animal behaviour).

Prescribe concentration intensity

The value of i_{tot} and the form of the probability distribution should be prescribed as a function of downwind distance, stability and source type.

Past studies (Katestone Scientific, 1995) provide guidance about the centre-line variation of $i(x)$, the effects of source size, and the applicability of laboratory and numerical studies to realistic situations. Numerical modelling results (Katestone Scientific, 1995) indicate the differences between point, area and line sources and suggest useful empirical prescriptions for $i(x)$. Wind tunnel results (Katestone

Scientific, 1995) have been used to determine the likely extent of near-field, mid-field and far-field zones.

Katestone Scientific (1995) provides information for each source type, such as:

- approximate prescriptions of the location and magnitude of the maximum centre-line intensity of fluctuations ($x_{\max}$ and $i_{\max}$)
- locations of near-field and far-field zones
- realistic choices for probability distribution
- approximate values of p .

This was extended (Katestone Scientific, 1998) to give profiles for $i(x)$.

For each source type, the detailed results formed the basis for the screening values shown in Table 7.1.

Estimating peak concentrations

With suitable definitions of source type and by selecting the probability distribution $\phi(x)$ and an exceedance rate, P/M values can be used to estimate peak concentrations for a particular set of source and meteorological characteristics. For odour evaluations, the procedure can be repeated to obtain peak odour levels at each receptor for all times in the meteorological data file (See Figure 7.1).

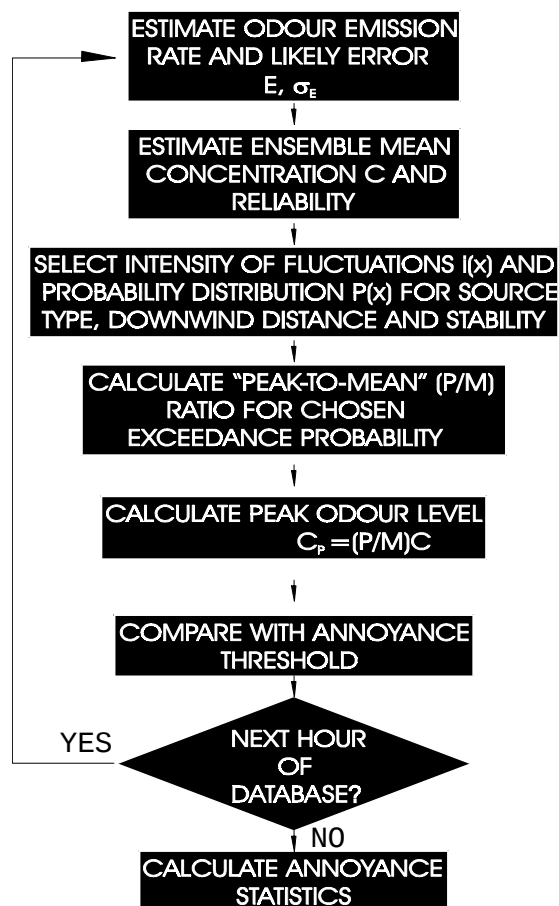
Multiple sources

The procedure is relatively straightforward for individual sources. However, for multiple sources the degree of interaction between the sources will influence the total concentration intensity, so the procedure may become more cumbersome. Because of masking by one component, overlapping odour sources may not give rise to additive effects.

A simpler method for predicting odour levels from multiple sources involves multiplying the emission rate by the corresponding maximum P/M ratio. This gives an effective source strength for use in dispersion modelling of hourly events. At each receptor, the model output for a given hour for each source can be used, if:

- the most prominent contribution is used, or
- if the odour source characteristics are similar and the source separation is less than five times the downwind distance from the source, the contributions are added.

Figure 7.1 Impact assessment procedure using peak-to-mean ratios



7.3 Detailed procedure for estimating peak concentrations

- 1 Use a conventional dispersion model to estimate hourly mean concentrations from hourly averaged meteorological parameters (usually the smallest averaging time available).
- 2 Select the most reasonable values of $i(x)$ and i_E to derive $i_{tot}(x)$.
- 3 Use the probability function approach, assume that the ensemble mean corresponds to the model prediction, and evaluate $P/M60$ for all relevant values of x along the centre-line of the plume.
- 4 For off-axis values, assume a distribution $i(x,y)$ with off-axis distance and repeat step 3.
- 5 For the chosen exceedance probability, evaluate the peak concentration C_p for the hour.
- 6 Repeat the calculations for each hour of the emission and meteorological data set to obtain the probability of C_p exceeding chosen thresholds. Any exposure profiles can be incorporated at this stage (with suitable assumptions of indoor or outdoor concentrations, as necessary).
- 7 Present these exceedance curves together with a rating of odour offensiveness.

7.4 Screening procedure for estimating peak concentrations

In many situations there may be no need to proceed with the full procedure as outlined above. It may be advisable early in the assessment process to identify which of several sources is likely to dominate peak concentrations. A simple screening process is therefore useful.

For screening calculations, the results for each source type can be taken to provide approximate values for:

- location and magnitude of the maximum centre-line intensity of fluctuations ($x_{\max}$ and $i_{\max}$)
- the locations of near-field and far-field zones
- the choice of a suitable time-averaging exponent p for the required distance and exposure ranges.

Table 7.1 identifies conditions for which guiding measurements are available. For other situations (e.g. convective conditions for area and line sources), the values for neutral conditions are suitable defaults. Tall point sources are not expected to give rise to significant concentrations under stable conditions in flat terrain, but values for neutral conditions have been used as defaults. For a first-order approximation, wake effects are assumed to be similar for neutral and convective conditions and very unlikely for stable atmospheric states. The values for volume sources can be assumed to be the same as those for wake-affected point sources.

Table 7.1 shows recommended factors for estimating peak concentrations for different source types, stabilities and distances, for use in screening procedures for flat terrain.

Table 7.1 Factors for estimating peak concentrations in flat terrain

Source type	Pasquill-Gifford stability class	Near-field P/M60*	Far-field P/M60*
Area	A,B,C,D	2.5	2.3
	E,F	2.3	1.9
Line	A–F	6	6
Surface point	A,B,C	12	4
	D,E,F	25	7
Tall wake-free point	A,B,C	17	3
	D,E,F	35	6
Wake-affected point	A–F	2.3	2.3
Volume	A–F	2.3	2.3

* Ratio of peak 1-second average concentrations to mean 1-hour average concentrations.

7.5 Multiple sources

Assessing multiple sources requires determining the number of hours during which the instantaneous concentration has exceeded a chosen threshold at a given receptor due to the set of sources. This can be caused by any of the sources in isolation or by the simultaneous overlap of two or more sources. Dispersion models such as AUSPLUME evaluate mean concentrations for each source and then sum these for total hourly concentrations. Peak concentrations at a given instance depend more on the source separation and turbulence characteristics (i.e. on the degree to which source plumes move in

unison or asynchronously). This is a much more difficult problem when calculating concentrations and even more so when dealing with odours.

Many practical odour situations require additional assumptions. Different types of odour may be additive, and for some source types the response could be caused only by the main odour constituent. For widely separated sources, the odour plumes will move in an uncorrelated fashion and peak values will rarely coincide. In these cases, it may be more practical to consider the peak concentrations individually by applying peak-to-mean ratios to the mean concentrations due to each single source.

Two methods are outlined below, one that can be implemented readily from existing dispersion model results and the other requiring changes to the AUSPLUME dispersion model code. Both methods determine whether an odour threshold is exceeded in a given hour by one or more source types.

Screening method 1 neglects off-axis variations in intensity fluctuations and assumes total addition of contributions from similar sources. If a distance-independent peak-to-mean ratio is used, this simplifies the procedure.

This method can be implemented via the source group option available in AUSPLUME, or by spreadsheet analysis of dispersion model output files.

Screening method 2 is slightly more complex and requires specially written adaptations to the AUSPLUME dispersion model code. It incorporates off-axis influences on $i(x)$ and P/M60 and can deal with different assumptions about odour addition.

For similar odour sources, peak concentrations are allowed to be strictly additive for a conservative assessment. For dissimilar odour sources, the exceedance of an odour threshold is separately considered to give a yes/no predicted impact for a given hour. If the degree of source similarity is unclear, these two assumptions should give a suitable range for conservative and optimistic evaluations. In both cases, the initial output of a yes/no odour impact in a given hour can be processed directly to generate odour statistics, or used with other information (e.g. presence of observers and sensitivity of observers) to generate more meaningful odour statistics.

Screening method 1 (conservative)

A moderately simplified procedure is as follows:

- 1 Separate all the emission sources into groups of similar types (e.g. by odorous compound and source structure).
- 2 For each source j of strength Q_j^s within the groups, assume:
 - there is perfect inter-source correlation
 - the centre-line peak-to-mean ratios $PM_{jk}^s(x)$ can be defined for the effective downwind distance x
 - stability index k can be defined from the recommended values of $i(x)$ and relationships between $i(x)$ and P/M60.
- 3 For a given receptor, determine the mean hourly concentration C_j due to each source. Evaluate the total peak odour concentration C_{tot}^s for a given hour with stability class k .

$$C_{tot}^s = \sum_{j \in s} PM_{jk}^s C_j$$

- 4 For each source type, determine whether this peak concentration exceeds a selected impact threshold, using appropriate criteria.

- 5 Repeat steps 2 to 4 for each hour in the meteorological database, flagging whether an odour response is likely.
- 6 To obtain the total frequency of events with odour annoyance, sum the number of hours when any source type may cause an adverse response.

If the x dependence of PM_{jk} is disregarded, use the following procedure:

- 1 Multiply each source strength Q by the common peak-to-mean ratio PM_{jk}^s for the source type to get an effective source strength E_{jk}^s .
- 2 Evaluate the peak concentrations for all sources of type s by substituting E_{jk}^s as the relevant source strength in the dispersion model. In many cases, the dependence of source strength on stability may be ignored.
- 3 Evaluate threshold exceedances for each group and every hour of the database.
- 4 Determine exceedance statistics by evaluating the number of hours when any of the source types exceeds the appropriate impact assessment criteria.

The above procedure can be included in AUSPLUME or performed on the 'save' files of existing models.

If the output files are used, the procedure has the added benefit of readily incorporating changes in source strengths and effective exposure times of various receptors (e.g. discounting when an isolated resident is away or asleep).

Screening method 2 (more complex)

This procedure requires the full use of a modified AUSPLUME model:

- 1 For a given hour, determine the odour level at a given receptor due to each source Q_j .
- 2 Determine the off-axis distance y_{jr} and downwind distance x_{jr} of the receptor from each source type (e.g. area, point). From these determine the relevant peak-to-mean ratios $PM_j(x_{jr}, y_{jr})$ for the given receptor via the value of $i(x, y)$ and a suitable probability distribution. Determine the mean concentrations $C_j(r)$ at the receptor due to this source.
- 3 Determine the peak odour level $PM_j C_j$ due to each source in the group.
- 4 To determine the odour response for a given hour:
 - a If the odour characteristics of the sources are similar, calculate the sum of the peak concentrations and compare this with the assumed threshold.
 - b If the odour characteristics are dissimilar, evaluate the maximum of the individual peak odour levels at a given receptor.
 - c For intermediate cases, where the sources are similar but spatially well separated, perform evaluations 4a and 4b to obtain upper and lower limits for the likely odour level.
- 5 Determine exceedance statistics by evaluating the number of hours when any of the source types exceeds the appropriate impact assessment criteria.

7.6 References

EPA Victoria, 1990, *The AUSPLUME Gaussian Plume Dispersion Model, First Edition*. Publication 264. Environment Protection Authority of Victoria, Melbourne.

EPA Victoria, 1999, *AUSPLUME Gaussian Plume Dispersion Model, Technical User Manual*. Publication 671. Environment Protection Authority of Victoria, Melbourne.

EPA Victoria, 2000, *AUSPLUME Gaussian Plume Dispersion Model, Technical User Manual*. Environment Protection Authority of Victoria, Melbourne.

Katestone Scientific, 1995, *The Evaluation of Peak-to-Mean Ratios for Odour Assessments*, Volumes I and II. Katestone Scientific Pty Ltd, Brisbane.

Katestone Scientific, 1998, *Peak-to-Mean Concentration Ratios for Odour Assessments*. Katestone Scientific Pty Ltd, Brisbane.

8 Dispersion modelling

8.1 Approved dispersion models

AUSPLUME v5.0 or later is the approved dispersion model for use in most applications in New South Wales.

AUSPLUME v5.0 or later is specifically *not* approved for use in the following applications:

- buoyant line plumes (e.g. discharges from the roof vents of aluminium smelters)
- shoreline fumigation conditions
- inversion breakup fumigation conditions
- tall stacks subject to convective atmospheric conditions
- complex terrain where the height of any receptor exceeds the lowest release height.

There are also other situations where the use of another dispersion model may be more scientifically sound than AUSPLUME.

For the calculation of site-specific emission limits for hydrogen sulphide, written approval must be obtained from the EPA for the use of a dispersion model other than AUSPLUME. An application for approval of an alternative dispersion model must be made in writing to the Chief Scientist, EPA. The application must show that the alternative dispersion model is scientifically sound for the proposed application.

For other applications, the choice of a dispersion model other than AUSPLUME should be discussed with the Air Assessments Unit of the EPA.

Guidance on choosing appropriate alternative dispersion models can be found in the USEPA publication *Guideline on Air Quality Models* (USEPA, 1999).

8.2 Dispersion modelling methodology using AUSPLUME

Unless otherwise stated, the default options specified in the Technical Users Manual (EPA Victoria, 2000) must be used when using AUSPLUME. These options are the most appropriate for most impact assessment applications.

For the calculation of site-specific emission limits for hydrogen sulphide, the use of an alternative dispersion modelling methodology may be proposed by making an application in writing to the Chief Scientist, EPA.

For other applications, alternative dispersion modelling methodologies should be discussed with the Air Assessments Unit of the EPA.

Terrain effects

- Use the Egan half-height approach to account for terrain effects.

Building wake effects

- All building dimensions must be entered in 10° increments. Use the AUSPLUME/USEPA utility program BPIP (USEPA, 1995) to calculate the 36 wind-direction-dependent building dimensions.
- Use the PRIME method to account for building wake effects.
- The USEPA's guidance document on good engineering practice (USEPA, 1985) must be taken into account when designing new stacks to avoid building wake effects.

Horizontal dispersion curves

- For stacks < 100 m high, use sigma theta values or Pasquill–Gifford curves.
- For stacks > 100 m high, use Briggs rural curves.

Vertical dispersion curves

- For stacks < 100 m high, use Pasquill–Gifford curves.
- For stacks > 100 m high, use Briggs rural curves.

Enhance plume spreads for buoyancy

- Enable this option for both the horizontal and vertical dimensions.

Adjust Pasquill–Gifford formulae for roughness height

- Use this option.

Plume rise parameters

- Use the AUSPLUME defaults.

Wind speed categories

- Use the AUSPLUME defaults.

Wind profile exponents

- Use Irwin rural wind profile exponents for rural areas.
- Use Irwin urban wind profile exponents for urban areas.

8.3 Availability of dispersion modelling software and guidance documents

Windows-based AUSPLUME v5.1 can be purchased by writing to:

Environment Protection Authority of Victoria
27 Francis Street
Melbourne Victoria 3000.

The BPIP user's manual and software can be electronically downloaded, free of charge, from the USEPA Web site: www.epa.gov/ttn/scram.

Other dispersion modelling software and guidance documents can be electronically downloaded, free of charge, from the USEPA Web site: www.epa.gov/ttn/scram/.

8.4 References

- EPA Victoria, 1986, *The AUSPLUME Gaussian Plume Dispersion Model, First Edition*. Publication 264. Environment Protection Authority of Victoria, Melbourne.
- EPA Victoria, 1999, *AUSPLUME Gaussian Plume Dispersion Model, Technical User Manual*. Publication 671. Environment Protection Authority of Victoria, Melbourne.
- EPA Victoria, 2000, *AUSPLUME Gaussian Plume Dispersion Model, Technical User Manual*. Environment Protection Authority of Victoria, Melbourne.
- USEPA, 1985, *Guideline for Determination of Good Engineering Practice Stack Height (Technical Support Document for the Stack Height Regulations)*, Revised EPA-450/4-80-023R. United States Environmental Protection Agency, Washington DC, USA.
- USEPA, 1995, *User's Guide to the Building Profile Input Program*, Revised February 1995, EPA-454/R-93-038. United States Environmental Protection Agency, Washington DC, USA.
- USEPA, 1997, *Addendum to ISC3 User's Guide, The PRIME Plume Rise and Building Downwash Model*. United States Environmental Protection Agency, Washington DC, USA.
- USEPA, 1999, *Guideline on Air Quality Models*, 40 CFR, Chapter I, Part 51, Appendix W. United States Environmental Protection Agency, Washington DC, USA.

9 Developing site-specific emission limits

9.1 Worked example

Scenario

A major industry is proposed to be located near Deniliquin (latitude -35.53° , longitude 144.95°). Hydrogen sulphide will be emitted through a stack 40 m high. The stack is more than 2.5 times higher than the nearest buildings located within 200 m (i.e. 5 times the stack height), therefore building wake effects are not likely to occur. The topography of the proposed site is dominated by flat terrain. It is not practicable for this industry type to meet the *Clean Air (Plant and Equipment) Regulation 1997* emission limit for hydrogen sulphide of 5 mg/m^3 . What would be an appropriate site-specific emission limit calculated using a Level 1 assessment?

Source characteristics

Stack height (m)	40
Stack diameter (m)	1
Exhaust temperature ($^\circ\text{C}$)	180
Exhaust velocity (m/s)	20
Exhaust flowrate — Am^3/s — Nm^3/s	15.71 9.47
Hydrogen sulphide emission concentration — mg/Am^3 — mg/Nm^3	21.0 34.8
Hydrogen sulphide emission rate (g/s)	0.33
Building wake effects	No
Location	Rural
Terrain	Flat
Roughness height (m)	0.3
Location of nearest sensitive receptor (m)	2950

Methodology

Dispersion modelling was conducted by using AUSPLUME 4.1. A Level 1 meteorological data file, prepared according to the requirements of Section 6.3, was used for the assessment. Since the nearest sensitive receptor is located at a distance that is greater than 10 times the largest source dimension (i.e. $2950 \text{ m} \gg 400 \text{ m}$ (i.e. 10 times the stack height), far-field peak-to-mean ratios for a tall wake-free point from Table 7.1 are appropriate.

Results

A hydrogen sulphide emission rate of 0.33 g/s gave a maximum 100th percentile ground-level concentration of $4.22 \mu\text{g}/\text{m}^3$ at a distance of 2950 m from the stack. This is less than the glc criterion for hydrogen sulphide of $4.83 \mu\text{g}/\text{m}^3$ at a single residence (see Table 3.4).

Hence, an appropriate site-specific emission limit for hydrogen sulphide would be approximately 35 mg/Nm³.

10 Impact assessment report

10.1 Report requirements

The impact assessment report based on dispersion modelling must contain the information specified below.

Site plan

- Layout of the site clearly showing all unit operations.
- All emissions sources clearly identified.
- Plant boundary.
- Sensitive receptors (e.g. nearest residences).
- Topography.

A description of the activities carried out on the site

- A process flow diagram clearly showing all unit operations carried out on the premises.
- A detailed discussion of all unit operations carried out on the site, including all possible operational variability.
- A detailed list of all process inputs and outputs.
- Plans, process flow diagrams and descriptions that clearly identify and explain all pollution control equipment and techniques for all processes on the premises.
- A description of all aspects of the air emission control system, with particular regard to any fugitive emission capture systems (e.g. hooding, ducting), treatment systems (e.g. scrubbers, bag filters) and discharge systems (e.g. stack).
- The operational parameters of all emission sources, including all operational variability; i.e. location, release type (stack, volume or area) and release parameters (e.g. stack height, stack diameter, exhaust velocity, temperature, emission concentration and rate).

A description of Level 1 meteorological data

- A description of the techniques used to prepare the meteorological data into a format for use in the dispersion modelling.
- The meteorological data used in the dispersion modelling supplied in a Microsoft Windows-compatible format.

A description of Level 2 meteorological data

- A detailed discussion of the prevailing dispersion meteorology at the proposed site. The report should typically include wind rose diagrams; an analysis of wind speed, wind direction, stability

class, ambient temperature and mixing height; and joint frequency distributions of wind speed and wind direction as a function of stability class.

- A description of the techniques used to prepare the meteorological data into a format for use in the dispersion modelling.
- A quality assurance and quality control analysis of the meteorological data used in the dispersion modelling. Provide and discuss any relevant results of this analysis.
- The meteorological data used in the dispersion modelling supplied in a Microsoft Windows-compatible format.

Emission inventory

- A detailed discussion of the methodology used to calculate the expected pollutant emission rates for each source.
- All supporting reports of source emission tests (all analytical reports must contain all the information specified in Section 4 of the *Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales*).
- Methodologies used to sample and analyse for each of the pollutants considered.
- Detailed calculations of pollutant emission rates for each source.
- A table showing all release parameters of stack and fugitive sources (e.g. temperature, exit velocity, stack dimensions, and emission concentrations and rates).
- A table showing all pollutant emission concentrations with a comparison of the emission concentrations against the requirements of the *Clean Air (Plant and Equipment) Regulation 1997*.

Background concentrations

- Methods used to sample and analyse for each of the pollutants considered.
- A detailed discussion of the methodology used to calculate the background concentrations for each pollutant.
- Tables summarising the ambient monitoring data.

Dispersion modelling

- A detailed discussion and justification of all parameters used in the dispersion modelling and the manner in which topography, building wake effects and other site-specific peculiarities that may affect plume dispersion have been treated.
- A detailed discussion of air quality impacts for all relevant pollutants, based on predicted glcs at the plant boundary and beyond, and at all sensitive receptors.
- Glc isopleths (contours) and tables summarising the predicted concentrations of all relevant pollutants at sensitive receptors.
- All input, output and meteorological files used in the dispersion modelling supplied in hard copy and a Microsoft Windows-compatible format.

Site-specific emission limits

- All calculations and data relating to the derivation of site-specific emission limits.

10.2 References

EPA, 1999, *Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales*.
NSW Environment Protection Authority, Sydney.

11 Conversion factors

The physical state of gaseous air pollutants at atmospheric concentrations may be described by the ideal gas law:

Equation 11.1: Ideal gas law

$$pv = nRT$$

- p absolute pressure of gas (atm)
- v volume of gas (L)
- n number of moles of gas (mol)
- R universal gas constant (L.atm/mol.K)
- T absolute temperature (K)

The number of moles (n) may be calculated from the weight of pollutant (W) and its molecular weight (m) by:

Equation 11.2

$$n = W/m.$$

Substituting Equation 12 into Equation 11.1 and rearranging yields:

Equation 11.3

$$v = WRT/pm.$$

Parts per million (ppm) refers to the volume of pollutant (v) per million volumes of air (V):

Equation 11.4

$$\text{ppm} = v/V \times 10^6.$$

Substituting Equation 11.3 into Equation 11.4 yields:

Equation 11.5: Conversion from volume to mass units of concentration

$$\text{ppm} = \frac{W}{V} \frac{RT}{pm \times 10^6}$$

Using the appropriate values for the variables in Equation 11.1, a conversion from volume to mass units of concentration for carbon monoxide may be derived as shown below:

- T 298.15 K (25 °C)
- p 1 atm
- m 28 g/mol
- R 0.08205 L.atm/mol.K

$$ppm = \frac{W(g) \times 10^3 (mg/g)}{V(l)} \times \frac{0.08205 (L.atm/mol.K) \times 298.16(K)}{1(atm) \times 28(g/mol) \times 10^6}$$

$$1 \text{ ppm} = 0.873 \text{ mg/m}^3$$

$$1 \text{ mg/m}^3 = 1.15 \text{ ppm.}$$

Table 11.1 contains some common conversion factors for the criteria air pollutants.

Table 11.1 Common conversion factors for criteria air pollutants

Pollutant	Units	To convert to:	Multiply by:
Ozone (O ₃)	pphm	µg/m ³ (0°C)	21.4
		µg/m ³ (25°C)	19.6
Nitric oxide (NO)	pphm	µg/m ³ (0°C)	13.4
		µg/m ³ (25°C)	12.3
Nitrogen dioxide (NO ₂)	pphm	µg/m ³ (0°C)	20.5
		µg/m ³ (25°C)	18.8
Sulphur dioxide (SO ₂)	pphm	µg/m ³ (0°C)	28.6
		µg/m ³ (25°C)	26.2
Lead (Pb)	µg/m ³ (0°C)	µg/m ³ (25°C)	0.92
Carbon monoxide (CO)	ppm	µg/m ³ (0°C)	1.25
		µg/m ³ (25°C)	1.15

12 Glossary

affected zone	The area within which the impact assessment criteria are likely to be exceeded, and unacceptable air quality impacts may result
AUSPLUME	EPA Victoria's Gaussian dispersion model (this software should be used for Level 1 and 2 impact assessments)
background levels	Existing concentrations of pollutants in the ambient air
BPIP	Building Profile Input Program (USEPA software used to generate data for AUSPLUME to account for building wake effects)
building wake effects	The effect on plume dispersion caused by the presence of buildings near a stack, usually resulting in increased ground-level concentrations of pollutants
C	Convective atmospheric conditions
°C	Temperature in degrees Celsius
C_m	Mean concentration
$C(r)$	$C(x,y,z)$ or concentration profile
C_p	Peak concentration
$C(x,y,z)$	Concentration at distance x, off axis distance y and height z from the base of the source
criteria pollutants	The pollutants sulphur dioxide, nitrogen dioxide, ozone, PM_{10} , lead and carbon monoxide
diffuse source	Activities that are generally dominated by fugitive area or volume source emissions of odour, which can be relatively difficult to control; for example, waste water treatment plant
dispersion modelling	Modelling by computer used to mathematically simulate the effect on plume dispersion under varying atmospheric conditions; used to calculate spatial and temporal fields of concentrations and particle deposition due to emissions from various source types
EPA	NSW Environment Protection Authority
g	Mass in grams
glc	Ground-level concentration
glc criteria	glc criteria for individual odorous or toxic air pollutants specified in mg/m^3 or ppm as a 3-minute average
h	Stack height in metres
i_{tot}	Intensity of concentration fluctuations (total)
i_E	Intensity of short-time-scale fluctuations in emission rates
i_f	'Final' intensity for large downwind distances

$i_{\max}$	Maximum intensity
i_p	Intensity of plume concentration fluctuations
$i(r)$	$i(x,y,z)$ or intensity profiles
$i(x)$	intensity at downwind distance x
$i(x,y)$	intensity at down wind distance x and off axis distance y
incremental impact	The impact due to an emission source (or group of sources) in isolation, i.e. without including background levels.
K	Temperature in Kelvin
kPa	Pressure in kilopascals
K	Kurtosis, a deviation from a standard normal distribution. Positive kurtosis indicates that more of the values in a distribution are located near the mean than in a standard normal distribution. Negative kurtosis indicates that more of the values are located in the tails than in a standard normal distribution
L	Monin–Obukhov length, which characterises the stability of the surface layer
Level 1	A screening dispersion modelling procedure
Level 2	A refined dispersion modelling procedure
m	Length in metres
m^3	Volume in cubic metres
μg	Mass in micrograms
mesoscale	A meteorological phenomenon approximately 10 to 1000 kilometres in horizontal extent
mg	Mass in milligrams
Nm^3	Normal cubic metre. A normal cubic metre is the volume of dry gas that occupies a volume of 1 m^3 at a temperature of 273 K and an absolute pressure of 101.3 kPa.
odour performance criteria	For complex mixtures of odours, specified in OU/m^3 (odour units per cubic metre) as a nose-response-time average
OU	Odour units; concentration of odorous mixtures in odour units. The number of odour units is the concentration of a sample divided by the odour threshold or the number of dilutions required for the sample to reach the threshold. This threshold is the numerical value equivalent to when 50% of a testing panel correctly detect an odour
OU/m^3	Odour units per cubic metre
peak-to-mean ratio	A conversion factor that adjusts mean dispersion model predictions to the peak concentrations perceived by the human nose
pphm	Concentration in parts per hundred million

ppm	Concentration in parts per million
PM ₁₀	Particulate matter less than 10 µm in aerodynamic equivalent diameter
P/Mn	Ratio of peak concentrations to 'n' minute averages
point source	Activities that involve stack emissions of odour; these can generally be relatively easily controlled by using waste reduction, waste minimisation and cleaner production principles or conventional emission control equipment
sensitive receptor	A location where people are likely to work or reside; this may include a dwelling, school, hospital, office or public recreational area. An air quality impact assessment should also consider the location of known or likely future sensitive receptors. For hydrogen fluoride, a sensitive receptor includes land use areas with vegetation sensitive to hydrogen fluoride such as grapevines and stone fruit
separation distance	The distance between a source and sensitive receptors (or likely future sensitive receptors)
source separation	The distance between two emission sources
σ	Standard deviation
σ_c	Standard deviation of concentrations
σ_c^2	Variance
σ_y	Horizontal dispersion parameter
σ_y	Initial horizontal plume spread for volume sources
σ_z	Initial vertical plume spread for volume sources
S	Skewness
stack	A vertical pipe used to vent pollutants from a process
stationary source	Any premises-based activity; does not include motor vehicles
total impact	The total impact of an emission source (or group of sources) and existing ambient levels of a pollutant; i.e. total impact = background levels + incremental impact
U	Wind speed
USEPA	United States Environmental Protection Agency
x	Downwind distance in metres
x _{max}	Distance from source to location experiencing maximum intensity (i _{max})
y	Off-axis distance in metres

TRANSPORT ADMINISTRATION ACT 1988**Order No. 78*****Amendments to Passenger Fares and Coaching Rates Handbook
taking into account the 2001 CityRail Fare Review
Effective from 1 July 2001***

The State Rail Authority of New South Wales in pursuance of the Transport Administration Act 1988 and section 85 thereof, hereby makes the following order:

1. This Order shall take effect from 1 July 2001
2. The handbook issued by the Authority entitled "Passenger Fares and Coaching Rates Handbook - Effective from: 5 July 1998" and adopted and incorporated by reference on Order No. 69 published in the Government Gazette No. 102 of 3 July 1998, is amended as follows:

By omitting Clause 14 and inserting instead:

14. Passengers commencing a CityRail journey from a station other than the issuing station

- (a) Passengers are not entitled to purchase a 7-Day RailPass or FlexiPass to gain a fare advantage at a station/location, which requires staff to change the origin on the ticketing device to sell such product.

Example: A passenger requests a 7-Day RailPass at Thornleigh for travel from Asquith to the City (fare advantage would be achieved as fares from Asquith are calculated by the North Shore Line and are cheaper than the fare from Thornleigh).

- (b) The provision of the clause does NOT apply in cases where a passenger was unable to purchase their ticketing needs at the origin station or was travelling on the authority of a GPT/ATTR and required to exchange these for their required product.
- (c) Passengers may purchase a CityRail ticket to join a service at a station/location other than the issuing station/location provided that such travel passes through the issuing station/location and the passenger does not receive a fare advantage.

Example: A CityRail ticket may be purchased at Parramatta station to cover travel between Westmead and Central but NOT between Strathfield and Central.

- (d) The provision of the clause does NOT apply in cases where a ticket is being extended to cover additional travel.

Example: When a Seven-Day RailPass available between Epping and City is being extended to cover travel between Epping and Milsons Point by purchase of an ancillary ticket for additional travel between Wynyard and Milsons Point.

By omitting Refund of Fares Sub-Clause 24 (c) and inserting instead:

- (c) When refund is sought through causes not ascribable to CityRail, the refund value of a fare or a ticket will be reduced by the applicable Refund Fee. The Refund Fees are:

Each One Day, 7 Day ticket and FlexiPass ticket submitted for refund or each ticket for any intermediate number of days (eg. SydneyPass)	Half the Adult 5Km 7- Day RailPass Fare.
Replacement fees for lost or mutilated passes or concessions and lost FlexiPass tickets.	The Adult 5km 7 – Day Rail Pass Fare

By omitting Periodical Ticket Refunds Clause a 25 and inserting instead:**25. Periodical Ticket Refunds**

Subject to the deduction prescribed in clause 24, a refund may be allowed on a Periodical ticket surrendered during its currency and the value of travel made thereon will be computed as follows:

(a) Seven-Day RailPass and FlexiPass Periodical Ticket (Rail Only)

The appropriate daily fare multiplier deducted for each day that the Authority does not have the ticket, plus the standard refund fee. Any part of a day counts as one (1) day.

- i. Refund multiplier for 7 Day and Flexipass Tickets up to 28 days are shown in the table below. For Flexipass tickets in excess of 28 days refer to the multipliers listed in Clause 69.

No. Days	Multiplier	No. Days	Multiplier	No. Days	Multiplier	No. Days	Multiplier
1	0.245	8	1.240	15	2.250	22	3.240
2	0.490	9	1.480	16	2.490	23	3.490
3	0.740	10	1.730	17	2.740	24	3.620
4	0.965	11	1.950	18	2.970	25	3.630
5	0.970	12	1.970	19	2.980	26	3.640
6	0.980	13	1.980	20	2.985	27	3.650
7	1.000	14	2.000	21	3.000	28	3.660

(b) MetroPass Weekly Tickets

Twenty-five per cent of the MetroPass Weekly fare for each day (or part of a day) the ticket was out of the possession of CityRail.

(c) TravelPass Weekly Tickets

Twenty-five per cent of the TravelPass Weekly fare for each day (or part of a day) the ticket was out of the possession of CityRail.

(d) TravelPass Quarterly/Yearly.

Twenty-five per cent of the TravelPass Weekly fare for each day (or part of a day) plus the applicable TravelPass Weekly or Quarterly fare as the case may be, for the time the ticket was out of the possession of CityRail.

- (e) Ticket issued in substitution for lost periodical ticket in accordance with clause 64. The total fare due for the period the substitute ticket was out of the possession of CityRail ascertained subject to subclause (b) or (e) as determined by the classification of the original ticket.

A refund is only payable on the SUBSTITUTE (ie. NOT the original) ticket's value. See Clause 19.

By omitting Clause 28 and inserting instead:

28. Family Fare Scheme

- (a) The family fare scheme applies to groups who are all members from the same family.
- (b) Travel is permitted as a family group when all Adults (minimum of 1) are in possession of the applicable ticket/pass for each Adult and one child ticket. All additional children are carried free.
- (c) For the purpose of this clause Adult ticket refers to:
 - i. Adult Ordinary and Off Peak tickets
 - ii. Adult RailPass, FlexiPass and TravelPass Periodical tickets
 - iii. Adult concession tickets
 - iv. Pensioner Excursion tickets.
- (d) All children travelling in the group must be under 16 years of age or holders of the Australian School Pupil Identification Card (form 202).
- (e) The family fare scheme does not apply for:
 - i. Entry to tourist product venues (special family fares may apply)
 - ii. Travel from the interchange station to some Intermodal destinations.

By omitting Clause 31 and inserting instead:

31. Alternative Route Travel on CityRail Services

- (a) For the purpose of this clause, the following details apply:-
 - i. Approved routes of travel for break of journey.

Ticket covering through journey between	Approved routes
Cabramatta and Lidcombe	Shortest route - via Sefton and Berala Other routes - via Merrylands and Auburn
Glenfield and Redfern	Shortest route - via East Hills and St Peters Other routes - via Casula, Merrylands and Ashfield - via Casula, Sefton and Ashfield - via Casula, Sefton, Bankstown and St Peters
Granville and Liverpool (or Glenfield)	Shortest route - via Merrylands (and Casula) Other routes - no
Hornsby and City or Central	Shortest route - via Chatswood Other routes - no
Asquith (ie. North of Hornsby) and City or Central	Shortest route - via Chatswood Other routes - via Epping and Ashfield
Hornsby and Granville	Shortest Route - via Epping and Auburn Other routes - no
Hornsby and Cabramatta	Shortest Route - via Epping and Sefton Other routes - via Epping and Merrylands
Hornsby and Glenfield	Shortest Route - via Epping, Sefton and Casula Other routes - via Epping, Merrylands and Casula

(b) For the purpose of this clause, the following definitions apply.

Topic	Details
Circular Route	Any of the following sections of railway line or CityRail operated road coach route: - Hornsby Circle (City, Chatswood, Hornsby, Epping, City) - Glenfield Circle (City, Sydenham, Glenfield, Strathfield, City) - Bankstown Circle (City, Sydenham, Bankstown, Strathfield, City) - Lidcombe - Cabramatta Circle (Lidcombe, Regents Park, Cabramatta, Granville, Lidcombe) - Robertson Circle (City, Wollongong, Robertson, Moss Vale, Liverpool, City)
Alternative Route	Any other travel route which may be available between two stations or locations.
Alternative Route Travel On A Circular Route	The opposite direction of travel between two stations or locations situated on the same circular route.
CRE (Circular Route Entry) Station	Any station on a circular route which is also a point for travel to or from another line eg. Strathfield is a CRE (To/From South/West) station on the Hornsby Circle.

(c) Approved routes of travel for breaks of journey on a Circular Route

Ticket covering journey between two stations on a circular route	Approved routes
Hornsby Circle City - Chatswood - Hornsby - Epping - Strathfield - Ashfield - City	Shortest route - shortest distance between both stations Other route - only if the distance via the shortest route (route paid for) is more than 42.5% for the total circular route distance
Glenfield Circle City - St Peters - Sydenham - East Hills - Glenfield - Strathfield - Ashfield - City	Shortest route - shortest distance between both stations Other route - only if the distance via the shortest route (route paid for) is more than 45% for the total circular route distance
Bankstown Circle City - St Peters - Sydenham - Bankstown - Lidcombe - Strathfield - Ashfield - City	Shortest route - shortest distance between both stations Other route - only if the distance via the shortest route (route paid for) is more than 37% for the total circular route distance
Lidcombe - Cabramatta Circle Lidcombe - Regents Park - Cabramatta - Granville - Lidcombe	Shortest route - shortest distance between both stations Other route - only if the distance via the shortest route (route paid for) is more than 45% for the total circular route distance
Robertson Circle City - Wollongong - Robertson - Moss Vale - Glenfield - City	Shortest route - shortest distance between both stations Other route - only if the distance via the shortest route (route paid for) is more than 45% for the total circular route distance

(d) For the purpose of this clause, the following details apply:-

Topic	Details
Fare	The fare for travel between any two CityRail stations or locations will normally be assessed by the shortest Practicable Route. When break of journey is required on a longer route, the fare will be assessed by such longer route.
Break of journey	Unless otherwise provided, a journey may not be broken or terminated at an intermediate station or location when travel is made by a longer route.
Travel between any two stations or locations on the same Circular Route	When the distance via the longer route is less than the specified % of the whole Circular Route distance (refer to clause C), a periodical ticket (Seven-Day RailPass and monthly included) is available for break of journey on either route. CityRail reserves the right to vary this condition from time to time.
Travel between any two stations, one of which is situated on a Circular Route or each station is situated on a different Circular Route	The alternative travel conditions will be those applicable for travel between the CRE Station and the station situated on the same circular route as the CRE Station. Eg. Travel between Hornsby and Homebush: i. In respect of Hornsby Circle Alternative travel conditions will be those applicable for travel between Strathfield and Hornsby. ii. In respect of Bankstown Circle Alternative travel conditions will be those applicable for travel between Strathfield and Homebush.
Exceptions	In cases of announced major disruption to CityRail services, passengers may be permitted to travel to a station (or location) on another route which serves the same district as that of the original starting point without additional cost, whilst in possession of the original ticket purchased. Where two or more routes of travel exist and rail services are replaced by buses on one of the routes through causes either attributed or not attributed to CityRail, passengers may be permitted to, if they so desire, travel by rail by the Alternative Route to the destination station without additional cost.

By omitting Clause 49 and inserting instead:

49 CityRail Single and Return Fares

Use this table to calculate all CityRail Single and Return fares. All fares include a Goods and Services Tax (GST) component.

Distance Not Exceeding	Adult		Child, Student Pensioner*, Half Fare	
	Single	Return	Single	Return
Km	\$	\$	\$	\$
5.00	2.20	4.40	1.10	2.20
10.00	2.60	5.20	1.30	2.60
15.00	2.80	5.60	1.40	2.80
20.00	3.40	6.80	1.70	3.30
25.00	3.60	7.20	1.80	3.60
30.00	4.00	8.00	2.00	4.00
35.00	4.20	8.40	2.10	4.20
45.00	5.00	10.00	2.50	5.00
55.00	5.80	11.60	2.90	5.80
65.00	6.40	12.80	3.20	6.40
75.00	7.80	15.60	3.90	7.80
85.00	8.60	17.20	4.30	8.60
95.00	9.60	19.20	4.80	9.60
105.00	10.00	20.00	5.00	10.00
115.00	11.20	22.40	5.60	11.20
125.00	12.40	24.80	6.20	12.40
135.00	12.60	25.20	6.30	12.60
155.00	14.60	29.20	7.30	14.60
175.00	16.60	33.20	8.30	16.60
195.00	19.80	39.60	9.90	19.80
215.00	21.00	42.00	10.50	21.00
235.00	24.00	48.00	12.00	24.00
255.00	25.00	50.00	12.50	25.00
305.00	27.00	54.00	13.50	27.00
550.00	29.00	58.00	14.50	29.00

* In the case of Pensioner travel, the fares prescribed under the heading "Child, Student, Pensioner, Half Fare" will be applicable only when such fare is less than the fare prescribed for a Pensioner's Combined Rail, Bus and Ferry Excursion Ticket.

By omitting Clause 50 and inserting instead:

50 Off Peak Return Tickets

(a) Adult Off Peak Return Tickets

Adult Off Peak return tickets will be available as set out hereunder for journeys between any two stations within the CityRail Area. The fares will be:

Distance Not Exceeding	Adult	Distance Not Exceeding	Adult	Distance Not Exceeding	Adult
Km	\$	km	\$	km	\$
5.00	2.60	75.00	9.20	215.00	25.00
10.00	3.00	85.00	10.20	235.00	29.00
15.00	3.40	95.00	11.40	255.00	30.00
20.00	4.00	105.00	11.80	305.00	32.00
25.00	4.20	115.00	13.40	550.00	35.00
30.00	4.80	125.00	14.80		
35.00	5.00	135.00	15.00		
45.00	6.00	155.00	17.40		
55.00	7.00	175.00	19.80		
65.00	7.60	195.00	24.00		

(b) Child Off Peak Return Tickets

- i. The fares for Child Off Peak Return Tickets shall be*:
 1. Between any two stations wholly within the Sydney Suburban Area \$2.30
 2. Between any two stations wholly within the Newcastle Suburban Area \$2.30
 3. Between any two stations wholly within the Outer Metropolitan Area or between a station in the Outer Metropolitan Area and a station within the Sydney Suburban Area or vice versa \$3.40
 4. Travel wholly within the CityRail Area other than as in (1), (2) and (3) above. \$5.60

** Except where special fares apply as prescribed in clause 48 or child ordinary fare is cheaper.*
- ii. Person's 16 years of age or over in possession of ROA School Pupil identification card (Form 202) may be issued tickets at the Child's off peak fare. This concession will NOT be allowed to holders of ROA Student Identification Card (Form 201) or New South Wales Student identification Card (Form 204).
- iii. Off Peak return tickets will be available for travel from 9.00 am, on Mondays to Fridays and at any time on Saturdays, Sundays and Public Holidays. Unless Authorised by the Authority, they will only be issued after the departure of the last service prior to 9.00 am, on Mondays to Fridays except they may be issued to enable travel by authorised services as published from time to time, which depart prior to 9.00 am, on Mondays to Fridays.
- iv. Unless Authorised by the Authority, Off Peak return tickets will NOT be available for travel by Country Passenger Services.
- v. Off Peak return tickets will be available for travel on day of issue only.
- vi. CityRail reserves the right to suspend or discontinue Off Peak return tickets.

By omitting Clause 54 and inserting instead:

54. CityHopper Tickets

CityHopper Tickets will be available on day of issue for:

- (a) Unlimited rail travel on CityRail services wholly within the CityHopper zone.

The fares for such travel will be:

	Normal Fare	Off Peak Fare
ADULT	\$6.40	\$4.60
CHILD	\$3.20	\$2.30

- (b) Rail only travel from any other CityRail station to a station within CityHopper zone and return, plus

Unlimited rail travel on CityRail services wholly within the CityHopper zone.

The fares for such travel will be:

ADULT - applicable return fare to City plus	\$2.00
CHILD - applicable return fare to City plus	\$1.00

- (c) The CityHopper zone shall be defined as:

For CityRail services - the area bounded by Redfern, Kings Cross, and North Sydney (includes Central, Town Hall, Wynyard, Circular Quay, St James, Museum, Martin Place and Milsons Point).

- (d) CityHopper tickets will ONLY be available for break of journey within the CityHopper zone.
- (e) Off Peak CityHopper tickets will be available for travel under conditions applicable to Off Peak return tickets.

By omitting Clause 55 and inserting instead:

55. DayTripper Tickets

- (a) DayTripper tickets will be issued on any day for unlimited travel by all services operated by CityRail and State Transit Authority (Premium, special and charter services excepted), wholly within the Purple TravelPass zone (refer to clause 71(f)).
- (b) Tickets will be available for travel for the date shown thereon only.
- (c) The fares for DayTripper tickets will be :

	Normal Fare
ADULT	13.00
CHILD	6.50

- (d) DayTripper tickets will not be issued in advance from CityRail ticket offices.
- (e) The Family Fare Scheme may be applied to DayTripper tickets for family groups.
- (f) Persons 16 years of age and over in possession of ROA School Pupil Identification Card (Form 202) may be issued DayTripper tickets at the Child's Fare. This concession will not be allowed to holders of ROA Student Identification Card (known as Form 201) or New South Wales Student Identification Card (Form 204).
- (g) DayTripper tickets may be sold from the OMA and Greater CityRail Areas, on payment of the appropriate return rail fare from the issuing station to the boundary station of the SSA plus the DayTripper fare.

By omitting Other Concession fares Available for travel on CityRail Services Sub-Clause 60(h) and inserting instead:

(h)	St Johns Ambulance Brigade and Red Cross in uniform travelling on duty wholly within the CityRail Area.	Free economy travel within the CityRail Area whilst in uniform travelling on duty.
-----	---	--

By omitting Clause 64 and inserting instead:

64. Lost FlexiPass or TravelPass Tickets

- (a) Except where otherwise provided, when a FlexiPass/TravelPass Ticket is lost, a substitute ticket may be obtained by submitting a Statutory Declaration stating when and as well as possible the circumstances under which the ticket was lost, and paying 10 per cent of the value of the ticket for the unexpired time it could have been used; minimum fee being half the RailPass (7 Day) fare for 5 kilometres.

The receipt provided at the time of purchasing a FlexiPass periodical ticket or a TravelPass Quarterly or Yearly ticket as “proof of purchase”, it must also be tendered with the Statutory Declaration.

- (b) When a Free School Pass or TAFE College Pass is lost or mutilated a Statutory Declaration will not be required, but the pupil whose ticket is lost or mutilated must furnish a written statement setting out the circumstances in which it was lost or mutilated and this statement must be witnessed by the Principal of the School or TAFE College and will be sufficient to warrant the issue of a substitute ticket in lieu of the lost or mutilated one on payment of the replacement fee to the Department of Transport through the School or TAFE College.

The replacement fee shall be as in clause 24 (c)

- (c) When an incapacitated ex-service person’s pass (see clause 74) is lost, a substitute pass may be obtained by handing to the Passes and Concessions Office, 492 Pitt St Sydney, a Statutory Declaration stating when and as well as possible, the circumstances under which the ticket was lost and paying the replacement fee.

The replacement fee shall be as in clause 24 (c)

By omitting Clause 67 and inserting instead:

67. Seven-Day RailPass Periodical Tickets - Fares

- (a) The fare for an Adult Seven-Day RailPass periodical ticket is that ascertained in accordance with the following table:

Distance Not Exceeding km	Fare \$	Distance Not Exceeding km	Fare \$
5.00	17.00	95.00	50.00
10.00	20.00	105.00	52.00
15.00	23.00	115.00	54.00
20.00	26.00	125.00	57.00
25.00	28.00	135.00	62.00
30.00	30.00	155.00	67.00
35.00	31.00	175.00	71.00
45.00	35.00	195.00	79.00
55.00	38.00	215.00	81.00
65.00	42.00	235.00	93.00
75.00	45.00	255.00	97.00
85.00	48.00	305.00	105.00
		305.00+	113.00

(b) Special Fares

Special Seven-Day RailPass Periodical ticket fares will apply between certain stations as outlined hereunder.

From	To	Fare (Adult) \$
Milsons Point	City	17.00
Macdonaldtown	City	17.00

By omitting TravelPass Tickets – Sydney Area Sub-Clause 71 (a) and inserting instead:

69. FlexiPass Periodical Ticket Fares

- (a) The adult fare for FlexiPass tickets shall be ascertained in accordance with the following table. To calculate a FlexiPass fare multiply the appropriate RailPass distance fare by the multiplier for the number of days required. Such fare is to be rounded off to the nearest dollar.

No. Days	Multiplier	No. Days	Multiplier	No. Days	Multiplier	No. Days	Multiplier	No. Days	Multiplier	No. Days	Multiplier
28	3.660	85	10.500	142	16.768	199	22.981	256	29.194	313	35.407
29	3.780	86	10.620	143	16.877	200	23.090	257	29.303	314	35.516
30	3.900	87	10.740	144	16.986	201	23.199	258	29.412	315	35.625
31	4.020	88	10.860	145	17.095	202	23.308	259	29.521	316	35.734
32	4.140	89	10.980	146	17.204	203	23.417	260	29.630	317	35.843
33	4.260	90	11.100	147	17.313	204	23.526	261	29.739	318	35.952
34	4.380	91	11.209	148	17.422	205	23.635	262	29.848	319	36.061
35	4.500	92	11.318	149	17.531	206	23.744	263	29.957	320	36.170
36	4.620	93	11.427	150	17.640	207	23.853	264	30.066	321	36.279
37	4.740	94	11.536	151	17.749	208	23.962	265	30.175	322	36.388
38	4.860	95	11.645	152	17.858	209	24.071	266	30.284	323	36.497
39	4.980	96	11.754	153	17.967	210	24.180	267	30.393	324	36.606
40	5.100	97	11.863	154	18.076	211	24.289	268	30.502	325	36.715
41	5.220	98	11.972	155	18.185	212	24.398	269	30.611	326	36.824
42	5.340	99	12.081	156	18.294	213	24.507	270	30.720	327	36.933
43	5.460	100	12.190	157	18.403	214	24.616	271	30.829	328	37.042
44	5.580	101	12.299	158	18.512	215	24.725	272	30.938	329	37.151
45	5.700	102	12.408	159	18.621	216	24.834	273	31.047	330	37.260
46	5.820	103	12.517	160	18.730	217	24.943	274	31.156	331	37.369
47	5.940	104	12.626	161	18.839	218	25.052	275	31.265	332	37.478
48	6.060	105	12.735	162	18.948	219	25.161	276	31.374	333	37.587
49	6.180	106	12.844	163	19.057	220	25.270	277	31.483	334	37.696
50	6.300	107	12.953	164	19.166	221	25.379	278	31.592	335	37.805
51	6.420	108	13.062	165	19.275	222	25.488	279	31.701	336	37.914
52	6.540	109	13.171	166	19.384	223	25.597	280	31.810	337	38.023
53	6.660	110	13.280	167	19.493	224	25.706	281	31.919	338	38.132
54	6.780	111	13.389	168	19.602	225	25.815	282	32.028	339	38.241
55	6.900	112	13.498	169	19.711	226	25.924	283	32.137	340	38.350
56	7.020	113	13.607	170	19.820	227	26.033	284	32.246	341	38.459
57	7.140	114	13.716	171	19.929	228	26.142	285	32.355	342	38.568
58	7.260	115	13.825	172	20.038	229	26.251	286	32.464	343	38.677
59	7.380	116	13.934	173	20.147	230	26.360	287	32.573	344	38.786
60	7.500	117	14.043	174	20.256	231	26.469	288	32.682	345	38.895
61	7.620	118	14.152	175	20.365	232	26.578	289	32.791	346	39.004
62	7.740	119	14.261	176	20.474	233	26.687	290	32.900	347	39.113
63	7.860	120	14.370	177	20.583	234	26.796	291	33.009	348	39.222
64	7.980	121	14.479	178	20.692	235	26.905	292	33.118	349	39.331
65	8.100	122	14.588	179	20.801	236	27.014	293	33.227	350	39.440
66	8.220	123	14.697	180	20.910	237	27.123	294	33.336	351	39.549
67	8.340	124	14.806	181	21.019	238	27.232	295	33.445	352	39.658
68	8.460	125	14.915	182	21.128	239	27.341	296	33.554	353	39.767
69	8.580	126	15.024	183	21.237	240	27.450	297	33.663	354	39.876
70	8.700	127	15.133	184	21.346	241	27.559	298	33.772	355	39.985
71	8.820	128	15.242	185	21.455	242	27.668	299	33.881	356	40.094
72	8.940	129	15.351	186	21.564	243	27.777	300	33.990	357	40.203
73	9.060	130	15.460	187	21.673	244	27.886	301	34.099	358	40.312
74	9.180	131	15.569	188	21.782	245	27.995	302	34.208	359	40.421
75	9.300	132	15.678	189	21.891	246	28.104	303	34.317	360	40.530
76	9.420	133	15.787	190	22.000	247	28.213	304	34.426	361	40.639
77	9.540	134	15.896	191	22.109	248	28.322	305	34.535	362	40.748
78	9.660	135	16.005	192	22.218	249	28.431	306	34.644	363	40.857
79	9.780	136	16.114	193	22.327	250	28.540	307	34.753	364	40.966
80	9.900	137	16.223	194	22.436	251	28.649	308	34.862	365	41.075
81	10.020	138	16.332	195	22.545	252	28.758	309	34.971	366	41.184
82	10.140	139	16.441	196	22.654	253	28.867	310	35.080		
83	10.260	140	16.550	197	22.763	254	28.976	311	35.189		
84	10.380	141	16.659	198	22.872	255	29.085	312	35.298		

- (b) Special Fares - The FlexiPass periodical fare between Milsons Point or Macdonaldtown and a City Railway station shall be the distance fare for 5.00km.

By omitting TravelPass Tickets – Sydney Area Sub-Clause 71 (a) (ii) and inserting instead:

(ii) The Red TravelPass fares are:

Adult Weekly	\$29.00
Concession Weekly (as prescribed in Clause 65)	\$14.50
Adult Quarterly	\$319.00
Adult Yearly	\$1,160.00

By omitting TravelPass Tickets – Sydney Area Sub-Clause 71 (b) (ii) and inserting instead:

(ii) The Green TravelPass fares are:

Adult Weekly	37.00
Concession Weekly (as prescribed in Clause 65)	18.50
Adult Quarterly	407.00
Adult Yearly	1,480.00

By omitting TravelPass Tickets – Sydney Area Sub-Clause 71 (c) (ii) and inserting instead:

(ii) The Yellow TravelPass fares are:

Adult Weekly	41.00
Concession Weekly (as prescribed in Clause 65)	20.50
Adult Quarterly	451.00
Adult Yearly	1,640.00

By omitting TravelPass Tickets – Sydney Area Sub-Clause 71 (d) (ii) and inserting instead:

(ii) The Pink TravelPass fares are:

Adult Weekly	44.00
Concession Weekly (as prescribed in Clause 65)	22.00
Adult Quarterly	484.00
Adult Yearly	1760.00

By omitting TravelPass Tickets – Sydney Area Sub-Clause 71 (e) (ii) and inserting instead:

(ii) The Brown TravelPass fares are:

Adult Weekly	50.00
Concession Weekly (as prescribed in Clause 65)	25.00
Adult Quarterly	550.00
Adult Yearly	2000.00

By omitting TravelPass Tickets – Sydney Area Sub-Clause 71 (f) (ii) and inserting instead:

(ii) The Purple TravelPass fares are:

Adult Weekly	58.00
Concession Weekly (as prescribed in Clause 65)	29.00
Adult Quarterly	638.00
Adult Yearly	2,320.00

By omitting TravelPass Tickets – Newcastle Area Sub-Clause 72 (a) (iii) and inserting instead:

(iii) The Newcastle Yellow TravelPass fares are:

Adult Weekly	41.00
Concession Weekly (as prescribed in Clause 65)	20.50
Adult Quarterly	451.00
Adult Yearly	1640.00

By omitting TravelPass Tickets – Newcastle Area Sub-Clause 72 (b) (iii) and inserting instead:

(iii) The Newcastle Pink TravelPass fares are:

Adult Weekly	44.00
Concession Weekly (as prescribed in Clause 65)	22.00
Adult Quarterly	484.00
Adult Yearly	1760.00

The Common Seal of STATE RAIL AUTHORITY
OF NEW SOUTH WALES was hereunto affixed in
the presence of:

AUTHORISED OFFICER

DATE

TENDERS

Department of Public Works and Services

SUPPLIES AND SERVICES FOR THE PUBLIC SERVICE

TENDERS for the undermentioned Period Contracts, Supplies and Services, required for the use of the Public Service, will be received by the Department of Public Works and Services, Level 3, McKell Building, 2-24 Rawson Place, Sydney, N.S.W. 2000, up til 9.30 am on the dates shown below:

16 August 2001

S01/00030 (6015) RBG STREETSWEEPING SERVICES. DOCUMENTS: \$165.00 PER SET

22 August 2001

002/901c PHARMACEUTICALS-SUPPLEMENTARY TENDER 2. DOCUMENTS: \$110.00 PER SET

28 August 2001

984 CLEANING FOR GOV'T PRINTING SERVICE - DPWS. CATEGORY D. INSPECTION DATE & TIME: 17/08/2001 @ 11:00 AM SHARP. AREA: 776.48 SQ. METERS. DOCUMENTS: \$27.50 PER SET

01/7202 DRILLING OF PARTIALLY CORED DRILLHOLES AND A STRATIGRAPHIC BORE. DOCUMENTS: \$110.00 PER SET

29 August 2001

01/2778 DISCHARGE REFERRAL SYSTEM. DOCUMENTS: \$220.00 PER SET

30 August 2001

S01/00195 (21) CLEANING FOR THE COMMISSIONERS OF INQUIRY FOR ENVIRONMENT AND PLANNING. CATEGORY D. INSPECTION DATE & TIME: 22/08/2001 @ 10:30 AM SHARP. AREA: 520.3 SQ. METERS. DOCUMENTS: \$27.50 PER SET

4 September 2001

01/2765 EOI FOR A CUSTOMER DECISION TOOL FOR PERSONAL COMPUTERS. DOCUMENTS: \$220.00 PER SET

5 September 2001

014/7189 SCANNING DOCUMENTS FOR THE DEPARTMENT MINERAL RESOURCES. DOCUMENTS: \$110.00 PER SET

016/7190 ALUMINIUM V-HULL & HEAVY DUTY FLAT BOTTOM BOATS (INCLUDING TRAILERS). DOCUMENTS: \$110.00 PER SET

12 September 2001

012/7146 PROVISION OF MEDIA MONITORING SERVICES. DOCUMENTS: \$110.00 PER SET

016/7179 SPONSORSHIP SERVICES. DOCUMENTS: \$110.00 PER SET

19 September 2001

003/7112 SPECIAL FLUORESCENT LUMINAIRES. DOCUMENTS: \$110.00 PER SET

20 September 2001

016/7181 AERIAL LADDER PLATFORM VEHICLES. DOCUMENTS: \$110.00 PER SET

TENDER DOCUMENT FEE

Tender documents for inspection and purchase, and application forms for Expression of Interest are available at the address above. Where charges apply for tender documents, they are not refundable, cheques and credit cards (Bankcard, Mastercard and Visa) only are acceptable, payable to Department of Public Works and Services. NO CASH payments will be accepted. Documents can be Express Posted on request at an extra cost. Non attendance of mandatory site meetings will render tenders informal.

Further Information is available on the Internet: <http://www.dpws.nsw.gov.au/tenders>

Government Printing Service**Advertised for 1 week closing 27th August, 2001****Tender No. 21253**

TENDERS are invited on behalf of the Department of Education and Training – Program Support & Co-Ordination Multicultural Programs Unit for the film, printing and binding of Year 2002 Multicultural Calendar. Tender documents will be available the 20th August 2001 in the main foyer of the Government Printing Service. Job consists of 7 leaves (14pp) Plus a plain backing sheet 27,000 copies, Wiro bound. Delivery will be from the 12th November 2001 through to the 19th November 2001. Film and Proofs will be supplied to the winning contractor on the 12th October 2001. For further information contact David Brendish/Kim Cooper 9743 8777.



SOME OF OUR SERVICES:

- GRAPHIC DESIGN • DTP • OCR SCANNING
- DISK CONVERSION • 600 TYPEFACES
- DOCUTECH • PRE-PRESS PRODUCTION
- ELECTRONIC PUBLISHING • COLOUR COPYING
- PUBLISHING & PRINT PROJECT MANAGEMENT
- SHORT RUN PRINTING

Design, ARTWORK TYPESETTING, DOCUMENT CREATION, MANUALS, BOOKS, ANNUAL REPORTS, PROCEDURE MANUALS, TENDERS, etc, etc, etc.

The GPS has a creative team of highly trained and motivated members of staff dedicated solely to design and page layout. We can provide colour mock ups of concepts for your consideration before final artwork is produced. These can be delivered to you as digital proofs or, for your convenience, via your email address.

You'll be amazed at how we can make your word processing files come alive!

Some of our services include:

Design, page layout, disk and file conversion, scanning, proof reading, job file archiving, free job quoting, etc.

If you would like to speak to our staff about your next design/print project just telephone our Publishing Manager, Peter Kindleysides on 9743 8777.



A business unit of the
Department of Public
Works and Services

N.S.W. GOVERNMENT PRINTING SERVICE

Unit 5, Block V,
391 Park Road,
Regents Park 2143

Telephone: (02) 9743 8777

Fax: (02) 9743 8588

Email: gps-dtp@dpws.nsw.gov.au

www.gps.dpws.nsw.gov.au



NSW DEPARTMENT
OF PUBLIC WORKS
AND SERVICES

You can arrange to have a copy of the
NSW Government Gazette delivered
each week by telephoning Kerry Wain
on **9743 8777**

This space is now available for advertising

For further information please contact:

Peter Kindleysides or Denis Helm on:

Telephone: 9743 8777

Fax: 9743 8203

www.gps.dpws.nsw.gov.au

PRIVATE ADVERTISEMENTS

COUNCIL NOTICES

COONABARABRAN SHIRE COUNCIL

Roads Act 1993

Roads (General) Regulation 1994

Naming of Public Roads

IN accordance with the Roads (General) Regulation 1994 to the Roads Act 1993, Council resolved to rename the road formerly known as Oxley Road, off the Oxley Highway, "Wyuna Road". R. J. GERAGHTY, General Manager, Coonabarabran Shire Council, PO Box 191, Coonabarabran, NSW 2357. [0721]

EUROBODALLA SHIRE COUNCIL

Roads Act 1993, Section 10

Dedication of Land as Public Road

NOTICE is hereby given that Eurobodalla Shire Council, in pursuance of section 10 of the Roads Act 1993, dedicates the following Council-owned land as public road. J. F. LEVY, General Manager, Eurobodalla Shire Council, PO Box 99, Moruya, NSW 2537. (Reference No.: 91.2238.E and 01.5295.E).

SCHEDULE

Lot 1, Deposited Plan 1028915, Parish of Moruya, County of Dampier. Lot 2, Deposited Plan 1028915, Parish of Moruya, County of Dampier. [0706]

EVANS SHIRE COUNCIL

Roads Act 1993, Section 10

Dedication of Land as Public Road

IN accordance with the provisions of Part 2, section 10 of the Roads Act 1993, Council advises that the land described in the Schedule below is hereby dedicated as public road. G. TAYLOR, General Manager, Evans Shire Council, PO Box 703, Bathurst, NSW 2795.

SCHEDULE

Lot 1 in DP 866534, Rivulet Road, Peel. [0707]

FAIRFIELD CITY COUNCIL

Roads Act 1993

Notice under Clause 17 of the Roads Transport (Mass, Loading and Access) Regulation 1996

THE Fairfield City Council, in pursuance of Division 2 of Part 3 of the Road Transport (Mass, Loading, Access) Regulation 1996, by this Notice, specify the routes and areas on or in which B-Doubles may be used subject to any requirements or conditions set out in the Schedule. Dated 13th August, 2001. A. YOUNG, City Manager, Fairfield City Council, (by delegation from the Minister for Roads).

SCHEDULE

1. Citation

This Notice may be cited as the Fairfield City Council B-Double Notice No 1/2001.

2. Commencement

This Notice takes effect from the date of gazettal.

3. Effect

This Notice remains in force until 1st July, 2005 unless it is amended or repealed earlier.

4. Application

4.1 This Notice applies to B-Doubles which comply with Schedule 1 of the Road Transport (Mass, Loading and Access) Regulation 1996 and Schedule 4 of the Road Transport (Vehicle Registration) Regulation 1998.

5. Routes

19m B-Double routes where the Gross Mass exceeds 50 tonnes within the Fairfield City Council

Type	Road	Starting point	Finishing point	Conditions
19	Edensor Road	Cowpasture Road	Mobile Service Station west of Bonnyrigg Avenue	—— [0708]

MAITLAND CITY COUNCIL

ERRATUM

This notice appears to correct the notice published in the *Government Gazette* of 29th June, 2001.

Local Government Act 1993

Land Acquisition (Just Terms Compensation) Act 1991

Notice of Compulsory Acquisition of Land

THE Maitland City Council declares with the approval of His Excellency the Governor, that the land described in the Schedule below, excluding mines or deposits of minerals in the land, is acquired by compulsory process in accordance with the provisions of the Land Acquisition (Just Terms Compensation) Act 1991, for stormwater drainage purposes. Dated at Maitland, 4th June, 2001. D. EVANS, General Manager, Maitland City Council, PO Box 220, Maitland, NSW 2320.

SCHEDULE

Lot 150, DP 1027389. [0709]

PARRAMATTA CITY COUNCIL

Roads Act 1993

Light Traffic Thoroughfare – Bogalara and Burrabogee
Roads, Toongabbie

THE Council hereby advises that pursuant to Roads Act 1993 and in accordance with the authority delegated to it by the Roads and Traffic Authority of NSW, it proposes to impose a maximum load limit of three (3) tonnes on the entire length of Bogalara Road and the section of Burrabogee Road, Toongabbie (east of Binalong Road). It should be noted that this load limit does not apply to buses, or to commercial vehicles in excess of the limit: (a) wishing to gain access to properties in the road defined above; and (b) which must use the street and there being no other street to gain access to the desired street. A period of twenty-eight (28) days from the date of this notice is allowed for persons to lodge a written objection to the proposal to impose a load limit. Telephone enquiries should be directed to Council's Traffic Engineer on tel.: (02) 9806 5763. PARRAMATTA CITY COUNCIL, PO Box 32, Parramatta, NSW 2124. [0730]

DENILIQIN COUNCIL

Local Government Act 1993, Section 713

Sale of Land for Overdue Rates

NOTICE is hereby given to the persons named hereunder that the Council of Deniliquin has resolved in pursuance of section 713 of the Local Government Act 1993, to sell the land described hereunder of which the persons named appear to be the owners or in which they appear to have an interest and on which the amount of rates stated in each case, as at 31st August, 2001 are due.

<i>Owner or persons having interest in the land</i>	<i>Description of land</i>	<i>Amount of rates (including extra charges) overdue for more than five (5) years</i>	<i>Amount of all other rates (including extra charges) due in arrears</i>	<i>Total</i>
(a)	(b)	(c)	(d)	(e)
		\$	\$	\$
Estate M. H. MARTIN.	Lot B, DP 384914, 351 Jefferson Street, North Deniliquin.	—	7,818.10	7,818.10

In default of payment to the Council of the amount stated in Column (e) above and any other rates (including extra charges) becoming due and payable after publication of this notice, or an arrangement satisfactory to the Council for payment of all such rates being entered into by the rateable person, before the time fixed for the sale, the said land will be offered separately for sale by public auction at the Civic Centre, Civic Place, Deniliquin on Tuesday, 20th November, 2001 at 10.00 a.m. D. G. CAREY, General Manager, Deniliquin Council, Civic Centre, Civic Place, Deniliquin, NSW 2710. [0711]

ESTATE NOTICES

NOTICE of intended distribution of estate.—Any person having any claim upon the estate of THELMA MAY LOUTTIT, late of 4 Allenby Street, Canley Heights, in the State of New South Wales, retired, who died on 22nd April, 2001, must send particulars of his claim to the executor, Graeme Sandersan, c.o. J. P. Gould, Solicitors, Commonwealth Bank Chambers, 2/268 Canley Vale Road, Canley Heights, within one (1) calendar month from publication of this notice. After that time the executor may distribute the assets of the estate having regard only to the claims of which at the time of distribution he has notice. Probate was granted in New South Wales on 1st August, 2001. J. P. GOULD, Solicitors, Commonwealth Bank Chambers, 2/268 Canley Vale Road, Canley Heights, NSW 2166 (DX 25110, Fairfield), tel.: (02) 9727 2888.

[0712]

NOTICE of intended distribution of estate.—Any person having any claim upon the estate of MARJORIE THELMA BRENNAN, late of 12 Winton Street, Warrawee, in the State of New South Wales, widow, who died on 13th March, 2001, must send particulars of his claim to the executors, John William Francis Brennan and James Clive Brennan, c.o. Watts McCray, Lawyers, Level 15, 370 Pitt Street, Sydney, within one (1) calendar month from publication of this notice. After that time the executors may distribute the assets of the estate having regard only to the claims of which at the time of distribution they have notice. Probate was granted in New South Wales on 4th July, 2001. WATTS MCCRAY, Lawyers, Level 15, 370 Pitt Street, Sydney, NSW 2000 (DX 11517, Sydney Downtown), tel.: (02) 9283 5877.

[0713]

NOTICE of intended distribution of estate.—Any person having any claim upon the estate of GLADYS KATHLEEN BROWN, late of Shaw House, 230 Dunmore Street, Pendle Hill, in the State of New South Wales, widow, who died on 2nd May, 2001, must send particulars of his claim to the executor, Christopher Paul Maley, c.o. Maclarens, Solicitors, 232 Merrylands Road, Merrylands, within one (1) calendar month from publication of this notice. After that time the executor may distribute the assets of the estate having regard only to the claims of which at the time of distribution he has notice. Probate was granted in New South Wales on 2nd August, 2001. MACLARENS, Solicitors, 232 Merrylands Road, Merrylands, NSW 2160 (DX 25406, Merrylands), tel.: (02) 9682 3777.

[0714]

NOTICE of intended distribution of estate.—Any person having any claim upon the estate of RADULE SAKIC, late of 37/76-80 McBurney Road, Cabramatta, in the State of New South Wales, electrician, who died on 27th October, 1995, must send particulars of his claim to the administratrix, Branka Sakic, c.o. Doherty Partners, Solicitors, Level 1, 171 Bigge Street, Liverpool, within one (1) calendar month from publication of this notice. After that time the administratrix may distribute the assets of the estate having regard only to the claims of which at the time of distribution she has notice. Letters of Administration were granted in New South Wales on 26th July, 2001. DOHERTY PARTNERS, Solicitors, Level 1, 171 Bigge Street, Liverpool, NSW 2170 (DX 5034, Liverpool), tel.: (02) 9601 7300.

[0715]

NOTICE of intended distribution of estate.—Any person having any claim upon the estate of MARIA POSPISIL, late of Blacktown, in the State of New South Wales, who died on 30 April 2001, must send particulars of his claim to the executors, Paul Pospischil and Josef Pospischil, c.o. Cutri & Associates, Suite 20, 4 Station Street, Fairfield, within one (1) calendar month from publication of this notice. After that time the executors may distribute the assets of the estate having regard only to the claims of which at the time of distribution they have notice. Probate was granted in New South Wales on 13 August, 2001. CUTRI & ASSOCIATES, Solicitors for the Executors, Suite 20, 4 Station Street, Fairfield NSW 2165 (DX 25107, Fairfield), tel.: (02) 9728 3333.

[0710]

COMPANY NOTICES

NOTICE of final meeting of members.—HUGH MITCHELL INVESTMENTS PTY LIMITED (In liquidation), ACN 002 419 801.—Notice is hereby given that pursuant to section 509 of the Corporations Law, the final meeting of members of the abovementioned company will be held at the offices of Roberts and Morrow of 137 Beardy Street, Armidale on 21st September, 2001 at 2.00 p.m. for the purpose of laying before the meeting the liquidator's final accounts and report and giving any explanation thereof. Dated 7th August, 2001. A. MAURER, c.o. Roberts & Morrow, Chartered Accountants, 137 Beardy Street, Armidale, NSW 2350, tel.: (02) 6774 8400.

[0716]

NOTICE of final meeting of members.—MADGWICK DRIVE INVESTMENTS PTY LIMITED (In liquidation), ACN 003 568 134.—Notice is hereby given that pursuant to section 509 of the Corporations Law, the final meeting of members of the abovementioned company will be held at the offices of Roberts and Morrow of 137 Beardy Street, Armidale on 21st September, 2001 at 2.00 p.m. for the purpose of laying before the meeting the liquidator's final accounts and report and giving any explanation thereof. Dated 7th August, 2001. A. MAURER, c.o. Roberts & Morrow, Chartered Accountants, 137 Beardy Street, Armidale, NSW 2350, tel.: (02) 6774 8400.

[0717]

NOTICE of members' voluntary winding up.—BENNETT'S RADIO PTY LIMITED (In liquidation), ACN 000 167 662.—Notice is hereby given that in accordance with section 495 of the Corporations Law at an extraordinary general meeting of the abovenamed company held at 10 Parkwood Grove, Emu Heights, New South Wales, Australia on 25th July, 2001 the following was passed as a special resolution: "That the company be wound up voluntarily and that Keith Lindsay Hope, Chartered Accountant of Level 1, 34 Slade Road, Bardwell Park, New South Wales, Australia be appointed liquidator for the purpose of winding up". Dated 25th July, 2001. K. L. HOPE, Chartered Accountant, Level 1, 34 Slade Road, Bardwell Park, NSW 2207, tel.: (02) 9597 2511.

[0718]

NOTICE of members' voluntary winding up.—HORACE WHITE HOLDINGS PTY LIMITED (In liquidation), ACN 001 393 826.—At a general meeting of the abovenamed company duly convened and held at "Stonebrook", Cowra, NSW 2794 on 13th August, 2001 the following special resolution was passed: "That the company be

wound up as a members' voluntary liquidation and that the assets of the company be distributed in whole or part to the members in specie should the liquidator so desire". Dated 14th August, 2001. W. M. MURPHY, Chartered Accountant, 103 Kendal Street, Cowra, NSW 2794, tel.: (02) 6342 1311. [0719]

NOTICE of voluntary liquidation pursuant to section 491 (2) of the Corporations Law.—J. A. & J. M. MARTIN PTY LIMITED (In liquidation), ACN 001 096 377.—At a general meeting of the abovenamed company duly convened and held at 29 George Street, Berry, New South Wales on 7th August, 2001 the following special resolution was passed: "That the company be wound up as a members' voluntary liquidation and that the assets of the company be distributed in whole or in part to the members in specie should the liquidator so desire". Dated 17th August, 2001. A. J. ADAM, Liquidator, c.o. Arthur B. Booth & Co., Public Accountants, 52 Osborne Street, Nowra, NSW 2541, tel.: (02) 4421 4344. [0720]

NOTICE of members' voluntary liquidation.—SYDSAY PTY LIMITED (In liquidation), ACN 003 773 215.—Notice is hereby given that at an extraordinary general meeting of the abovenamed company held on 10th August, 2001 the following special resolution was duly passed: "That the company be wound up voluntarily". On the same day pursuant to section 495 (1), Shirley Ann Maurer of Roberts & Morrow, Chartered Accountants, 137 Beardy Street, Armidale was appointed as liquidator. Dated 10th August, 2001. S. A. MAURER, Liquidator, c.o. Roberts & Morrow, Chartered Accountants, 137 Beardy Street, Armidale, NSW 2350, tel.: (02) 6774 8400. [0722]

NOTICE of members' voluntary liquidation.—SYDSALE PTY LIMITED (In liquidation), ACN 003 773 233.—Notice is hereby given that at an extraordinary general meeting of the abovenamed company held on 10th August, 2001 the following special resolution was duly passed: "That the company be wound up voluntarily". On the same day pursuant to section 495 (1), Shirley Ann Maurer of Roberts & Morrow, Chartered Accountants, 137 Beardy Street, Armidale was appointed as liquidator. Dated 10th August, 2001. S. A. MAURER, Liquidator, c.o. Roberts & Morrow, Chartered Accountants, 137 Beardy Street, Armidale, NSW 2350, tel.: (02) 6774 8400. [0723]

NOTICE of members' voluntary liquidation.—SYDROLL PTY LIMITED (In liquidation), ACN 003 773 260.—Notice is hereby given that at an extraordinary general meeting of the abovenamed company held on 10th August, 2001 the following special resolution was duly passed: "That the company be wound up voluntarily". On the same day pursuant to section 495 (1), Shirley Ann Maurer of Roberts & Morrow, Chartered Accountants, 137 Beardy Street, Armidale was appointed as liquidator. Dated 10th August, 2001. S. A. MAURER, Liquidator, c.o. Roberts & Morrow, Chartered Accountants, 137 Beardy Street, Armidale, NSW 2350, tel.: (02) 6774 8400. [0724]

NOTICE of members' voluntary liquidation.—SYDROSE PTY LIMITED (In liquidation), ACN 003 773 251.—Notice is hereby given that at an extraordinary general meeting

of the abovenamed company held on 10th August, 2001 the following special resolution was duly passed: "That the company be wound up voluntarily". On the same day pursuant to section 495 (1), Shirley Ann Maurer of Roberts & Morrow, Chartered Accountants, 137 Beardy Street, Armidale was appointed as liquidator. Dated 10th August, 2001. S. A. MAURER, Liquidator, c.o. Roberts & Morrow, Chartered Accountants, 137 Beardy Street, Armidale, NSW 2350, tel.: (02) 6774 8400. [0725]

NOTICE of members' voluntary liquidation.—SYDSAVE PTY LIMITED (In liquidation), ACN 003 773 224.—Notice is hereby given that at an extraordinary general meeting of the abovenamed company held on 10th August, 2001 the following special resolution was duly passed: "That the company be wound up voluntarily". On the same day pursuant to section 495 (1), Shirley Ann Maurer of Roberts & Morrow, Chartered Accountants, 137 Beardy Street, Armidale was appointed as liquidator. Dated 10th August, 2001. S. A. MAURER, Liquidator, c.o. Roberts & Morrow, Chartered Accountants, 137 Beardy Street, Armidale, NSW 2350, tel.: (02) 6774 8400. [0726]

NOTICE of members' voluntary liquidation.—SYDRULE PTY LIMITED (In liquidation), ACN 003 773 242.—Notice is hereby given that at an extraordinary general meeting of the abovenamed company held on 10th August, 2001 the following special resolution was duly passed: "That the company be wound up voluntarily". On the same day pursuant to section 495 (1), Shirley Ann Maurer of Roberts & Morrow, Chartered Accountants, 137 Beardy Street, Armidale was appointed as liquidator. Dated 10th August, 2001. S. A. MAURER, Liquidator, c.o. Roberts & Morrow, Chartered Accountants, 137 Beardy Street, Armidale, NSW 2350, tel.: (02) 6774 8400. [0727]

NOTICE of members' voluntary liquidation.—LYNDHURST (ARMIDALE) PTY LIMITED (In liquidation), ACN 000 498 082.—Notice is hereby given that at an extraordinary general meeting of the abovenamed company held on 10th August, 2001 the following special resolution was duly passed: "That the company be wound up voluntarily". On the same day pursuant to section 495 (1), Shirley Ann Maurer of Roberts & Morrow, Chartered Accountants, 137 Beardy Street, Armidale was appointed as liquidator. Dated 10th August, 2001. S. A. MAURER, Liquidator, c.o. Roberts & Morrow, Chartered Accountants, 137 Beardy Street, Armidale, NSW 2350, tel.: (02) 6774 8400. [0728]

NOTICE of members' voluntary liquidation.—HAZELGREEN PTY LIMITED (In liquidation), ACN 000 792 361.—Notice is hereby given that at an extraordinary general meeting of the abovenamed company held on 10th August, 2001 the following special resolution was duly passed: "That the company be wound up voluntarily". On the same day pursuant to section 495 (1), Shirley Ann Maurer of Roberts & Morrow, Chartered Accountants, 137 Beardy Street, Armidale was appointed as liquidator. Dated 10th August, 2001. S. A. MAURER, Liquidator, c.o. Roberts & Morrow, Chartered Accountants, 137 Beardy Street, Armidale, NSW 2350, tel.: (02) 6774 8400. [0729]



Government Gazette

OF THE STATE OF
NEW SOUTH WALES

Number 128

Friday, 17 August 2001

Published under authority by the Government Printing Service

PUBLIC SECTOR NOTICES

CHIEF EXECUTIVE SERVICE APPOINTMENT UNDER SECTION 10A

HER Excellency the Governor and the Executive Council in pursuance of the provisions of section 10A of the Public Sector Management Act 1988, has approved that the following officer be appointed to the chief executive service position shown, effective from the date shown within the brackets:

State Emergency Service

Philip McNAMARA, Director-General [27 August 2001].

APPOINTMENT ON PROBATION

HER Excellency the Governor, with the advice of the Executive Council, pursuant to the provisions of section 28 of the Public Sector Management Act 1988, and upon recommendation of the appropriate Department Head, has approved the appointment on probation of the following, with effect from the date shown:

NSW Department of Education and Training

Dermot ROBERTS, Clerk, Grade 7/8 [30 April 2001].
Julee BRIENEN, Public Relations Officer, Level 1 [19 April 2001].
Leanne BROWNE, Clerical Officer, Grade 1/2 [1 May 2001].
Tulsi VAN DE GRAAFF, Clerk, Grade 7/8 [2 May 2001].
Roger BOLT, Community Liaison Officer [7 May 2001].
Bruce McLEAN, Clerk, Grade 7/8 [7 May 2001].
Marie GILBERT, Clerical Officer, Grade 3/4 [14 May 2001].
Amratlal CHAUHAN, Clerical Officer, Grade 1/2 [14 May 2001].
Alan BLACKBURN, Clerk, Grade 1/4 [16 May 2001].
Gina PERKS, Clerk, Grade 7/8 [21 May 2001].
Stephen McKENNA, Clerk, Grade 3/4 [21 May 2001].
Nicole BARROTT, Clerk, Grade 1/2 [28 May 2001].
Duran ACIKGOZ, Clerk, Grade 9/10 [4 June 2001].
Keith HALL, Clerk, Grade 7/8 [12 June 2001].

Rebecca WOODERSON, Clerical Officer, Grade 3/4 [12 June 2001].

Lynne BLANCH, Clerk, Grade 11/12 [18 June 2001].

Melisa LANDICHO, Clerical Officer, Grade 3/4 [18 June 2001].

CONFIRMATION OF APPOINTMENTS

HER Excellency the Governor, with the advice of the Executive Council and upon recommendation of the Department Head, has approved the confirmation of appointments in pursuance of section 29 of the Public Sector Management Act 1988, of the following:

Department of Fair Trading

Morgan MORRIS; Lewis Chapman THURLBY; Peter Matthew KING; Stephen HARDY; Emma-Jane FLETCHER-KOLIC.

NSW Department of Education

Liway JOHNSON; Amalea MANIFIS.

RESIGNATION

THE Department Head of the respective Departments listed below has accepted the following resignations from the Public Service, pursuant to the Public Sector Management Act 1988 and the last day of service being indicated within brackets:

Department of Corrective Services

Roderick WOODS, Senior Correctional Officer [2 April 2001].
Peggy MOORE, Senior Correctional Officer [3 April 2001].
Linda HASN, Clerk, Grade 3/4 [6 April 2001].
Trent KINER, Correctional Officer [7 April 2001].
Najjia HADZIC, Transitional Centre Worker [22 April 2001].
Rodney CROUCHER, Correctional Officer [24 April 2001].
Jacquelin FEATHERSTONE, Psychologist [26 April 2001].

Jose EUSEBIO, Senior Correctional Officer [27 April 2001].
Francis SUTTON, Correctional Officer [2 May 2001].
Kevin PARNELL, Correctional Officer [2 May 2001].
Rachel MILES, Clerk, Grade 2/3 [2 May 2001].
Douglas CLARKSON, Correctional Officer [2 May 2001].
Elizabeth OLSON, Clerical Officer, Grade 1/2 [2 May 2001].
Dennis LEWIS, Correctional Officer [29 May 2001].
Jennifer VANDERVELDEN, Welfare Officer [31 May 2001].
Maxwell POTTER, Correctional Officer [6 June 2001].
Emelita WOODLEY, Clerk, Grade 3/4 [8 June 2001].
Karen WALSH, District Manager, Level 3 [9 June 2001].
Joy WOODS, Education Officer [12 June 2001].
Charles BAILEY, Senior Correctional Officer [13 June 2001].
Terrence WHYTE, Senior Correctional Officer [13 June 2001].
Desirae CHANDLER, Clerical Officer, Grade 3 [16 June 2001].
Isaac GORDON, Overseer [22 June 2001].
Grantley CREIGHTON, Correctional Officer [29 June 2001].
Maurice DENHAM, Welfare Officer [29 June 2001].
Kenneth OSMOND, Senior Overseer [30 June 2001].

Environment Protection Authority

John Alexander THOMPSON, Chemical Technologist
[27 July 2001].
Joy Patricia VAN DER POORTERN, Community
Involvement Officer [19 July 2001].
Timothy James VINE, Beachwatch Field Officer [6 July 2001].

Office of the Ombudsman

Joanne RAINFORD, Investigation Officer, Clerk, Grade 7/8,
A & C [14 August 2001].

RETIREMENT

THE following retirement from the Public Service is hereby notified, pursuant to section 36 of the Public Sector Management Act 1988, under which the retirement was effected and/or the last day of service being indicated within brackets:

Environment Protection Authority

Donald Clive AVERY, Air Quality Monitoring Officer
[27 July 2001].

APPOINTMENTS

HER Excellency the Governor, with the advice of the Executive Council and upon the recommendation of the appropriate Department Head, in pursuance of the provisions of section 25 of the Public Sector Management Act 1988, has approved on the following appointments set out in the Schedule hereunder.

<i>Administrative Unit</i>	<i>Position</i>	<i>Appointed Officer</i>		
		<i>Name</i>	<i>Administrative Unit</i>	<i>Present Position</i>
Dept of Education and Training	Admin Support Officer, Clerical Officer, Grade 3/4, TAFE Educational Services	OAKES, Venesser	Board of Studies	Clerk, Grade 5/6
	Support Officer, Clerk, Grade 3/4, Information Technology	DE WET, Priscilla	Department of Education and Training	Clerical Officer, Grade 3/4
	Properties Clerk, Clerk, Grade 3/4, Properties	ZEAL, Wayne		Clerk, Grade 1/2
	Support Officer, Clerical Officer, Grade 3/4, Personnel	COURT, Pauline		Clerical Officer, Grade 1/2
	Executive Assistant to the Director, Clerical Officer, Grade 5/6, VET in Schools	KNOWLES, Theresa		Clerical Officer, Grade 3/4
	Application and Operational Support Officer, Clerk, Grade 5/6, TAFE Educational Services	MILLER, Kevin		Clerk, Grade 3/4
	Project Management Clerk, Clerk, Grade 3/4, State Training Services	SLATTERY, Dulcie		Clerical Officer, Grade 1/2
	Executive Assistant to Director Disability Programs, Clerical Officer, Grade 5/6, Student Services and Equity	CARSON, Avelina		Clerical Officer, Grade 1/2
	Course Information Officer, Clerk, Grade 1/2, Business Development	NAGY, Larry	OTEN	Clerical Officer, Grade 1/2
	Chief Staffing Officer, Clerk, Grade 9/10, Personnel	PICONE, Annette	Sydney Institute	Clerk, Grade 5/6
	Executive Assistant, Clerical Officer, Grade 5/6, Strategic Information and Planning	LU, Fang (Lucy)	Legal Aid Commission	Clerical Officer, Grade 3/4
	Manager, Planning and Reporting, Clerk, Grade 11/12	DUNCAN, Julie	NSW TAFE Commission	CEO/TAFE
	Claims Manager, Workers Compensation, Clerk, Grade 5/6, Personnel	ZHANG, Cherry (Jun Xia)	Department of Education and Training	Clerk, Grade 1/2

APPOINTMENTS — *continued*

Administrative Unit	Position	Appointed Officer		
		Name	Administrative Unit	Present Position
Dept of Education and Training	Team Leader, Workers Compensation, Clerk, Grade 7/8, Personnel	SUNDERAJ, Padmini	Department of Industrial Relations	Clerk, Grade 3/4
	Senior OHS Systems Officer, Clerk, Grade 7/8, Personnel	CLEMENT, Marina	Department of Education and Training	Clerk, Grade 5/6 (temp appt)
	Claims Manager, Injury Management, Clerk, Grade 5/6, Personnel	PERFREMENT, Lea	Department of Fair Trading	Clerk, Grade 3/4
	Claims Manager, Workers Compensation, Clerk, Grade 5/6, Personnel	MALIN, Leila	Department of Housing	Clerk, Grade 3/4
	Team Leader, Injury Management, Clerk, Grade 7/8, Personnel	HARRIS, Bettina	Department of Education and Training	Clerk, Grade 3/4
	Claims Manager, Workers Compensation, Clerk, Grade 5/6, Personnel	ENGLISH, Gregory		Clerk, Grade 5/6
	Finance Officer, Clerk, Grade 5/6, Finance	FRAZER, Glen		Clerk, Grade 5/6
	Administrative Assistant, Clerical Officer, Grade 3/4, State Training Services	TASEVSKA, Ljubica		Clerical Officer, Grade 1/2
	Claims Manager, Workers Compensation, Clerk, Grade 5/6, Personnel	MANOHARAN, Antonietta	Department of Fair Trading	Clerk, Grade 4
	Claims Manager, Workers Compensation, Clerk, Grade 5/6, Personnel	ROBERTS, John	Community Relations Commission	Clerk, Grade 3/4
	Protocol and Ministerial Corr Clerk, Clerk, Grade 7/8, Properties	HALL, Anthony	Office of the Governor, Premiers Department	Clerical Officer, Grade 4/5
	Assistant Manager, Injury Prevention, Clerk, Grade 9/10, Personnel	McGRATH, David	Department of Education and Training	Clerk, Grade 7/8
	Claims Manager, Workers Compensation, Clerk, Grade 5/6, Personnel	MORVAN, Jean-Marc		Clerk, Grade 3/4
	OHS Systems Officer, Clerk, Grade 3/4, Personnel	LORTAN, Clint		Clerk, Grade 1
	Executive Assistant, Clerical Officer, Grade 5/6, Finance	BALNAVE, Rhonda		Clerical Officer, Grade 3/4

APPOINTMENTS — *continued*

<i>Administrative Unit</i>	<i>Position</i>	<i>Appointed Officer</i>		
		<i>Name</i>	<i>Administrative Unit</i>	<i>Present Position</i>
Motor Accidents Authority	Principal Media Officer, Clerk, Grade 11/12	WEBB, Nathaniel Edward	Department of Education and Training	Media Liaison Officer
Office of the Board of Studies	Senior Administrative Officer, Clerk, Grade 7/8, Corporate Operations, Administration Branch	TSIPIDIS, Lambrini	Office of the Board of Studies	Administrative Officer, Clerk, Grade 5/6
	Book Editor, Assistant Editor, Information Services Branch	WILLIAMS, Cheryl		Administrative Officer, Clerk, Grade 3/4

BOB CARR,
Premier.

ISSN 0155-6320

Authorised to be printed
R. J. MILLIGAN, Government Printer.



PROJECT MANAGERS OF:

- BOOKS • PADS • CONTINUOUS FORMS
- CHEQUES • PROMOTIONAL MATERIAL
- LEAFLETS • CATALOGUES • POSTERS
- SECURITY DOCUMENTS • POSTERS
- BANNERS • DECALS • STATIONERY
- CARTONS • EDUCATIONAL MATERIAL
- MANUALS • SPECIALTY FORMS • BINDERS
- PRINTED GARMENTS • ENVELOPES
- CD/VIDEO DUPLICATION • PACKAGING

HOW DO I SELECT THE **RIGHT PRINTER** FOR THIS VERY SPECIAL JOB?

Probably with great difficulty!

At the Government Printing Service our Contracting Department has over 200 accredited contractors on our database.

Not all printers specialise in everything you require.

At the GPS our highly qualified contracting team will write your specifications, call for relevant estimates or tenders from suitable contractors, evaluate all responses and make a recommendation to you on who to use.

We project manage the whole exercise from initial concept through to finished product, consolidate costs and relieve you of all the problems along the way.

Our Contracts Department are your dedicated buffer between you and the most suitable contractors. No job is too small and no job is too complex.

For further information call our Sales Manager, Geoff Hawes or our Contracts Manager, Phil Dobson on 9743 8777.



N.S.W. GOVERNMENT PRINTING SERVICE

Unit 5, Block V,
391 Park Road,
Regents Park 2143
Telephone: (02) 9743 8777
Fax: (02) 9743 8588
Email: gps.printservices@dpws.nsw.gov.au
www.gps.dpws.nsw.gov.au



NSW DEPARTMENT
OF PUBLIC WORKS
AND SERVICES