

Disclaimer: This statement is based on information supplied by a third party public authority. The accuracy of this information has not been verified by Kogarah City Council and if the information is vital for the proposed end use, then it should be verified by the applicant.

15. Orders Under Tree (Disputes Between Neighbours) Act 2006

Whether an order has been made under the *Trees (Disputes Between Neighbours) Act 2006* to carry out work in relation to a tree on the land (but only if the Council has been notified of the order)

No

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16. Directions Under Part 3A

Is there a direction by the Minister in force under Section 75P (2) (c1) of the Act that a provision of an environmental planning instrument prohibiting or restricting the carrying out of a project or a stage of a project on the land under Part 4 of the Act does not have effect, a statement to that effect identifying the provision that does not have effect?

No

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17. Site Compatibility Certificates and Conditions for Seniors Housing

- (a) Is there a valid site compatibility certificate (of which the Council is aware), issued under Clause 19 of *State Environmental Planning Policy (Infrastructure) 2007* in respect of proposed development on the land?

No

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- (b) Is the land subject to any restriction on occupation of seniors housing referred to in Clause 18(2) of the *State Environmental Planning Policy (Housing for Senior or People with a Disability) 2004* that have been imposed as a condition of consent to a development application granted after 11 October 2007 in respect of the land?

No

18. Site Compatibility Certificates for Infrastructure

Is there a valid site compatibility certificate (of which Council is aware), issued under Clause 19 of *State Environmental Planning Policy (Infrastructure) 2007* in respect of proposed development on the land?

No

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19. Site Compatibility Certificates and Conditions for Affordable Rental Housing

Is there a valid site compatibility certificate (of which Council is aware), issued under Clause 17(1) or 37(1) of *State Environmental Planning Policy (Affordable Rental Housing) 2009* in respect of the proposed development on the land?

No

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The following matters are prescribed by section 59 (2) of the Contaminated Land Management Act 1997 as additional matters to be specified in a planning certificate:

- (a) Is the land to which the certificate relates is **significantly contaminated land** within the meaning of that Act? if the land (or part of the land) is significantly contaminated land at the date when the certificate is issued?

No

- (b) Is the land to which the certificate relates is **subject to a management order** within the meaning of that Act? if it is subject to such an order at the date when the certificate is issued?

No

- (c) Is the land to which the certificate relates is the **subject of an approved voluntary management proposal** within the meaning of that Act? if it is the subject of such an approved proposal at the date when the certificate is issued?

No

- (d) Is the land to which the certificate relates is **subject to an ongoing maintenance order** within the meaning of that Act? if it is subject to such an order at the date when the certificate is issued?

No

- (e) Is the land to which the certificate relates is the **subject of a site audit statement** within the meaning of that Act? if a copy of such a statement has been provided at any time to the local authority issuing the certificate?

No

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Section 149(5) Details

Note: Please note that Council provides this information in good faith, but pursuant to Section 149(6) of the *Environmental Planning and Assessment Act 1979*. Council does not accept any liability in respect of such advice. The absence of any reference to any matter affecting the land shall not imply that the land is not affected by any matter not referred to in this planning certificate.

1. State Heritage Register Items

Is the land listed on the State Heritage Register?

No

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2. National Trust Heritage Conservation Area

Is the land located within the National Trust Heritage Conservation Area?

No

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3. Adjacent to a Heritage Item

Is the land located adjacent to a heritage item?

No

4. Foreshore or Waterfront Scenic Protection Area

Is the land located within the foreshore or waterfront scenic protection area?

No

5. Foreshore Building Line

Is the land affected by the foreshore building line?

No

6. Greenweb Area

Is the land located within the existing habitat corridor and the habitat reinforcement corridor areas?

No

7. Threatened Species

Does the land contain threatened species under the determination made within the *Threatened Species Conservation Act 1995*?

No

8. Flooding

Is the land subject to flooding?

The land is located within the Beverley Park Catchment area. A Floodplain Management Study was prepared in December 2006 (Beverley Park Overland Flow Risk Management Study and Plan) and this study indicates that the subject property maybe subject to flooding. You are advised to contact Councils Catchments and Waterways Section on 9330 9400 for further information.

9. Public Reserve Encroachments

Is the land located adjacent to a public reserve?

No

Note: This is a general statement which applies to all lands adjacent to a public reserve.

10. Stormwater Drains

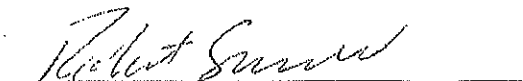
Is the land affected by a stormwater drain?

No

11. Demolition of Buildings

If the building/s on the subject property were constructed prior to 1987 an asbestos survey prepared by a suitably qualified and experienced professional may be required for certain works, including demolition. For more information refer to the Council's Asbestos Policy.

per



Paul Woods
General Manager



KOGARAH CITY COUNCIL - PLANNING CERTIFICATE
under Section 149 of the
Environmental Planning and Assessment Act 1979.

CIVIC CENTRE, Locked Bag 8, Kogarah, NSW 2217, DX 11118

E I S
PO Box 976
NORTH RYDE BC NSW 1670

Certificate Number: 47261
Certificate Date: 11/10/2011
Receipt Number: 1072053
Your Reference:

Property Description

Owners: St George Hospital
Address: 30 Gray Street KOGARAH
Land Title: LOT: 2 /: C DP: 976627
Assessment #: 54489

Section 149(2) Details

In accordance with the requirements of section 149(2) of the *Environmental Planning and Assessment Act 1979* (as amended), the following prescribed matters relate to the land at the date of this certificate.

1. Names of Relevant Local Environmental Plans

- (a) The following local environmental plan applies to the land:

Kogarah Local Environmental Plan 1998 gazetted on 02/10/1998 and as amended.

Note: Kogarah Local Environmental Plan 1998 contains Council's Tree Preservation Order that applies to all land in the Kogarah Local Government area.

- (b) The identity of the zone, whether by reference to a name (such as "Residential Zone" or "Heritage Zone") or by reference to a number (such as "Zone No 2(a)");

Special Uses 5(a) - Special uses (General) Zone

Note: While this certificate indicates the zoning of the land, it is suggested the relevant Planning Instrument be inspected at Council's Customer Service Centre (84 Railway Parade, Kogarah) to provide an overall view of the area.

- (c) The purposes for which the plan or instrument provides that development may be carried out within the zone without the need for development consent:

bushfire hazard reduction; drainage; roads; exempt development.

- (d) The purposes for which the plan or instrument provides that development may not be carried out within the zone except with development consent:

centre based child care services; community facilities; concerts, fetes, markets, sporting events or other recreational land uses; educational establishments; housing for older people or people with a disability; places of worship; public buildings; public parking; public utility installations; the particular land use indicated by red lettering on the land use map and land uses ordinarily incidental or ancillary to that land use.

- (e) The purposes for which the plan or instrument provides that development is prohibited within the zone:

Any other development is prohibited.

- (f) Is there any development standards applying to the land fix minimum land dimensions for the erection of a dwelling-house on the land and, if so, the minimum land dimensions so fixed?

No

- (g) Does the land include or comprise critical habitat?

No

- (h) Is the land located within a heritage conservation area under the provisions of the local environmental plan applying to the land?

No

- (i) Is there a heritage item situated on the land under the provisions of the local environmental plan applying to the land?

No

Note: This advice does not cover items listed on the State Heritage Register, which are listed by NSW Heritage Office and may be found at <http://www.heritage.nsw.gov.au>

2. Names of Relevant Exhibited Draft Environmental Planning Instruments

There are no relevant exhibited draft environmental planning instruments applying to the land.

3. Names of Relevant Development Control Plans

DCP for Accommodation for Older People and People with a Disability
DCP No. 20 - Advertising of Development Applications and Neighbour Notification
DCP No. 26 - Exempt and Complying Development
DCP No. 35 - Telecommunications and Radiocommunications
DCP No. 11 - Centre Based Child Care Services

DCP No. 28 - Rainwater Tanks
DCP for Advertising and Signage
DCP No. 5 - Kogarah Town Centre
Swimming Pool Code

4. Names of Relevant State Environmental Planning Instruments

Below is a list of all State Environmental Planning Policies (including publicised draft policies) that apply to the Kogarah City Council. Depending on circumstances set down in each policy, the policy may be specifically applicable to the land that is the subject of this certificate. You are advised to peruse the policy for the necessary details.

Any enquiries regarding these State policies should be directed to the Department of Planning on:

(02) 9228 6333 or <http://www.planning.nsw.gov.au>

SEPP No. 1 Development Standards
SEPP No. 4 Development Without Consent and Miscellaneous Exempt and Complying Development
SEPP No. 6 Number of Storeys in a Building
SEPP No. 10 Retention of Low-Cost Rental Accommodation
SEPP No. 19 Bushland in Urban Areas
SEPP No. 21 Caravan Parks
SEPP No. 22 Shops and Commercial Premises
SEPP No. 32 Urban Consolidation (Redevelopment of Urban Land)
SEPP No. 33 Hazardous and Offensive Development
SEPP No. 50 Canal Estate Development
SEPP No. 55 Remediation of Land
SEPP No. 64 Advertising and Signage
SEPP No. 65 Design Quality of Residential Flat Development
SEPP (Housing for Seniors or People with a Disability) 2004
SEPP (Building Sustainability Index: BASIX) 2004
SEPP (Major Projects) 2005
SEPP (Mining, Petroleum Production and Extractive Industries) 2007
SEPP (Temporary Structures and Places of Public Entertainment) 2007
SEPP (Infrastructure) 2007
SEPP (Exempt and Complying Development Codes) 2008
SEPP (Exempt and Complying Development Codes) Amendment (Commercial and Industrial) 2009
SEPP (Affordable Rental Housing) 2009
Deemed SEPP (Georges River Catchment)

5. Complying Development Under the Provisions of State Environmental Planning Policy (Exempt and Complying Development Codes) 2008

The following information is provided in accordance with the requirements of Clause 3 of Schedule 4 of the Environmental Planning and Assessment Regulation (Complying

Development).

- (a) Is Complying Development under the provisions of the General Housing Code permitted on this land?

The General Housing Code does not apply as the land is not zoned for residential purposes.

- (b) Is Complying Development under the provisions of the Housing Alterations Code permitted on this land?

The Housing Alterations Code does not apply as the land is not within a zone permitted under the State Environmental Planning Policy (Exempt and Complying Development Codes) 2008.

- (c) Is Complying Development under the provisions of the General Development Code permitted on this land?

The General Development Code does not apply as the land is not within a zone permitted under the State Environmental Planning Policy (Exempt and Complying Development Codes) 2008.

- (d) Is Complying Development under the provisions of the General Commercial and Industrial Code permitted on this land?

The General Commercial and Industrial Code does not apply as the land is not within a zone permitted under the State Environmental Planning Policy (Exempt and Complying Development Codes) 2008.

- (e) Is Complying Development under the provisions of the Subdivisions Code permitted on this land?

The Subdivisions Code does not apply as the land is not within a zone permitted under the State Environmental Planning Policy (Exempt and Complying Development Codes) 2008.

- (f) Is Complying Development under the provisions of the Demolition Code permitted on this land?

The Demolition Code does not apply as the land is not within a zone permitted under the State Environmental Planning Policy (Exempt and Complying Development Codes) 2008.

Disclaimer: The above information only addresses matters raised in Clause 1.19 of State Environmental Planning Policy (Exempt and Complying Development Codes) 2008. It is your responsibility to ensure that you comply with any other general requirements of the State Environmental Planning Policy (Exempt and Complying Development Codes) 2008. Failure to comply with these provisions may mean that a Complying Development Certificate issued under the provisions of the State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 is invalid.

6. Coastal Protection

- (a) Has Council been notified by the Department of Public Works that the land is affected by the

operation of the *Coastal Protection Act 1979* ?

No

- (b) Has an order been made under Part 4D of the *Coastal Protection Act 1979* in relation to emergency coastal protection works on the land (or on public land adjacent to that land), except where Council is satisfied that such an order has been fully complied with?

No

- (c) Has Council been notified under Section 55X of the *Coastal Protection Act 1979* that emergency coastal protection works have been placed on the land (or on public land adjacent to that land)?

No

- (d) If emergency coastal protection works have been placed, is Council satisfied that the works have been removed and the land restored in accordance with that Act?

Council has not been notified of any emergency coastal protection works in place on this land.

- (e) Has the current or previous owner of the land consented to the land being subject to annual charges under section 496B of the *Local Government Act 1993* for coastal protection services that relate to existing coastal protection works (within the meaning of section 553 B of that Act)?

No

Note: "Existing coastal protection works" are works to reduce the impact of coastal hazards on land (such as seawalls, revetments, groynes and beach nourishment) that existed before the commencement of section 553b of the *Local Government Act 1993*.

Disclaimer: Words and expressions in this clause have the same meaning of those set out in the *Coastal Protection Act 1979*.

7. Mine Subsidence

Is the land proclaimed to be a mine subsidence district within the meaning of Section 15 of the *Mine Subsidence Compensation Act 1961* ?

No

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8. Road Widening and Road Realignment

- (a) Is the land affected by any road widening or road realignment under Division 2 of Part 3 of the *Roads Act 1993* ?

No

- (b) Is the land affected by any road widening or road realignment under any environmental planning instrument?

No

- (c) Is the land affected by any road widening or road realignment under any resolution of the Council?

No

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9. Council and other Public Authority Policies on Hazard Risk Restrictions

- (a) Is the land affected by a policy adopted by the Council?

**Water Management Policy 2006
Contaminated Land Policy 2009**

Note: The above documents can be downloaded on Kogarah City Council's website at <http://www.kogarah.nsw.gov.au>.

- (b) Is the land affected by a policy adopted by any other public authority and notified to the Council for the express purpose of its adoption by that authority being referred to in planning certificates issued by the Council, that restricts the development of the land because of the likelihood of land slip, bushfire, tidal inundation, subsidence, acid sulphate soils or any other risk (other than flooding)?

No

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10. Flood Related Development Controls Information

- (a) Is the development on that land or part of the land for the purposes of dwelling houses, dual occupancies, multi dwelling housing or residential flat buildings (not including development for the purpose of group homes or senior housing) is subject to flood related development controls?

No

- (b) Is the development on that land or part of the land for any other purpose is subject to flood related development controls?

The development of the land or part of the land for a purpose not referred to in Question 10(a) may be subject to flood related development controls. For more information please contact Councils Catchments & Waterways section on 9330 9400.

Disclaimer: Words and expressions in this clause have the same meanings as in the instrument set out in the Schedule to the *Standard Instrument (Local Environmental Plans) Order 2006*.

11. Land Reserved for Acquisition

Is there an environmental planning instrument or proposed environmental planning instrument applying to the land provides for the acquisition of the land by a public authority, as referred to in Section 27 of the Act?

No

12. Contribution Plans

The following contribution plans apply to the land:

Section 94 Contribution Plan No. 1 - Road and Traffic Management

Section 94 Contribution Plan No. 5 - Open Space

Section 94 Contributions Plan No. 8 - Kogarah Town Centre

Section 94 Contribution Plan No. 9 - Kogarah Libraries

13. Bush Fire Prone Land

Is the land to which this certificate relates bush fire prone land?

No

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14. Property Vegetation Plans

Is the land the subject of a property vegetation plan under the *Native Vegetation Act 2003*?

No

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15. Orders Under Tree (Disputes Between Neighbours) Act 2006

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Is there a valid site compatibility certificate (of which Council is aware), issued under Clause 17(1) or 37(1) of *State Environmental Planning Policy (Affordable Rental Housing) 2009* in respect of the proposed development on the land?

No

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No

- (b) Is the land to which the certificate relates is **subject to a management order** within the meaning of that Act? if it is subject to such an order at the date when the certificate is issued?

No

- (c) Is the land to which the certificate relates is the **subject of an approved voluntary management proposal** within the meaning of that Act? if it is the subject of such an approved proposal at the date when the certificate is issued?

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- (d) Is the land to which the certificate relates is **subject to an ongoing maintenance order** within the meaning of that Act? if it is subject to such an order at the date when the certificate is issued?

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- (e) Is the land to which the certificate relates is the **subject of a site audit statement** within the meaning of that Act? if a copy of such a statement has been provided at any time to the local authority issuing the certificate?

No

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Section 149(5) Details

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1. State Heritage Register Items

Is the land listed on the State Heritage Register?

No

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2. National Trust Heritage Conservation Area

Is the land located within the National Trust Heritage Conservation Area?

No

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3. Adjacent to a Heritage Item

Is the land located adjacent to a heritage item?

No

4. Foreshore or Waterfront Scenic Protection Area

Is the land located within the foreshore or waterfront scenic protection area?

No

5. Foreshore Building Line

Is the land affected by the foreshore building line?

No

6. Greenweb Area

Is the land located within the existing habitat corridor and the habitat reinforcement corridor areas?

No

7. Threatened Species

Does the land contain threatened species under the determination made within the *Threatened Species Conservation Act 1995* ?

No

8. Flooding

Is the land subject to flooding?

The land is located within the Beverley Park Catchment area. A Floodplain Management Study was prepared in December 2006 (Beverley Park Overland Flow Risk Management Study and Plan) and this study indicates that the subject property maybe subject to flooding. You are advised to contact Councils Catchments and Waterways Section on 9330 9400 for further information.

9. Public Reserve Encroachments

Is the land located adjacent to a public reserve?

No

Note: This is a general statement which applies to all lands adjacent to a public reserve.

10. Stormwater Drains

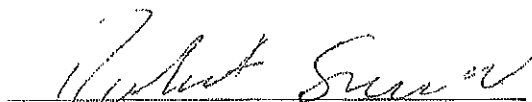
Is the land affected by a stormwater drain?

No

11. Demolition of Buildings

If the building/s on the subject property were constructed prior to 1987 an asbestos survey prepared by a suitably qualified and experienced professional may be required for certain works, including demolition. For more information refer to the Council's Asbestos Policy.

per



Paul Woods
General Manager

Privacy and Personal Information Protection Statement Application for a Certificate under s149 or s603 LGA.

Under the introduction of the Privacy and Personal Information Protection Act (PPIPA) 1998 which commenced on 1 July 2000 Council is required to adhere to the information protection principles which cover the collection, storage, use and disclosure of (and access to) personal information.

These principles do not apply to companies or businesses only to individuals.

The personal information filled out on Council forms must be made by the individual to whom the personal information relates unless authorisation has been obtained or the individual is under the age of 16.

1. The supply of personal information (ie.name, address and telephone number) is voluntary as it is not a legislative requirement.
2. The personal information Council is collecting is directly related to Kogarah Council's function of assessing s149 or s603 certificates.
3. The intended recipients of this information are Council Officers. Council Officers may use the information supplied for notification purposes associated with Council business.

Members of the public may also be able to obtain this information under:

- a) s12 (6) of the Local Government Act, in most cases, the public is allowed to inspect and take a copy of Council documents unless the documents are contrary to the public interest.
 - b) Freedom of Information (FOI) a member of the public may request this information and an assessment would be made whether the information is publicly available or not.
4. The applicant may make application to access or amend the information filled out on the form (i.e. update personal information).
 5. Council is the agency holding the information.
 6. Information will be disposed of in accordance with the State Records Act 1998 (General Disposal Schedule)

For further information regarding PPIPA please contact Manager Administration on 9330 9416 or Senior Governance Co-ordinator on 9330 9420.

IMPORTANT NOTE

Strata Titles

The information contained in Planning Certificates issued for a lot within Strata-Titled development relates to the land the development is situated on. For example, a planning certificate issued for Unit 6, 10 Wherever Street, Kogarah (Lot 6, SP 0000) contains the information about the land known as No. 10 Wherever Street, Kogarah.

General

From Tuesday 12 December 2000 all 149 Planning Certificates will be issued in accordance with the recent amendment to the Environmental Planning and Assessment Regulation 2000 (Schedule 4 Planning Certificates) and the Department of Urban Affairs and Planning's "Information Required for Planning Certificates" Environmental Planning and Assessment Act – Act and Regulation Note issued December 2000.

The amendment has changed the information provided on a 149(2) Planning Certificate.

As Council provides the property information required in accordance with the regulation on the 149(2) planning certificates, the following information will now be provided on 149(5) planning certificate as additional information:

- Located within a Waterfront or Foreshore Scenic Protection area.
- Properties identified as subject to flooding.
- Located within a National Trust Heritage Conservation area.
- Located within a Greenweb area.
- Properties that may contain Threatened Species.
- Properties that may be affected by stormwater drains.

Council encourages you to purchase a 149(5) certificate, which will let you know if the property is affected by any of the above.

For any further enquiries in relation to the above please contact Councils Customer Service Centre on 9330-9400.

Thankyou



(Site History Documents – WorkCover Records)



21 OCT 2011

WorkCover NSW
92-100 Donnison Street, Gosford, NSW 2250
Locked Bag 2906, Lisarow, NSW 2252
T 02 4321 5000 F 02 4325 4145
WorkCover Assistance Service 13 10 50
DX 731 Sydney workcover.nsw.gov.au

Our Ref: D11/131648
Your Ref: Brendan Page

20 October 2011

Attention: Brendan Page
Environmental Investigation Services
PO Box 976
North Ryde BC NSW 1670

Dear Mr Page,

RE SITE: St George Hospital 16 Kensington & 11 South Sts Kogarah NSW

I refer to your site search request received by WorkCover NSW on 11 October 2011 requesting information on licences to keep dangerous goods for the above site.

Enclosed are copies of the documents that WorkCover NSW holds on Dangerous Goods Licence 35/010367 relating to the storage of dangerous goods at the above-mentioned premises, as listed on the Stored Chemical Information Database (SCID).

If you have any further queries please contact the Dangerous Goods Licensing Team on (02) 4321 5500.

Yours Sincerely



Brent Jones
Senior Licensing Officer
Dangerous Goods Notification Team

NOTIFICATION OF DANGEROUS GOODS ON PREMISES FORM

CONTACT FOR NOTIFICATION INQUIRIES

Title: Mr / Miss / Ms / Mrs / Other (please specify) Mr Family name DOWER
 Given name GARY Other names _____
 Business phone 91132326 Business fax number 91133985
 Business email address GARY.DOWER@SESIAS.HS.HEALTH.NSW.GOV.AU

Previous Licence Number or Acknowledgement Number (if known)

35/010367

Previous Occupier (if known)

Site on which dangerous goods are to be kept

Number _____ Street GRAY ST

Suburb/Town/Locality

KOGARAH NSW

Postcode

2217

Nearest cross Street

KENSINGTON ST

Lot and DP if no street number

Is the site staffed? If yes state number of employees 3000

Site staffing: Hours per day 24 Days per week 7

Site Emergency Contact

Phone number (02) 91131111 Name MAIN SWITCHBOARD

Nature of site (eg petrol station, warehouse etc)

Nature of primary business activity

HOSPITAL & NURSING HOMES

ABN Number (if any)

96864573624
78390886131

Website details (if any)

What is the ANSZIC code most applicable to your business? (see guide for list of codes and further information)

Code 861 Description HOSPITAL AND NURSING HOMES

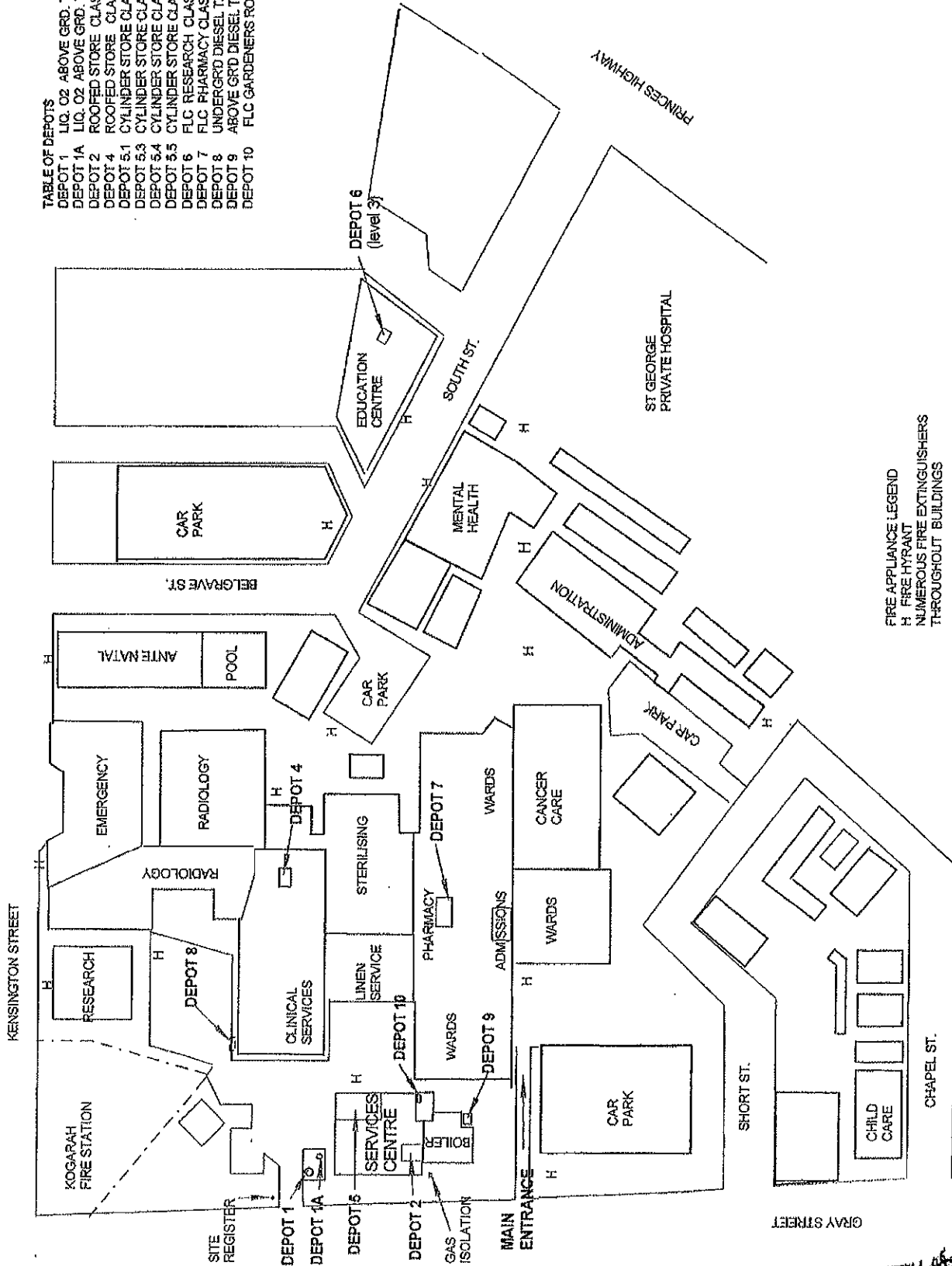
Attach a site sketch(s) of the premises. Refer to the Guide GDG01 for information on the requirements for the site sketch.

Attach a legible photocopy page from a local Street Directory or other map showing the locality of the premises. Mark the location of the premises with an X.



TABLE OF DEPOTS

DEPOT 1	LIQ. 02 ABOVE GRD. TANK 18,000 L
DEPOT 1A	LIQ. 02 ABOVE GRD. TANK 1,300 L
DEPOT 2	ROOFED STORE CLASS 3 1,000 L
DEPOT 4	ROOFED STORE CLASS 3 5,000 L
DEPOT 5.1	CYLINDER STORE CLASS 2.2
DEPOT 5.3	CYLINDER STORE CLASS 2.2
DEPOT 5.4	CYLINDER STORE CLASS 2.2
DEPOT 5.5	CYLINDER STORE CLASS 2.1
DEPOT 6	FLC RESEARCH CLASS 3 300 L
DEPOT 7	FLC PHARMACY CLASS 3 250 L
DEPOT 8	UNDERGRD DIESEL TANK 10,000 L
DEPOT 9	ABOVE GRD DIESEL TANK 5,000 L
DEPOT 10	FLC GARDENERS ROOM 250 L



FIRE APPLIANCE LEGEND
H FIRE HYDRANT
NUMEROUS FIRE EXTINGUISHERS
THROUGHOUT BUILDINGS
SEPARATION DISTANCES
DEPOT 1 TO DEPOT 5 10 M
DEPOT 2 TO DEPOT 5 15 M
DEPOT 4 TO DEPOT 5 50 M

Plan of Premises
Dangerous Goods
St George's Hospital
Gray St Kogarah 2217

All Areas Dangerous Goods Consultants
Drawing: SCS Date 2/10/08
Scale: NTS

1. BULK STORAGE

Tank ID No	Dangerous Goods					Tank	
	Name	Class	Sub Risk/s	UN No.	PG	Type	Capacity
DG Depot 1	Oxygen, Refrigerated Liquid	2.2	5.1	1073	n/a	Above ground	18,000 L
DG Depot 1A	Oxygen, Refrigerated Liquid	2.2	5.1	1073	n/a	Above ground	1,300 L
DG Depot UGPT	Diesel	C1	n/a	n/a	n/a	Under ground	10,000 L
DG Depot 2	Diesel	C1	n/a	n/a	n/a	Above ground	5,000 L

2. PACKAGE STORAGE AREAS

Packaged Dangerous Goods

Storage Location	Dangerous Goods					Quantity	
	Name	Class	Sub Risk/s	UN No.	PG	Average	Maximum
DG Depot 2	Ethanol	3	n/a	1170	II	100 L	500 L
	Turpentine Substitute	3	n/a	1300	III	100 L	500 L
DG Depot 4	Ethanol	3	n/a	1170	II	1,000 L	5,000 L
DG Depot 5	Air, Compressed	2.2	n/a	1002	n/a	200 M3	400 M3
	Nitrogen, compressed	2.2	n/a	1088	n/a	400 M3	600 M3
	Nitrous Oxide	2.2	5.1	1070	n/a	800 M3	1,000 M3
	Oxygen, compressed	2.2	5.1	1072	n/a	100 M3	200 M3
	Propane	2.1	n/a	1978	n/a	20 Kg	90 Kg
DG Depot 6	Ethanol	3	n/a	1170	II	200 L	300 L
DG Depot 7	Ethanol	3	n/a	1170	II	50 L	250 L
DG Depot 10	Petrol	3	n/a	1270	II	100 L	250 L

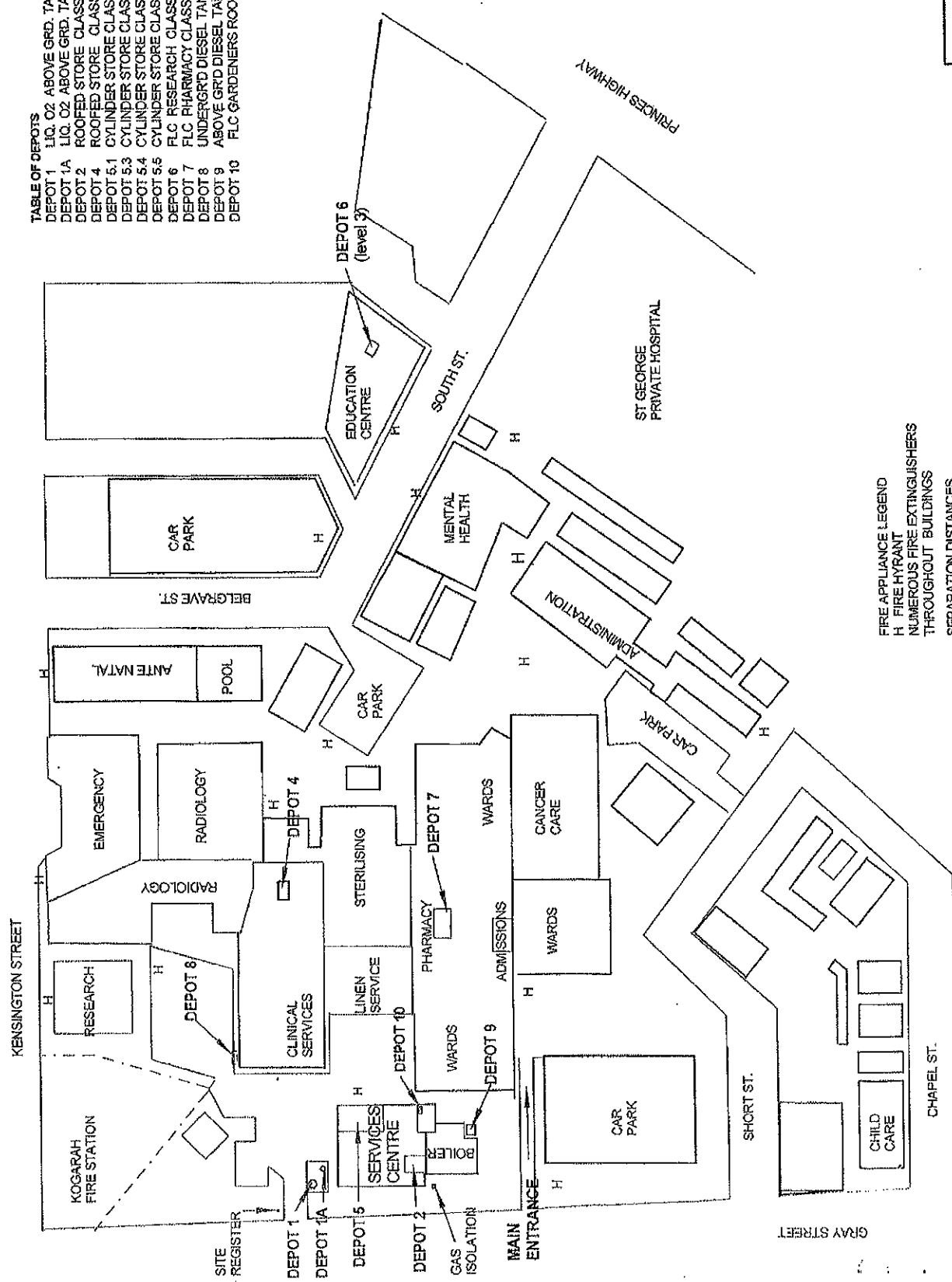
3. PROCESS LOCATIONS

Storage Location	Dangerous Goods					Quantity	
	Name	Class	Sub Risk/s	UN No.	PG	Average	Maximum
Pathology-Clinical Services	Ethanol	3	n/a	1170	II	40 Litres	100 Litres



TABLE OF DEPOTS

DEPOT 1	LIQ. O2 ABOVE GRD. TANK 18,000 L
DEPOT 1A	LIQ. O2 ABOVE GRD. TANK 1,300 L
DEPOT 2	ROOFED STORE CLASS 3 1,000 L
DEPOT 4	ROOFED STORE CLASS 3 5,000 L
DEPOT 5.1	CYLINDER STORE CLASS 2.2
DEPOT 5.3	CYLINDER STORE CLASS 2.2
DEPOT 5.4	CYLINDER STORE CLASS 2.2
DEPOT 5.5	CYLINDER STORE CLASS 2.1
DEPOT 6	FLC RESEARCH CLASS 3 300 L
DEPOT 7	FLC PHARMACY CLASS 3 250 L
DEPOT 8	UNDERGRD DIESEL TANK 10,000 L
DEPOT 9	ABOVE GRD DIESEL TANK 5,000 L
DEPOT 10	FLC GARDENERS ROOM 250 L



FIRE APPLIANCE LEGEND
 H FIRE HYDRANT
 NUMEROUS FIRE EXTINGUISHERS
 THROUGHOUT BUILDINGS

SEPARATION DISTANCES
 DEPOT 1 TO DEPOT 5 10 M
 DEPOT 2 TO DEPOT 5 15 M
 DEPOT 4 TO DEPOT 5 50 M

Plan of Premises
 Dangerous Goods
 St George's Hospital
 Gray St Kogarah 2217

All Areas Dangerous Goods Consultants
 Drawing SIGS Date 2/10/09
 Scale NTS



APPLICATION FOR RENEWAL OF LICENCE TO KEEP DANGEROUS GOODS

ISSUED UNDER AND SUBJECT TO THE PROVISIONS OF THE DANGEROUS GOODS ACT, 1975 AND REGULATION THEREUNDER

DECLARATION: Please renew licence number 35/010367 to 1999. I confirm that all the licence details shown below are correct (amend if necessary).


.....
(Signature)
for: ST GEORGE HOSPITAL

STAN LITTLE
.....
(Please print name)

15-4-98
.....
(Date signed)

THIS SIGNED DECLARATION SHOULD BE RETURNED TO:

WorkCover New South Wales
Dangerous Goods Licensing Section (Level 3)
Locked Bag 10
P O CLARENCE STREET 2000

Enquiries: ph (02) 9370 5187
fax (02) 9370 6105

Details of licence on 7 April 1998

Licence Number 35/010367 Expiry Date 07/06/98

Licensee ST GEORGE HOSPITAL
ENGINEERING DEPARTMENTS

Postal Address GRAY ST, KOGARAH 2217

Licence Contact Thomas Lai Ph. 9350 2321 Fax. 9350 3985

Premises Licensed to Keep Dangerous Goods
GRAY ST & KENSINGTON ST
KOGARAH 2217

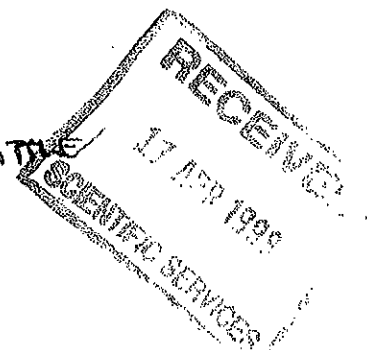
Nature of Site Hospitals Major Supplier of Dangerous Goods VARIOUS

Emergency Contact for this Site Main Switchboard ph. 9350 1111

Site staffing 24 HRS 7 DAYS

Details of Depots

Depot No.	Depot Type	Goods Stored in Depot	Qty
1	ABOVE-GROUND TANK	Class 2.2 UN 1073 OXYGEN, REFRIGERATED L	18000 L 18000 L
2	ROOFED STORE	Class 3 UN 1170 ETHANOL (ETHYL ALCOHOL) UN 1300 TURPENTINE SUBSTITUTE	1000 L 60 L 60 L
4	ROOFED STORE	Class 3 UN 1170 ETHANOL (ETHYL ALCOHOL)	5000 L 100 L
5.1	Exempt - Storage area	Class 2.2 UN 1072 OXYGEN, COMPRESSED UN 1070 NITROUS OXIDE, COMPRES UN 1002 AIR, COMPRESSED UN 1006 ARGON, COMPRESSED UN 1066 NITROGEN, COMPRESSED	1140 m3 95 m3 405 m3 200 m3 40 m3 400 m3





APPLICATION FOR RENEWAL OF LICENCE TO KEEP DANGEROUS GOODS

ISSUED UNDER AND SUBJECT TO THE PROVISIONS OF THE DANGEROUS GOODS ACT, 1975 AND REGULATION THEREUNDER

5.2a	Exempt - Storage area	Class 2.2 UN 1072 OXYGEN, COMPRESSED	15 m3 15 m3
5.2b	CYLINDER STORE	Class 2.1 UN 1001 ACETYLENE, DISSOLVED	24 m3 23 m3
5.3	Exempt - Storage area	Class 2.2 UN 1070 NITROUS OXIDE, COMPRES	467 m3 466 m3
5.4	Exempt - Storage area	Class 2.2 UN 1066 NITROGEN, COMPRESSED UN 1013 CARBON DIOXIDE	464 m3 216 m3 248 m3
5.5	CYLINDER STORE	Class 2.1 UN 1001 ACETYLENE, DISSOLVED UN 1978 PROPANE or PROPANE MIX UN 1049 HYDROGEN, COMPRESSED	45 m3 6 m3 90 kg 36 m3
6	ROOFED STORE	Class 3 UN 1170 ETHANOL (ETHYL ALCOHOL	1200 L 75 L
7	ROOFED STORE	Class 3 UN 1090 ACETONE UN 1155 DIETHYL ETHER (ETHYL E UN 1170 Alcohol	750 L 10 L 25 L 53 L

WORKCOVER AUTHORITY DANGEROUS GOODS ACT, 1975

LICENCE No.
35010367

APPLICATION FOR LICENCE (or AMENDMENT or TRANSFER of LICENCE)*
FOR THE KEEPING OF DANGEROUS GOODS

17 JUL 1991

(* Delete whichever is not required)

Name of Applicant in full (see item 1 - Explanatory notes - page 4) **WP** THE ST. GEORGE HOSPITAL

Trading name or occupier's name (if any) **TF** THE ST. GEORGE HOSPITAL (Sheafill)

Postal Address BELGRAVE STREET KOGARAH, NSW Postcode 2217

Address of the premises to be licensed. (Including Street No.) BELGRAVE STREET KOGARAH, NSW Postcode 2217

Nature of premises (See item 2 - Explanatory notes - page 4) HOSPITAL

Telephone number of applicant STD Code (02) Number 350-2112 / 588 11 11

Particulars of type of depots and maximum quantities of dangerous goods to be kept at any one time.

Depot number	Type of depot (See item 3 - Explanatory notes - page 4)	Storage capacity	Dangerous goods	C & C Office use only
			Product being stored	
1	Cylinder Store	14 Cu Me (14000L)	Acetylene	To add 007 160
2	Cylinder Store	14 Cu Me (14000L)	Hydrogen	7 100 14x3
3	Cylinder Store	100 kg's	L.P. Gas	7 100 1x2
4				
5				
6				
7				
8				
9				
10	offered by	EB 29/7/91		
11		LS		
12				

Has site plan been approved by the Dangerous Goods Branch?

No

If yes, no plans required.

If no, please attach site plan, or provide sketch plan overleaf. which has been checked by an accredited consultant

Have premises previously been licensed?

No

If, yes, state name of previous occupier, and licence No. (if known)

Name of oil company supplying flammable liquid (if applicable). N/A

Signature of applicant..... Date 12 July 1991

For external explosives magazine(s), please fill in page 3.

FOR OFFICE USE ONLY

CERTIFICATE OF INSPECTION

I, being an Inspector under the Dangerous Goods Act, 1975, do hereby certify that the premises described above do comply with the requirements of the Dangerous Goods Act, 1975, and the Dangerous Goods Regulation with regard to their situation and construction for the keeping of dangerous goods of the nature and in the quantity specified.

Signature of Inspector.....

Date.....

(1)

INFLAMMABLE LIQUID ACT, 1915-1946.

Application for Registration of Premises or Store License under Division _____ or for the transfer, alteration or amendment of any such Registration or License, for the keeping of Inflammable Liquid and/or Dangerous Goods, in accordance with the provisions of the Inflammable Liquid Act, 1915-46, for the ensuing year.

EXPLANATORY.

Inflammable Liquid—

Mineral Oil—includes kerosene, mineral turpentine and white spirit (for cleaning), and compositions containing same.

Mineral Spirit—includes petrol, benzine, benzolene, benzol and naphtha, and compositions containing same.

Dangerous Goods—

Class 1.—Acetone, amyl acetate, butyl acetate, carbon bisulphide; any combination of substances of inflammable character suitable for use as an industrial solvent and having a true flashing point of less than 73 degrees Fahrenheit.

Class 2.—Nitro-cellulose (also known as "pyroxylin" and "collodion cotton") moistened with an alcohol, butyl alcohol (also known as "butanol"), methylated spirits, vegetable turpentine; and any liquid or solid containing methylated spirits, having a true flashing point of less than 150 degrees Fahrenheit.

Class 3.—Nitro-cellulose product.

Class 4.—Compressed or dissolved acetylene contained in a porous substance.

DIRECTIONS.

1. Applications must be forwarded to the Chief Inspector of Inflammable Liquid, Explosives Department, Department of Mines, Bridge-street, Sydney, and must be accompanied by the prescribed fee, as set out hereunder:—

Registration of Premises (Fee, 10s. p.a.)—For quantities not exceeding 300 gallons of mineral oil and 100 gallons of mineral spirit, if kept together; or 800 gallons of mineral oil and 100 gallons of mineral spirit, if kept in separate depots; or 500 gallons of mineral spirit, if kept in an underground tank depot; or 800 gallons of mineral oil and 500 gallons of mineral spirit, if mineral spirit is kept in an underground tank depot.

In addition to, or in lieu of the above, similar quantities of Dangerous Goods of Classes 1 and 2 may be kept under the like conditions; reading Dangerous Goods of Class 1 for the words Mineral Spirit and Dangerous Goods of Class 2 for the words Mineral Oil.

Store License, Div. A (Fee, £1. p.a.)—For quantities in excess of those stated above, but not exceeding 4,000 gallons mineral oil and/or mineral spirit, and/or Dangerous Goods of Classes 1 and 2.

Store License, Div. B (Fee, £2. p.a.)—For quantities exceeding 4,000 gallons of mineral oil and/or mineral spirit, and/or dangerous goods of Classes 1 and 2, and/or dangerous goods of Class 3.

For the keeping of Dangerous Goods of Classes 3 and/or 4.

2. The certificate of inspection at foot hereof must be signed by an Inspector under the Inflammable Liquid Act, 1915-1946, or Police Officer, or other officer duly authorised in that behalf, and where the premises are situated outside the Metropolitan Area of Sydney, it is requested that such certificate be obtained prior to forwarding application.

1. Name in full of occupier...	ST GEORGE DISTRICT HOSPITAL
2. Occupation...	BELGRAVE ST. KOGARAH. HOSPITAL
3. Locality of the premises in which the depot or depots are situated...	No. or Name Street BELGRAVE STREET. Town KOGARAH
4. Nature of premises (Dwelling, Garage, Store, etc.) ...	STORE (PETROL)
5. Will mineral spirit be kept in a prescribed underground tank depot?	NO.

6. Particulars of construction of depots and maximum quantities of inflammable liquid and/or Dangerous Goods to be kept at any one time.

Depot No.	Construction of Depots.			Inflammable Liquid.		Dangerous Goods.			
	Walls.	Roof.	Floor.	Mineral Spirit, Gallons.	Mineral Oil, Gallons.	Class 1, Gallons.	Class 2, Gallons.	Class 3, lb.	Class 4, cub. ft.
1	BRICK	CONCRETE	CONCRETE	600.					
2									
3									
4									
5									
6									
7									
8									
9									
10									

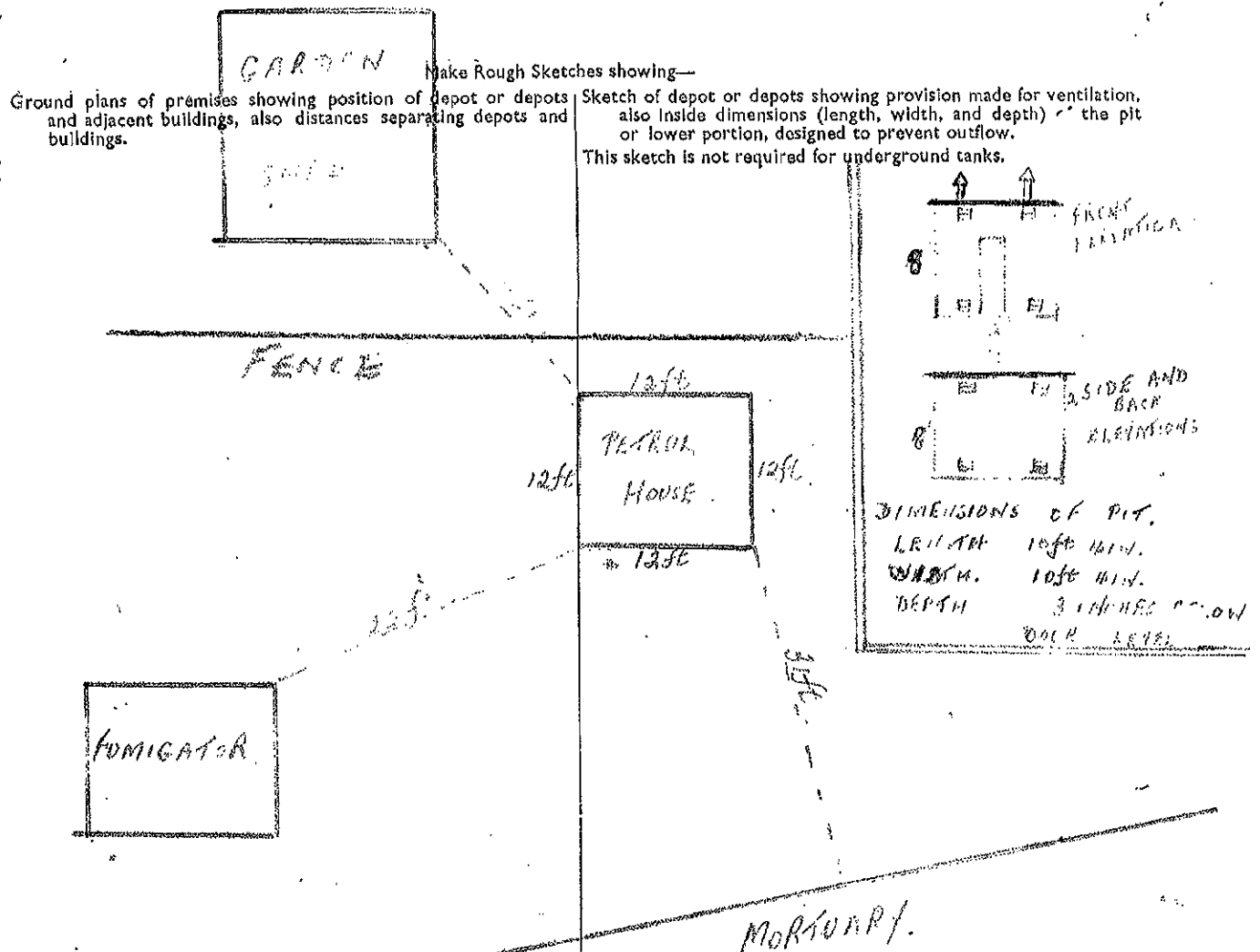
Date of Application 20 June 1947 Postal Address Belgrave St. Kogarah Secretary Belgrave St. Kogarah

CERTIFICATE OF INSPECTION.

I, A. F. Shaw being an Inspector under the Inflammable Liquid Act, 1915-46, do hereby certify that the premises or store herein referred to and described is suitable with regard to its situation and construction for the safe keeping of inflammable liquid and/or dangerous goods in quantity and nature specified.

Signature of Inspector A. F. Shaw

PLEASE TURN OVER



TABLES SHOWING DISTANCES WHICH UNDER LICENSE MUST SEPARATE PROTECTED WORKS FROM DEPOTS.

Table I.—Where Mineral Spirit and/or Dangerous Goods of Class 1 (with or without Mineral Oil and/or Dangerous Goods of Class 2) are kept or to be kept :—

In an underground Tank Depot, in quantity exceeding 500 gallons, but not exceeding—	In an aboveground Tank Depot or other Depot, separated from protected works by a screen wall, in quantity exceeding 100 gallons, but not exceeding—	In an aboveground Tank Depot or other Depot not separated from protected works by a screen wall, in quantity exceeding 100 gallons, but not exceeding—	Distance not less than—
Gallons.	Gallons.	Gallons.	Feet.
2,000	1,000	250	10
2,400	1,200	300	11
2,800	1,400	350	12
3,200	1,600	400	13
3,600	1,800	450	14
4,000	2,000	500	15
4,400	2,200	550	16
4,800	2,400	600	17
5,200	2,600	650	18
5,600	2,800	700	19
6,000	3,000	750	20
6,400	3,200	800	21
6,800	3,400	850	22
7,200	3,600	900	23
7,600	3,800	950	24
8,000	4,000	1,000	25
8,400	4,200	1,050	26
8,800	4,400	1,100	27
9,200	4,600	1,150	28
9,600	4,800	1,200	29
10,000	5,000	1,250	30
10,400	5,200	1,300	31
10,800	5,400	1,350	32
11,200	5,600	1,400	33
11,600	5,800	1,450	34
12,000	6,000	1,500	35
12,400	6,200	1,550	36
12,800	6,400	1,600	37
13,200	6,600	1,650	38
13,600	6,800	1,700	39
14,000	7,000	1,750	40
14,400	7,200	1,800	41
14,800	7,400	1,850	42
15,200	7,600	1,900	43
15,600	7,800	1,950	44
16,000	8,000	2,000	45
16,400	8,200	2,050	46
16,800	8,400	2,100	47
17,200	8,600	2,150	48
17,600	8,800	2,200	49
18,000	9,000	2,250	50
18,400	9,200	2,300	51
18,800	9,400	2,350	52
19,200	9,600	2,400	53
19,600	9,800	2,450	54
20,000	10,000	2,500	55
20,400	10,200	2,550	56
20,800	10,400	2,600	57
21,200	10,600	2,650	58
21,600	10,800	2,700	59
22,000	11,000	2,750	60
22,400	11,200	2,800	61
22,800	11,400	2,850	62
23,200	11,600	2,900	63
23,600	11,800	2,950	64
24,000	12,000	3,000	65
24,400	12,200	3,050	66
24,800	12,400	3,100	67
25,200	12,600	3,150	68
25,600	12,800	3,200	69
26,000	13,000	3,250	70
26,400	13,200	3,300	71
26,800	13,400	3,350	72
27,200	13,600	3,400	73
27,600	13,800	3,450	74
28,000	14,000	3,500	75
28,400	14,200	3,550	76
28,800	14,400	3,600	77
29,200	14,600	3,650	78
29,600	14,800	3,700	79
30,000	15,000	3,750	80
30,400	15,200	3,800	81
30,800	15,400	3,850	82
31,200	15,600	3,900	83
31,600	15,800	3,950	84
32,000	16,000	4,000	85
32,400	16,200	4,050	86
32,800	16,400	4,100	87
33,200	16,600	4,150	88
33,600	16,800	4,200	89
34,000	17,000	4,250	90
34,400	17,200	4,300	91
34,800	17,400	4,350	92
35,200	17,600	4,400	93
35,600	17,800	4,450	94
36,000	18,000	4,500	95
36,400	18,200	4,550	96
36,800	18,400	4,600	97
37,200	18,600	4,650	98
37,600	18,800	4,700	99
38,000	19,000	4,750	100
38,400	19,200	4,800	101
38,800	19,400	4,850	102
39,200	19,600	4,900	103
39,600	19,800	4,950	104
40,000	20,000	5,000	105
40,400	20,200	5,050	106
40,800	20,400	5,100	107
41,200	20,600	5,150	108
41,600	20,800	5,200	109
42,000	21,000	5,250	110
42,400	21,200	5,300	111
42,800	21,400	5,350	112
43,200	21,600	5,400	113
43,600	21,800	5,450	114
44,000	22,000	5,500	115
44,400	22,200	5,550	116
44,800	22,400	5,600	117
45,200	22,600	5,650	118
45,600	22,800	5,700	119
46,000	23,000	5,750	120
46,400	23,200	5,800	121
46,800	23,400	5,850	122
47,200	23,600	5,900	123
47,600	23,800	5,950	124
48,000	24,000	6,000	125
48,400	24,200	6,050	126
48,800	24,400	6,100	127
49,200	24,600	6,150	128
49,600	24,800	6,200	129
50,000	25,000	6,250	130
50,400	25,200	6,300	131
50,800	25,400	6,350	132
51,200	25,600	6,400	133
51,600	25,800	6,450	134
52,000	26,000	6,500	135
52,400	26,200	6,550	136
52,800	26,400	6,600	137
53,200	26,600	6,650	138
53,600	26,800	6,700	139
54,000	27,000	6,750	140
54,400	27,200	6,800	141
54,800	27,400	6,850	142
55,200	27,600	6,900	143
55,600	27,800	6,950	144
56,000	28,000	7,000	145
56,400	28,200	7,050	146
56,800	28,400	7,100	147
57,200	28,600	7,150	148
57,600	28,800	7,200	149
58,000	29,000	7,250	150
58,400	29,200	7,300	151
58,800	29,400	7,350	152
59,200	29,600	7,400	153
59,600	29,800	7,450	154
60,000	30,000	7,500	155
60,400	30,200	7,550	156
60,800	30,400	7,600	157
61,200	30,600	7,650	158
61,600	30,800	7,700	159
62,000	31,000	7,750	160
62,400	31,200	7,800	161
62,800	31,400	7,850	162
63,200	31,600	7,900	163
63,600	31,800	7,950	164
64,000	32,000	8,000	165
64,400	32,200	8,050	166
64,800	32,400	8,100	167
65,200	32,600	8,150	168
65,600	32,800	8,200	169
66,000	33,000	8,250	170
66,400	33,200	8,300	171
66,800	33,400	8,350	172
67,200	33,600	8,400	173
67,600	33,800	8,450	174
68,000	34,000	8,500	175
68,400	34,200	8,550	176
68,800	34,400	8,600	177
69,200	34,600	8,650	178
69,600	34,800	8,700	179
70,000	35,000	8,750	180
70,400	35,200	8,800	181
70,800	35,400	8,850	182
71,200	35,600	8,900	183
71,600	35,800	8,950	184
72,000	36,000	9,000	185
72,400	36,200	9,050	186
72,800	36,400	9,100	187
73,200	36,600	9,150	188
73,600	36,800	9,200	189
74,000	37,000	9,250	190
74,400	37,200	9,300	191
74,800	37,400	9,350	192
75,200	37,600	9,400	193
75,600	37,800	9,450	194
76,000	38,000	9,500	195
76,400	38,200	9,550	196
76,800	38,400	9,600	197
77,200	38,600	9,650	198
77,600	38,800	9,700	199
78,000	39,000	9,750	200
78,400	39,200	9,800	201
78,800	39,400	9,850	202
79,200	39,600	9,900	203
79,600	39,800	9,950	204
80,000	40,000	10,000	205
80,400	40,200	10,050	206
80,800	40,400	10,100	207
81,200	40,600	10,150	208
81,600	40,800	10,200	209
82,000	41,000	10,250	210
82,400	41,200	10,300	211
82,800	41,400	10,350	212
83,200	41,600	10,400	213
83,600	41,800	10,450	214
84,000	42,000	10,500	215
84,400	42,200	10,550	216
84,800	42,400	10,600	217
85,200	42,600	10,650	218
85,600	42,800	10,700	219
86,000	43,000	10,750	220
86,400	43,200	10,800	221
86,800	43,400	10,850	222
87,200	43,600	10,900	223
87,600	43,800	10,950	224
88,000	44,000	11,000	225
88,400	44,200	11,050	226
88,800	44,400	11,100	227
89,200	44,600	11,150	228
89,600	44,800	11,200	229
90,000	45,000	11,250	230
90,400	45,200	11,300	231
90,800	45,400	11,350	232
91,200	45,600	11,400	233
91,600	45,800	11,450	234
92,000	46,000	11,500	235
92,400	46,200	11,550	236
92,800	46,400	11,600	237
93,200	46,600	11,650	238
93,600	46,800	11,700	239
94,000	47,000	11,750	240
94,400	47,200	11,800	241
94,800	47,400	11,850	242
95,200	47,600	11,900	243
95,600	47,800	11,950	244
96,000	48,000	12,000	245
96,400	48,200	12,050	246
96,800	48,400	12,100	247
97,200	48,600	12,150	248
97,600	48,800	12,200	249
98,000	49,000	12,250	250
98,400	49,200	12,300	251
98,800	49,400	12,350	252
99,200	49,600	12,400	253
99,600	49,800	12,450	254
100,000 and over.	320,000 and over.	400,000 and over.	150

NKA C/R ✓
35-010367-9
THE ST. GEORGE HOSPITAL

SOUTHERN SYDNEY AREA HEALTH SERVICE

Facsimile No: (02) 588 7574

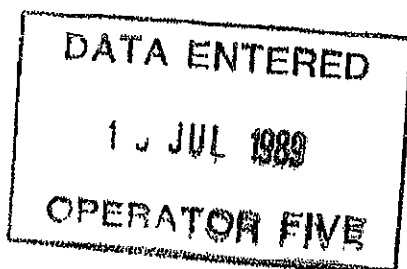
Telephone No: (02) 588 1111

ext. 2112

The St. George Hospital,
Belgrave Street,
KOGARAH, N.S.W. 2217.

Our Reference: AS:HC

Your Reference:



15 June, 1989.

The Manager,
Industrial Relations Department,
1 Oxford Street,
DARLINGHURST. 2010.

Dear Sir,

RE: APPLICATION FOR LICENCE FOR THE
KEEPING OF DANGEROUS GOODS

I refer to the attached Licence/Reg.No. 35 0103679 due to expire on 15 June, 1990.

Depot Type 1, u/g tank for storage of flammable liquids is no longer required. The tank has been removed from service.

Please find enclosed cheque for \$60.00 for Licence applications for the remaining four depots.

Yours sincerely,

(DR.) T.J. SMYTH.
General Manager.

Encl.

DD 004.060.6

7.040.63 602014 6.02053

6.020.53

SOUTHERN SYDNEY AREA HEALTH SERVICE COMPRISES THE HOSPITALS OF CANTERBURY, ST. GEORGE AND SUTHERLAND, ASSOCIATED COMMUNITY HEALTH SERVICES AND THE THIRD SCHEDULE HOSPITALS OF CALVARY AND LUCY GULLETT.

APPLICATION FOR LICENCE (or AMENDMENT or TRANSFER of LICENCE) FOR THE KEEPING OF DANGEROUS GOODS

Application is hereby made for—
described below.

- *a licence (or amendment of the licence)
- *the transfer of the licence

for the keeping of dangerous goods in or on the premises

FEE: \$10.00 per Depot for new licence.
\$10.00 for amendment or transfer.

(*delete whichever is not required)

Name of Applicant in full (see over)	THE ST. GEORGE HOSPITAL		
Trading name or occupier's name (if any)	AS ABOVE		
Postal address			
Address of the premises including street number (if any)	BELGRAVE ST. KOGARAH.		
Nature of premises (see over)	HOSPITAL		
Telephone number of applicant	STD Code	Number	
		588.1111	

Particulars of type of depots and maximum quantities of dangerous goods to be kept at any one time.

Depot number	Type of depot (see over)	Storage capacity LITRES	Dangerous goods	C & C Office use only
			Product being stored	
1	Undergr. Tank	2500	Petrol 3.1	2 020 23
2	Abovegr. Tank	5870 ³ /4	OXYGENE 2.3	1 040 63
3	Roofed Package Store	13000	3.1-3.4 Pharmacy Dept.	6 020 14
4	"	5000	3.1-3.4 Pathology Dept.	6 020 53
5	"	5000	3.1-3.4 Main Store Dept.	6 020 53
6				
7				
8				
9				
10				
11				
12				

Has site plan been approved?

Yes ☒
No

If yes, no plans required.

If no, please attach site plan. ☒

Have premises previously been licensed?

Yes ☒
No

If yes, state name of previous occupier.

AS Above 10367-6

Name of company supplying flammable liquid (if any)

HCS.

Signature of applicant *M. Henry Ch. Eng.* Date 14.5.81

For external explosives magazine(s), please fill in side 2.

FOR OFFICE USE ONLY

CERTIFICATE OF INSPECTION

I, ADLY NOUR being an Inspector under the Dangerous Goods Act, 1975, do hereby certify that the premises described above do comply with the requirements of the Dangerous Goods Act, 1975, and the Dangerous Goods Regulation with regard to their situation and construction for the keeping of dangerous goods of the nature and in the quantity specified.

Signature of Inspector *Adly Nour*

Date 1.6.7.81

Goods, in accordance with the provisions of the Inflammable Liquid Act, 1915 (as amended), for the ensuing year.

DIRECTIONS

1. Applications must be forwarded to the Chief Inspector of Inflammable Liquid, Explosives Department, Box R.216, Royal Exchange Sydney, N.S.W. 2000 and must be accompanied by the prescribed fee, as set out hereunder:

Registration of Premises (Fee \$3.00 p.a.) - For quantities not exceeding 300 gallons of mineral oil and 100 gallons of mineral spirit, if kept together; or 800 gallons of mineral oil and 100 gallons of mineral spirit, if kept separate depots; or 500 gallons of mineral spirit, if kept in an underground tank depot; or 800 gallons of mineral oil and 500 gallons of mineral spirit, if mineral spirit is kept in an underground tank depot.

In addition to, or in lieu of the above, similar quantities of Dangerous Goods of Classes 1 and 2 may be kept under the like conditions; reading Dangerous Goods of Class 1 for the words Mineral Spirit and Dangerous Goods of Class 2 for the words Mineral Oil.

Store License, Div. A (Fee, \$6.50 p.a.) - For quantities in excess of those stated above, but not exceeding 4,000 gallons mineral oil and/or mineral spirit, and/or Dangerous Goods of Classes 1, 2 and 9.

Store License, Div. B (Fee, See Regulation 7) - For quantities exceeding 4,000 gallons of mineral spirit, and/or dangerous goods of Classes 1 and 2, and/or dangerous goods of Class 3.

For the keeping of Dangerous Goods of Classes 3 and/or 4. (\$15.00 p.a.).

Fees for the keeping of inflammable liquid and dangerous goods in excess of the above stated quantities and also for Liquid Petroleum Gas storage are set out in Regulation 7.

APPROVED BY POLICE 10367

1. Name of occupier including full christian names.

THE ST. GEORGE HOSPITAL

2. Trading Name (if any)

3. Locality of the premises in which the depot or depots are situated

No. or Name *THE ST. GEORGE HOSPITAL*

Street *BELEGRIVE ST.*

Town *KOGARAH.*

4. Postal address

Postcode *2217.*

5. Occupation

6. Nature of premises (dwelling, garage etc.)

7. Particulars of construction of depots and maximum quantities of inflammable liquid and/or Dangerous Goods to be kept at any one time.

PLEASE ATTACH PLAN OF PREMISES

Depot No.	Construction of depots*			Inflammable liquid		Dangerous goods					
	Walls	Roof	Floor	Mineral spirit gallons	Mineral oil gallons	Class 1 gallons	Class 2 gallons	Class 3 lb	Class 4 cu ft	Class 5A water gal	Class 9 gallons
1	<i>Underground tank</i>			<i>300</i>							
2											
3											
4											
5											
6											
7											
8											
9											
10											

* If product is kept in tanks describe depots as underground or aboveground tanks.

Signature of Applicant *Reg. Williams*
CHIEF EXECUTIVE OFFICER

Date of application *22-6-71*, 1971.

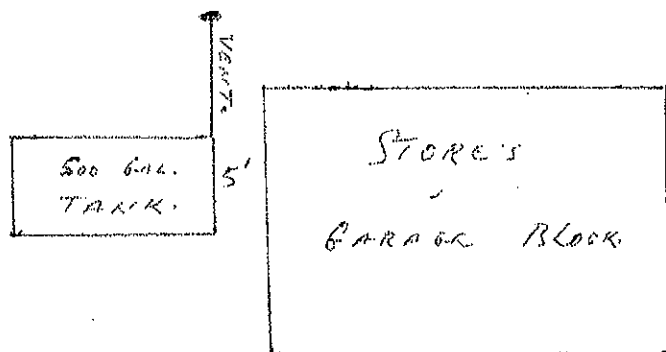
CERTIFICATE OF INSPECTION

I, *Leahy Edward Shook*, being an Inspector under the Inflammable Liquid Act, 1915 (as amended), do hereby certify that the premises or store herein referred to and described is suitable with regard to its situation and construction for the safe keeping of inflammable liquid and/or dangerous goods in quantity and nature specified.

Make Rough Sketches showing:

Ground plans of premises showing position of depot or depots and adjacent buildings, also distances separating depots and buildings.

Sketch of depot or depots showing provision made for ventilation, also inside dimensions (length, width, and depth) of the depot or lower portion, designed to prevent outflow.



EXPLANATORY

Inflammable Liquid -

Mineral Oil - includes kerosene, mineral turpentine and white spirit (for cleaning), and compositions containing same.
Mineral Spirit - includes petrol, benzene, benzofene, benzol and naphtha, and compositions containing same.

Dangerous Goods -

Class 1 - acetal, acetaldehyde, acetone, acrolein, amyl mercaptan, butyl acetate, butyl mercaptan, butyl propionate, crotonaldehyde, dichloro-ethylene, diethylketone, dioxane, diethylamine, dimethyl hydrozine, dipropylamine, divinyl ether, dipropyl ether, ethyl acetate, ethyl acrylate, ethyl chloride, ethyl ether, dichloroethane (ethylene dichloride), ethyl mercaptan, ethyl methacrylate, ethyl methyl ether, ethyl propyl ether, ethyl propionate, methyl propyl ketone, methyl acetate, methyl acrylate, methylal, methyl ethyl ether, methyl ethyl ketone, methyl methacrylate, methyl vinyl ketone, methyl vinyl acetate, piperidine, propanol, propyl acetate, propylamine, propylene oxide, pyridine, tetrahydrofuran, thiophene, triethylamine, valeraldehyde, vinyl acetate, vinyl allyl ether, vinyl butyl ether, vinyl butyrate, vinyl cyanide (acrylonitrile), vinylidene chloride, vinyl ethyl ether, vinyl propyl ether, vinyl propionate, any combination of substances of an inflammable character suitable for use as an industrial solvent and having a true flashing point of less than 73 degrees Fahrenheit, manufactured products, containing organic solvents, having a true flashing point of less than 73 degrees Fahrenheit.

Class 2 - acetic acid, acetyl acetone, acetic anhydride, allyl alcohol, amyl acetate, amyl alcohol, butyl alcohol, butyl methacrylate, chlorobenzene, cyclohexanone, dibutyl ether, dibutyl ketone, dipentene, epichlorohydrin, ethanol (ethyl alcohol), ethyl benzene, ethylene diamine, furfural, mesityl oxide, methyl alcohol, methyl amyl ketone, methyl butyl ketone, pine oil (having a flashing point below 150°F), propyl benzene, propanol, vegetable turpentine, vinyl benzene (styrene).

SOUTH STREET

ENTRY/EXIT



PACIFIC HOUSE

BRICK
Nº 9

COTTAGES
Nº 7

EXISTING
CAR PARKING
(BITUMEN)

WORKSHOPS

ADDITIONAL
CAR PARKING
(BITUMEN)

STORE

SURGIC
RESEA

STORMWATER

EXISTING
ROADWAY

CONCRETE

EXISTING

EXISTING

WATER AND
COMPRESSED AIR LINES
UNDERGROUND TO PUMP

FILL POINT

PETROL PUMP
(CREDIT CARD
SELF-SERVE)

20000 LITRE
UNDERGROUND
TANK

ATTENDANT'S BOOTH

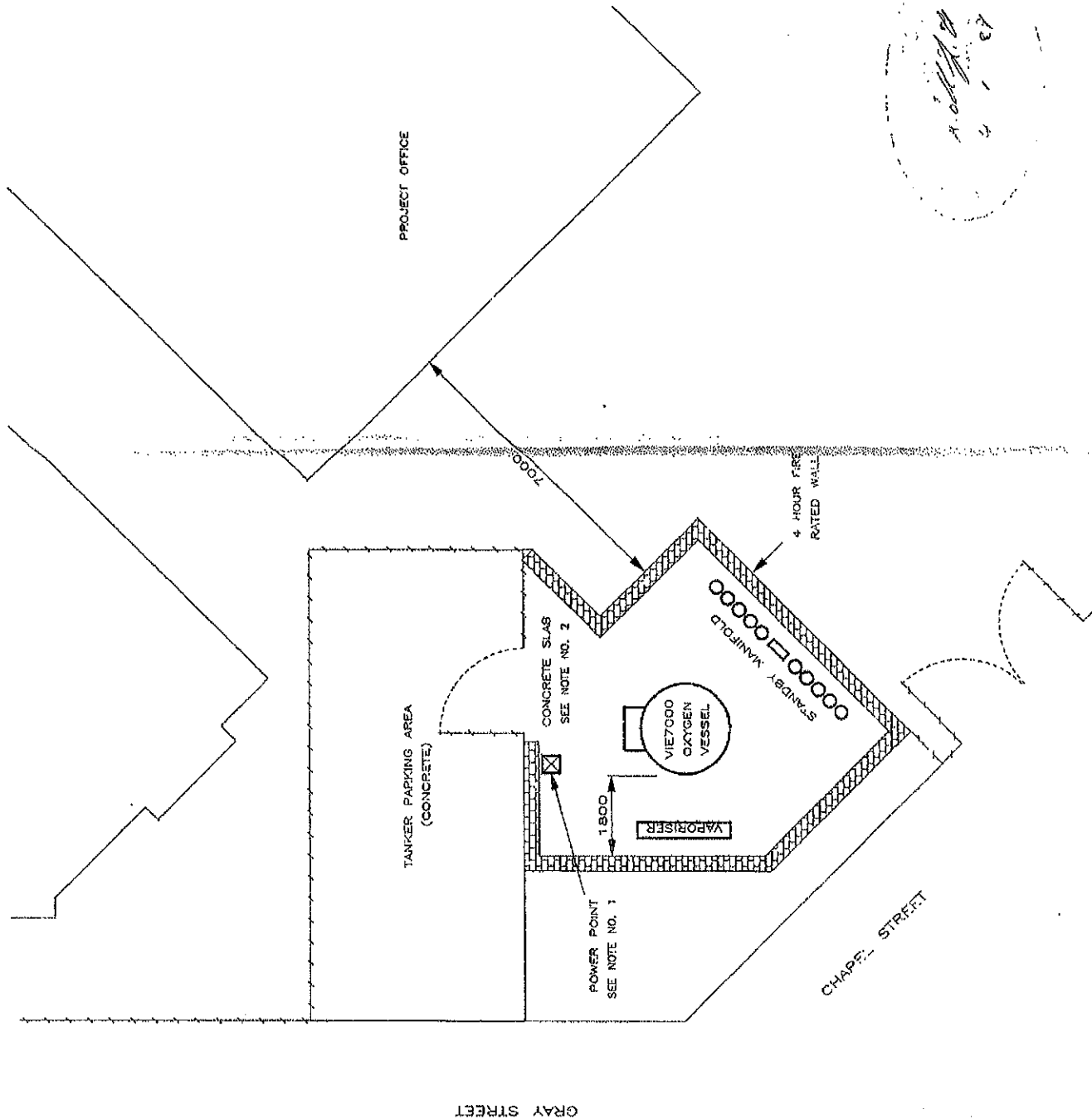
DEMOLISH EXISTING
KERB-WIDEN ROAD, FORM NEW CROSSING
(CONCRETE)

Existing Chamber
(Connection Source 2)

Approximately 80m

THIS DRAWING AND THE COPYRIGHT THEREON ARE THE PROPERTY OF C.I.G. AND ALL INFORMATION WHICH IT CONTAINS IS CONFIDENTIAL. THE DRAWING MUST NOT BE REPRODUCED OR DISCLOSED, NOR MUST ANY INFORMATION THEREIN BE DISCLOSED WITHOUT THE PRIOR CONSENT OF C.I.G.

DO NOT SCALE DRG - IF IN DOUBT - ASK



No.	Revision	Date
NOTES 1. Install an electrical power point for oxygen vessel of 415V, 3 phase, 30 amp, 4 wire using a Rowco X99430 socket with switch (or equivalent) motor starter fuse links T430/50A in 30 amp fuse holders is also necessary. The power outlet is to be installed 1000 above ground level and not more than 3000 from vessel controls. 2. Concrete plinth - Grade 25 mPa with a 28 day cure or 40 mPa with a 7 day cure. Reinforced - F82 mesh top and bottom with 50mm cover. Vessel slab to be 200 thick.		
Project ST. GEORGE HOSPITAL. KOGARAH, BELMONT ST.		
 GASES DIVISION - N.S.W. INSTALLATIONS DEPARTMENT		
Scale	1:100	Drawn L.J. Drafting
Date	3rd Jan. 1989	Traced
Checked		Approved
Drawing Title VIE7000 OXYGEN VESSEL INSTALLATION		
Drawing No.	A3-89/3138	Rev.



(Site History Documents – OEH Records)

You are here: [Home](#) > [Contaminated Land](#) > [Record of notices](#)

Search results

Your search for: LGA: Kogarah Municipal Council

Suburb	Address	Site name	Notifies related to this site
Hurstville Grove	Marshead Drive	Moore Reserve	1 current

Page 1 of 1
3 November 2011

- Contaminated land
 - Management of contaminated land
 - Consultants and site auditor scheme
 - Underground petroleum storage systems
 - Guidelines under the CLM Act
- Record of notices
 - About this record
 - Search the record
 - Search tips
- Disclaimer
- List of NSW contaminated sites notified to OEH
- Frequently asked questions
- Forms
- Other contamination issues

List of NSW contaminated sites		Service Station	Yes	In progress	A
Kingsford	Shell Coles Express Service Station 48-58 Gardeners Road	Service Station	Yes	In progress	A
Kingsgrove	Caltex Service Station 351-357 Stoney Creek Rd	Service Station	Yes	In progress	B
Kingsgrove	Shell Coles Express Service Station 137 Kingsgrove Road	Service Station	Yes	In progress	A
Kingsgrove	State Transit Authority Depot 17-23 Richard Street	Other Petroleum	Yes	Completed	E
Kirrawee	Caltex Service Station 487 Princes Hwy	Service Station	Yes	In progress	A
Kirrawee	Coles Express Kirrawee 970 Princes Highway	Service Station	Yes	In progress	A
Kirrawee	Ingal Civil Products 127-141 Bath Road	Metal Industry	Yes	Completed	G
Kirrawee	Mobil Service Station 562 Princes Highway	Service Station	Yes	Completed	E
Kogarah	Caltex Service Station 28 President Ave	Service Station	Yes	In progress	B
Kogarah	Mobil Service Station 734 Princes Highway	Service Station	Yes	In progress	B
Kogarah	Scarborough Park South Production Avenue	Landfill	Yes	Completed	H
Kooragang	NPC, berths 2 and 3 Heron Road	Metal Industry	Yes	Completed	H
Kooragang Island	Former Delta EMD Cormorant Drive	Unclassified	Yes	In progress	A
Kooragang Island	Orica 15 Greenleaf Road	Chemical Industry	Yes	Completed	C
Kooragang Island	Transpacific Technical Services Raven Street	Unclassified	Yes	In progress	A D
Kooragang	Caltex Service Station 285-287 Lake Albert Rd	Service Station	Yes	In progress	B
Kosciuszko National Park	Khanabari Spoil Dump Alpine Way	Landfill	No	Completed	G
Kosciuszko National Park	Sawpit Creek landfill Off Kosciuszko Road, 13km from Jindabyne	Landfill	No	Completed	D G
Kurmond	BP Service Station 501 Bells Line of Road	Service Station	Yes	Completed	C



Office of Environment & Heritage

- HOME
- ENVIRONMENTAL ISSUES
- CLIMATE CHANGE
- SUSTAINING OUR ENVIRONMENT
- NATURE CONSERVATION
- CULTURE AND HERITAGE
- VISITING A PARK
- KNOWLEDGE CENTRE
- ABOUT US

Environment protection licences

- Licensing under the POEO Act

Guide to licensing

- Licence forms
- Licence fees
- Load based licensing
- Emissions trading
- POEO Public Register

Search for licences, applications and notices

Search for prosecutions and civil proceedings

Enforceable undertakings

Exemptions and approvals

Frequently asked questions

List of licences

List of unlicensed premises

The National Pollutant Inventory

Compliance audit program

2011 industry audit program

Duty to notify pollution incidents

Authorised officers

You are here: [Home](#) > [Environment protection licences](#) > [POEO Public Register](#) > [Search for licences, applications and notices](#)

Search results

Your search for: General Search with the following criteria

Suburb - KOGARAH

returned 13 results

Export to excel 1 of 1 Pages

Number	Name	Location	Type	Status	Issued date
11751	CALVARY HEALTH CARE SYDNEY LIMITED	91 ROCKY POINT ROAD, KOGARAH, NSW 2217	POEO licence	No longer in force	19 Sep 2002
1048154	CALVARY HEALTH CARE SYDNEY LIMITED	91 ROCKY POINT ROAD, KOGARAH, NSW 2217	s.58 Licence Variation	Issued	26 May 2005
5385	HCOA OPERATIONS (AUSTRALIA) PTY LIMITED	1 SOUTH STREET, KOGARAH, NSW 2217	POEO licence	No longer in force	26 Apr 2000
1018735	HCOA OPERATIONS (AUSTRALIA) PTY LIMITED	1 SOUTH STREET, KOGARAH, NSW 2217	s.58 Licence Variation	Issued	22 Oct 2002
142057	HCOA OPERATIONS (AUSTRALIA) PTY LIMITED	1 SOUTH STREET, KOGARAH, NSW 2217	POEO Licence Transfer	Approved	13 Jun 2003
1044551	HCOA OPERATIONS (AUSTRALIA) PTY LIMITED	1 SOUTH STREET, KOGARAH, NSW 2217	s.58 Licence Variation	Issued	18 Feb 2005
1055125	HCOA OPERATIONS (AUSTRALIA) PTY LIMITED	1 SOUTH STREET, KOGARAH, NSW 2217	s.58 Licence Variation	Issued	15 Oct 2006
1055925	HCOA OPERATIONS (AUSTRALIA) PTY LIMITED	1 SOUTH STREET, KOGARAH, NSW 2217	s.58 Licence Variation	Issued	03 Nov 2006
10225	PATHOLOGY SERVICES PTY LIMITED	79 Princes Highway, KOGARAH, NSW 2217	POEO licence	Surrendered	23 Dec 1999
1019570	PATHOLOGY SERVICES PTY LIMITED	79 Princes Highway, KOGARAH, NSW 2217	s.80 Approval of the Surrender of a Licence	Issued	22 Aug 2002
5547	SOUTH EASTERN SYDNEY AND ILLAWARRA AREA HEALTH SERVICE	GRAY STREET, KOGARAH, NSW 2217	POEO licence	No longer in force	29 Aug 2000
1018718	SOUTH EASTERN SYDNEY AND ILLAWARRA AREA HEALTH SERVICE	GRAY STREET, KOGARAH, NSW 2217	s.58 Licence Variation	Issued	22 Oct 2002
1044557	SOUTH EASTERN SYDNEY AND ILLAWARRA AREA HEALTH SERVICE	GRAY STREET, KOGARAH, NSW 2217	s.58 Licence Variation	Issued	10 May 2005

03 November 2011

Internet | Protected Mode On

95%

2:55 PM 3/11/2011

Summary Licence No: 6547[View this licence](#) (PDF document 202 kb)

Licence holder: SOUTH EASTERN SYDNEY AND ILLAWARRA AREA HEALTH SERVICE
Trading as: ST GEORGE HOSPITAL

Premises: ST GEORGE HOSPITAL
 GRAY STREET, KOGARAH, NSW, 2217
LGA: CITY OF KOGARAH **Catchment:** Sydney Coast & Georges River

Administrative fee: \$1,520.00

Licence status: No_longer_in_force

Activity type: Hazardous, Industrial or Group A Waste Generation or Storage

Licence review: Complete date 10 May 2005

Complete date 01 Jul 2002

Due date 10 May 2010

Notices

Number	Issue date	Notice type
1018718	22 Oct 2002	s.58 Licence Variation
1044557	10 May 2005	s.58 Licence Variation

Annual Returns

Start date	End date	Date received	Non-compliance	LBL data	
15-Jan-2007	14-Jan-2008				Download Annual Return Form
15-Jan-2006	14-Jan-2007	05-Feb-2007	No	Not available	
15-Jan-2005	14-Jan-2006	15-Feb-2006	No	Not available	
15-Jan-2004	14-Jan-2005	17-Jan-2005	No	Not available	
15-Jan-2003	14-Jan-2004	22-Jan-2004	No	Not available	
15-Jan-2002	14-Jan-2003	11-Mar-2003	No	Not available	
15-Jan-2001	14-Jan-2002	12-Mar-2002	No	Not available	
15-Jan-2000	14-Jan-2001	08-Mar-2001	No	Not available	

Licence Variation

Section 58(5) Protection of the Environment Operations Act 1997



SOUTH EASTERN SYDNEY AND ILLAWARRA AREA HEALTH SERVICE,
Trading as ST GEORGE HOSPITAL,
ABN 78 390 886 131,
PO BOX 430,
KOGARAH NSW 1485

Attention: Mr. ADRIAN CUMMISKEY

Notice Number 1044557
File Number 401188
Date 10-May-2005

NOTICE OF VARIATION OF LICENCE NO. 6547

BACKGROUND

- A. SOUTH EASTERN SYDNEY AND ILLAWARRA AREA HEALTH SERVICE ~~7a~~ ST GEORGE HOSPITAL ("the licensee") is the holder of Environment Protection Licence No. 6547 ("the licence") issued under the *Protection of the Environment Operations Act 1997* ("the Act"). The licence authorises the carrying out of Scheduled Activity - Premises Based at GRAY STREET, KOGARAH, NSW.
- B. Licence varied as an outcome of the licence review conducted by the EPA under section 78 of the POEO Act 1997.

VARIATION OF LICENCE NO. 6547

1. By this notice the EPA varies licence No. 6547 as set out in the Appendix. The Appendix is a copy of the licence marked with the variations that are made to it by this notice.
2. The variations to the licence are indicated in the following way:
 - ☐ if a strike through mark appears through any word or other text (eg. ~~Solids or~~) this indicates that the word or other text is deleted from the licence by this notice; and
 - ☐ if a double underline appears under any word or other text (eg. must be treated) this indicates that the word or other text is added to the licence by this notice.
3. Except as provided by section 84(2) of the Act, the variations to the licence by this notice begin to operate at the expiry of the period of 21 days after you receive notice of the variations, unless another date is specified in this notice.
4. Section 84(2) of the Act provides that a variation to a licence does not operate:

Licence Variation

Section 58(5) Protection of the Environment Operations Act 1997



- ☐ until the expiry of the period of 21 days after you are given notice of the decision to vary the licence is given to the; or
- ☐ if an appeal against the decision is lodged within that period, until the Land and Environment Court confirms the decision or the appeal is withdrawn; or
- ☐ until you notify the EPA in writing that no appeal is to be made against the decision to vary the licence,

whichever first occurs.

.....
Ms Susanna Savolainen
Principal Officer
Sydney Waste
(by Delegation)

INFORMATION ABOUT THIS NOTICE

- ☐ Section 287 of the Act enables appeals to be made in connection with decisions about licences within 21 days after you are given notice of the decision.
- ☐ Details provided in this notice will be available on the EPA's Public Register in accordance with section 308 of the Act.
- ☐ This notice is issued under section 58(5) of the Act .



Environment Protection Authority

Environment Protection Licence

Section 55 Protection of the Environment Operations Act 1997

- Licence number: 6547
- File number: 401188
- Licence Anniversary Date: 15-January
- Review date not later than 01-Jul-2005

Licence Type

Premises

Licensee

SOUTH EASTERN SYDNEY ~~AND ILLAWARRA~~ AREA HEALTH
SERVICE
PO BOX 430
KOGARAH NSW 1485

Licensed Premises

ST GEORGE HOSPITAL
GRAY STREET
KOGARAH NSW 2217

Fee Based Activity

Hazardous, Industrial or Group A Waste Generation
or Storage (73)

Scale

> 100 - 500 T

EPA Region

Sydney Region ~~Waste~~~~Level 7, 79 George Street~~ ~~59-61 Goulburn Street~~~~PARRAMATTA NSW 2150~~ ~~SYDNEY NSW 2000~~

Phone: 02 9995 5000

Fax: 02 9995 ~~6900~~ ~~5999~~

~~PO Box 668 PARRAMATTA~~ ~~PO Box A290 SYDNEY SOUTH~~
NSW ~~2124~~ ~~1282~~

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Information about this licence

Dictionary

The licence contains a dictionary, which defines terms used in the licence. It is found at the end of the licence.

Responsibilities of licensee

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

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

Transfer of licence

Transfer of the licence to another person may be requested by the licensee using the form for this purpose available from the EPA.

Variation of licence conditions

Variations to the conditions of this licence may be requested by the licensee using the form for this purpose available from the EPA. The EPA may also vary a licence at any time by written notice without an application being made.

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

Duration of licence

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

Licence review

The Act requires that the EPA review your licence at least every 3 years after the issue of the licence, as



set out in Part 3.6 of the Act. You will receive advance notice of the licence review. For licences held immediately before 1 July 1999, the first review will take place before 1 July 2002.

Fees and annual return to be sent to the EPA

The licence requires you to forward to the EPA an Annual Return, comprising a Statement of Compliance and a summary of any monitoring required by the licence (including the recording of complaints).

The Annual Return must be submitted within 60 days after the end of each reporting period. Where a licence is transferred, surrendered or revoked, a special reporting period applies.

For each licence fee period you must pay:

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

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

See condition R1 and the accompanying form regarding the Annual Return requirements.

The EPA publication "A Guide to Licensing" contains information about how to calculate your licence fees.

Public register and access to monitoring data

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

- ☐ licence applications
- ☐ licence conditions and variations
- ☐ statements of compliance

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

Licence anniversary date

15-January

This licence is issued to

**SOUTH EASTERN SYDNEY AND HILLAWARRA AREA
HEALTH SERVICE
PO BOX 430
KOGARAH NSW 1485**

subject to the conditions which follow:

1 Administrative conditions

A1 What the licence authorises and regulates

A1.1 Not applicable.

A1.2 This licence authorises the carrying out of the scheduled activities listed below at the premises specified in A2. The activities are listed according to their scheduled activity classification, fee-based activity classification and the scale of the operation.

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

Scheduled Activity

Waste Activities

Fee Based Activity**Scale**

Hazardous, Industrial or Group A Waste Generation or Storage (73)	> 100 - 500 T
--	---------------

A1.3 Not applicable.

A2 Premises to which this licence applies

A2.1 The licence applies to the following premises:

Premises Details**ST GEORGE HOSPITAL****GRAY STREET****KOGARAH****NSW****2217****LOT 12 DP 800476**

A3 Other activities

A3.1 This licence applies to all other activities carried on at the premises, including:

Aircraft (helicopter) facilities

A4 Information supplied to the EPA

A4.1 Works and activities must be carried out in accordance with the proposal contained in the licence application, except as expressly provided by a condition of this licence.

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

- (a) the applications for any licences (including former pollution control approvals) which this licence replaces under the Protection of the Environment Operations (Savings and Transitional) Regulation 1998; and
- (b) the licence information form provided by the licensee to the EPA to assist the EPA in connection with the issuing of this licence.

2 Discharges to air and water and applications to land

P1 Location of monitoring/discharge points and areas

P1.1 Not applicable.

P1.2 Not applicable.

P1.3 Not applicable.

3 Limit conditions**L1 Pollution of waters**

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

L2 Load limits

L2.1 Not applicable.

L2.2 Not applicable.

L3 Concentration limits

L3.1 Not applicable.

L3.2 Not applicable.

L3.3 Not applicable.

L4 Volume and mass limits

L4.1 Not applicable.

L5 Waste

L5.1 The licensee must not cause, permit or allow any waste generated outside the premises to be received at the premises for storage, treatment, processing, reprocessing or disposal or any waste generated at the premises to be disposed of at the premises, except as expressly permitted by the

licence.

- L5.2 This condition only applies to the storage, treatment, processing, reprocessing or disposal of waste at the premises if those activities require an environment protection licence.

Except as provided by any other condition of this licence, only the hazardous and/or industrial and/or Group A waste listed below may be generated and/or stored at the premises.

Grease-trap waste ~~(R110)~~

Clinical and related wastes ~~(R100)~~

Waste pharmaceuticals, drugs and medicines ~~(R120)~~ and

Waste chemical substances arising from research and development or teaching activities, including those which are not identified and/or are new, and whose effects on human health and/or the environment are not known ~~(R100)~~

~~L5.3 The quantity of hazardous and/or industrial and/or Group A waste generated and/or stored on the premises must not exceed 500 tonnes per year.~~

L6 Noise Limits

- L6.1 Not applicable.

~~L7 Potentially offensive odour~~

~~L7.1 No condition of this licence identifies a potentially offensive odour for the purposes of section 129 of the Protection of the Environment Operations Act 1997.~~

~~Note: Section 129 of the Protection of the Environment Operations Act 1997, provides that the licensee must not cause or permit the emission of any offensive odour from the premises but provides a defence if the emission is identified in the relevant environment protection licence as a potentially offensive odour and the odour was emitted in accordance with the conditions of a licence directed at managing the odour.~~

4 Operating conditions

O1 Activities must be carried out in a competent manner

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

This includes:

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

- O1.2 The licensee must ensure that the handling, labelling, containment, internal transport, storage and disposal of clinical and related wastes are carried out in accordance with the "Waste Management

Guidelines for Health Care Facilities", 1998, issued by the NSW Department of Health. Further guidance in this matter may be taken from "Industry Code of Practice for the Management of Clinical and Related Wastes", July 1998, published by the Australian and New Zealand Clinical Waste Management Industry Group (ANZCWMIG).

O1.3 Without limiting to O1.2, the licensee must ensure that:

- (a) Containers that are to be reused must be thoroughly cleansed and disinfected with hospital strength disinfectant before being reused.
- (b) Where second hand containers are used, all other irrelevant markings must be removed or otherwise effectively destroyed.
- (c) Sharps are segregated by the use of enclosed rigid impenetrable containers, which comply with Australian Standards AS/NZS 4031-1992 (non-reusable containers) and 4261-1994 (reusable containers) and disposed of as clinical waste.
- (d) Sharps contaminated by cytotoxic waste are segregated by the use of enclosed rigid impenetrable containers, which comply with Australian Standards AS/NZS 4031-1992 (non-reusable containers) and classified as "Cytotoxic Waste-Sharp only" for disposal.
- (e) Pharmaceutical waste awaiting disposal must be stored in the same manner as pharmaceuticals in use. Storage requirements for pharmaceuticals are provided in the NSW Health Department documents: Circular 97/10 and 95/37.
- (f) Pharmaceutical waste is placed in non-reactive container and is not discharged to the sewer or through any other process where it may find its way into the environment.

A Radiation Safety Officer is responsible for the safe handling, storage and transport of radioactive waste.

Apart from any other condition(s) in this licence, the handling, storage and disposal of radioactive waste comply with the requirements of the "Radiation Control Act 1990" and where such requirements do not exist, the principles of National Health and Medical Research Council (NH&MRC) "Code of practice for the Disposal of Radioactive Wastes by the User", 1985 are used.

O2 Maintenance of plant and equipment

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

O3 Emergency response

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

O4 Processes and management

- O4.1 The licensee must ensure that any liquid and/or non liquid waste generated and/or stored at the premises is assessed and classified in accordance with the EPA Environmental Guidelines: Assessment, Classification and Management of Liquid and Non-Liquid Wastes, in force as at 1 July 1999.
- O4.2 The licensee must ensure that waste identified for recycling is stored separately from other waste.

O5 Monitoring of waste movements within NSW

- O5.1 Conditions O5.2 to O5.16 apply to the movement of the types of hazardous and/or industrial and/or Group A waste as listed in L5.3, within NSW.

Prerequisites for waste movements

- O5.2 If the waste is transported from the premises, the licensee must ensure that the waste is transported:
- (a) to a place which has been licensed by the EPA to issue consignment authorisation numbers; and
 - (b) to a place that can otherwise lawfully accept that class of waste.
- O5.3 If the waste is transported from the premises, the licensee must:
- (a) obtain a consignment authorisation number from the consignee;
 - (b) complete an approved waste data form in relation to the consigned waste in accordance with the instructions on the form and to the extent required, and give a copy of the form to the person transporting the waste;
 - (c) ensure that the waste data form:
 - (i) is completed accurately, and
 - (ii) is retained for a period of not less than 4 years from the time the form was completed, and
 - (iii) is made available for inspection by an authorised officer on request;
 - (d) ensure, if the waste is of such an amount as to require the person transporting it to be licensed, that the person transporting the waste is licensed.

Application for a consignment authorisation number

- O5.4 To obtain a consignment authorisation number as required by O5.3 (a), the licensee must apply in writing to the consignee. An application must include the following information:
- (a) a statement identifying the classification of the waste in accordance with the requirements of condition 04.1;
 - (b) copies of all information used to classify the waste;
 - (c) an estimate of the amount of waste to which the application applies;
 - (d) whether the consignment will consist a single load or multiple loads;
 - (e) an estimate of the total period required for transportation of the consignment;
 - (f) the date of dispatch of at least the first load in the consignment.

Note: The licensee may nominate the dates of dispatch of as many loads as is feasible. This should be discussed with the consignee and will depend on the predictability of the rate of generation of the

waste and the likelihood of the need for amendments to the dates nominated. If the waste is predictable, a schedule may be able to be submitted for the entire consignment, however if it is unpredictable, the date of only one future load may be able to be determined at a time (see also 05.9 about amending notified dates).

Note: The requirement for a written application for a consignment authorisation number does not preclude preliminary contact to obtain quotes and/or advice. Such preliminary contact does not require the formal provision of the above information that need only be supplied in the formal application.

O5.5 Once an application for a consignment authorisation number, as set out in 05.4 has been submitted, the licensee must not submit an application for the same consignment to another consignee until notification is received concerning the outcome of the application.

Notification of dates of dispatch of the second and subsequent loads in a consignment.

O5.6 The licensee must provide the consignee with written notification of the date of dispatch of each load of waste.

O5.7 The notification referred to in 05.6 must be received by consignee no later than the date of arrival of the preceding load at the destination.

Notification of a final load in a consignment.

O5.8 Unless the movement of an entire consignment of waste occurs in a single load, by the time the final load in a consignment is accepted at the destination, the licensee must have informed the consignee in writing, that no further loads are to be dispatched under that consignment authorisation number.

Note: The notifications referred to in conditions 05.6 and 05.8 may be attached to the waste data form of the preceding load.

Amendments to the nominated date(s) of dispatch

O5.9 If the date of dispatch for a load of waste is changed, the licensee must give written notification of this to the consignee and nominate a revised date of dispatch.

O5.10 A notification referred to in 05.9 must occur on or before the date of delivery as previously nominated.

Note: More than one amendment to dates of dispatch may occur.

Cancellation of consignment authorisations

O5.11 If the licensee determines that the delivery of a consignment of waste is to be discontinued for any reason, the consignee must be notified in writing before the nominated date of dispatch of the next expected load.

Notification of delayed delivery by transporter

- O5.12 If the licensee receives written notification from a transporter who removed waste from the premises specifying a revised date of delivery to the destination which is more than 7 days after the date of dispatch, the licensee must note and record that date.

Record keeping

- O5.13 The licensee must record and retain all information related to each consignment of waste.

Note: This includes waste data forms and copies of other documents such as notifications of revised delivery dates, regular and other reports, etc.

- O5.14 The records referred to in 05.13 must be kept so that:
- (a) all records relating to individual consignment authorisation numbers are kept physically together;
 - (b) consignments transported by each transporter can be readily identified and accessed; and
 - (c) consignments sent to each destination can readily be identified and accessed.

Note: The licensee must keep all information for at least 4 years.

Exception reporting

- O5.15 The licensee must notify the EPA, in writing, within 48 hours of becoming aware of any suspected breaches of the Act, the Protection of the Environment Operations (Waste) Regulation 1996 or this licence.

- O5.16 The licensee must notify the EPA in writing within 48 hours of becoming aware of any of the following:
- (a) the refusal by a person to whom the licensee has applied for a consignment authorisation number in accordance with 05.4 to issue such a number;
 - (b) the refusal of a transporter to transport waste after arriving at the licensee's premises for the purposes of transporting that waste;
 - (c) a transporter who transports, or attempts to transport, waste without a waste data form completed to the extent required;
 - (d) the refusal of a consignee to accept waste from the licensee;
 - (e) the failure of the licensee to receive written confirmation of receipt of waste from a consignee within 21 days of dispatch, or where a transporter has provided written notification of a revised date of delivery as set out in 05.12 within 21 days of that date;
 - (f) the notification by a transporter of a revised date of delivery which is more than 90 days after the date of dispatch of the waste.

Note: The EPA should be notified of exception reports by sending a facsimile to:

Manager, Hazardous Waste Regulation

NSW Environment Protection Authority

O6 Monitoring of interstate movements of controlled wastes

- O6.1 Conditions O6.2 to O6.11 apply to the movement of the types of hazardous and/or industrial and/or Group A waste as listed in L5.3, into and out of NSW.

Note: The requirements of the NEPM apply to the interstate movement of any of the wastes listed in Appendix 1 of this licence.

Classification of controlled waste

- O6.2 The licensee must accurately identify the waste, in accordance with 04.1, and determine if the waste is a controlled waste within the meaning of the NEPM.

Note: The waste producer must check with the agency in the State or Territory of destination to determine whether waste is classified as a controlled waste under the NEPM. Unless advised otherwise by the agency of the State or Territory of destination, any waste included in Appendix 1 of this licence is a controlled waste for the purposes of the NEPM.

Application for a consignment authorisation

- O6.3 If the waste is transported from the premises to another participating State or Territory, the licensee must comply with all conditions attached to the consignment authorisation issued by an agency or a facility delegated by an agency in the destination State or Territory.

Note: The waste producer is required by the Protection of the Environment Operations (Waste) Regulation 1996 to obtain, prior to the waste being dispatched, a consignment authorisation from an agency, or a facility delegated by an agency, in the destination State or territory to allow the movement of controlled waste.

Waste movements

- O6.4 If the waste is transported from the premises to another participating State or Territory, the licensee must ensure that the waste is transported to a place that can lawfully be used as a waste facility for that waste.

- O6.5 The licensee must ensure that the waste transporter is licensed as required by the agency of each participating State or Territory through which the waste is transported.

- O6.6 The licensee must:
- (a) retain a copy of the waste transport certificate for the waste for a period of not less than 4 years from the time the form was completed, and
 - (b) make the copy of the waste transport certificate available for inspection by an authorised officer on request.

Note: The waste producer is required by the Protection of the Environment Operations (Waste) Regulation 1996 to complete a waste transport certificate for the waste. This should be done in accordance with the instructions printed on the certificate and the required copy of the waste transport certificate should be forwarded to the agency in the State of destination.

Notification of delayed delivery by transporter

- O6.7 If the licensee receives written notification from the transporter who removed waste from the licensee's premises specifying a revised date of delivery to the destination which is more than 7 days after the date of dispatch, the licensee must note and record that date.

Record keeping

- O6.8 The licensee must record and retain all information related to each consignment of waste.

Note: This includes the waste transport certificates and copies of other documents such as consignment authorisations issued by an agency in the destination State or Territory, notifications of revised delivery dates by transporters, regular and other reports, etc.

- O6.9 The records referred to in O6.8 must be kept so that:
- (a) all records relating to each consignment authorisation are kept physically together;
 - (b) consignments transported by each transporter can be readily identified and accessed, and
 - (c) consignments sent to each destination can readily be identified and accessed.

Note: The licensee must keep all information for at least 4 years.

Exception reporting

- O6.10 The licensee must notify the EPA in writing within 48 hours of becoming aware of a suspected breach of the Act, the Protection of the Environment Operations (Waste) Regulation 1996 or this licence.

- O6.11 The licensee must notify the EPA in writing within 48 hours of becoming aware of any of the following:
- (a) the refusal by an agency, or facility delegated by an agency, in participating State or Territory to whom the licensee has applied for a consignment authorisation in accordance with O6.3, to issue such an authorisation;
 - (b) the refusal of a transporter to transport waste after arriving at the licensee's premises for the purposes of transporting that waste to another participating State or Territory to the extent required;
 - (c) a transporter who transports, or attempts to transport, waste to another participating State or Territory without a waste transport certificate completed to the extent required;
 - (d) the refusal of a destination in another participating State or Territory to accept from the licensee waste for which a consignment authorisation has been issued;
 - (e) the failure of the licensee to receive written confirmation of receipt of waste from a destination in another participating State or Territory within 28 days of dispatch.

Note: The EPA should be notified of exception reports by sending a facsimile to:

Manager, Hazardous Waste Regulation
NSW Environment Protection Authority

5 Monitoring and recording conditions

M1 Monitoring records

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

M2 Requirement to monitor concentration of pollutants discharged

- M2.1 Not applicable.

M3 Testing methods - concentration limits

- M3.1 Not applicable.

- M3.2 Not applicable.

M4 Recording of pollution complaints

- M4.1 The licensee must keep a legible record of all complaints made to the licensee or any employee or agent of the licensee in relation to pollution arising from any activity to which this licence applies.
- M4.2 The record must include details of the following:
- (a) the date and time of the complaint;
 - (b) the method by which the complaint was made;
 - (c) any personal details of the complainant which were provided by the complainant or, if no such details were provided, a note to that effect;
 - (d) the nature of the complaint;
 - (e) the action taken by the licensee in relation to the complaint, including any follow-up contact with the complainant; and
 - (f) if no action was taken by the licensee, the reasons why no action was taken.

M4.3 The record of a complaint must be kept for at least 4 years after the complaint was made.

M4.4 The record must be produced to any authorised officer of the EPA who asks to see them.

M5 Telephone complaints line

M5.1 The licensee must operate during its operating hours a telephone complaints line for the purpose of receiving any complaints from members of the public in relation to activities conducted at the premises or by the vehicle or mobile plant, unless otherwise specified in the licence.

M5.2 The licensee must notify the public of the complaints line telephone number and the fact that it is a complaints line so that the impacted community knows how to make a complaint.

M5.3 Conditions M5.1 and M5.2 do not apply until 3 months after:
(a) the date of the issue of this licence or
(b) if this licence is a replacement licence within the meaning of the Protection of the Environment Operations (Savings and Transitional) Regulation 1998, the date on which a copy of the licence was served on the licensee under clause 10 of that regulation.

M6 Requirement to monitor volume or mass

M6.1 Not applicable.

6 Reporting conditions

R1 Annual return documents

What documents must an Annual Return contain?

R1.1 The licensee must complete and supply to the EPA an Annual Return in the approved form comprising:
(a) a Statement of Compliance; and
(b) a Monitoring and Complaints Summary.
A copy of the form in which the Annual Return must be supplied to the EPA accompanies this licence. Before the end of each reporting period, the EPA will provide to the licensee a copy of the form that must be completed and returned to the EPA.

Period covered by Annual Return

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

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

- R1.3 Where this licence is transferred from the licensee to a new licensee,
- (a) the transferring licensee must prepare an Annual Return for the period commencing on the first day of the reporting period and ending on the date the application for the transfer of the licence to the new licensee is granted; and
 - (b) the new licensee must prepare an Annual Return for the period commencing on the date the application for the transfer of the licence is granted and ending on the last day of the reporting period.

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

- R1.4 Where this licence is surrendered by the licensee or revoked by the EPA or Minister, the licensee must prepare an Annual Return in respect of the period commencing on the first day of the reporting period and ending on
- (a) in relation to the surrender of a licence - the date when notice in writing of approval of the surrender is given; or
 - (b) in relation to the revocation of the licence - the date from which notice revoking the licence operates.

Deadline for Annual Return

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

Notification where actual load can not be calculated

- R1.6 Not applicable.

Licensee must retain copy of Annual Return

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

Certifying of Statement of Compliance and Signing of Monitoring and Complaints Summary

- R1.8 Within the Annual Return, the Statement of Compliance must be certified and the Monitoring and Complaints Summary must be signed by:
- (a) the licence holder; or
 - (b) by a person approved in writing by the EPA to sign on behalf of the licence holder.
- R1.9 A person who has been given written approval to certify a certificate of compliance under a licence issued under the Pollution Control Act 1970 is taken to be approved for the purpose of this condition until the date of first review of this licence.

R2 Notification of environmental harm

Note: The licensee or its employees must notify the EPA of incidents causing or threatening material harm to the environment as soon as practicable after the person becomes aware of the incident in accordance with the requirements of Part 5.7 of the Act.

- R2.1 Notifications must be made by telephoning the EPA's Pollution Line service on 131 555.

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

R3 Written report

- R3.1 Where an authorised officer of the EPA suspects on reasonable grounds that:
- (a) where this licence applies to premises, an event has occurred at the premises; or
 - (b) where this licence applies to vehicles or mobile plant, an event has occurred in connection with the carrying out of the activities authorised by this licence,
- and the event has caused, is causing or is likely to cause material harm to the environment (whether the harm occurs on or off premises to which the licence applies), the authorised officer may request a written report of the event.
- R3.2 The licensee must make all reasonable inquiries in relation to the event and supply the report to the EPA within such time as may be specified in the request.
- R3.3 The request may require a report which includes any or all of the following information:
- (a) the cause, time and duration of the event;
 - (b) the type, volume and concentration of every pollutant discharged as a result of the event;
 - (c) the name, address and business hours telephone number of employees or agents of the licensee, or a specified class of them, who witnessed the event; and
 - (d) the name, address and business hours telephone number of every other person (of whom the licensee is aware) who witnessed the event, unless the licensee has been unable to obtain that information after making reasonable effort;
 - (e) action taken by the licensee in relation to the event, including any follow-up contact with any complainants;
 - (f) details of any measure taken or proposed to be taken to prevent or mitigate against a recurrence of such an event;
 - (g) any other relevant matters.
- R3.4 The EPA may make a written request for further details in relation to any of the above matters if it is not satisfied with the report provided by the licensee. The licensee must provide such further details to the EPA within the time specified in the request.

R4 Regular reporting of transportation of certain wastes within NSW

- R4.1 Conditions R4.2 to R4.5 apply to the transport of hazardous and/or industrial and/or Group A waste within NSW.

Regular reporting

- R4.2 The licensee must supply to the EPA, for each transporter that transported waste from the licensee's premises, the information as set out in Appendix 2, table 1.
- R4.3 The licensee must supply to the EPA, for each destination within NSW which received waste from the licensee, the information as set out in Appendix 2, table 2.

Reporting periods

- R4.4 Reports to the EPA in accordance with R4.2 and R4.3 shall be supplied on or before:
- (a) 30 April for the reporting of information relating to wastes transported from the premises between 1 January and 31 March of that year;
 - (b) 31 July for the reporting of information relating to wastes transported from the premises between 1 April and 30 June of that year;
 - (c) 31 October for the reporting of information relating to wastes transported from the premises between 1 July and 30 September of that year;
 - (d) 31 January for the reporting of information relating to wastes transported from the premises between 1 October and 31 December of the previous year.

Nil reports

- R4.5 If waste has not been transported from the premises in any reporting period as set out in R4.4 the EPA must be advised in writing by the licensee, by the dates referred to in R4.4 in lieu of reporting as required in R4.2 and R4.3.

R5 Regular reporting of interstate movements of controlled wastes

- R5.1 Conditions R5.2 to R5.5 apply to the movement of hazardous and/or industrial and/or Group A waste as listed in L5.3, into and out of NSW.

Note: The requirements of the NEPM apply to the interstate movement of any of the wastes listed in Appendix 1 of this licence.

Regular reporting

- R5.2 The licensee must supply to the EPA, for each transporter that transported waste from the premises to a destination in another participating State or Territory, the information as set out in Appendix 2, table 3.

Reporting periods

- R5.3 Reports to the EPA in accordance with R5.2 shall be supplied on or before:
- (a) 30 April for the reporting of information relating to wastes transported from the premises between 1 January and 31 March of that year;
 - (b) 31 July for the reporting of information relating to wastes transported from the premises between 1 April and 30 June of that year;
 - (c) 31 October for the reporting of information relating to wastes transported from the premises between 1 July and 30 September of that year;
 - (d) 31 January for the reporting of information relating to wastes transported from the premises between 1 October and 31 December of the previous year.

Nil reports

- R5.4 If waste has not been transported from the premises in any reporting period as set out in R5.3, the EPA must be advised in writing by the licensee, by the dates referred to in R5.3 in lieu of reporting as defined in R5.2.

Interstate transport of controlled wastes

- R5.5 The licensee must comply with the requirements of the NEPM.

General conditions

G1 Copy of licence kept at the premises

- G1.1 A copy of this licence must be kept at the premises to which the licence applies.
- G1.2 The licence must be produced to any authorised officer of the EPA who asks to see it.
- G1.3 The licence must be available for inspection by any employee or agent of the licensee working at the premises.

Pollution studies and reduction programs

- U1.1 Not applicable.

Special conditions

- E1.1 Not applicable.

Appendices

APPENDIX 1

WASTE DESCRIPTIONS AND CORRESPONDING WASTE CODES

The waste descriptions and waste codes shown below must be used to identify hazardous, industrial and Group A wastes on the waste data form for movements of those wastes within NSW, and to identify controlled wastes on the waste transport certificate for those wastes moved between NSW and other States and Territories. The waste codes must also be used to identify wastes when reporting the information required in the Tables in Appendix 2.

Description	Waste Code	Description	Waste Code
Acidic solutions or acids in solid form	B100	Organohalogen compounds - other than substances referred to in this list	M160
Animal effluent and residues (abattoir effluent, poultry and fish processing wastes)	K100	Perchlorates	D340
Antimony; antimony compounds	D170	Phenols, phenol compounds including chlorophenols	M150
Arsenic; arsenic compounds	D130	Phosphorus compounds excluding mineral phosphates	D360
Asbestos	N220	Polychlorinated dibenzo-furan (any congener)	M170
Barium compounds (excluding barium sulphate)	D290	Polychlorinated dibenzo-p-dioxin (any congener)	M180
Basic solutions or bases in solid form	C100	Residues from industrial waste treatment/disposal operations	T190
Beryllium; beryllium compounds	D160	Selenium; selenium compounds	D240
Boron compounds	D310	Sewage sludge and residues including nightsoil and septic tank sludge	K130
Cadmium; cadmium compounds	D150	Soils contaminated with a controlled waste	N120
Ceramic-based fibres with physico-chemical characteristics similar to those of asbestos	N230	Surface active agents (surfactants), containing principally organic constituents and which may contain metals and inorganic materials	M250
Chlorates	D350	Tannery wastes (including leather dust, ash, sludges and flours)	K140
Chromium compounds (hexavalent and trivalent)	D140	Tellurium; tellurium compounds	D250
Clinical and related wastes	R100	Thallium; thallium compounds	D180
Cobalt compounds	D200	Triethylamine catalysts for setting foundry sands	M230
Containers and drums which are contaminated with residues of substances referred to in this list	N100	Tyres	T140
Copper compounds	D190	Vanadium compounds	D270
Cyanides (inorganic)	A130	Waste chemical substances arising from research and development or teaching activities including those which are not identified and/or are new and whose effects on human health and/or the environment are not known	T100
Cyanides (organic)	M210	Waste containing peroxides other than hydrogen peroxide	E100
Encapsulated, chemically-fixed, solidified or polymerised wastes	N160	Waste from heat treatment and tempering operations containing cyanides	A110
Ethers	G100	Waste from manufacture, formulation and use of wood-preserving chemicals	H170
Filter cake	N190	Waste from the production, formulation and use of biocides and phytopharmaceuticals	H100
Fire debris and fire washwaters	N140	Waste from the production, formulation and use of inks, dyes, pigments, paints, lacquers and varnish	F100
Fly ash	N150	Waste from the production, formulation and use of organic solvents	G160
Grease trap waste	K110	Waste from the production, formulation and use of photographic chemicals and processing materials	T120

Halogenated organic solvents	G150	photographic chemicals and processing materials	
Highly odorous organic chemicals (including mercaptans and acrylates)	M260	Waste from the production, formulation and use of resins, latex, plasticisers, glues and adhesives	F110
Inorganic fluorine compounds excluding calcium fluoride	D110	Waste from the production and preparation of pharmaceutical products	R140
Inorganic sulfides	D330	Waste mineral oils unfit for their original intended use	J100
Isocyanate compounds	M220	Waste oil/water, hydrocarbons/water mixtures or emulsions	J120
Lead; lead compounds	D220	Waste pharmaceuticals, drugs and medicines	R120
Mercury; mercury compounds	D120	Waste resulting from surface treatment of metals and plastics	A100
Metal carbonyls	D100	Waste tarry residues arising from refining, distillation, and any pyrolytic treatment	J160
Nickel compounds	D210	Waste substances and articles containing or contaminated with polychlorinated biphenyls, polychlorinated naphthalenes, polychlorinated terphenyls and/or polybrominated biphenyls	M100
Non toxic salts	D300		
Organic phosphorous compounds	H110		
Organic solvents excluding halogenated solvents	G110	Wool scouring wastes	K190
		Zinc compounds	D230

APPENDIX 2**Table 1**

[Table 1 refers to the regular reporting requirements in R4.2. Its purpose is to provide information on the total amount of waste moved by each transporter from waste activities in NSW.]

1. The licensee must provide a copy of the information in the following table for each transporter used by the licensee in the reporting period.

Waste Activities Table 1: Waste Movements By Transporter and Waste Category			
Name of Licensed Waste Activity:		Waste Activity Licence No.:	
Reporting Period:		ANZSIC Code for Waste Activity:	
Name of Transporter:		Licence No. of Transporter	
Waste class	Waste Code	Amount of Waste Transported in Reporting Period (tonnes)	
Hazardous Non-Liquid Waste	Code for each waste of this class	Total Weight for waste of each code	
Hazardous Liquid Waste	Code	Weight	
	Code	Weight	
Industrial Non-Liquid Waste	Code	Weight	
	Code	Weight	
Group A Liquid Waste	Code	Weight	



	Code	Weight
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[NOTES: **Waste code** refers to the codes listed in Appendix 1 of this licence and entered on the waste transport certificates.

Waste class refers to the classification of waste in accordance with Appendix 1 of the Protection of the Environment Operations Act 1997 and its regulations.

ANZSIC code means the Australian and New Zealand Standard Industrial Classification code published by the Australian Bureau of Statistics.]

Table 2:

[Table 2 refers to the reporting requirements in R4.3. Its purpose is to provide information on the total amount of waste sent to each destination within NSW. Cross referencing by ANZSIC code provides data on which types of industry are sending wastes to disposal and treatment facilities.]

1. The licensee must provide a copy of the information in the following table for each destination within NSW used by the licensee in the reporting period for the purposes of the receipt of controlled waste.

Waste Activities Table 2: Waste Movements By Destination (within NSW) and Waste Category			
Name of Licensed Waste Activity:		Waste Activity Licence No.:	
Reporting Period:		ANZSIC Code for Waste Activity	
Destination:			
Waste class	Waste Code	Amount of Waste Transported in Reporting Period (tonnes)	
Hazardous Non-Liquid Wastes	Code for each waste of this class	Total Weight for waste of each code	
	Code	Weight	
Industrial Non-Liquid Wastes	Code	Weight	
	Code	Weight	
Hazardous Liquid Wastes	Code	Weight	
	Code	Weight	
Group A Liquid Wastes	Code	Weight	

NOTES:

Waste code refers to the codes listed in Appendix 1 of this licence and entered on waste data forms.

Waste class refers to the classification of waste in accordance with Schedule 1 of the Protection of the Environment Operations Act 1997 and its regulations.

ANZSIC code means the Australian and New Zealand Standard Industrial Classification code published by the Australian Bureau of Statistics.

Table 3:

[Table 3 refers to the regular reporting requirements in R5.2. Its purpose is to provide information on the total amounts of controlled wastes sent from NSW licensed waste activities to other States and Territories. Cross-referencing by ANZSIC code allows data on which types of industries are sending wastes interstate.]

1. The licensee must provide a copy of the information in the following table for each destination outside NSW used by the licensee in the reporting period for the purposes of the receipt of controlled waste.

Waste Activities Table 3: Controlled Waste Movements By Interstate Destination and Waste Category			
Name of Licensed Waste Activity:		Waste Activity Licence No.:	
Reporting Period:		ANZSIC Code Waste Activity:	
Destination State or Territory:		Destination Facility	
Waste class	Waste Code	Amount of Waste Transported in Reporting Period (tonnes)	
Hazardous Non-Liquid Waste	Code for each waste of this type	Total Weight for waste of this code	
	Code	Weight	
Industrial Non-Liquid Waste	Code	Weight	
	Code	Weight	
Hazardous Liquid Waste	Code	Weight	
	Code	Weight	
Group A Liquid Waste	Code	Weight	

Other Types of Waste (eg Group B and C Liquid Wastes, Used Tyres)	Code	Weight
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[NOTES: **Waste code** refers to the codes listed in Appendix 1 of this licence and entered on the waste transport certificates.

Waste class refers to the classification of waste in accordance with Appendix 1 of the Protection of the Environment Operations Act 1997 and its regulations.

ANZSIC code means the Australian and New Zealand Standard Industrial Classification code published by the Australian Bureau of Statistics.]

Dictionary

General Dictionary

In this licence, unless the contrary is indicated, the terms below have the following meanings:

3DGM [in relation to a concentration limit]	Means the three day geometric mean, which is calculated by multiplying the results of the analysis of three samples collected on consecutive days and then taking the cubed root of that amount. Where one or more of the samples is zero or below the detection limit for the analysis, then 1 or the detection limit respectively should be used in place of those samples
Act	Means the Protection of the Environment Operations Act 1997
activity	Means a scheduled or non-scheduled activity within the meaning of the Protection of the Environment Operations Act 1997
actual load	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 1998
AMG	Australian Map Grid
anniversary date	The anniversary date is the anniversary each year of the date of issue of the licence. In the case of a licence continued in force by the Protection of the Environment Operations Act 1997, the date of issue of the licence is the first anniversary of the date of issue or last renewal of the licence following the commencement of the Act.
annual return	Is defined in R1.1
Approved Methods Publication	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 1998
assessable pollutants	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 1998
BOD	Means biochemical oxygen demand
COD	Means chemical oxygen demand
composite sample	Unless otherwise specifically approved in writing by the EPA, a sample consisting of 24 individual samples collected at hourly intervals and each having an equivalent volume.
cond.	Means conductivity
environment	Has the same meaning as in the Protection of the Environment Operations Act 1997
environment protection legislation	Has the same meaning as in the Protection of the Environment Administration Act 1991
EPA	Means Environment Protection Authority of New South Wales.
fee-based activity classification	Means the numbered short descriptions in Schedule 1 of the Protection of the Environment Operations (General) Regulation 1998.
flow weighted composite sample	Means a sample whose composites are sized in proportion to the flow at each composites time of collection.
grab sample	Means a single sample taken at a point at a single time
hazardous waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997

industrial waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
inert waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
licensee	Means the licence holder described at the front of this licence
load calculation protocol	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 1998
local authority	Has the same meaning as in the Protection of the Environment Operations Act 1997
material harm	Has the same meaning as in section 147 Protection of the Environment Operations Act 1997
MBAS	Means methylene blue active substances
Minister	Means the Minister administering the Protection of the Environment Operations Act 1997
mobile plant	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
motor vehicle	Has the same meaning as in the Protection of the Environment Operations Act 1997
O&G	Means oil and grease
percentile [in relation to a concentration limit of a sample]	Means that percentage [eg.50%] of the number of samples taken that must meet the concentration limit specified in the licence for that pollutant over a specified period of time. In this licence, the specified period of time is the Reporting Period unless otherwise stated in this licence.
plant	Includes all plant within the meaning of the Protection of the Environment Operations Act 1997 as well as motor vehicles.
pollution of waters [or water pollution]	Has the same meaning as in the Protection of the Environment Operations Act 1997
premises	Means the premises described in condition A2.1
public authority	Has the same meaning as in the Protection of the Environment Operations Act 1997
regional office	Means the relevant EPA office referred to in the Contacting the EPA document accompanying this licence
reporting period	For the purposes of this licence, the reporting period means the period of 12 months after the issue of the licence, and each subsequent period of 12 months. In the case of a licence continued in force by the Protection of the Environment Operations Act 1997, the date of issue of the licence is the first anniversary of the date of issue or last renewal of the licence following the commencement of the Act.
reprocessing of waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
scheduled activity	Means an activity listed in Schedule 1 of the Protection of the Environment Operations Act 1997
solid waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
treatment of waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
TSP	Means total suspended particles
TSS	Means total suspended solids
utilisation area	Means any area shown as a utilisation area on a map submitted with the application for this licence

waste	Has the same meaning as in the Protection of the Environment Operations Act 1997
waste code	Means the waste codes listed in Appendix 5 of the EPA document A Guide to Licensing Part B.
waste type	Means Group A, Group B, Group C, inert, solid, industrial or hazardous waste

Model Licence Dictionary

In this licence, unless the contrary is indicated, the terms below have the following meanings:

Agency	A body or bodies of a participating State or a participating Territory which that State or Territory has nominated for the purposes of the NEPM.
Chemical control order (CCO)	An order under sections 22 and 23 of the Environmentally Hazardous Chemicals Act 1985.
Consignee	The person to whom the waste is dispatched, and includes: (a) in the case of a waste facility that is licensed - the occupier; (b) in the case of a person carrying on mobile waste processing that is licensed - the person operating the mobile place; (c) in the case of a place that can be otherwise lawfully be used as a waste facility for that waste - the owner or occupier of that place.
Consignment	One or more shipments of a specified waste dispatched to a particular destination.
Consignment authorisation	An approval which includes a unique identifier granted by an agency, or a facility delegated by an agency, in the jurisdiction of destination to allow the movement of controlled waste.
Controlled waste	Any waste included in List 1 of Schedule A of the NEPM, provided that the waste possesses one or more of the characteristics in List 2, of Schedule A of the NEPM.
Date of dispatch	The date on which a load of waste is removed from the premises.
Destination	Where hazardous, industrial or Group A wastes are transported within NSW, the place described in the waste data form as the destination for the waste. Where controlled wastes are transported between NSW and another participating State or Territory, the place described in Part 3 of the waste transport certificate as the facility receiving the waste.
Facility	A place where controlled wastes are received.
Facility Operator	A person in charge of a facility.
Jurisdiction of destination	In relation to a particular consignment of waste means the State or Territory in which the facility is located to which the waste is intended to be transported.
Load	The amount of a consignment of waste placed on a vehicle for any single dispatch from the premises at which it was generated or stored.
Load number	A consecutive number identifying each load of waste within a consignment and starting with 1 for the first load of each consignment. One or more loads may make up a consignment.
NEPM	The National Environment Protection (Movement of Controlled Wastes between States and Territories) Measure 1998.



Non-liquid waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997.
Participating State or Territory	A State or Territory that is (a) a party to the Intergovernmental Agreement on the Environment made on 1 May 1992 between the Commonwealth, the States, the Australian Capital Territory, the Northern Territory and the Australian Local Government Association, a copy of which is set out in the Schedule to the Commonwealth Act; and (b) in which an Act that corresponds to the National Environment Protection Council Act 1994 of the Commonwealth is in force in accordance with the Agreement.
Recycling of waste	The processing of waste into a similar non-waste product.
Regulation	The Protection of the Environment Operations (Waste) Regulation 1996.
Transporter	A person responsible for moving controlled wastes either from one participating State or Territory to another or through participating States or Territories.
Waste activity	An activity, whether required to be licensed or not, carried on for business or other commercial purposes, that involves the generating or storage of any of the following waste classes: (a) hazardous waste, (b) industrial waste, (c) Group A waste.
Waste class	Means either hazardous, industrial or Group A waste.
Waste data form	A certificate in the form approved by the EPA.
Waste guidelines	The document called <i>"Environmental Guidelines: Assessment, Classification and Management of Liquid and Non-Liquid Wastes"</i> issued by the EPA and in force as at 1 July 1999.
Waste producer	Means the licensee.
Waste transport certificate	A certificate in the form approved by the EPA as fulfilling the requirements of Schedule B of the National Environment Protection (Movement of Controlled Wastes between States and Territories) Measure 1998.

Ms Nadia Kanhoush

Principal Air Program Officer
Environment Protection Authority



(By Delegation)

Date of this edition - 17-Nov-2002

Licence Variation

Section 58(5) Protection of the Environment Operations Act 1997

End Notes

- 1 Licence varied by Change of Contact details, issued on 13-Mar-2002, which came into effect on 13-Mar-2002.
 - 2 Licence varied by notice 1018718, issued on 23-Oct-2002, which came into effect on 17-Nov-2002.
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APPENDIX D

(Sampling Protocols and QA/QC Definitions)



SOIL AND GROUNDWATER SAMPLING PROTOCOLS

These protocols specify the basic procedures to be used when sampling soils or groundwater for environmental site assessments undertaken by EIS. The purpose of these protocols is to provide standard methods for: sampling, decontamination procedures for sampling equipment, sample preservation, sample storage and sample handling. Deviations from these procedures must be recorded.

Soil Sampling

- a) Prepare a test pit/borehole log.
- b) Layout sampling equipment on clean plastic sheeting to prevent direct contact with ground surface. The work area should be at a distance from the drill/rig excavator such that the drill rig/excavator can operate in a safe manner.
- c) Ensure all sampling equipment has been decontaminated prior to use.
- d) Remove any surface debris from the immediate area of the sampling location.
- e) Collect samples and place in glass jar with a Teflon seal. This should be undertaken as quickly as possible to prevent the loss of volatiles. If possible, fill the glass jars completely.
- f) Collect samples for asbestos analysis and place in a zip-lock plastic bag.
- g) Label the jar and/or bag with the EIS job number, sample location (eg. BH1), sampling depth interval and date. If more than one sample container is used, this should also be indicated (eg. 2 = Sample jar 1 of 2 jars).
- h) Photoionisation detector (PID) screening of volatile organic compounds (VOCs) should be undertaken on samples using the soil sample headspace method. Headspace measurements are taken following equilibration of the headspace gasses in partly filled zip-lock plastic bags. PID headspace data is recorded on the borehole/test pit log and the chain of custody forms.
- i) Record the lithology of the sample and sample depth on the borehole/test pit log in accordance with AS1726-1993²⁷.
- j) Store the sample in a sample container cooled with ice or chill packs. On completion of the sampling the sample container should be delivered to the lab immediately or stored in the refrigerator prior to delivery to the lab. All samples are preserved in accordance with AS 4482.1:2005, AS 4482.2:1999 and AS/NZS 5667.1:1998.
- k) Check for the presence of groundwater after completion of each borehole using an electronic dip metre or water whistle. Boreholes should be left open until the end of fieldwork. All groundwater levels in the boreholes should be rechecked on the completion of the fieldwork.

²⁷ *Geotechnical Site Investigations*, Standards Australia 1993 (AS1726-1993)



- l) Backfill the boreholes/test pits with the excavation cuttings or clean sand prior to leaving the site.

Decontamination Procedures for Soil Sampling Equipment

- a) All of the equipment associated with the soil sampling procedure should be decontaminated between every sampling location.
- b) The following equipment and materials are required for the decontamination procedure:
 - Phosphate free detergent (Decon 90)
 - Potable water
 - Stiff brushes
 - Plastic sheets
- c) Ensure the decontamination materials are clean prior to proceeding with the decontamination.
- d) Fill both buckets with clean potable water and add phosphate free detergent to one bucket.
- e) In the bucket containing the detergent scrub the sampling equipment until all the material attached to the equipment has been removed.
- f) Rinse sampling equipment in the bucket containing potable water.
- g) Place cleaned equipment on clean plastic sheets.

If all materials are not removed by this procedure, high-pressure water cleaning is recommended. If any equipment is not completely decontaminated by both these processes that equipment should not be used until it has been thoroughly cleaned.

Groundwater Sampling

Groundwater samples are more sensitive to contamination than soil samples and therefore adherence to this protocol is particularly important to obtain reliable, reproducible results. The recommendations detailed in AS/NZS 5667.1:1998 are considered to form a minimum standard.

The basis of this protocol is to maintain the security of the borehole and obtain accurate and representative groundwater samples. The following procedure should be used for collection of groundwater samples from previously installed groundwater monitoring wells.

- a) After monitoring well installation, at least three bore volumes should be pumped from the monitoring wells (well development) to remove any water introduced during the drilling process and/or the water that is disturbed during installation of the monitoring well. This should be completed prior to purging and sampling.



- b) Groundwater monitoring wells should then be left to recharge for at least three days before purging and sampling. Prior to purging or sampling the condition of each well should be observed and any anomalies recorded on the field data sheets. The following information should be noted: the condition of the well, noting any signs of damage, tampering or complete destruction; the condition and operation of the well lock; the condition of the protective casing and the cement footing (raised or cracked); and, the presence of water between protective casing and well.
- c) Take the groundwater level from the collar of the piezometer/monitoring well using an electronic dip meter. The collar level should be taken (if required) during the site visit using a dumpy level and staff.
- d) Purging and sampling of piezometers/monitoring wells is done on the same site visit when using micro-purge (or low flow) techniques. Layout and organize all equipment associated with groundwater sampling in a location where they will not interfere with the sampling procedure and will not pose a risk of contaminating samples. Equipment generally required includes:
 - Micropore filtration system or Stericup single-use filters (for heavy metals samples).
 - Filter paper for Micropore filtration system.
 - Bucket with volume increments.
 - Sample containers: teflon bottles with 1 ml nitric acid, 75mL glass vials with 1 mL hydrochloric acid, 1 L amber glass bottles.
 - Bucket with volume increments.
 - Flow cell.
 - pH/EC/Eh/T meters.
 - Plastic drums used for transportation of purged water.
 - Esky and ice.
 - Nitrile gloves.
 - Distilled water (for cleaning).
 - Electronic dip meter.
 - Micro-purge pump pack and pump head.
 - Air and water tubing for Micro-purge.
 - Groundwater sampling forms.
- e) If single-use stericup filtration is not being used, clean the Micropore filtration system thoroughly with distilled water prior to use and between each sample. Filter paper should be changed between samples. 0.45um filter paper should be placed below the glass fibre filter paper in the filtration system.
- f) Ensure all non-disposable sampling equipment is decontaminated or that new disposable equipment is available prior to any work commencing at a new location. The procedure for decontamination of groundwater equipment is outlined at the end of this section.



- g) Disposable gloves should be used whenever samples are taken to protect the sampler and to assist in avoidance of contamination.
- h) Groundwater samples are obtained from the monitoring wells using low flow/micro-purge sampling equipment to reduce the disturbance of the water column and loss of volatiles.
- i) During pumping to purge the well, the pH, temperature, conductivity, dissolved oxygen, redox potential and groundwater levels are monitored (where possible) using calibrated field instruments to assess the development of steady state conditions. Steady state conditions are generally considered to have been achieved when the difference in the pH measurements was less than 0.2 units and the difference in conductivity was less than 10%.
- j) All measurements are recorded on specific data sheets.
- k) Once steady state conditions are considered to have been achieved, groundwater samples are obtained directly from the pump tubing and placed in appropriate glass bottles, BTEX vials or plastic bottles.
- l) All samples are preserved in accordance with water sampling requirements detailed in the NEPM 1999 and placed in an insulated container with ice. Groundwater samples are preserved by immediate storage in an insulated sample container with ice in accordance with AS/NZS 5667.1:1998.
- m) Record the sample on the appropriate log in accordance with AS1726:1993. At the end of each water sampling complete a chain of custody form.

Decontamination Procedures for Groundwater Sampling Equipment

- a) All of the equipment associated with the groundwater sampling procedure (other than single-use items) should be decontaminated between every sampling location.
- b) The following equipment and materials are required for the decontamination procedure:
 - Phosphate free detergent.
 - Potable water.
 - Distilled water
 - Plastic Sheets or bulk bags (plastic bags)
- c) Fill one bucket with clean potable water and phosphate free detergent, and one bucket with distilled water.
- d) Flush potable water and detergent through pump head. Wash sampling equipment and pump head using brushes in the bucket containing detergent until all materials attached to the equipment are removed.
- e) Flush pump head with distilled water.
- f) Change water and detergent solution after each sampling location.
- g) Rinse sampling equipment in the bucket containing distilled water.



- h) Place cleaned equipment on clean plastic sheets.
- i) If all materials are not removed by this procedure that equipment should not be used until it has been thoroughly cleaned



QA/QC DEFINITIONS

The QA/QC terms used in this report are defined below. The definitions are in accordance with US EPA publication SW-846, entitled *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods* (1994²⁸) methods and those described in *Environmental Sampling and Analysis, A Practical Guide*, (H. Keith 1991²⁹).

Practical Quantitation Limit (PQL), Limit of Reporting (LOR) and Estimated Quantitation Limit (EQL)

These terms all refer to the concentration above which results can be expressed with a minimum 95% confidence level. The laboratory reporting limits are generally set at ten times the standard deviation for the Method Detection limit (MDL) for each specific analyte. For the purposes of this report the LOR, PQL, and EQL are considered to be equivalent.

When assessing laboratory data it should be borne in mind that values at or near the PQL have two important limitations. *"The uncertainty of the measurement value can approach, and even equal, the reported value. Secondly, confirmation of the analytes reported is virtually impossible unless identification uses highly selective methods. These issues diminish when reliably measurable amounts of analytes are present. Accordingly, legal and regulatory actions should be limited to data at or above the reliable detection limit"* Keith 1991.

Precision

The degree to which data generated from repeated measurements differ from one another due to random errors. Precision is measured using the standard deviation or Relative Percent Difference (RPD). Acceptable targets for precision in this report will be less than 50% RPD for concentrations greater than ten times the PQL, less than 75% RPD for concentrations between five and ten times the PQL and less than 100% RPD for concentrations that are less than five times the PQL.

Accuracy

Accuracy is a measure of the agreement between an experimental result and the true value of the parameter being measured. The assessment of accuracy for an analysis can be achieved through the analysis of known reference materials or assessed by the analysis of surrogates, field blanks, trip spikes and matrix spikes.

²⁸ SW-846: *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*, US EPA, 1994 (US EPA SW-846)

²⁹ *Environmental Sampling and Analysis, A Practical Guide*, Keith, H, 1991 (Keith 1991)



The proximity of an averaged result to the true value, where all random errors have been statistically removed. Accuracy is measured by percent recovery. Acceptable limits for accuracy generally lie between 70% to 130% recoveries. Certain laboratory methods may allow for values that lie outside these limits.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents a characteristic of a population, parameter variations at a sampling point, or an environmental condition. Representativeness is primarily dependent upon the design and implementation of the sampling program. Representativeness of the data is partially ensured by the avoidance of contamination, adherence to sample handling and analysis protocols and use of proper chain-of-custody and documentation procedures.

Completeness

Completeness is a measure of the number of valid measurements in a data set compared to the total number of measurements made and overall performance against DQIs. The following information is assessed for completeness:

- Chain-of-custody forms;
- Sample receipt form;
- All sample results reported;
- All blank data reported;
- All laboratory duplicate and RPDs calculated;
- All surrogate spike data reported;
- All matrix spike and lab control spike (LCS) data reported and RPDs calculated;
- Spike recovery acceptable limits reported; and
- NATA stamp on reports.

Comparability

Comparability is the evaluation of the similarity of conditions (eg. sample depth, sample homogeneity) under which separate sets of data are produced. Data comparability checks include a bias assessment that may arise from the following sources:

- Collection and analysis of samples by different personnel;
- Use of different techniques;
- Collection and analysis by the same personnel using the same methods but at different times; and
- Spatial and temporal changes (due to environmental dynamics).



Blanks

The purpose of laboratory and field blanks is to check for artifacts and interferences that may arise during sampling and analysis.

Matrix Spikes

Samples are spiked with laboratory grade standards to detect interactive effects between the sample matrix and the analytes being measured. Matrix Spikes are reported as a percent recovery and are prepared for 1 in every 20 samples. Sample batches that contain less than 20 samples may be reported with a Matrix Spike from another batch. The percent recovery is calculated using the formula;

$$\frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Concentration of Spike Added}} \times 100$$

Acceptable recovery limits are 70% to 130%.

Surrogate Spikes

Samples are spiked with a known concentration of compounds that are chemically related to the analyte being investigated but unlikely to be detected in the environment. The purpose of the Surrogate Spikes is to check the accuracy of the analytical technique. Surrogate Spikes are reported as percent recovery.

Duplicates

Laboratory duplicates measure precision, expressed as Relative Percent Difference. Duplicates are prepared from a single field sample and analysed as two separate extraction procedures in the laboratory. The RPD is calculated using the formula where D1 is the sample concentration and D2 is the duplicate sample concentration:

$$\frac{(D1 - D2)}{\{(D1 + D2)/2\}} \times 100$$



APPENDIX E

(PID Calibration Records)

JOB NO: E25264KP
LOCATION: Kogarah



PID FIELD CALIBRATION RECORD

Make: MiniRAE	Model: 2000	Unit: 1	Date of last factory calibration: 12/9/11
Date of calibration: 13/10/11		Name of Calibrator: BP	
Calibration gas: Iso-butylene		Calibration Gas Concentration: 100.0 ppm	
Measured reading: 100 ppm		Error in measured reading: $\pm$ 0 ppm	

Make: MiniRAE	Model: 2000	Unit: 1	Date of last factory calibration: 12/9/11
Date of calibration: 14/10/11		Name of Calibrator: BP	
Calibration gas: Iso-butylene		Calibration Gas Concentration: 100.0 ppm	
Measured reading: 100 ppm		Error in measured reading: $\pm$ 0 ppm	

Make: MiniRAE	Model: 2000	Unit:	Date of last factory calibration:
Date of calibration:		Name of Calibrator:	
Calibration gas: Iso-butylene		Calibration Gas Concentration: 100.0 ppm	
Measured reading: ppm		Error in measured reading: $\pm$ ppm	

Make: MiniRAE	Model: 2000	Unit:	Date of last factory calibration:
Date of calibration:		Name of Calibrator:	
Calibration gas: Iso-butylene		Calibration Gas Concentration: 100.0 ppm	
Measured reading: ppm		Error in measured reading: $\pm$ ppm	

Make: MiniRAE	Model: 2000	Unit:	Date of last factory calibration:
Date of calibration:		Name of Calibrator:	
Calibration gas: Iso-butylene		Calibration Gas Concentration: 100.0 ppm	
Measured reading: ppm		Error in measured reading: $\pm$ ppm	

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