Historical Title

LAND AND PROPERTY INFORMATION NEW SOUTH WALES - HISTORICAL SEARCH

SEARCH DATE
17/5/2016 3:45PM

FOLIO: 3/71010

First Title(s): SEE PRIOR TITLE(S)
Prior Title(s): VOL 6060 FOL 100

Recorded	Number	Type of Instrument	C.T. Issue
5/11/1988		TITLE AUTOMATION PROJECT	LOT RECORDED FOLIO NOT CREATED
10/11/1992		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED CT NOT ISSUED
10/12/2010	AF931051	APPLICATION FOR REPLACEMENT CERTIFICATE OF TITLE	
10/12/2010	AF931052	CHANGE OF NAME	EDITION 1
21/2/2011	AG57824	CHANGE OF NAME	EDITION 2
13/5/2011	DP1162789	DEPOSITED PLAN	EDITION 3
18/8/2011	AG329772	LEASE	
18/8/2011	AG399393	CHANGE OF NAME	EDITION 4

*** END OF SEARCH ***

PLAN FORM 2 (A2) WARNING: CREASING OR FOLDING WILL LEAD TO REJECTION ePlan Sheet 1 of 1 sheets

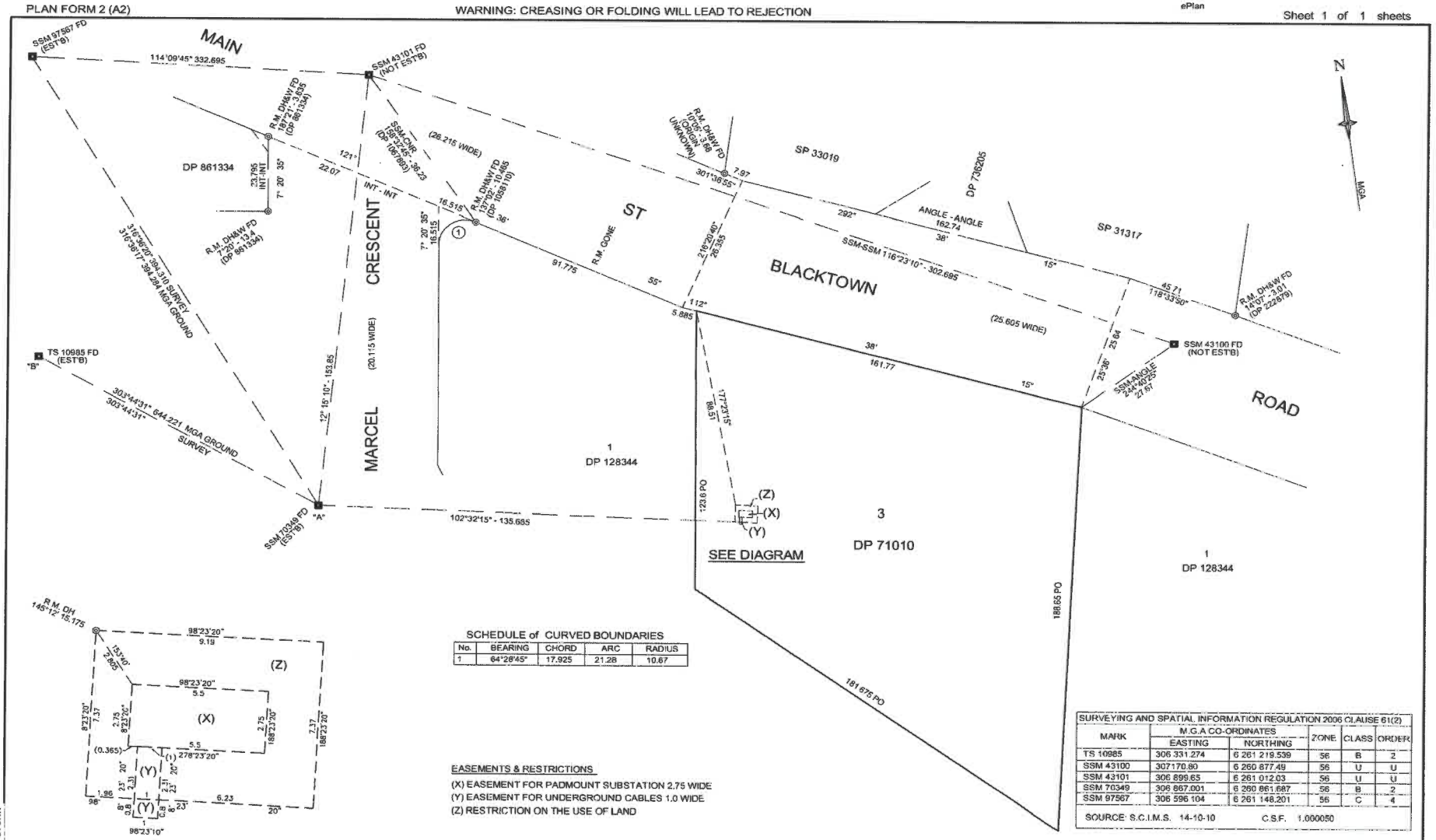


DIAGRAM
RR 1:150

SCHEDULE of CURVED BOUNDARIES

No.	BEARING	CHORD	ARC	RADIUS
1	64°28'45"	17.925	21.28	10.67

EASEMENTS & RESTRICTIONS

(X) EASEMENT FOR PADMOUNT SUBSTATION 2.75 WIDE
(Y) EASEMENT FOR UNDERGROUND CABLES 1.0 WIDE
(Z) RESTRICTION ON THE USE OF LAND

SURVEYING AND SPATIAL INFORMATION REGULATION 2006 CLAUSE 61(2)

MARK	M.G.A CO-ORDINATES EASTING	M.G.A CO-ORDINATES NORTHING	ZONE	CLASS	ORDER
TS 10985	306 331.274	6 261 219.539	56	B	2
SSM 43100	307170.80	6 260 877.49	56	U	U
SSM 43101	306 899.65	6 261 012.03	56	U	U
SSM 70349	306 867.001	6 260 861.687	56	B	2
SSM 97567	306 596 104	6 261 148.201	56	C	4

SOURCE: S.C.I.M.S. 14-10-10 C.S.F. 1.000050

Surveyor: JOSEPH MONARDO
Date of Survey: 28-10-10
Surveyor's Ref: 31960/32975

PLAN OF EASEMENTS OVER LOT 3 IN DP 71010

LGA: BLACKTOWN
Locality: BLACKTOWN
Subdivision No: -
Lengths are in metres. Reduction Ratio 1:1500

Registered: 13.5.2011

DP1162789

DP1162789

ePlan

PLAN FORM 6 WARNING: Creasing or folding will lead to rejection

DEPOSITED PLAN ADMINISTRATION SHEET

Sheet 1 of 2 sheet(s)

SIGNATURES, SEALS AND STATEMENTS of intention to dedicate public roads, public reserves and drainage reserves or create easements, restrictions on the use of land and positive covenants

PURSUANT TO SECTION 88B OF THE CONVEYANCING ACT, 1919 IT IS INTENDED TO CREATE:

1. EASEMENT FOR PADMOUNT SUBSTATION 2.75 WIDE (X)
2. EASEMENT FOR UNDERGROUND CABLES 1.0 WIDE (Y)
3. RESTRICTION ON USE OF LAND (Z)

If space is insufficient use PLAN FORM 6A annexure sheet

Office Use Only

DP1162789

Office Use Only

Registered: 13.5.2011
Title System: TORRENS
Purpose: EASEMENT

PLAN OF EASEMENTS OVER LOT 3 IN DP71010

LGA: BLACKTOWN
Locality: BLACKTOWN
Parish: PROSPECT
County: CUMERLAND

Survey Certificate

I, JOSEPH MONARDO

of LOCKLEY LAND TITLE SOLUTIONS PO BOX 400 GLADESVILLE 1675

a surveyor registered under the Surveying and Spatial Information Act, 2002, certify that the survey represented in this plan is accurate, has been made in accordance with the Surveying and Spatial Information Regulation, 2006 and was completed on: 28/10/10

The survey relates to AS ABOVE

.....

(specify the land actually surveyed or specify any land shown in the plan that is not the subject of the survey)

Signature ..... Dated: 28/10/10

Surveyor registered under the Surveying and Spatial Information Act, 2002

Datum Line: 'A'–'B'

Type: Urban/Rural

Crown Lands NSW/Western Lands Office Approval

I.....In approving this plan certify

(Authorised Officer)

that all necessary approvals in regard to the allocation of the land shown herein have been given

Signature: .....

Date: .....

File Number: .....

Office: .....

Subdivision Certificate

I certify that the provisions of s.109J of the Environmental Planning and Assessment Act 1979 have been satisfied in relation to:

the proposed ..... set out herein

(Insert 'subdivision' or 'new road')

.....

* Authorised Person/*General Manager/*Accredited Certifier

Consent Authority: .....

Date of Endorsement: .....

Accreditation no: .....

Subdivision Certificate no: .....

File no: .....

* Strike through inapplicable parts.

Plans used in the preparation of survey/~~compilation~~

DP128344
DP71010

If space is insufficient use PLAN FORM 6A annexure sheet

Surveyor's Reference: 31960-32978 5

DEPOSITED PLAN ADMINISTRATION SHEET

Sheet 2 of 2 sheet(s)

PLAN OF EASEMENTS OVER LOT 3 IN DP71010

* DP1162789

* Registered: 13.5.2011

* OFFICE USE ONLY

Subdivision Certificate No:

Date of Endorsement:

Executed for and on behalf of Western Sydney Local Health Network by Colin Erickson as delegate under s.40 of Health Services Act 1997 in the presence of:)

Signature of witness

Signature of Colin Erickson

Cathy Crowe

Name of witness (print)

SURVEYOR'S REFERENCE: 31960-32979-DP 32975

LEASE

New South Wales
Real Property Act 1900

AG329772G

PRIVACY NOTE: Section 31B of the Real Property Act 1900 (RP Act) authorises the by this form for the establishment and maintenance of the Real Property Act Regist... made available to any person for search upon payment of a fee, if any.

STAMP DUTY Office of State Revenue use only

(A) **TORRENS TITLE** Property leased: if appropriate, specify the part or premises

3/71010
Part ~~1/128344~~ being that part of Blacktown District Hospital hatched on the plan annexed and marked 'E'

(B) **LODGED BY**

Document Collection Box	Name, Address or DX, Telephone and Customer Account Number if any	CODE
	LLPN 123167 X CITY AGENTS DX 1263 SYDNEY 02 9232 2077 Reference (optional): SHE/1039	L

RELODGED
15 AUG 2011
TIME: 1140

(C) **LESSOR** WESTERN SYDNEY LOCAL HEALTH NETWORK

The lessor leases to the lessee the property referred to above.

(D) Encumbrances (if applicable):

(E) **LESSEE** SANCTUARY FIRST PTY LIMITED (ACN 098 605 460) having its registered office at 39 Paton Street, Merrylands

(F) **TENANCY:**

OFF L AB159965
6

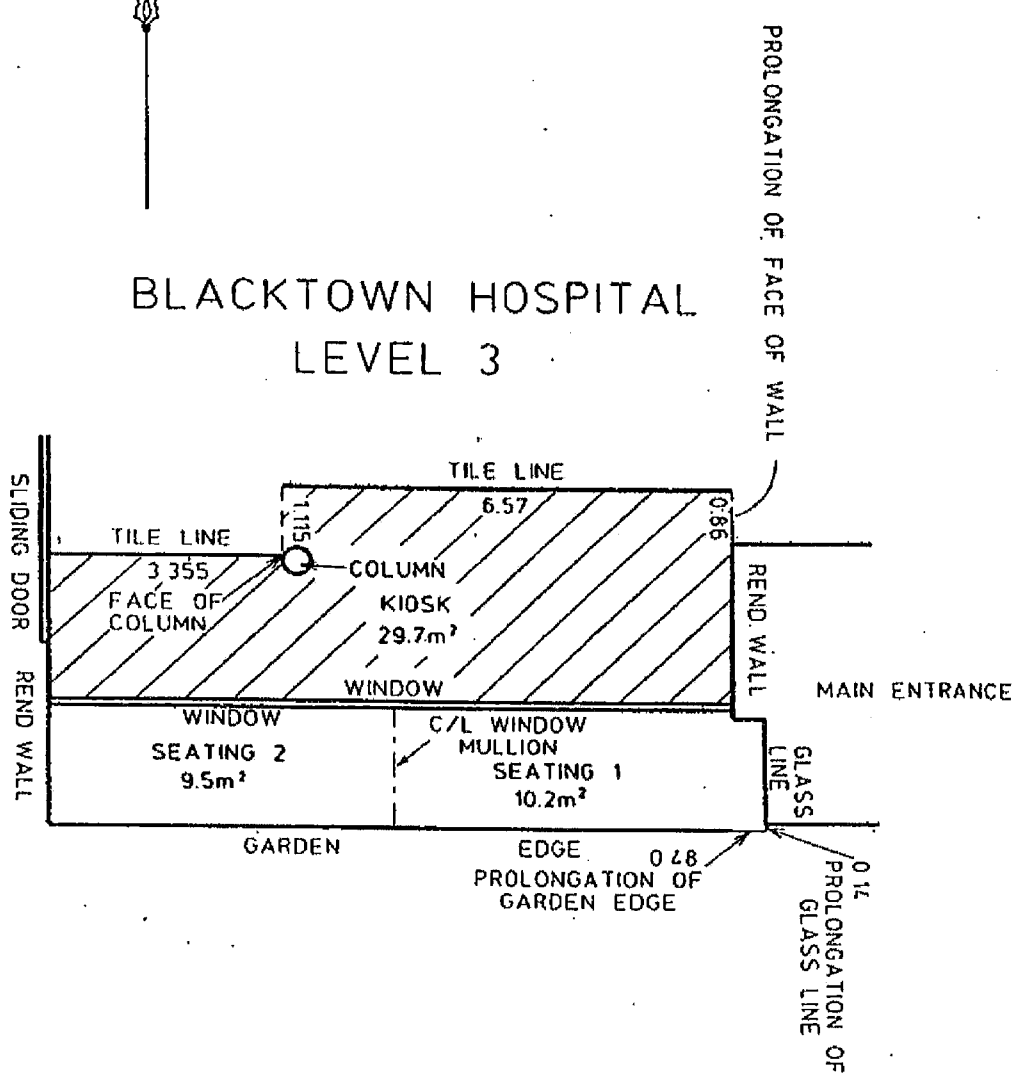
(G)
1. **TERM** Seven (7) years
2. **COMMENCING DATE** 1 December 2010
3. **TERMINATING DATE** 30 November 2017
4. With an **OPTION TO RENEW** for a period of N.A. set out in clause N.A. of N.A.
5. With an **OPTION TO PURCHASE** set out in clause N.A. of N.A.
6. Together with and reserving the **RIGHTS** set out in clause N.A. of N.A.
7. Incorporates the provisions or additional material set out in **ANNEXURE(S)** 'A', 'B', 'C', 'D' and 'E' hereto.
8. Incorporates the provisions set out in N.A. in the Department of Lands, Land and Property Information Division as No(s). N.A.
9. The **RENT** is set out in clause 3 of Annexure 'A'

'E'

LEASE PLAN FOR GLORIA JEANS KIOSK
LEVEL 3 BLACKTOWN HOSPITAL
BLACKTOWN ROAD, BLACKTOWN. NSW

This and the following 2 pages is the annexure marked 'E' referred to in the Lease between Western Sydney Local Health Network as Lessor and Sanctuary First Pty Limited as Lessee dated

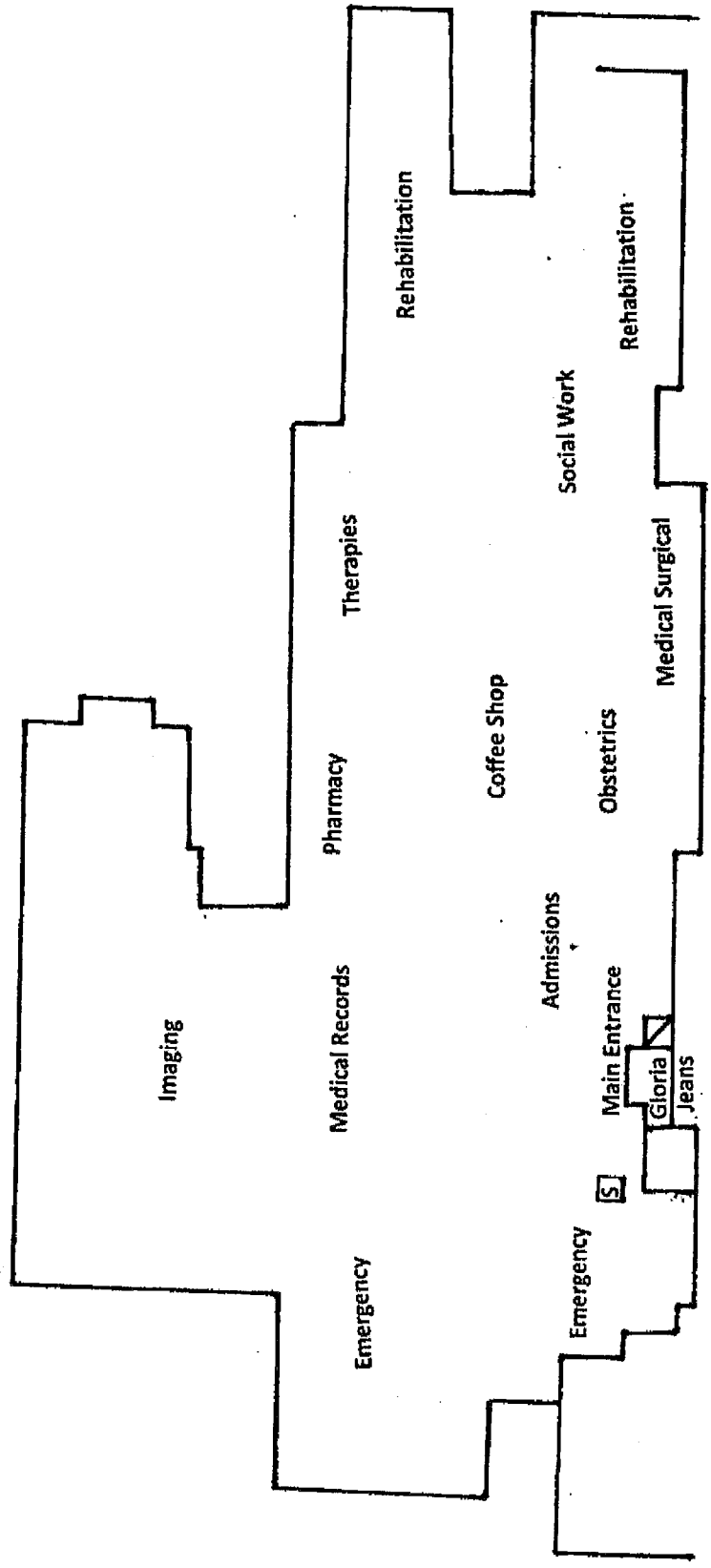
RR 1100



29/8/11

ABDI AMALI

LELY AMALI



LOCATION PLAN FOR GLORIA JEANS STORAGE AREA (S)
LEVEL 3 BLACKTOWN HOSPITAL
BLACKTOWN ROAD, BLACKTOWN, NSW

ABDI AMALI

LELY AMALI

Title Search

LAND AND PROPERTY INFORMATION NEW SOUTH WALES - TITLE SEARCH

FOLIO: 3/71010

SEARCH DATE	TIME	EDITION NO	DATE
17/5/2016	3:45 PM	4	18/8/2011

LAND

LOT 3 IN DEPOSITED PLAN 71010
LOCAL GOVERNMENT AREA BLACKTOWN
PARISH OF PROSPECT COUNTY OF CUMBERLAND
TITLE DIAGRAM DP71010

FIRST SCHEDULE

WESTERN SYDNEY LOCAL HEALTH DISTRICT (CN AG399393)

SECOND SCHEDULE (7 NOTIFICATIONS)

1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)
2 LAND EXCLUDES THE ROAD SHOWN IN VOL 6060 FOL 100-SEE J576479
3 K749781 * EASEMENT FOR TRANSMISSION LINE AFFECTING THE PART OF THE LAND ABOVE DESCRIBED SHOWN SO BURDENED IN DP520715
4 DP1162789 * EASEMENT FOR PADMOUNT SUBSTATION 2.75 METRE(S) WIDE AFFECTING THE PART(S) SHOWN SO BURDENED IN DP1162789
5 DP1162789 * EASEMENT FOR UNDERGROUND CABLES 1 METRE(S) WIDE AFFECTING THE PART(S) SHOWN SO BURDENED IN DP1162789
6 DP1162789 RESTRICTION(S) ON THE USE OF LAND
7 AG329772 * LEASE TO SANCTUARY FIRST PTY LIMITED OF THE PART OF BLACKTOWN DISTRICT HOSPITAL HATCHED IN PLAN WITH AG329772. EXPIRES: 30/11/2017.

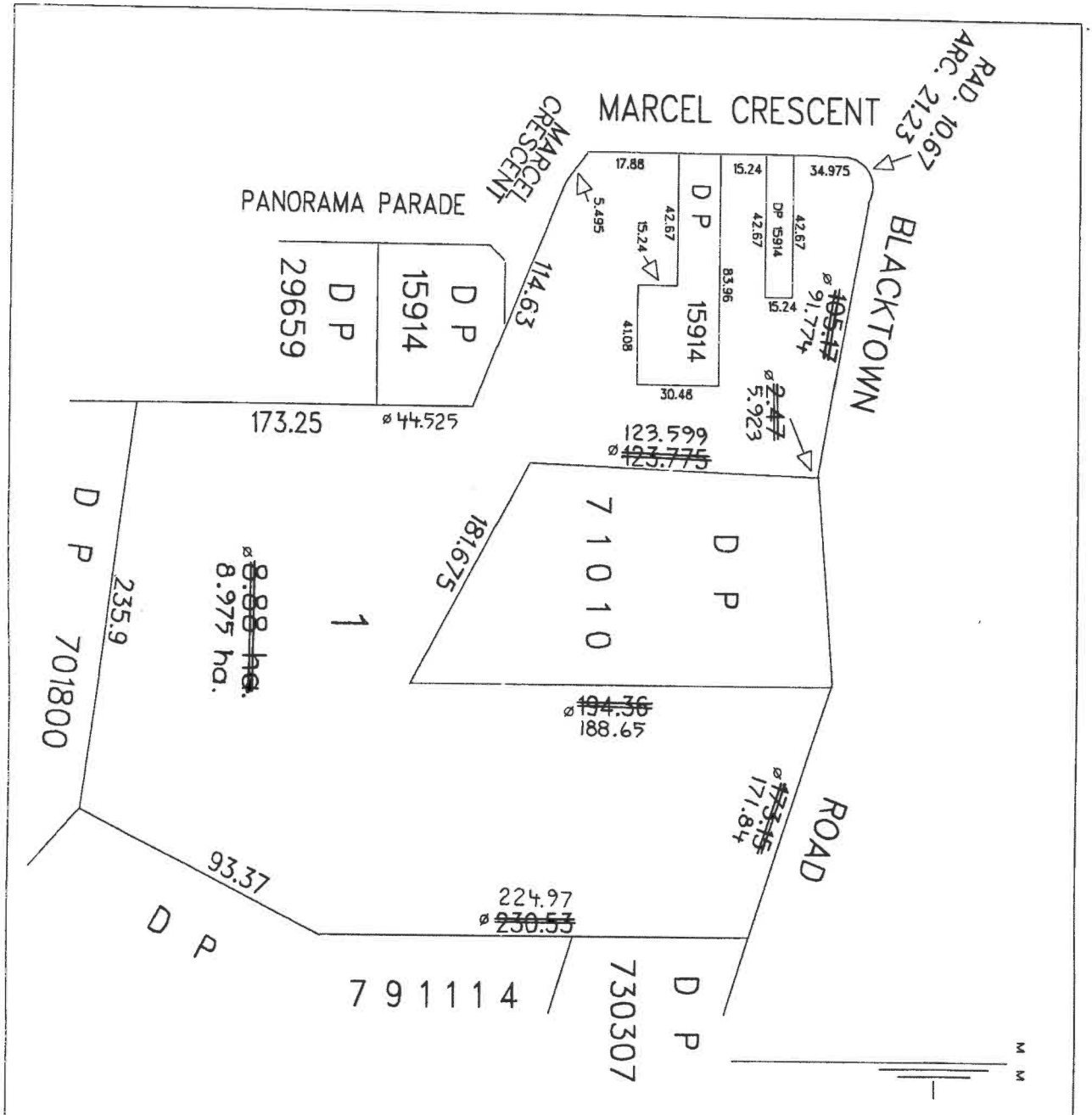
NOTATIONS

UNREGISTERED DEALINGS: PP DP1150650.

*** END OF SEARCH ***

* OUTSIDE SUBJECT AREA

Req:R743712 /Doc:DP 0128344 P /Rev:05-May-1999 /Sts:OK.OK /Pgs:ALL /Prt:20-May-2016 14:59 /Seq:1 of 1
Ref:blacktown /Src:M



		D P 1 2 8 3 4 4
	Registered: 14.9.1994	
	Title System: TORRENS	
	Purpose: DEPARTMENTAL	
	Ref. Map: U9160-71# & 73#	
	Last Plan: DP 108279	
	PLAN OF PART OF LOT 1 IN D P 108279 COMPRISED IN VOL. 8466 FOL. 48.	
	Lengths are in metres. Reduction Ratio 1: N.T.S.	
L.G.A.: BLACKTOWN		
LOCALITY: BLACKTOWN		
PARISH: PROSPECT		
COUNTY: CUMBERLAND		

AMENDMENTS ø MADE IN L.T.O. VIDE 1461/99 5/5/1999

G.D.B. ----

N O O 1 D 1 B

1962 AUG 21 AM 11:59

42825

NEW SOUTH WALES STAMP DUTIES OFFICE 9 AUG 1962

1962 AUG 7 AM 10:07 PM 2:57

2.10.0 3/10/6

APPLICATION FOR CERTIFICATE OF TITLE FOR RESUMED LAND

REAL PROPERTY ACT, 1900, SECTION 31A.

THE PARRAMATTA DISTRICT HOSPITAL hereby certifies that a Notification of Resumption, a copy of which is set out hereunder, appeared in the Government Gazette of 157 of the twenty fourth day of September, One thousand nine hundred and fifty four Folio 157 and the said THE PARRAMATTA DISTRICT HOSPITAL hereby applies to the Registrar General for a Certificate of Title for so much of the land described in the said Notification as is not under the provisions of the Real Property Act, 1900, and certifies this application to be correct for the purposes of the said Act.

7 pt Por's 114 & 115 ... to ... J. ... no ... Sec ... J60326

GAZETTE NOTIFICATION

PUBLIC HOSPITALS ACT, 1929-1943 - PUBLIC WORKS ACT, 1912.

THE PARRAMATTA DISTRICT HOSPITAL

ACQUISITION OF LAND.

APPLICATION having been made that the land described in the Schedule hereto be appropriated or resumed for the purposes of The Parramatta District Hospital, an incorporated hospital within the meaning of the Public Hospitals Act, 1929-1943, IT IS HEREBY NOTIFIED AND DECLARED by His Excellency the Governor, acting with the advice of the Executive Council, that so much of the said land as is Crown land is hereby appropriated and so much of the said land as is private property is hereby resumed under Division 1 of Part V of the Public Works Act, 1912, for the purposes aforesaid; AND it is hereby further notified that the said land is vested in The Parramatta District Hospital.

Dated at Sydney, this 15th day of September, 1954.

J. NORTHCOTT, Governor.

By His Excellency's Command,

J. B. RENSHAW, Minister for Public Works.

SCHEDULE

All that piece or parcel of land situate in the Shire of Blacktown Parish of Prospect and County of Cumberland, being Lots 297, 298, 299, 302, 303, 304, 305, 307, 309, 310, 311 and 312, deposited plan 15914, Lots 7 to 12 inclusive, deposited plan 17275, part of portion 1, part of the site of Old Blacktown-road and the site of the road shown on plan catalogued R.13,136-1,603: Commencing on the south-western side of Blacktown-road at the north-eastern corner of the said Lot 7, deposited plan 17275; and bounded thence on the south-east by the south-eastern boundary of that lot and the said Lot 12 bearing 190 degrees 40 minutes 40 seconds 777 feet 5¼ inches to the north-eastern side of Old Bladtown-road; again on the south-east and on the south-west by lines respectively bearing 215 degrees 32

Cert. of ... 8466 48

Dated 15 AUG 1962

... to be Marked by Survey

Folios 2892/3.

minutes 40 seconds 306 feet 4 inches and 279 degrees 59 minutes 20 seconds 773 feet 11½ inches to the western boundary of the said portion 1; on the west by part of that boundary bearing 358 degrees 56 minutes 40 seconds 568 feet 5 inches to the south-eastern corner of Lot 293, deposited plan 15914; again on the west by the eastern boundary of that lot, Lots 294 and 295 in all bearing 358 degrees 55 minutes 20 seconds 146 feet 1 inch to the southern most north-eastern corner of the said Lot 295; again on the south-west by the north-eastern boundary of that lot, a line and the north eastern side of Marcel Crescent in all bearing 307 degrees 42 minutes 20 seconds 386 feet 1 inch to the angle formed by the said north-eastern side and the eastern side of Marcel Crescent; again on the west by the said eastern side of Marcel Crescent bearing 358 degrees 54 minutes 40 seconds 68 feet 8 inches to the south-western corner of Lot 306, deposited plan 15914 aforesaid; on the north, east and again on the north by the southern boundary of the said Lot 306 and ~~on~~ the western and southern boundaries of Lot 300 bearing respectively 88 degrees 56 minutes 140 feet, 178 degrees 54 minutes 40 seconds 50 feet and 88 degrees 56 minutes 134 feet 9¼ inches again on the west by the eastern boundary of the said lot 300 and Lot 301 in all bearing 359 degrees 16 minutes 40 seconds 100 feet; on the south by the northern boundary of the said lots 301 and 306 in all bearing 268 degrees 56 minutes 275 feet 5½ inches to the said eastern side of Marcel Crescent again on the west by that side of Marcel Crescent bearing 358 degrees 54 minutes 40 seconds 50 feet to the south-western corner of lot 308; again on the north, west and south by the southern, eastern and northern boundaries of that lot respectively bearing 88 degrees 56 minutes 140 feet, 358 degrees 54 minutes 40 seconds 50 feet and 268 degrees 56 minutes 140 feet to the said eastern side of Marcel Crescent; again on the west and on the north-west and north-east by that side of Marcel Crescent, the splayedintersection of that side of Marcel Crescent with the said south-western side of Blacktown-road and that side of Blacktown-road respectively bearing 358 degrees 54 minutes 40 seconds 185 feet 10½ inches, 56 degrees 6 minutes 5 feet 5¼ inches and 113 degrees 13 minutes 370 feet 7¼ inches to the north-western corner of the 6 acres 1 rood 8¼ perches parcel of land comprised in Real Property Application 21010; again on the east, north-east and west by the western south-western and eastern boundaries of that parcel of land respectively bearing 179 degrees 16 minutes 40 seconds 424 feet 1 inch; 125 degrees 52 minutes 20 seconds 596 feet 4½ inches and 4 degrees 7 minutes 637 feet 8 inches to the said south-western side of Blacktown-road; and again on the north-east by that side of that road bearing 110 degrees 12 minutes 565 feet 11½ inches to the point of commencement - having an area of 22 acres 2 roods 16¼ perches or thereabouts, and said to be in the possession of the Cumberland Tile and Brick Pty. Ltd. and others. (H/3,025) (6077)

agrees with Gazette

THE COMMON SEAL of the PARRAMATTA DISTRICT HOSPITAL was hereunto affixed at a duly constituted meeting of the BOARD OF DIRECTORS held on 26th July 1962)

Director

Director

Countersigned by:

Chief Executive Officer and Secretary.

THE COMMON SEAL of the PARRAMATTA DISTRICT HOSPITAL was hereunto affixed at a duly constituted meeting of the BOARD OF DIRECTORS held on 30th August 1962)

THE PARRAMATTA DISTRICT HOSPITAL

Director

Director

Countersigned by

Chief Executive Officer and Secretary.

Historical Title

LAND AND PROPERTY INFORMATION NEW SOUTH WALES - HISTORICAL SEARCH

SEARCH DATE
17/5/2016 3:43PM

FOLIO: 1/128344

First Title(s): OLD SYSTEM VOL 125 FOL 60
VOL 2616 FOL 202
Prior Title(s): VOL 8466 FOL 48

Recorded	Number	Type of Instrument	C.T. Issue
21/9/1994	U582258	APPLICATION FOR REPLACEMENT CERTIFICATE OF TITLE	FOLIO CREATED EDITION 1
22/11/1994	U808074	DEPARTMENTAL DEALING	EDITION 2
16/12/1994	U868813	TRANSFER GRANTING EASEMENT	EDITION 3
8/9/2003	DP1058110	DEPOSITED PLAN	
18/5/2004	DP1067893	DEPOSITED PLAN	
22/2/2005	AB159965	LEASE	
22/2/2005	AB159966	LEASE	
22/2/2005	AB159967	LEASE	
22/2/2005	AB159968	LEASE	
22/2/2005	AB291350	REQUEST	EDITION 4
26/5/2005	AB505226	TRANSFER GRANTING EASEMENT	EDITION 5
19/4/2006	AC224038	LEASE	
19/4/2006	AC224039	LEASE	
19/4/2006	AC224040	LEASE	
19/4/2006	AC224041	LEASE	EDITION 6
21/2/2011	AG57824	CHANGE OF NAME	EDITION 7
18/8/2011	AG399393	CHANGE OF NAME	EDITION 8
1/12/2011	DP1170061	WITHDRAWN - DEPOSITED PLAN	
7/12/2011	DP1171156	DEPOSITED PLAN	
21/6/2012	AH11159	VARIATION OF EASEMENT	
19/12/2013	AI152053	LEASE	
19/12/2013	AI152054	LEASE	
19/12/2013	AI152055	LEASE	EDITION 9
19/12/2013	AI260718	DEPARTMENTAL DEALING	EDITION 10

END OF PAGE 1 - CONTINUED OVER

SEARCH DATE
17/5/2016 3:43PM

FOLIO: 1/128344

Recorded	Number	Type of Instrument	C.T. Issue
30/3/2015	AJ271954	SURRENDER OF LEASE	EDITION 11

*** END OF SEARCH ***

RP 19

M 373892

REGISTERED 4 NOV 1971

30 AM 11 04

OFFICE USE ONLY

MEMORANDUM OF TRANSFER

(REAL PROPERTY ACT, 1900)

(Trusts must not be disclosed in the transfer.)

Typing or handwriting in this instrument should not extend into any margin. Handwriting should be clear and legible and in permanent black non-copying ink.

a If a less estate, strike out "in *fee simple*" and interline the required alteration.

b State in full the name of the person who furnished the consideration monies.

c Show in BLOCK LETTERS the full name, postal address and description of the persons taking.

d If more than one person is taking state whether they hold as joint tenants or tenants in common.

e The description may refer to the defined residue of the land in a certificate or grant (e.g., "and being residue after Transfer No. ") or may refer to parcels shown in Town or Parish Maps issued by the Dept of Lands or shown in plans filed in the Office of the Registrar General (e.g., "and being lot sec. D.P. "). Unless authorised by Reg. 53 of the Conveyancing Act Regulations, 1961, a plan may not be annexed to or endorsed on this transfer form.

f A very short note will suffice.

g Execution in New South Wales may be proved if this instrument is signed or acknowledged before the Registrar General, or Deputy Registrar General, or a Notary Public, a J.P., or a Solicitor, or Commissioner for Affidavits, to whom the Transferor is known, otherwise the attesting witness should appear before one of the above functionaries who having questioned the witness should sign the certificate on the back of this form.

As to instruments executed elsewhere, see Section 107 of the Real Property Act, 1900, Section 168 of the Conveyancing Act, 1919, and Section 52A of the Evidence Act, 1898.

h Repeat attestation if necessary.

If the Transferor or Transferee signs by a mark, the attestation must state "that the instrument was read over and explained to him, and that he appeared fully to understand the same."

i Witness to the signature of the transferee may be any responsible person other than a party to the instrument.

THIS SPACE TO BE LEFT FREE FROM NOTATIONS NOT TO BE ALTERED BY ERASURE—See Foot Note

I, BLACKTOWN DISTRICT HOSPITAL (herein called transferor)

RELEASED 14 DEC 1971

being registered as the proprietor of an estate in *fee simple*[a] in the land hereinafter described, subject, however, to such encumbrances, liens and interests as are notified hereunder, in consideration of Two hundred and fifty dollars ($250.00) (the receipt whereof is hereby acknowledged) paid to it by The Council of the Municipality of Blacktown and grant do hereby transfer to

THE COUNCIL OF THE MUNICIPALITY OF BLACKTOWN, Council Chambers, Flushcombe Road, Blacktown (herein called transferee)[d]

out of ALL such its Estate and Interest in ALL THE land mentioned in the schedule following—

County	Parish	Reference to Title			Description of Land (if part only)[e]
		Whole or Part	Vol.	Fol.	
Cumberland	Prospect	Part	8466	48	and being an easement to drain water as defined by Section 88A of the Conveyancing Act 1919-1964 over the Land Lots 302/303, 305/312 inclusive D.P. 15914 described as "Proposed Easement to Drain Water 20 feet wide" and "Proposed Easement to Drain Water 8 feet wide" as shown on Plan of Proposed Easement annexed hereto and marked with the letter 'X'
Cumberland	Prospect	Part	4711	54	
Cumberland	Prospect	Part	6429	80	

ENCUMBRANCES, &c., REFERRED TO[f]

Reservation of minerals.

The Common Seal of (i) The Blacktown District Hospital was hereunto affixed by resolution of the Board of Directors on the twenty-ninth day of April, 19 71, in the presence of two members of the Board and the Secretary whose signatures are set hereto.

Signed at ~~Blacktown~~ Blacktown

[g] Signed in my presence by the transferor WHO IS PERSONALLY KNOWN TO ME

J. B. Southee
Transferor[s] (Member)

(Member)

D. L. Howe.
(Secretary)

THE BLACKTOWN DISTRICT HOSPITAL

[h] Signed

† Accepted, and I hereby certify this Transfer to be correct for the purposes of the Real Property Act.

[i] Signed in my presence by the transferee WHO IS PERSONALLY KNOWN TO ME

R. G. HOFFATT
Solicitor for the Transferee(s) whose signature cannot be obtained without difficulty and delay.

* If signed by virtue of any power of attorney, the original power must be registered in the Miscellaneous Register, and produced with each dealing, and the memorandum of non-revocation on back of form signed by the attorney before a witness.

† N.B.—Section 117 requires that the above Certificate be signed by each Transferee or his Solicitor or Conveyancer, and renders any person falsely or negligently certifying liable to a penalty; also to damages recoverable by parties injured. Acceptance by the Solicitor or Conveyancer (who must sign his own name, and not that of his firm) is permitted only when the signature of the Transferee cannot be obtained without difficulty, and when the instrument does not impose a liability on the party taking under it. When the instrument contains some special covenant by the Transferee or is subject to a mortgage, encumbrance or lease, the Transferee must accept personally.

No alterations should be made by erasure. The words rejected should be scored through with the pen, and those substituted written over them, the alteration being verified by signature or initials in the margin, or noticed in the attestation.

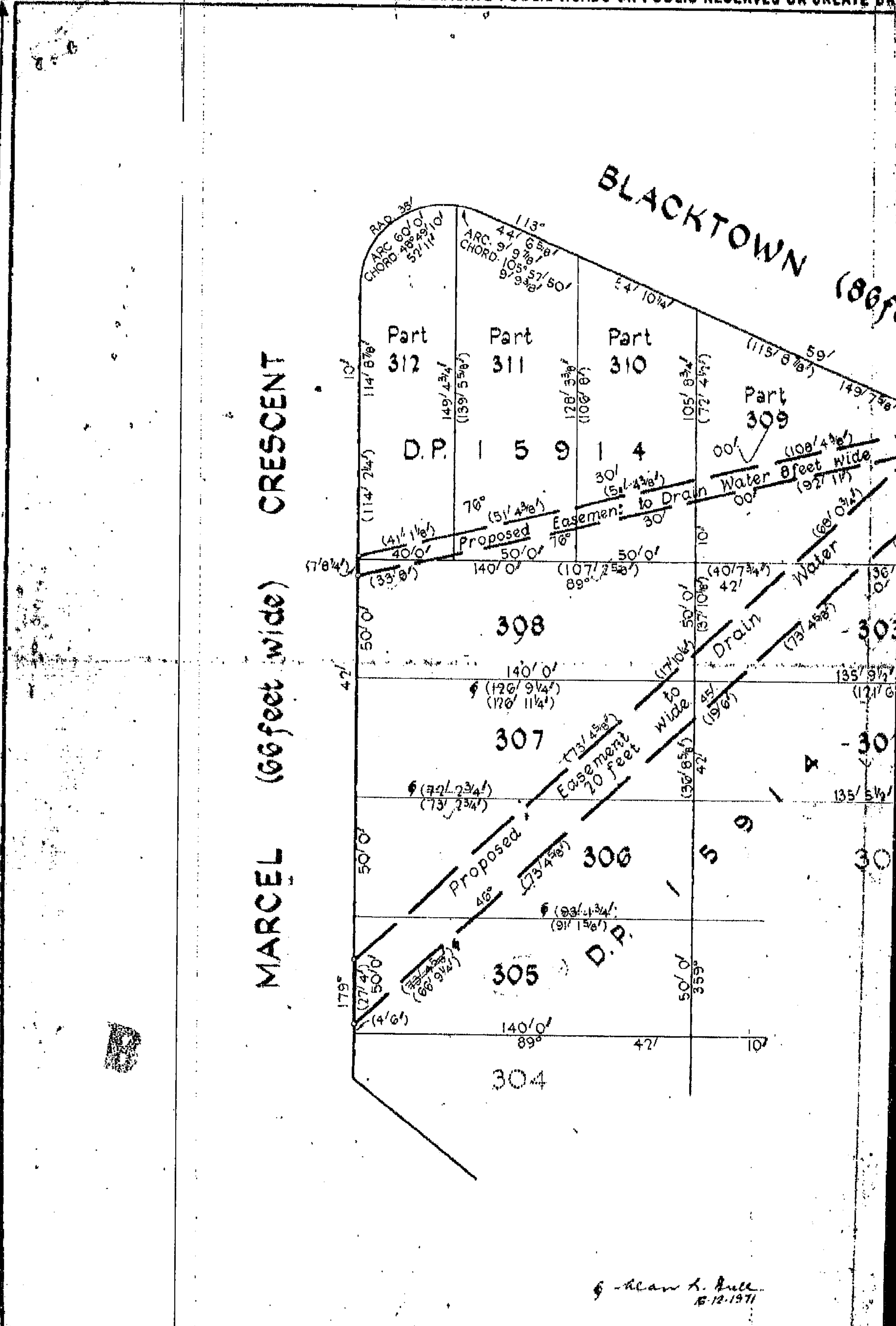
Sc437—W K 1165 V. C. N. Blight, Government Printer

71/10764/01

Cert 11/8.

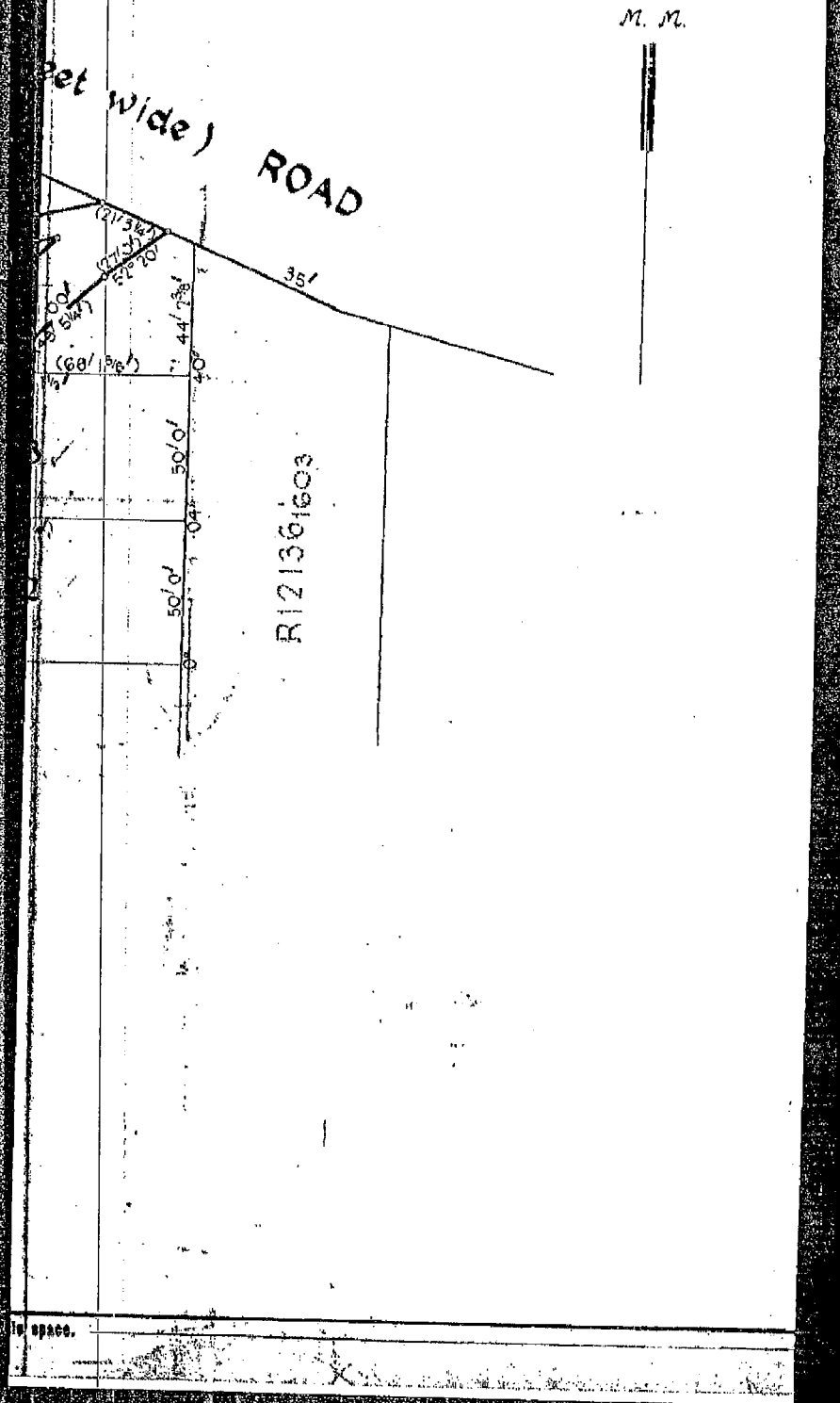
4711-54

Plan Form 3—TO BE USED WHERE IT IS INTENDED TO DEDICATE PUBLIC ROADS OR PUBLIC RESERVES OR CREATE DR



WARNING. Plan Drawing only to appear in this space.

NAGE RESERVES, EASEMENTS, OR RESTRICTIONS AS TO USER.



space.

* OFFICE USE ONLY.

Registered: *

C.A.:

Title System:

Purpose:

Ref. Map:

Last Plan:

PLAN OF PROPOSED EASEMENTS TO DRAIN WATER OVER LOTS 302 AND 303 TOGETHER WITH LOTS 305 TO 312 ON D.P. 15914.

Scale: 40 feet to an inch

Mun./Shire

~~City~~: BLACKTOWN.

Locality: BLACKTOWN.

Parish: PROSPECT

County: CUMBERLAND.

~~This is sheet 1 of my plan in sheets~~
Delete if inapplicable.

I, Alan Loris Bull,

of Blacktown Municipal Council,

~~a surveyor registered under the Surveyors Act, 1929, as amended,~~ hereby certify that the survey represented in this plan

~~is accurate and has been made *(1) by me (2) under my immediate supervision in accordance with the Survey Practice Regulations, 1933, and was completed on~~

13th January 1970.

Signature: Alan L. Bull

Surveyor registered under Surveyors Act, 1929, as amended.
Datum Line of Azimuth.
*Strike out either (1) or (2). Insert date of survey.

Panel for use only for statements of intention to dedicate public roads or public reserves or create drainage reserves, easements, or restrictions as to user.

[illegible] dated 29th day of June 1970.

SIGNATURES AND SEALS ONLY.

J. B. Bourke

WARNING: CREASING OR FOLDING WILL LEAD TO REJECTION.

Council Clerk's Certificate.

I hereby certify that—

(a) the requirements of the Local Government Act, 1919 (other than the requirements for the registration of plans), and

*(b) the requirements of section 24B of the †Metropolitan Water, Sewerage, and Drainage Act, 1924, as amended, †Hunter District Water, Sewerage, and Drainage Act, 1938, as amended,

have been complied with by the applicant in relation to the proposed ..... (insert "new road" or "subdivision") set out herein.

Subdivision No. [illegible] 11795

Date 22nd June 1970

(Signature) ..... Council Clerk.

*This part of certificate to be deleted where the application is only for the opening of a new road or where the land to be subdivided is wholly outside the areas of operations of the Metropolitan Water Sewerage and Drainage Board and the Hunter District Water Board.

†Delete if inapplicable.

SURVEYOR'S REFERENCE.

CC 347 / 169 M

No. M 373892 2

Lodged By J. B. MOFFATT SON & BERRY SOLICITORS
Address: 15 FLUSHCOMBE ROAD BLACKTOWN 2148
Phone No.: 622-1155 — 622-2211 — 622-1316

TRANSFER

MEMORANDUM AS TO NON-REVOCATION OF POWER OF ATTORNEY

(To be signed at the time of executing the within instrument)

Memorandum whereby the undersigned states that he has no notice of the revocation of the Power of Attorney registered No. Miscellaneous Register under the authority of which he has just executed the within tranfer.[j]

Signed at the day of , 19

Signed in the presence of—

[j] Strike out unnecessary words. Add any other matter necessary to show that the power is effective. See also note i overleaf.

CERTIFICATE OF J.P., &c., TAKING DECLARATION OF ATTESTING WITNESS[k]

Appeared before me at , the day of , one thousand nine hundred and the attesting witness to this instrument and declared that he personally knew the person signing the same, and whose signature thereto he has attested; and that the name purporting to be such signature of the said is own handwriting, and that he was of sound mind and freely and voluntarily signed the same.

[k] To be signed by Registrar General, Deputy Registrar General, a Notary Public, J.P., or a Solicitor, Commissioner for Affidavits, other functionary before whom the attesting witness appears. Not required if the instrument itself be signed or acknowledged before one of these parties.

D M.P.D.

LEAVE THESE SPACES FOR DEPARTMENTAL USE

INDEXED	MEMORANDUM OF TRANSFER	DOCUMENTS LODGED HEREWITH (To be filled in by person lodging dealing)
	& GRANT OF EASEMENT TO DRAIN WATER	1. C of T Lod J.B. Moffatt Son & Berry
Checked by EK	Particulars entered in Register Book	2. C of T Prod Mudderup & Co — Received Docs
S.C.	28-2-1972	3. 3/3/72 — Nos
		4. 16
Passed (in S.D.B.) by		5.
B.	at	6. — Receiving Clerk
		7.
Signed by Dd.	[signature] Registrar General	

PROGRESS RECORD

	Initials	Date
Sent to Survey Branch		
Received from Records		
Draft written		
Draft examined		
Diagram prepared		
Diagram examined		
Draft forwarded		
New C.T. Engrossed		
New C.T. Issued		
Vol.	Fol.	

H45 51417—W

PLAN FORM 2

SIGNATURE AND SEALS ONLY.

Plan Drawing only to appear in this space

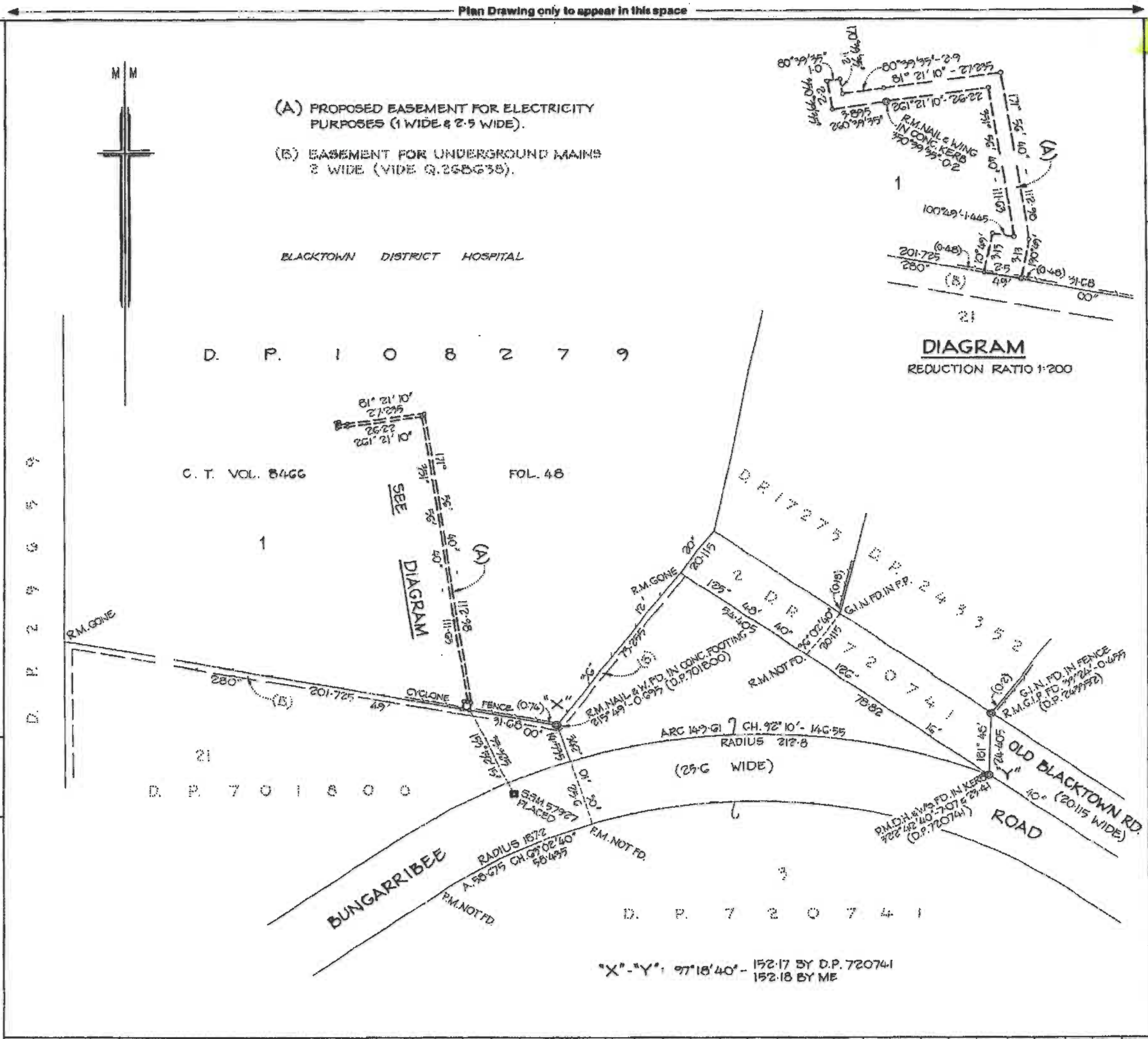


Table of mm 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 210 220 230 240 250 260 270 280 290 300 310 320 330 340 350 360 370 380 390

*OFFICE USE ONLY

DP 642524

Registered: 13·9·1989

C.A.

Title System: TORRENS

Purpose: EASEMENT

Ref. Map: U9160-73 #

Last Plan: D P 108279

PLAN OF PROPOSED EASEMENT FOR ELECTRICITY PURPOSES (1 WIDE & 2·5 WIDE) WITHIN LOT 1 D.P.108279.

Lengths are in metres. Reduction Ratio 1:

~~Municipality/Shire~~ City: BLACKTOWN

Locality: BLACKTOWN

Parish: PROSPECT

County: CUMBERLAND

~~This is sheet 1 of my plan in .... sheets~~
~~(Delete if inapplicable)~~

I, HUGH CAMPBELL McCUBBEN, of 7 BEVANS ROAD, GALSTON, 2159 ..... a surveyor registered under the Surveyors Act, 1929, as amended, hereby certify that the survey represented in this plan is accurate and has been made in accordance with the Survey Practice Regulations, 1933 and any special requirements of the Department of Lands, and was completed on 13TH. FEBRUARY, 1989.

Signature ....

Surveyor registered under Surveyors Act, 1929, as amended.

Datum Line of Azimuth "X"-"Y".

Plans used in preparation of survey/~~compilation~~.
D.P. 108279
D.P. 701800
D.P. 720741

PANEL FOR USE ONLY for statements of intention to dedicate public roads or to create public reserves, drainage reserves, easements or restrictions as to user.

Crown Lands Office Approval

PLAN APPROVED ....
Authorised Officer

Land District ....

Paper No. ....

Field Book .... pages ....

Council Clerk's Certificate

I hereby certify that —

(a) the requirements of the Local Government Act, 1919 (other than the requirements for the registration of plans), and

*(b) the requirements of section 24B of the ‡ Metropolitan Water, Sewerage and Drainage Act, 1924, as amended ‡ Hunter District Water, Sewerage, and Drainage Act, 1938, as amended

have been complied with by the applicant in relation to the proposed .... (insert "new road", "subdivision" or "consolidated lot") set out herein

Subdivision No. ....

Date ....

(Signature) ....
Council Clerk

Council File No. ....

*This part of certificate to be deleted where the application is only for a consolidated lot or the opening of a new road or where the land to be subdivided is wholly outside the areas of operations of the Metropolitan Water Sewerage and Drainage Board and the Hunter District Water Board.
‡ Delete if inapplicable.

89/405

SURVEYOR'S REFERENCE: R.P. 3187.

FILE Nº 79/81/5.

MPD

WARNING: CREASING OR FOLDING WILL LEAD TO REJECTION

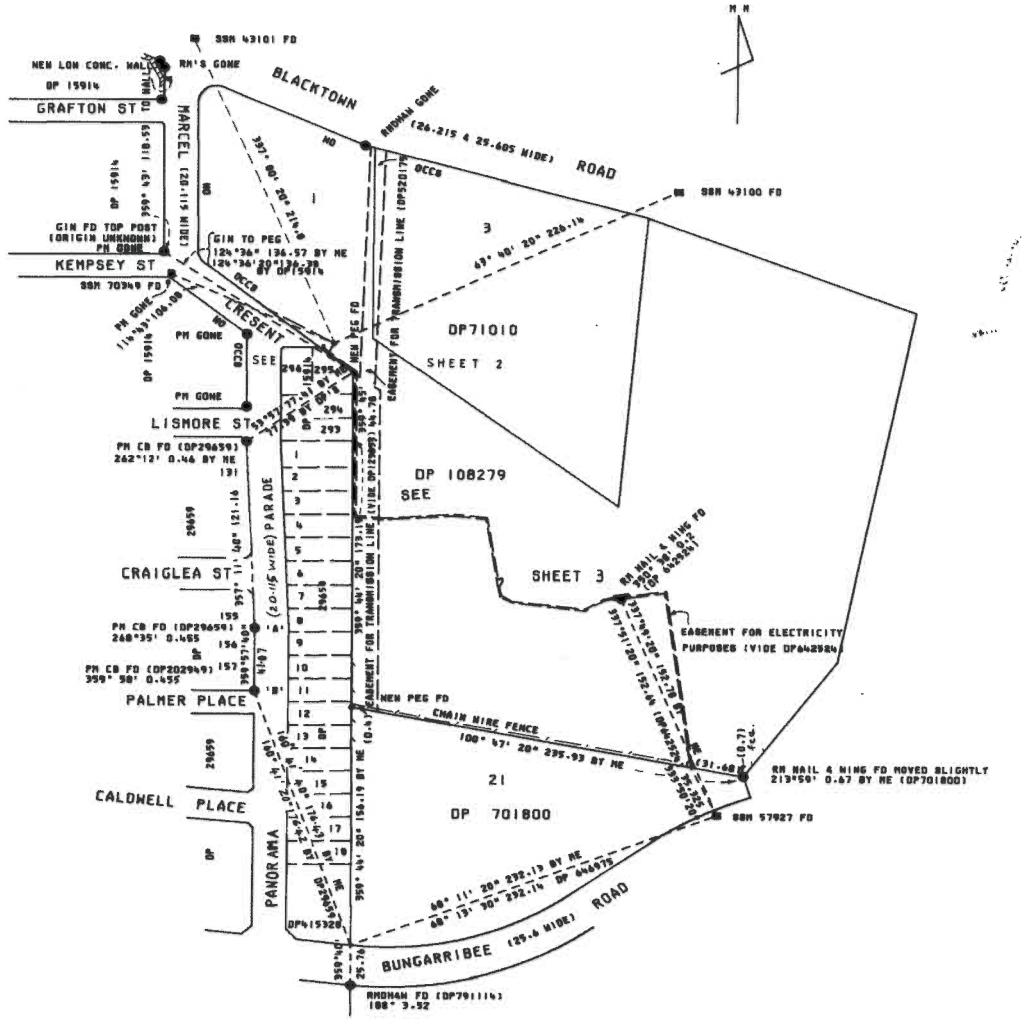
This negative is a photograph made as a permanent record of a document in the custody of the Registrar General this day. 14th September, 1989

10	20	30	40	50	60	70 Table of mm	110	120	130	140

PLAN FORM 2

Plan Drawing only to appear in this space

SIGNATURE AND SEALS ONLY



Crown Lands Office Approval

PLAN APPROVED ..... Authorised Officer

Land District .....

Paper No. .....

Field Book ..... pages .....

Council Clerk's Certificate

I hereby certify that :-

(a) the requirements of the Local Government Act, 1919 (other than the requirements for the registration of plans); and

(b) the requirements of section 34B of the * Metropolitan Water, Sewerage and Drainage Act, 1924, as amended * Hunter District Water, Sewerage and Drainage Act, 1938, as amended

have been complied with by the applicant in relation to the proposed ..... ("self", "new road", "subdivision" or "consolidated lot") set out herein

Subdivision No. .....

Re .....

Signature) .....

Council Clerk

Council File No. .....

* This part of certificate to be deleted where the application is only for a consolidated lot or the opening of a new road or where the land to be subdivided is wholly outside the areas of operations of the Metropolitan Water, Sewerage and Drainage Board and the Hunter District Water Board.

* Delete if inapplicable.

SURVEYOR'S REFERENCE: 93.127 "CHECK LIST" RP 3676

*OFFICE USE ONLY

DP 648544

Registered 3.12.1993

C.A. .....

Title System. TORRENS

Purpose PROPOSED EASEMENT

Ref. Map U9160-71#4 73#

Last Plan DP 108279

PLAN OF PROPOSED EASEMENTS FOR ELECTRICITY PURPOSES AND TRANSMISSION LINE WITHIN LOT 1 DP 108279

Lengths are in metres. Reduction Ratio 1:2000

~~Municipality~~ ~~City~~ LGA: BLACKTOWN CITY

Locality: BLACKTOWN

Parish: PROSPECT

County: CUMBERLAND

This is sheet 1 of my plan in 3 sheets (Delete if inapplicable).

I, WALTER ALEXANDER KNOWLES

of H.A.KNOWLES PTY LTD ACN 001 926 665

4 CUMLIFFE RD KILLARA 2071

a surveyor registered under the Surveyors Act, 1929, as amended, hereby certify that the survey represented in this plan is accurate and has been made in accordance with the Survey Practice Regulation 1990 and was completed on

29 AUGUST 1993

Signature W.A.Knowles

Surveyor registered under Surveyors Act, 1929, as amended

Datum Line of Azimuth A' - B'

(insert date of survey)

Plans used in preparation of survey/compilation.

DP 15914 DP 29659 DP 106546
DP 108279 DP 510899 DP 129859
DP 202949 DP 520715 DP 642524
DP 646975 DP 701800 DP 791114
K 329038 REPORT

PANEL FOR USE ONLY for statements of intention to dedicate public roads, to create public reserves, drainage reserves, easements, restrictions on the use of land or positive covenants.

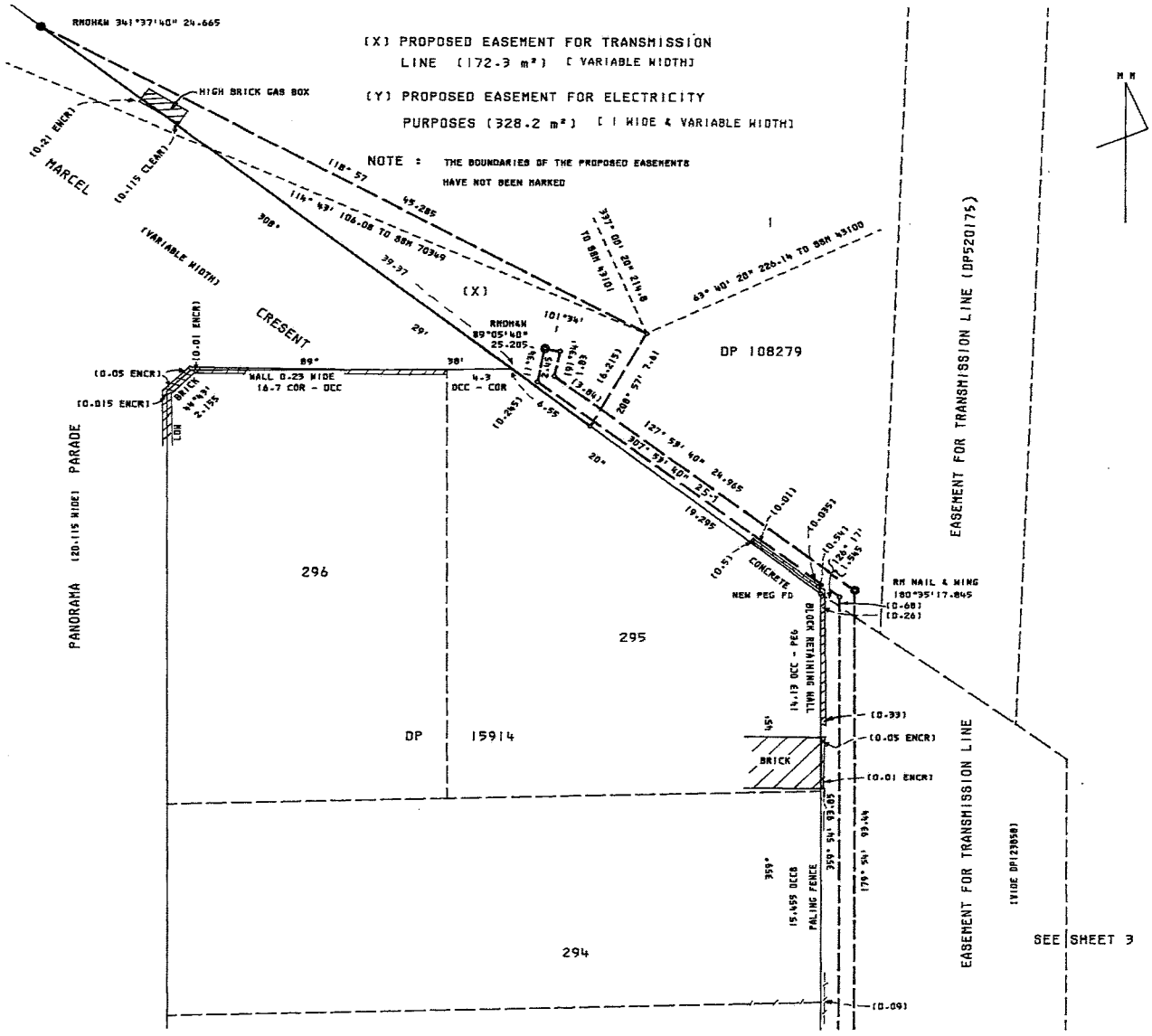
S.S.M's 43101, 43100, 70349 &
57927 NOT ESTABLISHED BY
DATA FROM SCIMS DATED 17.11.1993

10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 Table of mm 210 220 230 240 250 260 270 280 290 300 310 320 330 340 350 360 370 380 390

WARNING: CREASING OR FOLDING WILL LEAD TO REJECTION

N 0 0 0 F 3 A

PLAN FORM 3 | To be used in conjunction with Plan Form 2 | WARNING: CREASING OR FOLDING WILL LEAD TO REJECTION | OFFICE USE ONLY



DP 648544

Registered: 3-12-1993

This is sheet 2 of my plan in 3 sheets dated 23-8-1993

W.A. Knowles

Surveyor registered under Surveyors Act 1929

This is sheet of the plan of sheets covered by my Certificate No of

Council Clerk

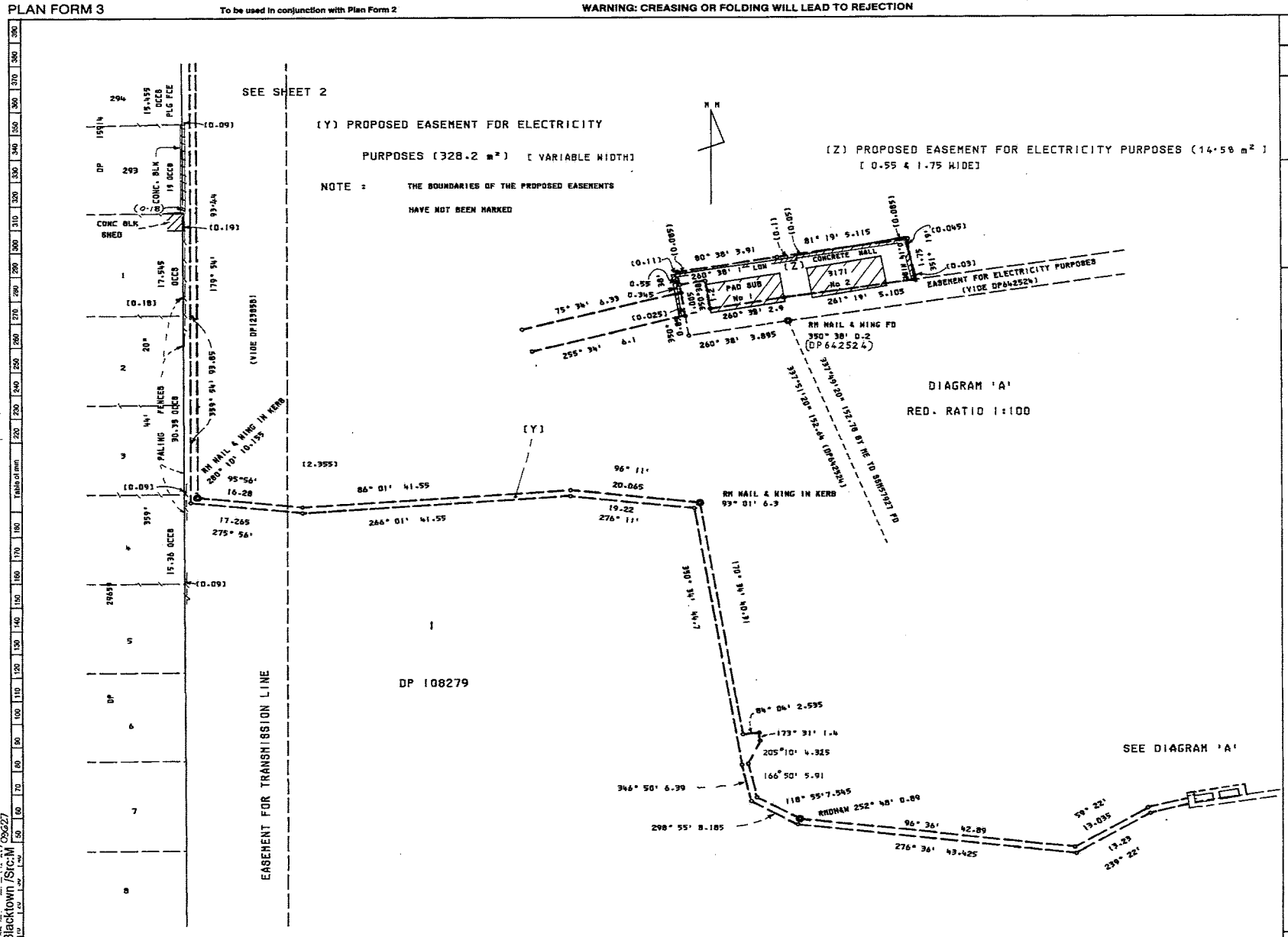
For use where space is insufficient in any panel on Plan Form 2

Reduction Ratio 1: 200

Plan Drawing only to appear in this space

SURVEYOR'S REFERENCE: 93.127 RP387G (2)

PLAN FORM 3 — To be used in conjunction with Plan Form 2 — WARNING: CREASING OR FOLDING WILL LEAD TO REJECTION — *OFFICE USE ONLY



DP 648544

Registered: 3-12-1993

This is sheet 3 of my plan in 3 sheets dated 23-8-93

W. A. Knowles

Surveyor registered under Surveyors Act 1929

This is sheet of the plan of sheets covered by my Certificate No. of

Council Clerk

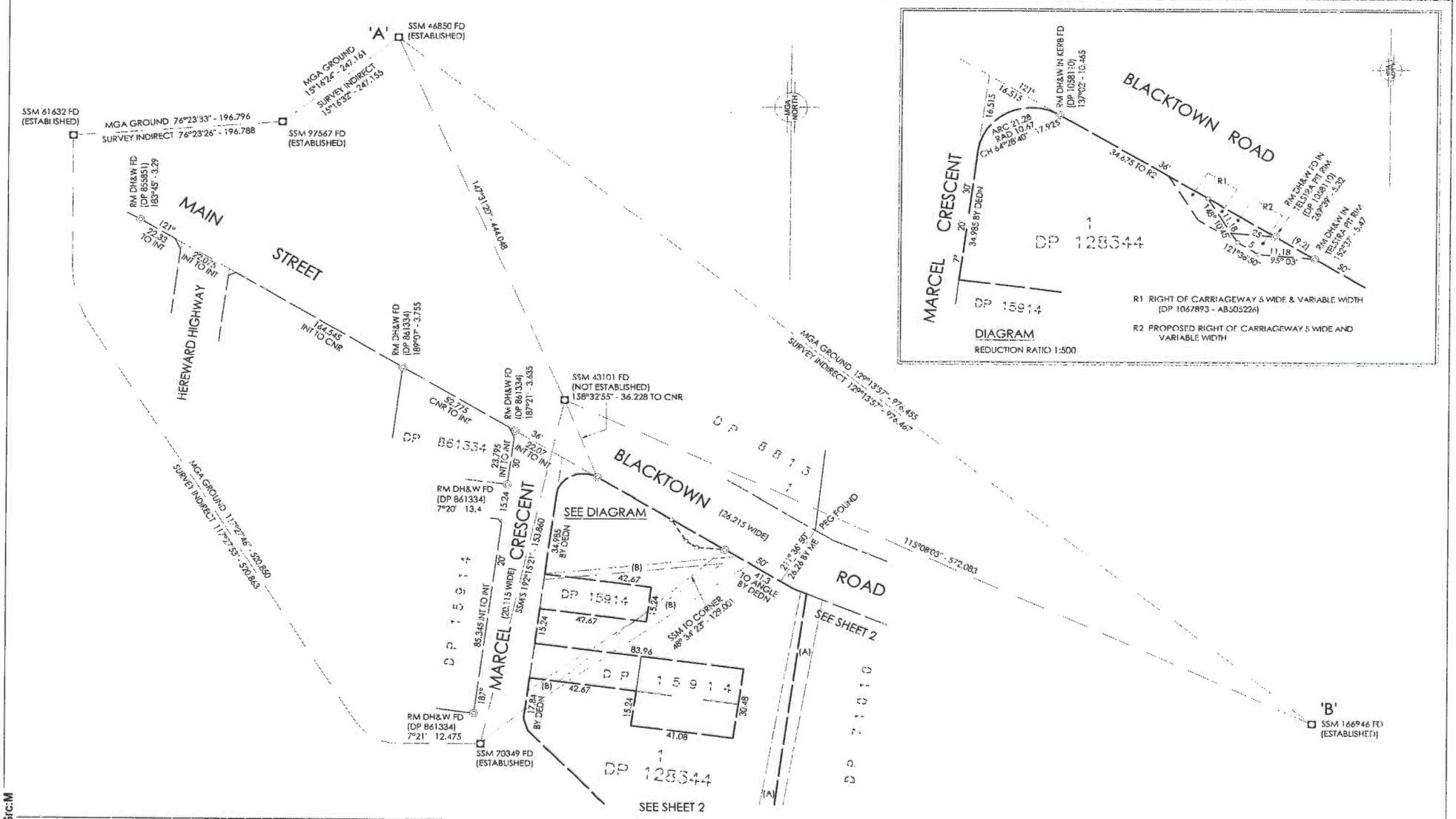
For use where space is insufficient in any panel on Plan Form 2.

Reduction Ratio 1: 600

Plan Drawing only to appear in this space

SURVEYOR'S REFERENCE: 93.127 RP387G (3)

PLAN FORM 2 (A2) DP1171156 WARNING: CREASING OR FOLDING WILL LEAD TO REJECTION ePlan Sheet 1 of 2 sheets



MGA CO-ORDINATES ZONE 56 SOURCE SCIMS 05-10-2011

MARK	EASTING	NORTHING	CLASS	ORDER	CSF	AHD	CLASS	ORDER	ORIGIN
M 43101	306 897	6261 018	U	U	1.000 048	46.867	LB	L2	SCIMS
M 46850	306 661.215	6261 386.644	B	2	1.000 047	62.029	LB	L2	SCIMS
M 61632	306 404.823	6261 101.899	C	4	1.000 047	69.993	LC	L3	SCIMS
M 70349	306 867.001	6260 861.687	B	2	1.000 049	47.197	LC	L3	SCIMS
M 97567	306 596.104	6261 148.201	C	4	1.000 048	61.103	LC	L3	SCIMS
M 166946	307 417.599	6260 769.040	B	2	1.000 045	50.44	D	4	SCIMS

10 20 30 40 50 Table of mm 90 100 110 120 130 140

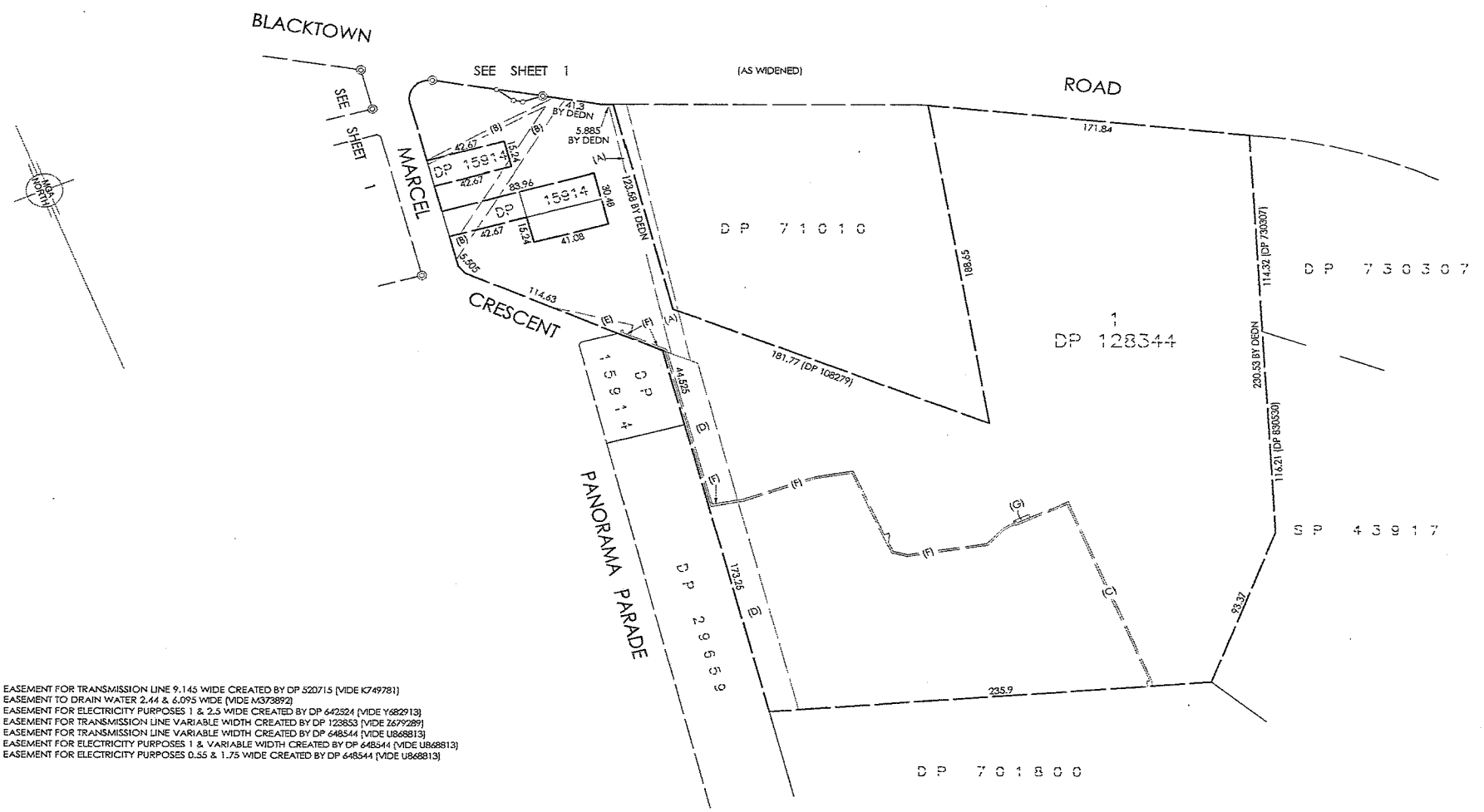
Surveyor: Matthew Charles Freeburn
Date of Survey: 21-09-2011
Surveyor's Ref: 32 990 SR1103

PLAN OF PROPOSED RIGHT OF CARRIAGEWAY 5 WIDE AND VARIABLE WIDTH OVER LOT 1 IN DP 128344

LGA: BLACKTOWN
Locality: BLACKTOWN
Subdivision No:
Lengths are in metres. Reduction Ratio 1:1000

Registered 7.12.2011

DP1171156



(A) EASEMENT FOR TRANSMISSION LINE 9.145 WIDE CREATED BY DP 520715 (VIDE K749781)
(B) EASEMENT TO DRAIN WATER 2.44 & 6.095 WIDE (VIDE M373892)
(C) EASEMENT FOR ELECTRICITY PURPOSES 1 & 2.5 WIDE CREATED BY DP 642524 (VIDE Y682913)
(D) EASEMENT FOR TRANSMISSION LINE VARIABLE WIDTH CREATED BY DP 123853 (VIDE Z679289)
(E) EASEMENT FOR TRANSMISSION LINE VARIABLE WIDTH CREATED BY DP 648544 (VIDE U868813)
(F) EASEMENT FOR ELECTRICITY PURPOSES 1 & VARIABLE WIDTH CREATED BY DP 648544 (VIDE U868813)
(G) EASEMENT FOR ELECTRICITY PURPOSES 0.55 & 1.75 WIDE CREATED BY DP 648544 (VIDE U868813)

Surveyor: Matthew Charles Freeburn Date of Survey: 21-09-2011 Surveyor's Ref: 32 990 SR1103	PLAN OF PROPOSED RIGHT OF CARRIAGEWAY 5 WIDE AND VARIABLE WIDTH OVER LOT 1 IN DP 128344	LGA: BLACKTOWN Locality: BLACKTOWN Subdivision No: Lengths are in metres. Reduction Ratio 1:1500	Registered 7.12.2011	DP1171156

10 20 30 40 50 Table of mm 90 100 110 120 130 140

PLAN FORM 6 WARNING: Creasing or folding will lead to rejection ePlan

DEPOSITED PLAN ADMINISTRATION SHEET

Sheet 1 of 2 sheets

Office use only

DP1171156

Office use only

Registered: 7.12.2011

Title System: TORRENS

Purpose: EASEMENT

PLAN OF PROPOSED RIGHT OF CARRIAGEWAY 5 WIDE AND VARIABLE WIDTH OVER LOT 1 IN DP128344

LGA: BLACKTOWN

Locality: BLACKTOWN

Parish: PROSPECT

County: CUMBERLAND

SIGNATURES, SEALS, and STATEMENTS OF INTENTION to dedicate public roads, to create public reserves, drainage reserves, easements, restrictions on the use of land, or positive covenants.

If insufficient space, use PLAN FORM 6A Annexure Sheet

Crown Lands NSW / Western Lands Office Approval

I, _____, in approving this Plan
(Authorised Officer)
certify that all necessary approvals with regard to the allocation of the land shown herein, have been given.

Signature: _____
Date: _____
File №: _____
Office: _____

Subdivision Certificate

I certify that the provisions of s.109J of the Environmental Planning and Assessment Act 1979 have been satisfied in relation to the proposed _____ set out herein.
(insert '*subdivision*' or '*new road*')

_____
name/signature of
* Authorised Person / * General Manager / * Accredited Certifier
* strike through whichever is not applicable.

Consent Authority: _____
Date of Endorsement: _____
Accreditation №: _____
Subdivision Certificate №: _____
File №: _____

Surveyor's Certificate

I, MATTHEW CHARLES FREEBURN
of 1ST FLOOR, SUITE 2, "SURVEYOR HOUSE"
2 CASTLEREAGH STREET
PENRITH NSW 2750
Phone: (02) 4721-2289
being a surveyor registered under the *Surveying and Spatial Information Act, 2002*, certify that the survey represented in this Plan is accurate, has been made in accordance with the *Surveying and Spatial Information Regulation, 2006*, and was completed on 21ST SEPTEMBER 2011.

The survey ~~/ compilation~~ relates to: LOT 1 IN DP128344

Signature: M. Freeburn *Dated:* 6.10.2011
Surveyor registered under the Surveying and Spatial Information Act, 2002

Datum Line: "A" – "B"
Type: Urban ~~/ Rural~~

Plans used in the preparation of survey ~~/ compilation~~

DP128344	DP29659
DP8813	DP71010
DP15914	DP861334

If insufficient space, use PLAN FORM 6A Annexure Sheet

SURVEYOR'S REFERENCE: 32990/SR1103

DEPOSITED PLAN ADMINISTRATION SHEET

PLAN OF PROPOSED RIGHT OF CARRIAGEWAY 5 WIDE AND VARIABLE WIDTH OVER LOT 1 IN DP128344

Office use only

DP1171156

Office use only

Registered: 7.12.2011

Subdivision Certificate №:

Date of Endorsement:

SIGNATURES, SEALS, and STATEMENTS OF INTENTION

SURVEYOR'S REFERENCE: 32990/SR1103

Title Search

LAND AND PROPERTY INFORMATION NEW SOUTH WALES - TITLE SEARCH

FOLIO: 1/128344

SEARCH DATE	TIME	EDITION NO	DATE
17/5/2016	3:45 PM	11	30/3/2015

LAND

LOT 1 IN DEPOSITED PLAN 128344
AT BLACKTOWN
LOCAL GOVERNMENT AREA BLACKTOWN
PARISH OF PROSPECT COUNTY OF CUMBERLAND
TITLE DIAGRAM DP128344

FIRST SCHEDULE

WESTERN SYDNEY LOCAL HEALTH DISTRICT (CN AG399393)

SECOND SCHEDULE (15 NOTIFICATIONS)

1 LAND EXCLUDES MINERALS OF PART SEE CROWN GRANT(S) AS REGARDS VOL 2616 FOL 202
2 G630213 LAND EXCLUDES MINERALS (SEC.141 OF PUBLIC WORKS ACT, 1912)
3 K749781 EASEMENT FOR TRANSMISSION LINE 9.145 WIDE AFFECTING THE PART OF THE LAND ABOVE DESCRIBED SHOWN SO BURDENED IN DP520715
4 *M373892 EASEMENT TO DRAIN WATER 2.44 & 6.095 WIDE AFFECTING THE PART OF THE LAND ABOVE DESCRIBED SHOWN SO BURDENED IN PLAN WITH M373892
5 *Y682913 EASEMENT FOR ELECTRICITY PURPOSES 1 & 2.5 WIDE AFFECTING THE PART OF THE LAND ABOVE DESCRIBED SHOWN SO BURDENED DESIGNATED (A) IN DP642524
6 *Z679289 EASEMENT FOR TRANSMISSION LINE VARIABLE WIDTH AFFECTING THE PART OF THE LAND ABOVE DESCRIBED SHOWN SO BURDENED IN DP123853 & DP648544
7 *U668813 EASEMENT FOR TRANSMISSION LINE AFFECTING THAT PART OF THE LAND WITHIN DESCRIBED SHOWN VARIABLE WIDTH & PROPOSED TO BE SO BURDENED IN DP648544
8 *U668813 EASEMENT FOR ELECTRICITY PURPOSES AFFECTING THOSE PARTS OF THE LAND WITHIN DESCRIBED SHOWN DESIGNATED "Y" & "Z" IN DP648544
9 AB159966 LEASE TO HUTCHISON 3G AUSTRALIA PTY LIMITED OF THE PART SHOWN HATCHED IN PLAN WITH AB159966. COMMENCES: 13/9/2009. EXPIRES: 12/9/2014.
10 AB159967 LEASE TO HUTCHISON 3G AUSTRALIA PTY LIMITED OF THE PART SHOWN HATCHED IN PLAN WITH AB159967. COMMENCES: 13/9/2014. EXPIRES: 12/9/2019.
11 AB159968 LEASE TO HUTCHISON 3G AUSTRALIA PTY LIMITED OF THE

END OF PAGE 1 - CONTINUED OVER

FOLIO: 1/128344 PAGE 2

SECOND SCHEDULE (15 NOTIFICATIONS) (CONTINUED)

PART SHOWN HATCHED IN PLAN WITH AB159968. COMMENCES: 13/9/2019. EXPIRES: 12/9/2024.

12 *AB505226 RIGHT OF CARRIAGEWAY 5 WIDE AND VARIABLE WIDTH AFFECTING THE SITE DESIGNATED (R) IN DP1067893

AH11159 VARIATION OF EASEMENT AB505226 SITE VARIED AS SHOWN IN DP1171156

13 AI152053 LEASE TO TELSTRA CORPORATION LIMITED OF THE PART SHOWN HATCHED IN PLAN WITH AI152053. EXPIRES: 29/2/2016.

14 AI152054 LEASE TO TELSTRA CORPORATION LIMITED OF THE PART SHOWN HATCHED IN PLAN WITH AI152054. COMMENCES: 1/3/2016. EXPIRES: 28/2/2021.

15 AI152055 LEASE TO TELSTRA CORPORATION LIMITED OF THE PART SHOWN HATCHED IN PLAN WITH AI152055. COMMENCES: 1/3/2021. EXPIRES: 28/2/2026.

NOTATIONS

DP1058110 NOTE: PLAN OF ACQUISITION, ROADS ACT 1993
UNREGISTERED DEALINGS: PP DP1150650.

*** END OF SEARCH ***

* OUTSIDE OF SUBJECT AREA

Appendix E EPA Searches

Protection of the Environment Operations Act 1997

Licence Variation

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

WESTERN SYDNEY AREA HEALTH SERVICE,

ABN 34 214 591 549,

PO BOX 533,

WENTWORTHVILLE NSW 2145

STANDARD POST

Attention: Miss Carmen Gauci

Notice Number 1041629

File Number 300356

Date 20-Oct-2004

NOTICE OF VARIATION OF LICENCE NO. 6987

BACKGROUND

A. WESTERN SYDNEY AREA HEALTH SERVICE ("the licensee") is the holder of Environment Protection Licence No. 6987 ("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 BLACKTOWN ROAD, BLACKTOWN, NSW.

B. Licence varied as an outcome of the Licence Review conducted by the EPA under s78 of the POEO Act 1997.

VARIATION OF LICENCE NO. 6987

1. By this notice the EPA varies licence No. 6987 as set out in the Appendix. The Appendix is a copy of the provisions of the licence which are varied by this notice, marked with the variations that are made to them.
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:

- 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.

. . . . . .

Mr Steve Beaman

Manager

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: 6987**
- **File number: 300356**
- **Licence Anniversary Date: 20-August**
- **Review date not later than 01-Jun-2005**

Licence Type
Premises

Licensee
WESTERN SYDNEY AREA HEALTH SERVICE
PO BOX 533
WENTWORTHVILLE NSW 2145

Licensed Premises
BLACKTOWN HOSPITAL
BLACKTOWN ROAD
BLACKTOWN NSW 2148

Fee Based Activity	Scale
Hazardous, Industrial or Group A Waste Generation or Storage (73)	> 10 - 100 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~~1232

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

20-August

This licence is issued to

WESTERN SYDNEY AREA HEALTH SERVICE
PO BOX 533
WENTWORTHVILLE NSW 2145

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)	> 10 - 100 T

A1.3 Not applicable.

A2 Premises to which this licence applies

A2.1 The licence applies to the following premises:

Premises Details
BLACKTOWN HOSPITAL
BLACKTOWN ROAD
BLACKTOWN
NSW
2148
LOT308 DP15914

A3 Other activities

A3.1 Not applicable.

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.

L5.3 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.

(a) ~~Grease trap~~Clinical and related waste (R100)
(b) Cytotoxic waste (R130)
(c) Waste pharmaceuticals, drugs and medicines (R120)

~~(b) Clinical and related waste~~

L5.4 The quantity of hazardous/and/or industrial and/or Group A waste generated and/or stored on the premises must not exceed 100 tonnes per year.

L6 Noise Limits

L6.1 Not applicable.

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~~The licensee must ~~develop~~have, 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 05.3 (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 06.8 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 06.3, 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 as listed in L5.3, within NSW.

Regular reporting

R4.2 The licensee must supply to the EPA, for each transporter that transported waste from the licensees 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.

Note: The EPA should be notified of exception reports by sending a facsimile to:
Manager, Hazardous Waste Regulation
NSW Environment Protection Authority

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

*[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*

*[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	In relation to a particular consignment of waste means the State or Territory in which

destination	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 *"Environmental Guidelines: Assessment, Classification and Management of Liquid and Non-Liquid Wastes"* 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)

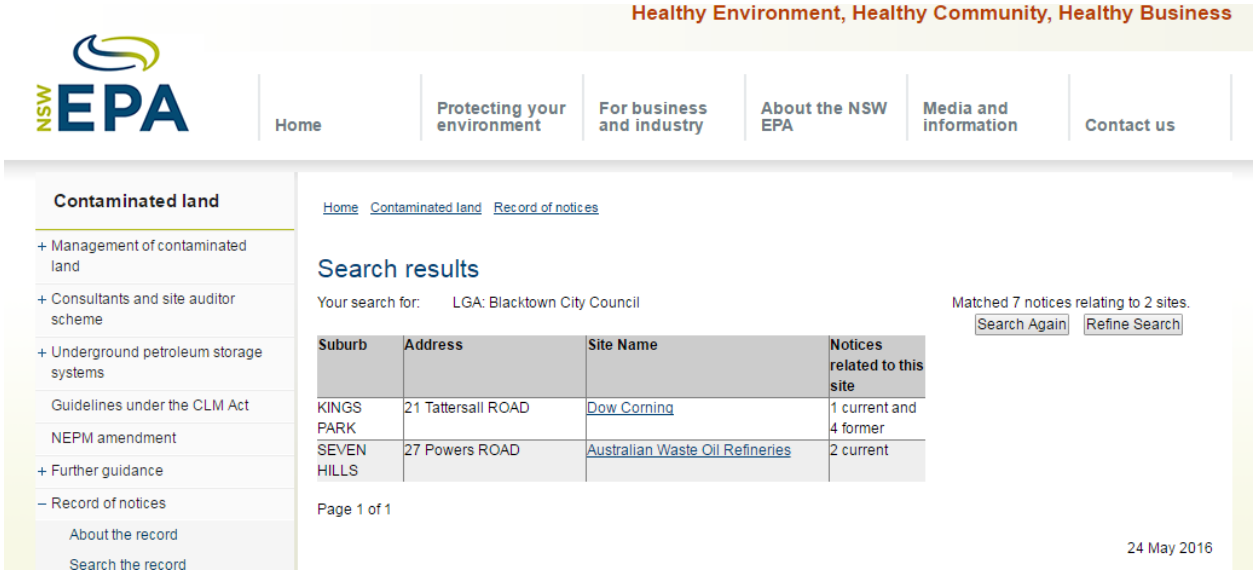
Date of this edition - 06-Dec-2002

End Notes

1	Licence varied by notice 1019125, issued on 25-Jul-2002, which came into effect on 19-Aug-2002.
2	Licence transferred through application 141383, approved on 08-Aug-2002, which came into effect on 08-Aug-2002.
3	Licence fee period changed by notice 1019649 on 08-Aug-2002.
4	Licence varied by Admin corrections to archived record, issued on 06-Dec-2002, which came into effect on 06-Dec-2002.

EPA Public Record Search

Blacktown Hospital Stage 2 Redevelopment

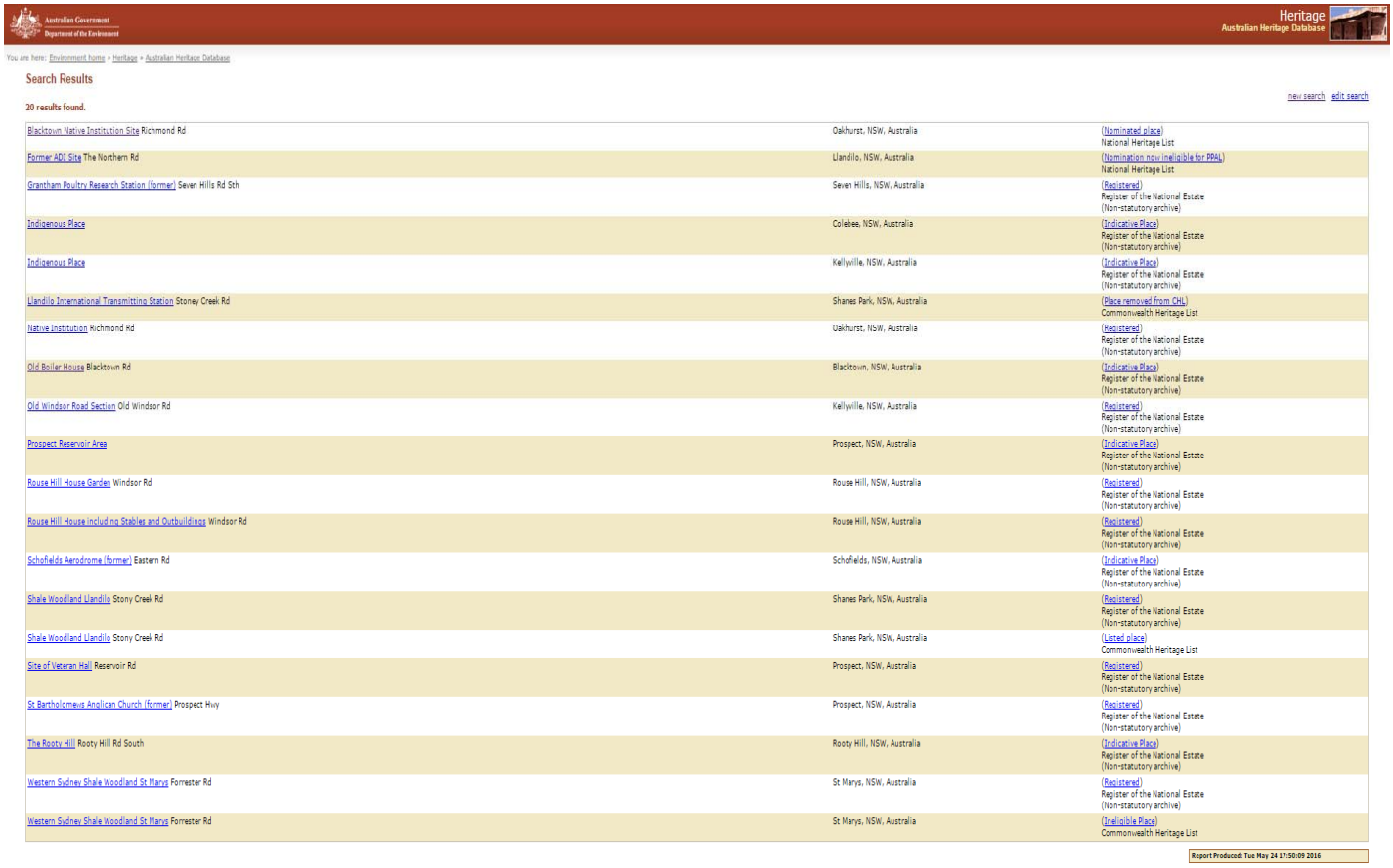


Appendix F Heritage Records

NSW Heritage Register Results

Blacktown Hospital Stage 2 Redevelopment.

One site identified in proximity to the site – Old Boiler House.



Australian Government
Department of the Environment

Heritage
Australian Heritage Database

You are here: Environment home » Heritage » Australian Heritage Database

Search Results

20 results found.

new search edit search

Blacktown Native Institution Site Richmond Rd	Oakhurst, NSW, Australia	(Nominated place) National Heritage List
Former ADI Site The Northern Rd	Llandilo, NSW, Australia	(Nomination now ineligible for PPAL) National Heritage List
Grantham Poultry Research Station (former) Seven Hills Rd Sth	Seven Hills, NSW, Australia	(Registered) Register of the National Estate (Non-statutory archive)
Indigenous Place	Colebee, NSW, Australia	(Indicative Place) Register of the National Estate (Non-statutory archive)
Indigenous Place	Kellyville, NSW, Australia	(Indicative Place) Register of the National Estate (Non-statutory archive)
Llandilo International Transmitting Station Stoney Creek Rd	Shanes Park, NSW, Australia	(Place removed from CHL) Commonwealth Heritage List
Native Institution Richmond Rd	Oakhurst, NSW, Australia	(Registered) Register of the National Estate (Non-statutory archive)
Old Boiler House Blacktown Rd	Blacktown, NSW, Australia	(Indicative Place) Register of the National Estate (Non-statutory archive)
Old Windsor Road Section Old Windsor Rd	Kellyville, NSW, Australia	(Registered) Register of the National Estate (Non-statutory archive)
Prospect Reservoir Area	Prospect, NSW, Australia	(Indicative Place) Register of the National Estate (Non-statutory archive)
Rouse Hill House Garden Windsor Rd	Rouse Hill, NSW, Australia	(Registered) Register of the National Estate (Non-statutory archive)
Rouse Hill House including Stables and Outbuildings Windsor Rd	Rouse Hill, NSW, Australia	(Registered) Register of the National Estate (Non-statutory archive)
Schofields Aerodrome (former) Eastern Rd	Schofields, NSW, Australia	(Indicative Place) Register of the National Estate (Non-statutory archive)
Shale Woodland Llandilo Stony Creek Rd	Shanes Park, NSW, Australia	(Registered) Register of the National Estate (Non-statutory archive)
Shale Woodland Llandilo Stony Creek Rd	Shanes Park, NSW, Australia	(Listed place) Commonwealth Heritage List
Site of Veteran Hall Reservoir Rd	Prospect, NSW, Australia	(Registered) Register of the National Estate (Non-statutory archive)
St Bartholomews Anglican Church (former) Prospect Hwy	Prospect, NSW, Australia	(Registered) Register of the National Estate (Non-statutory archive)
The Rooty Hill Rooty Hill Rd South	Rooty Hill, NSW, Australia	(Indicative Place) Register of the National Estate (Non-statutory archive)
Western Sydney Shale Woodland St Marys Forrester Rd	St Marys, NSW, Australia	(Registered) Register of the National Estate (Non-statutory archive)
Western Sydney Shale Woodland St Marys Forrester Rd	St Marys, NSW, Australia	(Ineligible Place) Commonwealth Heritage List

Report Produced: Tue May 24 17:50:09 2016

Appendix G Council Documentation (Section 149 Certificates)

Blacktown City Council

Applicant Details

Your reference BLACKTOWN HOSPITAL

M MURRAY
SUITE 1 , 50 MARGARET STREET
WYNYARD NSW 2000

Certificate Details

Certificate no. PL2016/15277 **Fee: $133.00**

Date issued 26 May 2016 **Urgency fee: N/A**

Receipt no. D000207953

Property information

Property ID 318570 **Land ID** 318570

Legal description LOT 1 DP 128344

Address 18 BLACKTOWN ROAD BLACKTOWN NSW 2148

County CUMBERLAND **Parish** PROSPECT

PLANNING CERTIFICATE (149 Part 2)

Blacktown City Council prepared this Planning Certificate under Section 149 of the *Environmental Planning and Assessment Act 1979*. The form and content of the Certificate is consistent with Schedule 4 of the *Environmental Planning and Assessment Regulation 2000*.

Disclaimer

Blacktown City Council gives notice and points out to all users of the information supplied herein, that the information herein has been compiled by Council from sources outside of Council's control. While the information herein is provided with all due care and in good faith, it is provided on the basis that Council will not accept any responsibility for and will not be liable for its contents or for any consequence arising from its use, and every user of such information is advised to make all necessary enquiries from the appropriate organisations, institutions and the like.

Blacktown City Council also gives notice to all users of the information supplied herein, wherever any particular enquiry herein remains unanswered or has not been elaborated upon, such silence should not be interpreted as meaning or inferring either a negative or a positive response as the case may be.

Section 149(2)

The following information is provided under Section 149(2) of the *Environmental Planning and Assessment Act 1979*. The information relates to the subject land at the date of this Certificate.

---

1. Names of relevant planning instruments and development control plans

1.1 Environmental Planning Instrument

Blacktown Local Environmental Plan 2015 applies to the subject land.

1.2 Proposed Local Environmental Plans

Not applicable.

1.3 Other Applicable State Environmental Planning Policies

Attachment 1 contains a list of State Environmental Planning Policies that may apply to the carrying out of development on the subject land.

1.4 Proposed State Environmental Planning Policies

Council is not aware of any proposed State Environmental Planning Policy that is or has been the subject of community consultation or on public exhibition under the Act, applying to the subject land.

1.5 Development control plans

Blacktown Development Control Plan 2015 applies to the subject land.

2. Zoning and land use under relevant environmental planning instruments

The following information will assist in determining how the subject land may be developed. It is recommended that you read this section in conjunction with a full copy of any relevant environmental planning instrument as there may be additional provisions that affect how the land may be developed.

2.1 Zoning

Under *Blacktown Local Environmental Plan 2015,* the land is zoned:

Zone SP1 Special Activities

Below is an extract from the principal Environmental Planning Instrument, outlining the types of development that may or may not be carried out in the above zone.

2 Permitted without consent

Environmental protection works; Flood mitigation works

3 Permitted with consent

Recreation areas; Roads; The purpose shown on the Land Zoning Map, including any development that is ordinarily incidental or ancillary to development for that purpose

4 Prohibited

Any development not specified in item 2 or 3.

2.2 Minimum land dimensions for the erection of a dwelling house

Not applicable

2.3 Critical habitat

The land does not include or comprise a critical habitat.

Note: Critical habitat registers are kept by the National Parks and Wildlife Service under the *Threatened Species Conservation Act 1995* and the Department of Fisheries under the *Fisheries Management Act 1994*.

2.4 Conservation areas

The land is not within a conservation area.

2.5 Environmental Heritage

This land is subject to a heritage classification by the National Trust. For further enquiries contact the National Trust of Australia.

3. Complying development

Complying development may or may not be carried out on the subject land under an Environmental Planning Policy. Council does not have sufficient information to determine the extent to which specific complying development may or may not be carried out.

4. Coastal protection

The subject land is not affected by the operation of Sections 38 or 39 of the *Coastal Protection Act, 1979*.

5. Mine subsidence

The subject land has not been proclaimed to be a mine subsidence district within the meaning of Section 15 of the *Mine Subsidence Compensation Act 1961*.

6. Road widening and road realignment

The subject land is not affected by road widening or road realignment

7. Council and other public authority policies on hazard risk restrictions

7.1 Contaminated Lands Policy and Asbestos Policy

Council has adopted a Contaminated Lands Policy and an Asbestos Policy which may restrict development on the subject land.

The Land Contamination Policy applies when zoning or land use changes are proposed on land which has previously been used for certain purposes or has the potential to be affected by such purposes undertaken on nearby lands. The Asbestos Policy applies where land contains, or is likely to have contained in the past, buildings or structures that were erected prior to the banning of asbestos. Both policies should be considered in the context of relevant State legislation and guidelines.

Council's records may not be sufficient to determine all previous uses on the land, or determine activities that may have taken place on this land.

7.2 Other policies on hazard risk restrictions

Council has not adopted any other policies to restrict the development of the subject land by reason of the likelihood of landslip, bushfire, tidal inundation, subsidence or the occurrence of acid sulphate soils.

Note: Although Council has not adopted a specific policy to restrict development bushfire prone land, it is bound by state-wide bushfire legislation that may restrict development on the subject land. Additional information relating to bushfire prone land is provided at point 11 below.

7a. Flood related development controls information

There are currently no mainstream or backwater flood-related development controls adopted by Council that apply to the land subject to this Certificate

8. Land reserved for acquisition

Blacktown Local Environmental Plan 2015 makes provision for land included on the Land Reservation Acquisition Map to be acquired by a public authority.

9. Contributions plans

Council currently levies contributions under Section 94 of the *Environmental Planning & Assessment Act 1979* for facilities and services. The further development of the subject land may incur such contributions.

Contributions Plan No. 19 - Blacktown Growth Precinct applies to the subject land.
Contributions Plan No. 3 - Open Space in Established Residential Areas applies to the subject land.
Draft Contributions Plan No.3 - Open Space in Established Residential Areas also applies to the subject land.

9a. Biodiversity certified land

The land is not biodiversity certified land as defined by Part 7AA of the *Threatened Species Conservation Act 1995*.

10. Biobanking agreements

The land is not subject to any biobanking agreement under Part 7A of the *Threatened Species Conservation Act 1995*.

11. Bushfire prone land

The Rural Fires and Environmental Assessment Legislation Amendment Act 2002, which came into force on 1 August 2002, introduced development provisions for bush fire prone land as shown on a Bush Fire Prone Land Map. "Bush fire prone land" is land that has been designated by the Commissioner of the NSW Rural Fire Service as being bush fire prone due to characteristics of vegetation and topography. The land the subject of this certificate has been identified on Council's Bush Fire Prone Land Map as being:

Clear of any bush fire prone land

On land that is bush fire prone, certain development may require further consideration under Section 79BA or Section 91 of the *Environmental Planning & Assessment Act 1979* and under Section 100B of the *Rural Fires Act 1997*.

12. Property vegetation plans

The subject land is not affected by a property vegetation plan under the *Native Vegetation Act 2003*. The Blacktown local government area is excluded from the operation of the *Native Vegetation Act 2003* (refer Schedule 1 Part 3 of that Act).

13. Orders under *Trees (Disputes Between Neighbours) Act 2006*

No. Council has not been notified of any order made under the *Trees (Disputes Between Neighbours) Act 2006* in relation to the subject land.

14. Directions under Part 3A

Land to which this Certificate applies is not subject to the above.

15. Site compatibility certificates and conditions for seniors housing

Land to which this Certificate applies is not subject to the above.

16. Site compatibility certificates for infrastructure

Land to which this Certificate applies is not subject to the above.

17. Site compatibility certificates and conditions for affordable rental housing

Land to which this Certificate applies is not subject to the above.

18. Paper subdivision information

Not applicable

19. Site verification certificates

Council is not aware of any site verification certificate applying to the subject land.

Under the *Contaminated Land Management Act 1997* and *Contaminated Land Management Amendment Act 2008*

(a) The land to which this certificate relates has not been declared to be significantly contaminated land at the date when the certificate was issued

(b) The land to which the certificate relates is not subject to a management order at the date when the certificate was issued

(c) The land to which this certificate relates is not the subject of an approved voluntary management proposal at the date when the certificate was issued

(d) The land to which this certificate relates is not subject to an ongoing maintenance order as at the date when the certificate was issued

(e) The land to which this certificate relates is not the subject of a site audit statement provided to the Council.

Section 149(5)

The following information is provided under Section 149(5) of the *Environmental Planning & Assessment Act 1979*. As per section 149(6) of the Act, Council shall not incur any liability in respect of any advice provided in good faith under section 149(5). 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 Certificate.

Planning Instruments and Covenants

The provisions of any covenant, agreement or instrument applying to this land that restrict or prohibit certain development may be inconsistent with the provisions of an environmental planning instrument. In such cases, the provisions of any such covenant, agreement or instrument may be overridden.

Biodiversity and Threatened Species Conservation

The land is affected by a tree preservation control under Clause 5.9 of the Blacktown Local Environmental Plan 2015. A person shall not ringbark, cut down, lop, top, remove, injure or wilfully destroy any tree, or cause any tree to be ringbarked, cut down, topped, lopped, injured or wilfully destroyed, except with the consent of the Council.

The provisions of any covenant, agreement or instrument applying to this land purporting to restrict or prohibit certain development may be inconsistent with the provisions of a Regional Environmental Plan, State Environmental Planning Policy or Blacktown Local Environmental Plan 2015, in which case the provisions of any such covenant, agreement or instrument may be overridden.

The *Threatened Species Conservation Act 1995* provides for the conservation of threatened species, populations and ecological communities of animals and plants.

The *Threatened Species Conservation Act 1995* amended the *Environmental Planning and Assessment Act 1979* to require, amongst other things, that:

(a) A critical habitat (as defined in the *Threatened Species Conservation Act 1995*) be identified in environmental planning instruments, and

(b) Consent authorities and determining authorities must, when considering proposed development or an activity, assess whether it is likely to significantly affect threatened species, populations and ecological communities, or their habitats, and, if a significant effect is likely, to require the preparation of a species impact statement in accordance with the requirements of the *Threatened Species Conservation Act 1995*, and

(c) Consent authorities and determining authorities must, when considering proposed development or an activity, have regard to the relevant recovery plans and threat abatement plans.

The *Environment Protection and Biodiversity Conservation Act 1999* provides protection for items of national significance. Items of national environmental significance include nationally threatened animal and plant species and ecological communities.

The Act requires a separate Commonwealth approval to be obtained where an action is likely to have significant impacts on items of national environmental significance.

For further information on this matter, please contact the Australian Government's Department of the Environment.

Attachment 1 – State Environmental Planning Policies

In addition to the principal environmental planning instrument identified in section 2.1 of this Certificate, the following State Environmental Planning Policies may also affect development on the subject land.

SEPP (Affordable Rental Housing) 2009
Establishes a consistent planning regime for the provision of affordable rental housing. The policy provides incentives for new affordable rental housing, facilitates the retention of existing affordable rentals, and expands the role of not-for-profit providers. It also aims to support local centres by providing housing for workers close to places of work, and facilitate development of housing for the homeless and other disadvantaged people.

SEPP Building Sustainability Index (BASIX) 2004
This SEPP operates in conjunction with *Environmental Planning and Assessment Amendment (Building Sustainability Index: BASIX) Regulation 2004* to ensure the effective introduction of BASIX in NSW. The SEPP ensures consistency in the implementation of BASIX throughout the State by overriding competing provisions in other environmental planning instruments and development control plans, and specifying that SEPP 1 does not apply in relation to any development standard arising under BASIX. The draft SEPP was exhibited together with draft *Environmental Planning and Assessment Amendment (Building Sustainability Index: BASIX) Regulation 2004*.

SEPP (Sydney Region Growth Centres) 2006
This policy provides for the coordinated release of land for residential, employment and other urban development in Sydney's North West and South West Growth Centres, in conjunction with the precinct planning provisions contained in the *Environmental Planning and Assessment Regulation 2000*.

SEPP (Housing for Seniors and People with a Disability) 2004
This policy encourages the development of high quality accommodation for the state's ageing population and for people who have disabilities, whilst ensuring development is in keeping with the local neighbourhood. Note the name of this policy was changed from *State Environmental Planning Policy (Seniors Living) 2004* to *State Environmental Planning Policy (Housing for Seniors or People with a Disability) 2004,* effective 12.10.07.

SEPP (Infrastructure) 2007
The aim of this policy is to facilitate the orderly and economic use and development of rural lands for rural and related purposes. The policy applies to local government areas that are not listed in clause 4Provides a consistent planning regime for infrastructure and the provision of services across NSW, along with providing for consultation with relevant public authorities during the assessment process. The SEPP supports greater flexibility in the location of infrastructure and service facilities along with improved regulatory certainty and efficiency.

SEPP (Miscellaneous Consent Provisions) 2007
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3A of the *Environmental Planning and Assessment Act 1979* and determined by the Minister for Planning. It also provides planning provisions for State significant sites. In addition, the SEPP identifies the council consent authority functions that may be carried out by joint regional planning panels (JRPPs) and classes of regional development to be determined by JRPPs. This SEPP was formerly known as *State Environmental Planning Policy (Major Projects) 2005*.

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Provides new definitions for 'hazardous industry', 'hazardous storage establishment', 'offensive industry' and 'offensive storage establishment'. The definitions apply to all planning instruments, existing and future. The new definitions enable decisions to approve or refuse a development to be based on the merit of proposal. The consent authority must careful consider the specifics the case, the location and the way in which the proposed activity is to be carried out. The policy also requires specified matters to be considered for proposals that are 'potentially hazardous' or 'potentially offensive' as defined in the policy. For example, any application to carry out a potentially hazardous or potentially offensive development is to be advertised for public comment, and applications to carry out potentially hazardous development must be supported by a preliminary hazard analysis (PHA). The policy does not change the role of councils as consent authorities, land zoning, or the designated development provisions of the Environmental Planning and Assessment Act 1979.

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Introduces state-wide planning controls for the remediation of contaminated land. The policy states that land must not be developed if it is unsuitable for a proposed use because it is contaminated. If the land is unsuitable, remediation must take place before the land is developed. The policy makes remediation permissible across the State, defines when consent is required, requires all remediation to comply with standards, ensures land is investigated if contamination is suspected, and requires councils to be notified of all remediation proposals. To assist councils and developers, the Department, in conjunction with the Environment Protection Authority, has prepared Managing Land Contamination: Planning Guidelines.

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General Manager

Per: _____

End of Certificate

Applicant Details

Your reference BLACKTOWN HOSPITAL

M MURRAY
SUITE 1 , 50 MARGARET STREET
WYNYARD NSW 2000

Certificate Details

Certificate no. PL2016/15260 **Fee: $133.00**

Date issued 26 May 2016 **Urgency fee: N/A**

Receipt no. D000207945

Property information

Property ID 318570 **Land ID** 141723

Legal description LOT 3 DP 71010

Address 18 BLACKTOWN ROAD BLACKTOWN NSW 2148

County CUMBERLAND **Parish** PROSPECT

PLANNING CERTIFICATE (149 Part 2)

Blacktown City Council prepared this Planning Certificate under Section 149 of the *Environmental Planning and Assessment Act 1979*. The form and content of the Certificate is consistent with Schedule 4 of the *Environmental Planning and Assessment Regulation 2000*.

Disclaimer

Blacktown City Council gives notice and points out to all users of the information supplied herein, that the information herein has been compiled by Council from sources outside of Council's control. While the information herein is provided with all due care and in good faith, it is provided on the basis that Council will not accept any responsibility for and will not be liable for its contents or for any consequence arising from its use, and every user of such information is advised to make all necessary enquiries from the appropriate organisations, institutions and the like.

Blacktown City Council also gives notice to all users of the information supplied herein, wherever any particular enquiry herein remains unanswered or has not been elaborated upon, such silence should not be interpreted as meaning or inferring either a negative or a positive response as the case may be.

Section 149(2)

The following information is provided under Section 149(2) of the *Environmental Planning and Assessment Act 1979*. The information relates to the subject land at the date of this Certificate.

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1. Names of relevant planning instruments and development control plans

1.1 Environmental Planning Instrument

Blacktown Local Environmental Plan 2015 applies to the subject land.

1.2 Proposed Local Environmental Plans

Not applicable.

1.3 Other Applicable State Environmental Planning Policies

Attachment 1 contains a list of State Environmental Planning Policies that may apply to the carrying out of development on the subject land.

1.4 Proposed State Environmental Planning Policies

Council is not aware of any proposed State Environmental Planning Policy that is or has been the subject of community consultation or on public exhibition under the Act, applying to the subject land.

1.5 Development control plans

Blacktown Development Control Plan 2015 applies to the subject land.

2. Zoning and land use under relevant environmental planning instruments

The following information will assist in determining how the subject land may be developed. It is recommended that you read this section in conjunction with a full copy of any relevant environmental planning instrument as there may be additional provisions that affect how the land may be developed.

2.1 Zoning

Under *Blacktown Local Environmental Plan 2015,* the land is zoned:

Zone SP1 Special Activities

Below is an extract from the principal Environmental Planning Instrument, outlining the types of development that may or may not be carried out in the above zone.

2 Permitted without consent

Environmental protection works; Flood mitigation works

3 Permitted with consent

Recreation areas; Roads; The purpose shown on the Land Zoning Map, including any development that is ordinarily incidental or ancillary to development for that purpose

4 Prohibited

Any development not specified in item 2 or 3.

2.2 Minimum land dimensions for the erection of a dwelling house

Not applicable

2.3 Critical habitat

The land does not include or comprise a critical habitat.

Note: Critical habitat registers are kept by the National Parks and Wildlife Service under the *Threatened Species Conservation Act 1995* and the Department of Fisheries under the *Fisheries Management Act 1994*.

2.4 Conservation areas

The land is not within a conservation area.

2.5 Environmental Heritage

The land does not contain an item of environmental heritage under the protection of Blacktown Local Environmental Plan 2015

3. Complying development

Complying development may or may not be carried out on the subject land under an Environmental Planning Policy. Council does not have sufficient information to determine the extent to which specific complying development may or may not be carried out.

4. Coastal protection

The subject land is not affected by the operation of Sections 38 or 39 of the *Coastal Protection Act, 1979*.

5. Mine subsidence

The subject land has not been proclaimed to be a mine subsidence district within the meaning of Section 15 of the *Mine Subsidence Compensation Act 1961*.

6. Road widening and road realignment

The subject land is not affected by road widening or road realignment

7. Council and other public authority policies on hazard risk restrictions

7.1 Contaminated Lands Policy and Asbestos Policy

Council has adopted a Contaminated Lands Policy and an Asbestos Policy which may restrict development on the subject land.

The Land Contamination Policy applies when zoning or land use changes are proposed on land which has previously been used for certain purposes or has the potential to be affected by such purposes undertaken on nearby lands. The Asbestos Policy applies where land contains, or is likely to have contained in the past, buildings or structures that were erected prior to the banning of asbestos. Both policies should be considered in the context of relevant State legislation and guidelines.

Council's records may not be sufficient to determine all previous uses on the land, or determine activities that may have taken place on this land.

7.2 Other policies on hazard risk restrictions

Council has not adopted any other policies to restrict the development of the subject land by reason of the likelihood of landslip, bushfire, tidal inundation, subsidence or the occurrence of acid sulphate soils.

Note: Although Council has not adopted a specific policy to restrict development bushfire prone land, it is bound by state-wide bushfire legislation that may restrict development on the subject land. Additional information relating to bushfire prone land is provided at point 11 below.

7a. Flood related development controls information

There are currently no mainstream or backwater flood-related development controls adopted by Council that apply to the land subject to this Certificate

8. Land reserved for acquisition

Blacktown Local Environmental Plan 2015 makes provision for land included on the Land Reservation Acquisition Map to be acquired by a public authority.

9. Contributions plans

Council currently levies contributions under Section 94 of the *Environmental Planning & Assessment Act 1979* for facilities and services. The further development of the subject land may incur such contributions.

Contributions Plan No. 19 - Blacktown Growth Precinct applies to the subject land.
Contributions Plan No. 3 - Open Space in Established Residential Areas applies to the subject land.
Draft Contributions Plan No.3 - Open Space in Established Residential Areas also applies to the subject land.

9a. Biodiversity certified land

The land is not biodiversity certified land as defined by Part 7AA of the *Threatened Species Conservation Act 1995*.

10. Biobanking agreements

The land is not subject to any biobanking agreement under Part 7A of the *Threatened Species Conservation Act 1995*.

11. Bushfire prone land

The Rural Fires and Environmental Assessment Legislation Amendment Act 2002, which came into force on 1 August 2002, introduced development provisions for bush fire prone land as shown on a Bush Fire Prone Land Map. "Bush fire prone land" is land that has been designated by the Commissioner of the NSW Rural Fire Service as being bush fire prone due to characteristics of vegetation and topography. The land the subject of this certificate has been identified on Council's Bush Fire Prone Land Map as being:

Clear of any bush fire prone land

On land that is bush fire prone, certain development may require further consideration under Section 79BA or Section 91 of the *Environmental Planning & Assessment Act 1979* and under Section 100B of the *Rural Fires Act 1997*.

12. Property vegetation plans

The subject land is not affected by a property vegetation plan under the *Native Vegetation Act 2003*. The Blacktown local government area is excluded from the operation of the *Native Vegetation Act 2003* (refer Schedule 1 Part 3 of that Act).

13. Orders under *Trees (Disputes Between Neighbours) Act 2006*

No. Council has not been notified of any order made under the *Trees (Disputes Between Neighbours) Act 2006* in relation to the subject land.

14. Directions under Part 3A

Land to which this Certificate applies is not subject to the above.

15. Site compatibility certificates and conditions for seniors housing

Land to which this Certificate applies is not subject to the above.

16. Site compatibility certificates for infrastructure

Land to which this Certificate applies is not subject to the above.

17. Site compatibility certificates and conditions for affordable rental housing

Land to which this Certificate applies is not subject to the above.

18. Paper subdivision information

Not applicable

19. Site verification certificates

Council is not aware of any site verification certificate applying to the subject land.

Under the *Contaminated Land Management Act 1997* and *Contaminated Land Management Amendment Act 2008*

(a) The land to which this certificate relates has not been declared to be significantly contaminated land at the date when the certificate was issued

(b) The land to which the certificate relates is not subject to a management order at the date when the certificate was issued

(c) The land to which this certificate relates is not the subject of an approved voluntary management proposal at the date when the certificate was issued

(d) The land to which this certificate relates is not subject to an ongoing maintenance order as at the date when the certificate was issued

(e) The land to which this certificate relates is not the subject of a site audit statement provided to the Council.

Section 149(5)

The following information is provided under Section 149(5) of the *Environmental Planning & Assessment Act 1979*. As per section 149(6) of the Act, Council shall not incur any liability in respect of any advice provided in good faith under section 149(5). 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 Certificate.

Planning Instruments and Covenants

The provisions of any covenant, agreement or instrument applying to this land that restrict or prohibit certain development may be inconsistent with the provisions of an environmental planning instrument. In such cases, the provisions of any such covenant, agreement or instrument may be overridden.

Biodiversity and Threatened Species Conservation

The land is affected by a tree preservation control under Clause 5.9 of the Blacktown Local Environmental Plan 2015. A person shall not ringbark, cut down, lop, top, remove, injure or wilfully destroy any tree, or cause any tree to be ringbarked, cut down, topped, lopped, injured or wilfully destroyed, except with the consent of the Council.

The provisions of any covenant, agreement or instrument applying to this land purporting to restrict or prohibit certain development may be inconsistent with the provisions of a Regional Environmental Plan, State Environmental Planning Policy or Blacktown Local Environmental Plan 2015, in which case the provisions of any such covenant, agreement or instrument may be overridden.

The *Threatened Species Conservation Act 1995* provides for the conservation of threatened species, populations and ecological communities of animals and plants.

The *Threatened Species Conservation Act 1995* amended the *Environmental Planning and Assessment Act 1979* to require, amongst other things, that:

(a) A critical habitat (as defined in the *Threatened Species Conservation Act 1995*) be identified in environmental planning instruments, and

(b) Consent authorities and determining authorities must, when considering proposed development or an activity, assess whether it is likely to significantly affect threatened species, populations and ecological communities, or their habitats, and, if a significant effect is likely, to require the preparation of a species impact statement in accordance with the requirements of the *Threatened Species Conservation Act 1995*, and

(c) Consent authorities and determining authorities must, when considering proposed development or an activity, have regard to the relevant recovery plans and threat abatement plans.

The *Environment Protection and Biodiversity Conservation Act 1999* provides protection for items of national significance. Items of national environmental significance include nationally threatened animal and plant species and ecological communities.

The Act requires a separate Commonwealth approval to be obtained where an action is likely to have significant impacts on items of national environmental significance.

For further information on this matter, please contact the Australian Government's Department of the Environment.

Attachment 1 – State Environmental Planning Policies

In addition to the principal environmental planning instrument identified in section 2.1 of this Certificate, the following State Environmental Planning Policies may also affect development on the subject land.

SEPP (Affordable Rental Housing) 2009
Establishes a consistent planning regime for the provision of affordable rental housing. The policy provides incentives for new affordable rental housing, facilitates the retention of existing affordable rentals, and expands the role of not-for-profit providers. It also aims to support local centres by providing housing for workers close to places of work, and facilitate development of housing for the homeless and other disadvantaged people.

SEPP Building Sustainability Index (BASIX) 2004
This SEPP operates in conjunction with *Environmental Planning and Assessment Amendment (Building Sustainability Index: BASIX) Regulation 2004* to ensure the effective introduction of BASIX in NSW. The SEPP ensures consistency in the implementation of BASIX throughout the State by overriding competing provisions in other environmental planning instruments and development control plans, and specifying that SEPP 1 does not apply in relation to any development standard arising under BASIX. The draft SEPP was exhibited together with draft *Environmental Planning and Assessment Amendment (Building Sustainability Index: BASIX) Regulation 2004.*

SEPP (Sydney Region Growth Centres) 2006
This policy provides for the coordinated release of land for residential, employment and other urban development in Sydney's North West and South West Growth Centres, in conjunction with the precinct planning provisions contained in the *Environmental Planning and Assessment Regulation 2000.*

SEPP (Housing for Seniors and People with a Disability) 2004
This policy encourages the development of high quality accommodation for the state's ageing population and for people who have disabilities, whilst ensuring development is in keeping with the local neighbourhood. Note the name of this policy was changed from *State Environmental Planning Policy (Seniors Living) 2004* to *State Environmental Planning Policy (Housing for Seniors or People with a Disability) 2004,* effective 12.10.07.

SEPP (Infrastructure) 2007
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General Manager

Per: _____

End of Certificate

Appendix H Laboratory Reports and Chain of Custody Documentation

12 Ashley Street, Chatswood, NSW 2067
tel: +61 2 9910 6200

email: sydney@envirolab.com.au
envirolab.com.au

Envirolab Services Pty Ltd - Sydney | ABN 37 112 535 645

CERTIFICATE OF ANALYSIS 137458

Client:
JBS & G (NSW & WA) Pty Ltd
Level 1, 50 Margaret St
Sydney
NSW 2000

Attention: D Denaro

Sample log in details:

Your Reference:	**51189, Blacktown Hospital**		
No. of samples:	3 Soils		
Date samples received / completed instructions received	16/11/15	/	16/11/15

Analysis Details:
Please refer to the following pages for results, methodology summary and quality control data.
Samples were analysed as received from the client. Results relate specifically to the samples as received.
Results are reported on a dry weight basis for solids and on an as received basis for other matrices.
Please refer to the last page of this report for any comments relating to the results.

Report Details:

Date results requested by: / Issue Date:	18/11/15	/	18/11/15
Date of Preliminary Report:	Not issued		

NATA accreditation number 2901. This document shall not be reproduced except in full.
Accredited for compliance with ISO/IEC 17025. **Tests not covered by NATA are denoted with *.**

Results Approved By:

Jacinta Hurst
Laboratory Manager

vTRH(C6-C10)/BTEXN in Soil				
Our Reference:	UNITS	137458-1	137458-2	137458-3
Your Reference	----------	QC01	QC02	QC03
Date Sampled	----------	13/11/2015	13/11/2015	13/11/2015
Type of sample		Soil	Soil	Soil
Date extracted	-	17/11/2015	17/11/2015	17/11/2015
Date analysed	-	18/11/2015	18/11/2015	18/11/2015
TRHC$_6$ - C$_9$	mg/kg	<25	<25	<25
TRHC$_6$ - C$_{10}$	mg/kg	<25	<25	<25
vTPHC$_6$ - C$_{10}$ less BTEX (F1)	mg/kg	<25	<25	<25
Benzene	mg/kg	<0.2	<0.2	<0.2
Toluene	mg/kg	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<1	<1	<1
m+p-xylene	mg/kg	<2	<2	<2
o-Xylene	mg/kg	<1	<1	<1
naphthalene	mg/kg	<1	<1	<1
Surrogate aaa-Trifluorotoluene	%	94	88	85

svTRH (C10-C40) in Soil				
Our Reference:	UNITS	137458-1	137458-2	137458-3
Your Reference	----------	QC01	QC02	QC03
Date Sampled	----------	13/11/2015	13/11/2015	13/11/2015
Type of sample		Soil	Soil	Soil
Date extracted	-	17/11/2015	17/11/2015	17/11/2015
Date analysed	-	18/11/2015	18/11/2015	18/11/2015
TRHC$_{10}$ - C$_{14}$	mg/kg	<50	<50	<50
TRHC$_{15}$ - C$_{28}$	mg/kg	<100	<100	<100
TRHC$_{29}$ - C$_{36}$	mg/kg	230	200	<100
TRH>C$_{10}$-C$_{16}$	mg/kg	<50	<50	<50
TRH>C$_{10}$ - C$_{16}$ less Naphthalene (F2)	mg/kg	<50	<50	<50
TRH>C$_{16}$-C$_{34}$	mg/kg	200	150	<100
TRH>C$_{34}$-C$_{40}$	mg/kg	260	260	130
Surrogate o-Terphenyl	%	81	81	80

PAHs in Soil				
Our Reference:	UNITS	137458-1	137458-2	137458-3
Your Reference	----------	QC01	QC02	QC03
Date Sampled	----------	13/11/2015	13/11/2015	13/11/2015
Type of sample		Soil	Soil	Soil
Date extracted	-	17/11/2015	17/11/2015	17/11/2015
Date analysed	-	17/11/2015	17/11/2015	17/11/2015
Naphthalene	mg/kg	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.3	0.7	<0.1
Anthracene	mg/kg	<0.1	0.2	<0.1
Fluoranthene	mg/kg	0.6	1.0	<0.1
Pyrene	mg/kg	0.6	1.0	<0.1
Benzo(a)anthracene	mg/kg	0.2	0.5	<0.1
Chrysene	mg/kg	0.3	0.5	<0.1
Benzo(b,j+k)fluoranthene	mg/kg	0.4	0.7	<0.2
Benzo(a)pyrene	mg/kg	0.2	0.4	<0.05
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	0.2	<0.1
Dibenzo(a,h)anthracene	mg/kg	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	mg/kg	0.1	0.2	<0.1
Benzo(a)pyrene TEQ calc (zero)	mg/kg	<0.5	0.6	<0.5
Benzo(a)pyrene TEQ calc(half)	mg/kg	<0.5	0.6	<0.5
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	<0.5	0.7	<0.5
Total Positive PAHs	mg/kg	2.8	5.5	NIL (+)VE
Surrogate p-Terphenyl-d14	%	89	98	96

Acid Extractable metals in soil				
Our Reference:	UNITS	137458-1	137458-2	137458-3
Your Reference	----------	QC01	QC02	QC03
Date Sampled	----------	13/11/2015	13/11/2015	13/11/2015
Type of sample		Soil	Soil	Soil
Date prepared	-	17/11/2015	17/11/2015	17/11/2015
Date analysed	-	17/11/2015	17/11/2015	17/11/2015
Arsenic	mg/kg	<4	<4	5
Cadmium	mg/kg	<0.4	<0.4	<0.4
Chromium	mg/kg	14	16	11
Copper	mg/kg	32	30	28
Lead	mg/kg	22	24	10
Mercury	mg/kg	<0.1	<0.1	<0.1
Nickel	mg/kg	10	14	5
Zinc	mg/kg	50	46	22

Moisture				
Our Reference:	UNITS	137458-1	137458-2	137458-3
Your Reference	----------	QC01	QC02	QC03
Date Sampled	----------	13/11/2015	13/11/2015	13/11/2015
Type of sample		Soil	Soil	Soil
Date prepared	-	17/11/2015	17/11/2015	17/11/2015
Date analysed	-	18/11/2015	18/11/2015	18/11/2015
Moisture	%	8.7	8.3	15

Asbestos ID - soils				
Our Reference:	UNITS	137458-1	137458-2	137458-3
Your Reference	----------	QC01	QC02	QC03
Date Sampled	----------	13/11/2015	13/11/2015	13/11/2015
Type of sample		Soil	Soil	Soil
Date analysed	-	18/11/2015	18/11/2015	18/11/2015
Sample mass tested	g	Approx. 85g	Approx. 60g	Approx. 40g
Sample Description	-	Brown coarse grain soil & rocks	Brown coarse grain soil & rocks	Brown coarse grain soil & rocks
Asbestos ID in soil	-	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected

Method ID	Methodology Summary
Org-016	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.
Org-014	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS.
Org-003	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.
Org-012	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013. For soil results:- 1. 'TEQ PQL' values are assuming all contributing PAHs reported as <PQL are actually at the PQL. This is the most conservative approach and can give false positive TEQs given that PAHs that contribute to the TEQ calculation may not be present. 2. 'TEQ zero' values are assuming all contributing PAHs reported as <PQL are zero. This is the least conservative approach and is more susceptible to false negative TEQs when PAHs that contribute to the TEQ calculation are present but below PQL. 3. 'TEQ half PQL' values are assuming all contributing PAHs reported as <PQL are half the stipulated PQL. Hence a mid-point between the most and least conservative approaches above. Note, the Total +ve PAHs PQL is reflective of the lowest individual PQL and is therefore" Total +ve PAHs" is simply a sum of the positive individual PAHs.
Metals-020 ICP-AES	Determination of various metals by ICP-AES.
Metals-021 CV-AAS	Determination of Mercury by Cold Vapour AAS.
Inorg-008	Moisture content determined by heating at 105+/-5 deg C for a minimum of 12 hours.
ASB-001	Asbestos ID - Qualitative identification of asbestos in bulk samples using Polarised Light Microscopy and Dispersion Staining Techniques including Synthetic Mineral Fibre and Organic Fibre as per Australian Standard 4964-2004.

QUALITY CONTROL vTRH(C6-C10)/BTEXN in Soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate results Base ll Duplicate ll %RPD	Spike Sm#	Spike % Recovery
Date extracted	-			17/11/2015	[NT]	[NT]	LCS-5	17/11/2015
Date analysed	-			18/11/2015	[NT]	[NT]	LCS-5	18/11/2015
TRHC$_6$ - C$_9$	mg/kg	25	Org-016	<25	[NT]	[NT]	LCS-5	98%
TRHC$_6$ - C$_{10}$	mg/kg	25	Org-016	<25	[NT]	[NT]	LCS-5	98%
Benzene	mg/kg	0.2	Org-016	<0.2	[NT]	[NT]	LCS-5	86%
Toluene	mg/kg	0.5	Org-016	<0.5	[NT]	[NT]	LCS-5	92%
Ethylbenzene	mg/kg	1	Org-016	<1	[NT]	[NT]	LCS-5	103%
m+p-xylene	mg/kg	2	Org-016	<2	[NT]	[NT]	LCS-5	104%
o-Xylene	mg/kg	1	Org-016	<1	[NT]	[NT]	LCS-5	108%
naphthalene	mg/kg	1	Org-014	<1	[NT]	[NT]	[NR]	[NR]
Surrogate aaa-Trifluorotoluene	%		Org-016	87	[NT]	[NT]	LCS-5	92%

QUALITY CONTROL svTRH (C10-C40) in Soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate results Base ll Duplicate ll %RPD	Spike Sm#	Spike % Recovery
Date extracted	-			17/11/2015	[NT]	[NT]	LCS-5	17/11/2015
Date analysed	-			17/11/2015	[NT]	[NT]	LCS-5	17/11/2015
TRHC$_{10}$ - C$_{14}$	mg/kg	50	Org-003	<50	[NT]	[NT]	LCS-5	103%
TRHC$_{15}$ - C$_{28}$	mg/kg	100	Org-003	<100	[NT]	[NT]	LCS-5	90%
TRHC$_{29}$ - C$_{36}$	mg/kg	100	Org-003	<100	[NT]	[NT]	LCS-5	80%
TRH>C$_{10}$-C$_{16}$	mg/kg	50	Org-003	<50	[NT]	[NT]	LCS-5	103%
TRH>C$_{16}$-C$_{34}$	mg/kg	100	Org-003	<100	[NT]	[NT]	LCS-5	90%
TRH>C$_{34}$-C$_{40}$	mg/kg	100	Org-003	<100	[NT]	[NT]	LCS-5	80%
Surrogate o-Terphenyl	%		Org-003	95	[NT]	[NT]	LCS-5	92%

QUALITY CONTROL PAHs in Soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate results Base ll Duplicate ll %RPD	Spike Sm#	Spike % Recovery
Date extracted	-			17/11/2015	[NT]	[NT]	LCS-5	17/11/2015
Date analysed	-			17/11/2015	[NT]	[NT]	LCS-5	17/11/2015
Naphthalene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	LCS-5	112%
Acenaphthylene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	[NR]	[NR]
Acenaphthene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	[NR]	[NR]
Fluorene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	LCS-5	123%
Phenanthrene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	LCS-5	102%
Anthracene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	[NR]	[NR]
Fluoranthene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	LCS-5	109%
Pyrene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	LCS-5	113%
Benzo(a)anthracene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	[NR]	[NR]
Chrysene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	LCS-5	121%
Benzo(b,j+k) fluoranthene	mg/kg	0.2	Org-012	<0.2	[NT]	[NT]	[NR]	[NR]

QUALITY CONTROL PAHs in Soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate results Base ll Duplicate ll %RPD	Spike Sm#	Spike % Recovery
Benzo(a)pyrene	mg/kg	0.05	Org-012	<0.05	[NT]	[NT]	LCS-5	104%
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	[NR]	[NR]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	[NR]	[NR]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-012	<0.1	[NT]	[NT]	[NR]	[NR]
Surrogate p-Terphenyl-d14	%		Org-012	99	[NT]	[NT]	LCS-5	103%
QUALITY CONTROL Acid Extractable metals in soil	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate results Base ll Duplicate ll %RPD	Spike Sm#	Spike % Recovery
Date prepared	-			17/11/2015	[NT]	[NT]	LCS-8	17/11/2015
Date analysed	-			17/11/2015	[NT]	[NT]	LCS-8	17/11/2015
Arsenic	mg/kg	4	Metals-020 ICP-AES	<4	[NT]	[NT]	LCS-8	115%
Cadmium	mg/kg	0.4	Metals-020 ICP-AES	<0.4	[NT]	[NT]	LCS-8	112%
Chromium	mg/kg	1	Metals-020 ICP-AES	<1	[NT]	[NT]	LCS-8	112%
Copper	mg/kg	1	Metals-020 ICP-AES	<1	[NT]	[NT]	LCS-8	114%
Lead	mg/kg	1	Metals-020 ICP-AES	<1	[NT]	[NT]	LCS-8	109%
Mercury	mg/kg	0.1	Metals-021 CV-AAS	<0.1	[NT]	[NT]	LCS-8	93%
Nickel	mg/kg	1	Metals-020 ICP-AES	<1	[NT]	[NT]	LCS-8	108%
Zinc	mg/kg	1	Metals-020 ICP-AES	<1	[NT]	[NT]	LCS-8	109%

Report Comments:

Asbestos: Excessive sample volume was provided for asbestos analysis. A portion of the supplied sample was sub-sampled according to Envirolab procedures. We cannot guarantee that this sub-sample is indicative of the entire sample. Envirolab recommends supplying 40-50g (50mL) of sample in its own container as per AS4964-2004.

Note: Sample 137458-3 was sub-sampled from a bag provided by the client.

Asbestos ID was analysed by Approved Identifier: Paul Ching

Asbestos ID was authorised by Approved Signatory: Paul Ching

INS: Insufficient sample for this test
NR: Test not required
<: Less than

PQL: Practical Quantitation Limit
RPD: Relative Percent Difference
>: Greater than

NT: Not tested
NA: Test not required
LCS: Laboratory Control Sample

Quality Control Definitions

Blank: This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.

Duplicate: This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.

Matrix Spike : A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.

LCS (Laboratory Control Sample) : This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.

Surrogate Spike: Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.
Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.
Spikes for Physical and Aggregate Tests are not applicable.
For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: <5xPQL - any RPD is acceptable; >5xPQL - 0-50% RPD is acceptable.
Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals; 60-140% for organics (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

03979

CHAIN OF CUSTODY

JBS&G

PROJECT NO.: 51189
PROJECT NAME: Blacktown Hospital
SEND REPORT TO: d.denaro SEND INVOICE TO: D. Denaro / adminNSW
DATE NEEDED BY: 2 day TAT

LABORATORY BATCH NO.:
SAMPLERS: D. Denaro
PHONE: SYDNEY 02 8245 0300 – PERTH 08 9488 0100 EMAIL: ddenaro@...
QC LEVEL: NEPM (2013)

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Asb*	Heavy Metals	TRH/BTEX	PAH	OCP	OPP	NOTES:
QC01 1	Soil	13-11		J + 50mL bag		x	x	x	x	x*	x*	* Pres/Labs
QC02 2	↓	↓		↓		↓	↓	↓	↓	↓	↓	
QC03 3	↓	↓		↓		↓	↓	↓	↓	↓	↓	

ENVIROLAB GROUP
Envirolab Services
12 Ashley St
Chatswood NSW 2067
Ph: (02) 9910 6200

Job No: 137456
Date Received: 16.11.2015
Time Received: 16:15
Received by: PL
Temp: Cool/Ambient 12.7
Cooling: Ice/Icepack
Security: Intact/Broken/None

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: DATE: 16-11	CONSIGNMENT NOTE NO.	NAME: P.Raj	COOLER SEAL – Yes ..... No ..... Intact ..... Broken .....
OF: JBS&G	TRANSPORT CO.	DATE: 16.11.2015	
		OF: 16:15	COOLER TEMP 12.7 deg C
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF:	TRANSPORT CO	OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

03967 4.

CHAIN OF COUSTODY

JBS&G

PROJECT NO.: 51189	LABORATORY BATCH NO.:
PROJECT NAME: Blacktown Hospital	SAMPLERS: D. Denaro
SEND REPORT TO: D. Denaro — SEND INVOICE TO: adminNSW@...	PHONE: SYDNEY 02 8245 0300 – PERTH 08 9488 0100 EMAIL: ddenaro@...
DATE NEEDED BY: COB Tuesday 17.11.15	QC LEVEL: NEPM (2013)

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL: Building

479519.

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Hold	R16*	[illegible]	NOTES:
BH01-C	Soil	13.11		Jars		X			~~*Asbestos + Foreign mat. on separa COC.~~
D	-						X		
N	-							X	
BH02-C						X			
D	-						X		
N	-							X	* Ckg bag
BH03-C						X			on other
D	-						X		
BH04-C						X			CoC.
D	-						X		
N	-							X	
BH05-C						X			
D	-						X		
BH06-C						X			
D	-						X		
N	-							X	
BH07-C						X			
D	-						X		
~~[illegible]~~									

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: DATE: OF: JBS&G	CONSIGNMENT NOTE NO. TRANSPORT CO.	NAME: Ellen Ng DATE: 13/11/15 1930. OF: Envirolab	COOLER SEAL – Yes....... No .... Intact .... Broken .... COOLER TEMP .... deg C
NAME: DATE: OF:	CONSIGNMENT NOTE NO. TRANSPORT CO	NAME: DATE: OF:	COOLER SEAL – Yes....... No .... Intact .... Broken .... COOLER TEMP .... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Ot

03968 Jars.

CHAIN OF CUSTODY

JBS&G

PROJECT NO.: 51189
PROJECT NAME:
SEND REPORT TO: SEND INVOICE TO:
DATE NEEDED BY: COB Tuesday
COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

LABORATORY BATCH NO.:
SAMPLERS:
PHONE: SYDNEY 02 8245 0300 – PERTH 08 9488 0100 EMAIL:
QC LEVEL: NEPM (2013)

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Hold	RL1	SB2	NOTES:
[redacted]	Soil	13.11		Jars					
[redacted]									
BH10 - C						X			
0 -							X		
BH11 - C						X			
0 -							X		
BH12 - C						X			
0 -							X		
BH13 - C						X			
0 -							X		
V -								X	
[redacted]									
[redacted]									
BH16 - C						X			
0 -							X		
BH17 - C						X			

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE: 13/11/15	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G	TRANSPORT CO.	OF: 1930	COOLER TEMP ..... deg C
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF:	TRANSPORT CO	OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Otl

03969

CHAIN OF CUSTODY

JBS&G

PROJECT NO.: 57189
PROJECT NAME:
SEND REPORT TO: SEND INVOICE TO:
DATE NEEDED BY: COB Tuesday
COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

LABORATORY BATCH NO.:
SAMPLERS:
PHONE: SYDNEY 02 8245 0300 – PERTH 08 9488 0100 EMAIL:
QC LEVEL: NEPM (2013)

479519

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Hold	RL7	VB7	NOTES:
BH17-0.5							X		
BH17-1.0								X	
BH18-0.5						X			
BH18-1.0							X		
BH19-0.5						X			
BH19-1.0							X		
BH20-0.5						X			
BH20-1.0							X		
BH21-0.5						X			
BH21-1.0							X		
BH22-0.5						X			
BH22-1.0							X		
[illegible]									

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE: 13/11/15	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G	TRANSPORT CO.	OF: 1030	COOLER TEMP ..... deg C
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF:	TRANSPORT CO	OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Ot

03977

CHAIN OF CUSTODY

JBS&G

PROJECT NO.:	LABORATORY BATCH NO.:
PROJECT NAME:	SAMPLERS:
SEND REPORT TO: SEND INVOICE TO:	PHONE: SYDNEY 02 8245 0300 – PERTH 08 9488 0100 EMAIL:
DATE NEEDED BY:	QC LEVEL: NEPM (2013)

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH
BH20					
21					
22					
23					
24					
25					
26				Priority	
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					

NOTES: ENM 47 94

479520

479521

479521

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: Ellen Wu DATE: 131115	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G	TRANSPORT CO.	OF: Effingo 19.30	COOLER TEMP ..... deg C
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF:	TRANSPORT CO	OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Otl

Sample Receipt 1 Syd

From: Daniel Denaro <DDenaro@jbsg.com.au>
Sent: Saturday, 14 November 2015 5:00 PM
To: Sample Receipt 1 Syd
Cc: EnviroSampleNSW
Subject: Re: Blacktown Hospital

Hey,

Foreign Materials Bags:
- Please let me know how you go with these on Monday. I will give you a call Monday morning to sort it out.

Sample Jars:
The sample with analysis requested, BH20-D, if there is another sample for that hole (BH20-C) on analysis, please analyse this instead. I just need one sample per borehole location.

Asbestos Bags:
Bags: 8, 9, 14, 15 should be on one of the asbestos COCs, perhaps the Roads one? If not, please analyse these for Pres/Abs

The bag on the right (more muddy) is BH22.

Please analyse the two bags pictured as BH33-V and BH35-V.

Good call on labelling as per the COC.

Daniel Denaro | Environmental Consultant| JBS&G
Sydney | Melbourne | Adelaide | Perth | Brisbane
Level 1, 50 Margaret Street Sydney NSW 2000
T: 02 8245 0300 | M: 0468 425 321 | www.jbsg.com.au
Contaminated Land | Groundwater Remediation | Auditing and Compliance | Assessments and Approvals | Occupational Hygiene and Monitoring

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From: Sample Receipt 1 Syd <sample_syd_1@eurofins.com.au>
Sent: Saturday, 14 November 2015 2:02 PM
To: Daniel Denaro
Cc: EnviroSampleNSW
Subject: FW: Blacktown Hospital

JW # 479519
479522
479523

Hi Daniel,
Just labelled the foreign material bags and there were extra samples placed on hold:
BH23-S
E
E1
E2
There are 2 bags that I can't locate the ID and one ID that is unclear, also missing 3 samples BH06, BH09 & BH22 hopefully Sue can have a better look on Monday & will let you know.
Many thanks

Ellen

Sample Receipt 1 Syd
Phone : +61 2 9900 8400
Email : sample_syd_1@eurofins.com.au

TAT Statistics removed to draw attention to our 2015 Client Survey
Win a $200 Coles/Myer voucher by completing our 5 minute client survey! - Click here to participate

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From: Sample Receipt 1 Syd
Sent: Saturday, 14 November 2015 12:51 PM
To: Daniel Denaro
Cc: EnviroSampleNSW
Subject: Blacktown Hospital

Hi Daniel,
Upon sorting Blacktown Hospital project:
Sample jars not received thus cancelled:
BH19-C on hold
BH20-D analysis requested

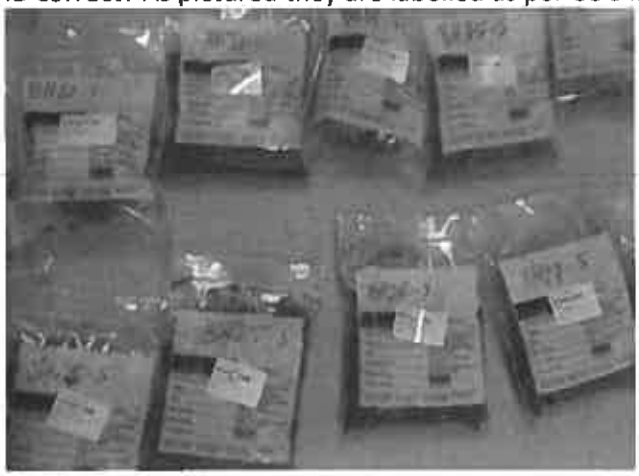
There was no analysis against BH23-D would this be R17?

Extra bags received:
BH08, BH09, BH14 & BH15 currently on hold, they had been scratched from the COC.

Two sample received BH21 and no BH22 can you distinguish the two pictured?

Missing BH33-V & BH35-V but have the below:

Lastly all samples upon the COC from BH23-BH36 bags are labelled as BH23-S -BH36-S is the COC correct or the bag ID correct? As pictured they are labelled as per COC ID.



Thanks
Ellen

Sample Receipt 1 Syd

Eurofins | mgt
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16 Mars Road
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AUSTRALIA
Phone : +61 2 9900 8400
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Website : environment.eurofins.com.au

TAT statistics removed to draw attention to our 2015 Client Survey
Win a $200 Coles/Myer voucher by completing our 5 minute client survey! Click here to participate

eurofins | mgt

Certificate of Analysis

JBS & G Australia (NSW & WA) P/L
Level 1, 50 Margaret St
Sydney
NSW 2000

NATA Accredited
Accreditation Number 1261
Site Number 1254

Accredited for compliance with ISO/IEC 17025. The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards.

Attention: **Daniel Denaro**

Report **479519-S**
Project name BLACKTOWN HOSPITAL: BULIDING
Project ID 51189
Received Date Nov 13, 2015

Client Sample ID			**BH01-D**	**BH01-N**	**BH02-D**	**BH02-N**
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins | mgt Sample No.			**S15-No10884**	**S15-No10885**	**S15-No10887**	**S15-No10888**
Date Sampled			**Nov 13, 2015**	**Nov 13, 2015**	**Nov 13, 2015**	**Nov 13, 2015**
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	< 50
TRH C10-36 (Total)	50	mg/kg	< 50	< 50	< 50	< 50
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	82	86	85	80
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	< 50	< 50
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5

Client Sample ID			BH01-D	BH01-N	BH02-D	BH02-N
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S15-No10884	S15-No10885	S15-No10887	S15-No10888
Date Sampled			Nov 13, 2015	Nov 13, 2015	Nov 13, 2015	Nov 13, 2015
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	71	79	72	77
p-Terphenyl-d14 (surr.)	1	%	73	85	77	82
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	< 0.1	-	< 0.1
4.4'-DDD	0.05	mg/kg	-	< 0.05	-	< 0.05
4.4'-DDE	0.05	mg/kg	-	< 0.05	-	< 0.05
4.4'-DDT	0.05	mg/kg	-	< 0.05	-	< 0.05
a-BHC	0.05	mg/kg	-	< 0.05	-	< 0.05
Aldrin	0.05	mg/kg	-	< 0.05	-	< 0.05
b-BHC	0.05	mg/kg	-	< 0.05	-	< 0.05
d-BHC	0.05	mg/kg	-	< 0.05	-	< 0.05
Dieldrin	0.05	mg/kg	-	< 0.05	-	< 0.05
Endosulfan I	0.05	mg/kg	-	< 0.05	-	< 0.05
Endosulfan II	0.05	mg/kg	-	< 0.05	-	< 0.05
Endosulfan sulphate	0.05	mg/kg	-	< 0.05	-	< 0.05
Endrin	0.05	mg/kg	-	< 0.05	-	< 0.05
Endrin aldehyde	0.05	mg/kg	-	< 0.05	-	< 0.05
Endrin ketone	0.05	mg/kg	-	< 0.05	-	< 0.05
g-BHC (Lindane)	0.05	mg/kg	-	< 0.05	-	< 0.05
Heptachlor	0.05	mg/kg	-	< 0.05	-	< 0.05
Heptachlor epoxide	0.05	mg/kg	-	< 0.05	-	< 0.05
Hexachlorobenzene	0.05	mg/kg	-	< 0.05	-	< 0.05
Methoxychlor	0.2	mg/kg	-	< 0.2	-	< 0.2
Toxaphene	1	mg/kg	-	< 1	-	< 1
Dibutylchlorendate (surr.)	1	%	-	84	-	84
Tetrachloro-m-xylene (surr.)	1	%	-	92	-	96
Polychlorinated Biphenyls (PCB)						
Aroclor-1016	0.5	mg/kg	-	< 0.5	-	< 0.5
Aroclor-1232	0.5	mg/kg	-	< 0.5	-	< 0.5
Aroclor-1242	0.5	mg/kg	-	< 0.5	-	< 0.5
Aroclor-1248	0.5	mg/kg	-	< 0.5	-	< 0.5
Aroclor-1254	0.5	mg/kg	-	< 0.5	-	< 0.5
Aroclor-1260	0.5	mg/kg	-	< 0.5	-	< 0.5
Total PCB*	0.5	mg/kg	-	< 0.5	-	< 0.5
Dibutylchlorendate (surr.)	1	%	-	84	-	84
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	< 100
Conductivity (1:5 aqueous extract at 25°C)	5	uS/cm	250	-	200	-
pH (1:5 Aqueous extract)	0.1	pH Units	8.9	-	8.5	-
% Moisture	0.1	%	13	15	7.5	17

Client Sample ID			BH01-D	BH01-N	BH02-D	BH02-N
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S15-No10884	S15-No10885	S15-No10887	S15-No10888
Date Sampled			Nov 13, 2015	Nov 13, 2015	Nov 13, 2015	Nov 13, 2015
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	2.2	2.1	< 2	3.4
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	8.7	< 5	8.1	8.0
Copper	5	mg/kg	43	12	70	37
Lead	5	mg/kg	5.2	< 5	< 5	6.0
Mercury	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Nickel	5	mg/kg	30	< 5	38	18
Zinc	5	mg/kg	27	5.8	28	24

Client Sample ID			BH03-D	BH04-D	BH04-N	BH05-D
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S15-No10890	S15-No10892	S15-No10893	S15-No10895
Date Sampled			Nov 13, 2015	Nov 13, 2015	Nov 13, 2015	Nov 13, 2015
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	80
TRH C29-C36	50	mg/kg	< 50	< 50	< 50	200
TRH C10-36 (Total)	50	mg/kg	< 50	< 50	< 50	280
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	83	86	77	84
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	< 50	< 50
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5

Client Sample ID			BH03-D	BH04-D	BH04-N	BH05-D
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S15-No10890	S15-No10892	S15-No10893	S15-No10895
Date Sampled			Nov 13, 2015	Nov 13, 2015	Nov 13, 2015	Nov 13, 2015
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	72	72	75	73
p-Terphenyl-d14 (surr.)	1	%	72	76	83	76
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	-	< 0.1	-
4.4'-DDD	0.05	mg/kg	-	-	< 0.05	-
4.4'-DDE	0.05	mg/kg	-	-	< 0.05	-
4.4'-DDT	0.05	mg/kg	-	-	< 0.05	-
a-BHC	0.05	mg/kg	-	-	< 0.05	-
Aldrin	0.05	mg/kg	-	-	< 0.05	-
b-BHC	0.05	mg/kg	-	-	< 0.05	-
d-BHC	0.05	mg/kg	-	-	< 0.05	-
Dieldrin	0.05	mg/kg	-	-	< 0.05	-
Endosulfan I	0.05	mg/kg	-	-	< 0.05	-
Endosulfan II	0.05	mg/kg	-	-	< 0.05	-
Endosulfan sulphate	0.05	mg/kg	-	-	< 0.05	-
Endrin	0.05	mg/kg	-	-	< 0.05	-
Endrin aldehyde	0.05	mg/kg	-	-	< 0.05	-
Endrin ketone	0.05	mg/kg	-	-	< 0.05	-
g-BHC (Lindane)	0.05	mg/kg	-	-	< 0.05	-
Heptachlor	0.05	mg/kg	-	-	< 0.05	-
Heptachlor epoxide	0.05	mg/kg	-	-	< 0.05	-
Hexachlorobenzene	0.05	mg/kg	-	-	< 0.05	-
Methoxychlor	0.2	mg/kg	-	-	< 0.2	-
Toxaphene	1	mg/kg	-	-	< 1	-
Dibutylchlorendate (surr.)	1	%	-	-	89	-
Tetrachloro-m-xylene (surr.)	1	%	-	-	94	-
Polychlorinated Biphenyls (PCB)						
Aroclor-1016	0.5	mg/kg	-	-	< 0.5	-
Aroclor-1232	0.5	mg/kg	-	-	< 0.5	-
Aroclor-1242	0.5	mg/kg	-	-	< 0.5	-
Aroclor-1248	0.5	mg/kg	-	-	< 0.5	-
Aroclor-1254	0.5	mg/kg	-	-	< 0.5	-
Aroclor-1260	0.5	mg/kg	-	-	< 0.5	-
Total PCB*	0.5	mg/kg	-	-	< 0.5	-
Dibutylchlorendate (surr.)	1	%	-	-	89	-
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100	230
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100	170
Conductivity (1:5 aqueous extract at 25°C)	5	uS/cm	250	290	-	220
pH (1:5 Aqueous extract)	0.1	pH Units	7.6	5.7	-	9.6
% Moisture	0.1	%	13	14	14	4.5

Client Sample ID			BH03-D	BH04-D	BH04-N	BH05-D
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S15-No10890	S15-No10892	S15-No10893	S15-No10895
Date Sampled			Nov 13, 2015	Nov 13, 2015	Nov 13, 2015	Nov 13, 2015
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	< 2	6.3	7.5	< 2
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	9.4	9.6	11	7.1
Copper	5	mg/kg	66	18	26	60
Lead	5	mg/kg	< 5	8.0	8.5	< 5
Mercury	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Nickel	5	mg/kg	44	11	19	56
Zinc	5	mg/kg	31	15	21	35

Client Sample ID			BH06-D	BH06-N	BH07-D	BH10-D
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S15-No10897	S15-No10898	S15-No10900	S15-No10902
Date Sampled			Nov 13, 2015	Nov 13, 2015	Nov 13, 2015	Nov 13, 2015
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	89
TRH C29-C36	50	mg/kg	160	< 50	< 50	240
TRH C10-36 (Total)	50	mg/kg	160	< 50	< 50	330
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	83	83	83	81
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	< 50	< 50
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	2.4
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	2.7
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	2.9
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	0.7
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	2.1
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	1.8
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	1.8
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	0.7
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	1.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	1.8
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	4.9

Client Sample ID			BH06-D	BH06-N	BH07-D	BH10-D
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S15-No10897	S15-No10898	S15-No10900	S15-No10902
Date Sampled			Nov 13, 2015	Nov 13, 2015	Nov 13, 2015	Nov 13, 2015
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	0.6
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	2.1
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	4.7
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	23
2-Fluorobiphenyl (surr.)	1	%	75	76	78	79
p-Terphenyl-d14 (surr.)	1	%	80	79	81	86
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	< 0.1	-	-
4.4'-DDD	0.05	mg/kg	-	< 0.05	-	-
4.4'-DDE	0.05	mg/kg	-	< 0.05	-	-
4.4'-DDT	0.05	mg/kg	-	< 0.05	-	-
a-BHC	0.05	mg/kg	-	< 0.05	-	-
Aldrin	0.05	mg/kg	-	< 0.05	-	-
b-BHC	0.05	mg/kg	-	< 0.05	-	-
d-BHC	0.05	mg/kg	-	< 0.05	-	-
Dieldrin	0.05	mg/kg	-	< 0.05	-	-
Endosulfan I	0.05	mg/kg	-	< 0.05	-	-
Endosulfan II	0.05	mg/kg	-	< 0.05	-	-
Endosulfan sulphate	0.05	mg/kg	-	< 0.05	-	-
Endrin	0.05	mg/kg	-	< 0.05	-	-
Endrin aldehyde	0.05	mg/kg	-	< 0.05	-	-
Endrin ketone	0.05	mg/kg	-	< 0.05	-	-
g-BHC (Lindane)	0.05	mg/kg	-	< 0.05	-	-
Heptachlor	0.05	mg/kg	-	< 0.05	-	-
Heptachlor epoxide	0.05	mg/kg	-	< 0.05	-	-
Hexachlorobenzene	0.05	mg/kg	-	< 0.05	-	-
Methoxychlor	0.2	mg/kg	-	< 0.2	-	-
Toxaphene	1	mg/kg	-	< 1	-	-
Dibutylchlorendate (surr.)	1	%	-	81	-	-
Tetrachloro-m-xylene (surr.)	1	%	-	88	-	-
Polychlorinated Biphenyls (PCB)						
Aroclor-1016	0.5	mg/kg	-	< 0.5	-	-
Aroclor-1232	0.5	mg/kg	-	< 0.5	-	-
Aroclor-1242	0.5	mg/kg	-	< 0.5	-	-
Aroclor-1248	0.5	mg/kg	-	< 0.5	-	-
Aroclor-1254	0.5	mg/kg	-	< 0.5	-	-
Aroclor-1260	0.5	mg/kg	-	< 0.5	-	-
Total PCB*	0.5	mg/kg	-	< 0.5	-	-
Dibutylchlorendate (surr.)	1	%	-	81	-	-
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	120	< 100	< 100	260
TRH >C34-C40	100	mg/kg	250	< 100	< 100	270
Conductivity (1:5 aqueous extract at 25°C)	5	uS/cm	220	-	660	870
pH (1:5 Aqueous extract)	0.1	pH Units	9.5	-	6.5	11
% Moisture	0.1	%	4.7	15	17	7.2

Client Sample ID			BH06-D	BH06-N	BH07-D	BH10-D
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S15-No10897	S15-No10898	S15-No10900	S15-No10902
Date Sampled			Nov 13, 2015	Nov 13, 2015	Nov 13, 2015	Nov 13, 2015
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	< 2	3.6	4.8	3.3
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	6.0	7.7	11	14
Copper	5	mg/kg	68	20	19	55
Lead	5	mg/kg	< 5	12	6.2	23
Mercury	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Nickel	5	mg/kg	43	< 5	7.7	13
Zinc	5	mg/kg	33	9.7	15	47

Client Sample ID			BH11-D	BH12-D	BH13-D	BH13-V
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S15-No10904	S15-No10906	S15-No10908	S15-No10909
Date Sampled			Nov 13, 2015	Nov 13, 2015	Nov 13, 2015	Nov 13, 2015
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	70	< 50
TRH C29-C36	50	mg/kg	160	< 50	260	< 50
TRH C10-36 (Total)	50	mg/kg	160	< 50	330	< 50
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	83	84	80	90
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	< 50	< 50
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	0.6	< 0.5

Client Sample ID			BH11-D	BH12-D	BH13-D	BH13-V
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S15-No10904	S15-No10906	S15-No10908	S15-No10909
Date Sampled			Nov 13, 2015	Nov 13, 2015	Nov 13, 2015	Nov 13, 2015
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	0.6	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	1.2	< 0.5
2-Fluorobiphenyl (surr.)	1	%	79	73	77	81
p-Terphenyl-d14 (surr.)	1	%	78	71	80	79
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	-	-	< 0.1
4.4'-DDD	0.05	mg/kg	-	-	-	< 0.05
4.4'-DDE	0.05	mg/kg	-	-	-	< 0.05
4.4'-DDT	0.05	mg/kg	-	-	-	< 0.05
a-BHC	0.05	mg/kg	-	-	-	< 0.05
Aldrin	0.05	mg/kg	-	-	-	< 0.05
b-BHC	0.05	mg/kg	-	-	-	< 0.05
d-BHC	0.05	mg/kg	-	-	-	< 0.05
Dieldrin	0.05	mg/kg	-	-	-	< 0.05
Endosulfan I	0.05	mg/kg	-	-	-	< 0.05
Endosulfan II	0.05	mg/kg	-	-	-	< 0.05
Endosulfan sulphate	0.05	mg/kg	-	-	-	< 0.05
Endrin	0.05	mg/kg	-	-	-	< 0.05
Endrin aldehyde	0.05	mg/kg	-	-	-	< 0.05
Endrin ketone	0.05	mg/kg	-	-	-	< 0.05
g-BHC (Lindane)	0.05	mg/kg	-	-	-	< 0.05
Heptachlor	0.05	mg/kg	-	-	-	< 0.05
Heptachlor epoxide	0.05	mg/kg	-	-	-	< 0.05
Hexachlorobenzene	0.05	mg/kg	-	-	-	< 0.05
Methoxychlor	0.2	mg/kg	-	-	-	< 0.2
Toxaphene	1	mg/kg	-	-	-	< 1
Dibutylchlorendate (surr.)	1	%	-	-	-	95
Tetrachloro-m-xylene (surr.)	1	%	-	-	-	104
Polychlorinated Biphenyls (PCB)						
Aroclor-1016	0.5	mg/kg	-	-	-	< 0.5
Aroclor-1232	0.5	mg/kg	-	-	-	< 0.5
Aroclor-1242	0.5	mg/kg	-	-	-	< 0.5
Aroclor-1248	0.5	mg/kg	-	-	-	< 0.5
Aroclor-1254	0.5	mg/kg	-	-	-	< 0.5
Aroclor-1260	0.5	mg/kg	-	-	-	< 0.5
Total PCB*	0.5	mg/kg	-	-	-	< 0.5
Dibutylchlorendate (surr.)	1	%	-	-	-	95
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	150	< 100	240	< 100
TRH >C34-C40	100	mg/kg	260	< 100	270	< 100
Conductivity (1:5 aqueous extract at 25°C)	5	uS/cm	820	170	990	-
pH (1:5 Aqueous extract)	0.1	pH Units	11	5.8	11	-
% Moisture	0.1	%	9.3	16	6.8	11

Client Sample ID			BH11-D	BH12-D	BH13-D	BH13-V
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S15-No10904	S15-No10906	S15-No10908	S15-No10909
Date Sampled			Nov 13, 2015	Nov 13, 2015	Nov 13, 2015	Nov 13, 2015
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	2.3	8.2	2.7	8.4
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	11	10	12	19
Copper	5	mg/kg	22	17	30	26
Lead	5	mg/kg	17	6.2	15	21
Mercury	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Nickel	5	mg/kg	11	< 5	9.4	< 5
Zinc	5	mg/kg	50	19	38	15

Client Sample ID			BH16-D	BH17-D	BH17-V	BH18-D
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S15-No10911	S15-No10913	S15-No10914	S15-No10916
Date Sampled			Nov 13, 2015	Nov 13, 2015	Nov 13, 2015	Nov 13, 2015
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	160	< 50	< 50
TRH C10-36 (Total)	50	mg/kg	< 50	160	< 50	< 50
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Xylenes - Total	0.3	mg/kg	< 0.3	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	84	85	82	91
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	< 20	< 20
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	< 50	< 50
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5

Client Sample ID			BH16-D	BH17-D	BH17-V	BH18-D
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S15-No10911	S15-No10913	S15-No10914	S15-No10916
Date Sampled			Nov 13, 2015	Nov 13, 2015	Nov 13, 2015	Nov 13, 2015
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	79	78	77	80
p-Terphenyl-d14 (surr.)	1	%	77	78	75	79
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	-	< 0.1	-
4.4'-DDD	0.05	mg/kg	-	-	< 0.05	-
4.4'-DDE	0.05	mg/kg	-	-	< 0.05	-
4.4'-DDT	0.05	mg/kg	-	-	< 0.05	-
a-BHC	0.05	mg/kg	-	-	< 0.05	-
Aldrin	0.05	mg/kg	-	-	< 0.05	-
b-BHC	0.05	mg/kg	-	-	< 0.05	-
d-BHC	0.05	mg/kg	-	-	< 0.05	-
Dieldrin	0.05	mg/kg	-	-	< 0.05	-
Endosulfan I	0.05	mg/kg	-	-	< 0.05	-
Endosulfan II	0.05	mg/kg	-	-	< 0.05	-
Endosulfan sulphate	0.05	mg/kg	-	-	< 0.05	-
Endrin	0.05	mg/kg	-	-	< 0.05	-
Endrin aldehyde	0.05	mg/kg	-	-	< 0.05	-
Endrin ketone	0.05	mg/kg	-	-	< 0.05	-
g-BHC (Lindane)	0.05	mg/kg	-	-	< 0.05	-
Heptachlor	0.05	mg/kg	-	-	< 0.05	-
Heptachlor epoxide	0.05	mg/kg	-	-	< 0.05	-
Hexachlorobenzene	0.05	mg/kg	-	-	< 0.05	-
Methoxychlor	0.2	mg/kg	-	-	< 0.2	-
Toxaphene	1	mg/kg	-	-	< 1	-
Dibutylchlorendate (surr.)	1	%	-	-	92	-
Tetrachloro-m-xylene (surr.)	1	%	-	-	99	-
Polychlorinated Biphenyls (PCB)						
Aroclor-1016	0.5	mg/kg	-	-	< 0.5	-
Aroclor-1232	0.5	mg/kg	-	-	< 0.5	-
Aroclor-1242	0.5	mg/kg	-	-	< 0.5	-
Aroclor-1248	0.5	mg/kg	-	-	< 0.5	-
Aroclor-1254	0.5	mg/kg	-	-	< 0.5	-
Aroclor-1260	0.5	mg/kg	-	-	< 0.5	-
Total PCB*	0.5	mg/kg	-	-	< 0.5	-
Dibutylchlorendate (surr.)	1	%	-	-	92	-
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	140	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	150	< 100	< 100
Conductivity (1:5 aqueous extract at 25°C)	5	uS/cm	440	380	-	530
pH (1:5 Aqueous extract)	0.1	pH Units	5.8	6.5	-	8.2
% Moisture	0.1	%	9.9	12	24	5.0

Client Sample ID			BH16-D	BH17-D	BH17-V	BH18-D
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S15-No10911	S15-No10913	S15-No10914	S15-No10916
Date Sampled			Nov 13, 2015	Nov 13, 2015	Nov 13, 2015	Nov 13, 2015
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	6.8	3.9	8.4	2.1
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	15	12	20	13
Copper	5	mg/kg	15	56	16	40
Lead	5	mg/kg	16	7.9	14	5.7
Mercury	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Nickel	5	mg/kg	7.4	41	< 5	87
Zinc	5	mg/kg	21	34	17	52

Client Sample ID			BH19-D	BH20-C	BH20	BH21-D
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S15-No10918	S15-No10919	S15-No10921	S15-No10923
Date Sampled			Nov 13, 2015	Nov 13, 2015	Nov 13, 2015	Nov 13, 2015
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	20	mg/kg	< 20	< 20	-	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	-	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	-	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	-	57
TRH C10-36 (Total)	50	mg/kg	< 50	< 50	-	57
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Xylenes - Total	0.3	mg/kg	< 0.3	< 0.3	-	< 0.3
4-Bromofluorobenzene (surr.)	1	%	98	90	-	94
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
TRH C6-C10	20	mg/kg	< 20	< 20	-	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	< 20	-	< 20
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	< 50	< 50	-	< 50
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	-	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	-	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5

Client Sample ID			BH19-D	BH20-C	BH20	BH21-D
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S15-No10918	S15-No10919	S15-No10921	S15-No10923
Date Sampled			Nov 13, 2015	Nov 13, 2015	Nov 13, 2015	Nov 13, 2015
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Fluorene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
2-Fluorobiphenyl (surr.)	1	%	78	71	-	76
p-Terphenyl-d14 (surr.)	1	%	79	71	-	76
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
TRH >C10-C16	50	mg/kg	< 50	< 50	-	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	-	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	-	< 100
Conductivity (1:5 aqueous extract at 25°C)	5	uS/cm	670	630	-	410
pH (1:5 Aqueous extract)	0.1	pH Units	5.1	6.1	-	9.5
% Moisture	0.1	%	11	3.4	-	4.7
Heavy Metals						
Arsenic	2	mg/kg	4.6	2.1	-	2.5
Cadmium	0.4	mg/kg	< 0.4	< 0.4	-	< 0.4
Chromium	5	mg/kg	10	8.1	-	13
Copper	5	mg/kg	24	20	-	26
Lead	5	mg/kg	8.0	< 5	-	37
Mercury	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
Nickel	5	mg/kg	33	30	-	66
Zinc	5	mg/kg	35	19	-	85
Foreign Materials - ENM						
Initial Weight	0.01	kg	-	-	6.4	-
Foreign Material - Type I						
Metal*	0.1	%	-	-	< 0.1	-
Glass*	0.1	%	-	-	< 0.1	-
Asphalt*	0.1	%	-	-	< 0.1	-
Stone*	0.1	%	-	-	4.3	-
Ceramic and slag (other than blast furnace slag)*	0.1	%	-	-	< 0.1	-
Foreign Material - Type II						
Plaster*	0.1	%	-	-	< 0.1	-
Clay lumps and other friable material*	0.1	%	-	-	27	-
Foreign Material - Type III						
Rubber*	0.05	%	-	-	< 0.05	-
Plastic*	0.05	%	-	-	< 0.05	-
Bitumen*	0.05	%	-	-	< 0.05	-
Paper*	0.05	%	-	-	< 0.05	-
Cloth*	0.05	%	-	-	< 0.05	-
Paint*	0.05	%	-	-	< 0.05	-
Wood and other vegetable matter*	0.05	%	-	-	< 0.05	-

Client Sample ID			BH21	BH22-D	BH22
Sample Matrix			Soil	Soil	Soil
Eurofins | mgt Sample No.			S15-No10924	S15-No10926	S15-No10927
Date Sampled			Nov 13, 2015	Nov 13, 2015	Nov 13, 2015
Test/Reference	LOR	Unit			
Total Recoverable Hydrocarbons - 1999 NEPM Fractions					
TRH C6-C9	20	mg/kg	-	< 20	-
TRH C10-C14	20	mg/kg	-	< 20	-
TRH C15-C28	50	mg/kg	-	< 50	-
TRH C29-C36	50	mg/kg	-	< 50	-
TRH C10-36 (Total)	50	mg/kg	-	< 50	-
BTEX					
Benzene	0.1	mg/kg	-	< 0.1	-
Toluene	0.1	mg/kg	-	< 0.1	-
Ethylbenzene	0.1	mg/kg	-	< 0.1	-
m&p-Xylenes	0.2	mg/kg	-	< 0.2	-
o-Xylene	0.1	mg/kg	-	< 0.1	-
Xylenes - Total	0.3	mg/kg	-	< 0.3	-
4-Bromofluorobenzene (surr.)	1	%	-	95	-
Total Recoverable Hydrocarbons - 2013 NEPM Fractions					
Naphthalene[N02]	0.5	mg/kg	-	< 0.5	-
TRH C6-C10	20	mg/kg	-	< 20	-
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	-	< 20	-
TRH >C10-C16 less Naphthalene (F2)[N01]	50	mg/kg	-	< 50	-
Polycyclic Aromatic Hydrocarbons					
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	-	< 0.5	-
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	-	0.6	-
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	-	1.2	-
Acenaphthene	0.5	mg/kg	-	< 0.5	-
Acenaphthylene	0.5	mg/kg	-	< 0.5	-
Anthracene	0.5	mg/kg	-	< 0.5	-
Benz(a)anthracene	0.5	mg/kg	-	< 0.5	-
Benzo(a)pyrene	0.5	mg/kg	-	< 0.5	-
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	-	< 0.5	-
Benzo(g.h.i)perylene	0.5	mg/kg	-	< 0.5	-
Benzo(k)fluoranthene	0.5	mg/kg	-	< 0.5	-
Chrysene	0.5	mg/kg	-	< 0.5	-
Dibenz(a.h)anthracene	0.5	mg/kg	-	< 0.5	-
Fluoranthene	0.5	mg/kg	-	< 0.5	-
Fluorene	0.5	mg/kg	-	< 0.5	-
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	-	< 0.5	-
Naphthalene	0.5	mg/kg	-	< 0.5	-
Phenanthrene	0.5	mg/kg	-	< 0.5	-
Pyrene	0.5	mg/kg	-	< 0.5	-
Total PAH*	0.5	mg/kg	-	< 0.5	-
2-Fluorobiphenyl (surr.)	1	%	-	71	-
p-Terphenyl-d14 (surr.)	1	%	-	71	-
Total Recoverable Hydrocarbons - 2013 NEPM Fractions					
TRH >C10-C16	50	mg/kg	-	< 50	-
TRH >C16-C34	100	mg/kg	-	< 100	-
TRH >C34-C40	100	mg/kg	-	< 100	-
Conductivity (1:5 aqueous extract at 25°C)	5	uS/cm	-	290	-
pH (1:5 Aqueous extract)	0.1	pH Units	-	5.5	-
% Moisture	0.1	%	-	18	-

Client Sample ID			BH21	BH22-D	BH22
Sample Matrix			**Soil**	**Soil**	**Soil**
Eurofins | mgt Sample No.			**S15-No10924**	**S15-No10926**	**S15-No10927**
Date Sampled			**Nov 13, 2015**	**Nov 13, 2015**	**Nov 13, 2015**
Test/Reference	LOR	Unit			
Heavy Metals					
Arsenic	2	mg/kg	-	4.5	-
Cadmium	0.4	mg/kg	-	< 0.4	-
Chromium	5	mg/kg	-	8.2	-
Copper	5	mg/kg	-	14	-
Lead	5	mg/kg	-	7.5	-
Mercury	0.05	mg/kg	-	< 0.05	-
Nickel	5	mg/kg	-	< 5	-
Zinc	5	mg/kg	-	9.2	-
Foreign Materials - ENM					
Initial Weight	0.01	kg	5.2	-	7.6
Foreign Material - Type I					
Metal*	0.1	%	< 0.1	-	< 0.1
Glass*	0.1	%	< 0.1	-	< 0.1
Asphalt*	0.1	%	< 0.1	-	< 0.1
Stone*	0.1	%	< 0.1	-	< 0.1
Ceramic and slag (other than blast furnace slag)*	0.1	%	< 0.1	-	< 0.1
Foreign Material - Type II					
Plaster*	0.1	%	< 0.1	-	< 0.1
Clay lumps and other friable material*	0.1	%	21	-	23
Foreign Material - Type III					
Rubber*	0.05	%	< 0.05	-	< 0.05
Plastic*	0.05	%	< 0.05	-	< 0.05
Bitumen*	0.05	%	< 0.05	-	< 0.05
Paper*	0.05	%	< 0.05	-	< 0.05
Cloth*	0.05	%	< 0.05	-	< 0.05
Paint*	0.05	%	< 0.05	-	< 0.05
Wood and other vegetable matter*	0.05	%	< 0.05	-	< 0.05

Sample History

Where samples are submitted/analysed over several days, the last date of extraction and analysis is reported.
A recent review of our LIMS has resulted in the correction or clarification of some method identifications. Due to this, some of the method reference information on reports has changed. However, no substantive change has been made to our laboratory methods, and as such there is no change in the validity of current or previous results (regarding both quality and NATA accreditation).

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description	Testing Site	Extracted	Holding Time
JBS&G Suite 2			
Total Recoverable Hydrocarbons - 1999 NEPM Fractions	Sydney	Nov 16, 2015	14 Day
- Method: TRH C6-C36 - LTM-ORG-2010			
BTEX	Sydney	Nov 16, 2015	14 Day
- Method: TRH C6-C40 - LTM-ORG-2010			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Nov 16, 2015	14 Day
- Method: TRH C6-C40 - LTM-ORG-2010			
Polycyclic Aromatic Hydrocarbons	Sydney	Nov 16, 2015	14 Day
- Method: E007 Polyaromatic Hydrocarbons (PAH)			
Organochlorine Pesticides	Sydney	Nov 16, 2015	14 Day
- Method: E013 Organochlorine Pesticides (OC)			
Polychlorinated Biphenyls (PCB)	Sydney	Nov 16, 2015	28 Day
- Method: E013 Polychlorinated Biphenyls (PCB)			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Nov 16, 2015	14 Day
- Method: TRH C6-C40 - LTM-ORG-2010			
Metals M8	Sydney	Nov 16, 2015	28 Day
- Method: LTM-MET-3040_R0 TOTAL AND DISSOLVED METALS AND MERCURY IN WATERS BY ICP-MS			
ENM Exemption 2012 - NSW Office of Environment and Heritage (excluding Foreign Materials)			
Conductivity (1:5 aqueous extract at 25°C)	Sydney	Nov 17, 2015	7 Day
- Method: LTM-INO-4030			
pH (1:5 Aqueous extract)	Sydney	Nov 17, 2015	7 Day
- Method: LTM-GEN-7090 pH in soil by ISE			
% Moisture	Sydney	Nov 16, 2015	14 Day
- Method: LTM-GEN-7080 Moisture			
Foreign Material - Type I	Sydney	Nov 14, 2015	180 Day
- Method: RMS Method T276			
Foreign Material - Type II	Sydney	Nov 14, 2015	180 Day
- Method: RMS Method T276			
Foreign Material - Type III	Sydney	Nov 14, 2015	180 Day
- Method: RMS Method T276			

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Company Name: JBS & G Australia (NSW & WA) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: BLACKTOWN HOSPITAL: BULIDING
Project ID: 51189

Order No.:
Report #: 479519
Phone: 02 8245 0300
Fax:

Received: Nov 13, 2015 7:30 PM
Due: Nov 17, 2015
Priority: 3 Day
Contact Name: Daniel Denaro

Eurofins | mgt Client Manager: Charl Du Preez

Sample Detail	CANCELLED	HOLD	Foreign Materials - ENM	Moisture Set	ENM Exemption 2012 - NSW Office of Environment and Heritage (excluding	JBS&G Suite 2
Laboratory where analysis is conducted						
Melbourne Laboratory - NATA Site # 1254 & 14271						
Sydney Laboratory - NATA Site # 18217	X	X	X	X	X	X
Brisbane Laboratory - NATA Site # 20794						
External Laboratory						

Sample ID	Sample Date	Sampling Time	Matrix	LAB ID						
H01-C	Nov 13, 2015		Soil	S15-No10883		X				
H01-D	Nov 13, 2015		Soil	S15-No10884				X	X	
H01-N	Nov 13, 2015		Soil	S15-No10885				X		X
H02-C	Nov 13, 2015		Soil	S15-No10886		X				
H02-D	Nov 13, 2015		Soil	S15-No10887				X	X	
H02-N	Nov 13, 2015		Soil	S15-No10888				X		X
H03-C	Nov 13, 2015		Soil	S15-No10889		X				
H03-D	Nov 13, 2015		Soil	S15-No10890				X	X	
H04-C	Nov 13, 2015		Soil	S15-No10891		X				

Date Reported:Nov 17, 2015

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Address:	Level 1, 50 Margaret St Sydney NSW 2000	**Report #:** 479519 **Phone:** 02 8245 0300 **Fax:**	**Due:** Nov 17, 2015 **Priority:** 3 Day **Contact Name:** Daniel Denaro
Project Name:	BLACKTOWN HOSPITAL: BULIDING		
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Sample Detail					CANCELLED	HOLD	Foreign Materials - ENM	Moisture Set	ENM Exemption 2012 - NSW Office of Environment and Heritage (excluding	JBS&G Suite 2
Laboratory where analysis is conducted										
Melbourne Laboratory - NATA Site # 1254 & 14271										
Sydney Laboratory - NATA Site # 18217					X	X	X	X	X	X
Brisbane Laboratory - NATA Site # 20794										
External Laboratory										
H04-D	Nov 13, 2015		Soil	S15-No10892				X	X	
H04-N	Nov 13, 2015		Soil	S15-No10893				X		X
H05-C	Nov 13, 2015		Soil	S15-No10894		X				
H05-D	Nov 13, 2015		Soil	S15-No10895				X	X	
H06-C	Nov 13, 2015		Soil	S15-No10896		X				
H06-D	Nov 13, 2015		Soil	S15-No10897				X	X	
H06-N	Nov 13, 2015		Soil	S15-No10898				X		X
H07-C	Nov 13, 2015		Soil	S15-No10899		X				
H07-D	Nov 13, 2015		Soil	S15-No10900				X	X	
H10-C	Nov 13, 2015		Soil	S15-No10901		X				

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Sample Detail					CANCELLED	HOLD	Foreign Materials - ENM	Moisture Set	ENM Exemption 2012 - NSW Office of Environment and Heritage (excluding	JBS&G Suite 2
Laboratory where analysis is conducted										
Melbourne Laboratory - NATA Site # 1254 & 14271										
Sydney Laboratory - NATA Site # 18217					X	X	X	X	X	X
Brisbane Laboratory - NATA Site # 20794										
External Laboratory										
H10-D	Nov 13, 2015		Soil	S15-No10902				X	X	
H11-C	Nov 13, 2015		Soil	S15-No10903		X				
H11-D	Nov 13, 2015		Soil	S15-No10904				X	X	
H12-C	Nov 13, 2015		Soil	S15-No10905		X				
H12-D	Nov 13, 2015		Soil	S15-No10906				X	X	
H13-C	Nov 13, 2015		Soil	S15-No10907		X				
H13-D	Nov 13, 2015		Soil	S15-No10908				X	X	
H13-V	Nov 13, 2015		Soil	S15-No10909				X		X
H16-C	Nov 13, 2015		Soil	S15-No10910		X				
H16-D	Nov 13, 2015		Soil	S15-No10911				X	X	

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Sample Detail					CANCELLED	HOLD	Foreign Materials - ENM	Moisture Set	ENM Exemption 2012 - NSW Office of Environment and Heritage (excluding	JBS&G Suite 2
Laboratory where analysis is conducted										
Melbourne Laboratory - NATA Site # 1254 & 14271										
Sydney Laboratory - NATA Site # 18217					X	X	X	X	X	X
Brisbane Laboratory - NATA Site # 20794										
External Laboratory										
H17-C	Nov 13, 2015		Soil	S15-No10912		X				
H17-D	Nov 13, 2015		Soil	S15-No10913				X	X	
H17-V	Nov 13, 2015		Soil	S15-No10914				X		X
H18-C	Nov 13, 2015		Soil	S15-No10915		X				
H18-D	Nov 13, 2015		Soil	S15-No10916				X	X	
H19-C	Nov 13, 2015		Soil	S15-No10917	X					
H19-D	Nov 13, 2015		Soil	S15-No10918				X	X	
H20-C	Nov 13, 2015		Soil	S15-No10919				X	X	
H20-D	Nov 13, 2015		Soil	S15-No10920	X					
H20	Nov 13, 2015		Soil	S15-No10921			X			

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Sample Detail					CANCELLED	HOLD	Foreign Materials - ENM	Moisture Set	ENM Exemption 2012 - NSW Office of Environment and Heritage (excluding	JBS&G Suite 2
Laboratory where analysis is conducted										
Melbourne Laboratory - NATA Site # 1254 & 14271										
Sydney Laboratory - NATA Site # 18217					X	X	X	X	X	X
Brisbane Laboratory - NATA Site # 20794										
External Laboratory										
H21-C	Nov 13, 2015		Soil	S15-No10922		X				
H21-D	Nov 13, 2015		Soil	S15-No10923				X	X	
H21	Nov 13, 2015		Soil	S15-No10924			X			
H22-C	Nov 13, 2015		Soil	S15-No10925		X				
H22-D	Nov 13, 2015		Soil	S15-No10926				X	X	
H22	Nov 13, 2015		Soil	S15-No10927			X			

Internal Quality Control Review and Glossary

General

1. Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples are included in this QC report where applicable. Additional QC data may be available on request.
2. All soil results are reported on a dry basis, unless otherwise stated.
3. Actual LORs are matrix dependant. Quoted LORs may be raised where sample extracts are diluted due to interferences.
4. Results are uncorrected for matrix spikes or surrogate recoveries.
5. SVOC analysis on waters are performed on homogenised, unfiltered samples, unless noted otherwise.
6. Samples were analysed on an 'as received' basis. 7. This report replaces any interim results previously issued.

Holding Times

Please refer to 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours prior to sample receipt deadlines as stated on the Sample Receipt Advice.

If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

****NOTE:** pH duplicates are reported as a range NOT as RPD

Units

mg/kg: milligrams per Kilogram

mg/l: milligrams per litre

ug/l: micrograms per litre

ppm: Parts per million

ppb: Parts per billion

%: Percentage

org/100ml: Organisms per 100 millilitres

NTU: Nephelometric Turbidity Units

MPN/100mL: Most Probable Number of organisms per 100 millilitres

Terms

Dry	Where a moisture has been determined on a solid sample the result is expressed on a dry basis.
LOR	Limit of Reporting.
SPIKE	Addition of the analyte to the sample and reported as percentage recovery.
RPD	Relative Percent Difference between two Duplicate pieces of analysis.
LCS	Laboratory Control Sample - reported as percent recovery
CRM	Certified Reference Material - reported as percent recovery
Method Blank	In the case of solid samples these are performed on laboratory certified clean sands. In the case of water samples these are performed on de-ionised water.
Surr - Surrogate	The addition of a like compound to the analyte target and reported as percentage recovery.
Duplicate	A second piece of analysis from the same sample and reported in the same units as the result to show comparison.
Batch Duplicate	A second piece of analysis from a sample outside of the clients batch of samples but run within the laboratory batch of analysis.
Batch SPIKE	Spike recovery reported on a sample from outside of the clients batch of samples but run within the laboratory batch of analysis.
USEPA	United States Environmental Protection Agency
APHA	American Public Health Association
ASLP	Australian Standard Leaching Procedure (AS4439.3)
TCLP	Toxicity Characteristic Leaching Procedure
COC	Chain of Custody
SRA	Sample Receipt Advice
CP	Client Parent - QC was performed on samples pertaining to this report
NCP	Non-Client Parent - QC performed on samples not pertaining to this report, QC is representative of the sequence or batch that client samples were analysed within
TEQ	Toxic Equivalency Quotient

QC - Acceptance Criteria

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is 30% however the following acceptance guidelines are equally applicable:

Results <10 times the LOR : No Limit

Results between 10-20 times the LOR : RPD must lie between 0-50%

Results >20 times the LOR : RPD must lie between 0-30%

Surrogate Recoveries : Recoveries must lie between 50-150% - Phenols 20-130%.

QC Data General Comments

1. Where a result is reported as a less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
2. Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch, but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown is not data from your samples.
3. Organochlorine Pesticide analysis - where reporting LCS data, Toxophene & Chlordane are not added to the LCS.
4. Organochlorine Pesticide analysis - where reporting Spike data, Toxophene is not added to the Spike.
5. Total Recoverable Hydrocarbons - where reporting Spike & LCS data, a single spike of commercial Hydrocarbon products in the range of C12-C30 is added and it's Total Recovery is reported in the C10-C14 cell of the Report.
6. pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling.Therefore laboratory analysis is unlikely to be completed within holding time. Analysis will begin as soon as possible after sample receipt.
7. Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of Recovery the term "INT" appears against that analyte.
8. Polychlorinated Biphenyls are spiked only using Arochlor 1260 in Matrix Spikes and LCS's.
9. For Matrix Spikes and LCS results a dash " -" in the report means that the specific analyte was not added to the QC sample.
10. Duplicate RPD's are calculated from raw analytical data thus it is possible to have two sets of data.

Quality Control Results

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank							
Total Recoverable Hydrocarbons - 1999 NEPM Fractions							
TRH C6-C9	mg/kg	< 20			20	Pass	
TRH C10-C14	mg/kg	< 20			20	Pass	
TRH C15-C28	mg/kg	< 50			50	Pass	
TRH C29-C36	mg/kg	< 50			50	Pass	
Method Blank							
BTEX							
Benzene	mg/kg	< 0.1			0.1	Pass	
Toluene	mg/kg	< 0.1			0.1	Pass	
Ethylbenzene	mg/kg	< 0.1			0.1	Pass	
m&p-Xylenes	mg/kg	< 0.2			0.2	Pass	
o-Xylene	mg/kg	< 0.1			0.1	Pass	
Xylenes - Total	mg/kg	< 0.3			0.3	Pass	
Method Blank							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	mg/kg	< 0.5			0.5	Pass	
TRH C6-C10	mg/kg	< 20			20	Pass	
Method Blank							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	mg/kg	< 0.5			0.5	Pass	
Acenaphthylene	mg/kg	< 0.5			0.5	Pass	
Anthracene	mg/kg	< 0.5			0.5	Pass	
Benz(a)anthracene	mg/kg	< 0.5			0.5	Pass	
Benzo(a)pyrene	mg/kg	< 0.5			0.5	Pass	
Benzo(b&j)fluoranthene	mg/kg	< 0.5			0.5	Pass	
Benzo(g.h.i)perylene	mg/kg	< 0.5			0.5	Pass	
Benzo(k)fluoranthene	mg/kg	< 0.5			0.5	Pass	
Chrysene	mg/kg	< 0.5			0.5	Pass	
Dibenz(a.h)anthracene	mg/kg	< 0.5			0.5	Pass	
Fluoranthene	mg/kg	< 0.5			0.5	Pass	
Fluorene	mg/kg	< 0.5			0.5	Pass	
Indeno(1.2.3-cd)pyrene	mg/kg	< 0.5			0.5	Pass	
Naphthalene	mg/kg	< 0.5			0.5	Pass	
Phenanthrene	mg/kg	< 0.5			0.5	Pass	
Pyrene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Organochlorine Pesticides							
Chlordanes - Total	mg/kg	< 0.1			0.1	Pass	
4.4'-DDD	mg/kg	< 0.05			0.05	Pass	
4.4'-DDE	mg/kg	< 0.05			0.05	Pass	
4.4'-DDT	mg/kg	< 0.05			0.05	Pass	
a-BHC	mg/kg	< 0.05			0.05	Pass	
Aldrin	mg/kg	< 0.05			0.05	Pass	
b-BHC	mg/kg	< 0.05			0.05	Pass	
d-BHC	mg/kg	< 0.05			0.05	Pass	
Dieldrin	mg/kg	< 0.05			0.05	Pass	
Endosulfan I	mg/kg	< 0.05			0.05	Pass	
Endosulfan II	mg/kg	< 0.05			0.05	Pass	
Endosulfan sulphate	mg/kg	< 0.05			0.05	Pass	
Endrin	mg/kg	< 0.05			0.05	Pass	
Endrin aldehyde	mg/kg	< 0.05			0.05	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Endrin ketone	mg/kg	< 0.05			0.05	Pass	
g-BHC (Lindane)	mg/kg	< 0.05			0.05	Pass	
Heptachlor	mg/kg	< 0.05			0.05	Pass	
Heptachlor epoxide	mg/kg	< 0.05			0.05	Pass	
Hexachlorobenzene	mg/kg	< 0.05			0.05	Pass	
Methoxychlor	mg/kg	< 0.2			0.2	Pass	
Toxaphene	mg/kg	< 1			1	Pass	
Method Blank							
Polychlorinated Biphenyls (PCB)							
Aroclor-1016	mg/kg	< 0.5			0.5	Pass	
Aroclor-1232	mg/kg	< 0.5			0.5	Pass	
Aroclor-1242	mg/kg	< 0.5			0.5	Pass	
Aroclor-1248	mg/kg	< 0.5			0.5	Pass	
Aroclor-1254	mg/kg	< 0.5			0.5	Pass	
Aroclor-1260	mg/kg	< 0.5			0.5	Pass	
Total PCB*	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
TRH >C10-C16	mg/kg	< 50			50	Pass	
TRH >C16-C34	mg/kg	< 100			100	Pass	
TRH >C34-C40	mg/kg	< 100			100	Pass	
Method Blank							
Conductivity (1:5 aqueous extract at 25°C)	uS/cm	< 5			5	Pass	
Method Blank							
Heavy Metals							
Arsenic	mg/kg	< 2			2	Pass	
Cadmium	mg/kg	< 0.4			0.4	Pass	
Chromium	mg/kg	< 5			5	Pass	
Copper	mg/kg	< 5			5	Pass	
Lead	mg/kg	< 5			5	Pass	
Mercury	mg/kg	< 0.05			0.05	Pass	
Nickel	mg/kg	< 5			5	Pass	
Zinc	mg/kg	< 5			5	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 1999 NEPM Fractions							
TRH C6-C9	%	79			70-130	Pass	
TRH C10-C14	%	75			70-130	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	93			70-130	Pass	
Toluene	%	88			70-130	Pass	
Ethylbenzene	%	83			70-130	Pass	
m&p-Xylenes	%	87			70-130	Pass	
o-Xylene	%	85			70-130	Pass	
Xylenes - Total	%	87			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	%	73			70-130	Pass	
TRH C6-C10	%	90			70-130	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	81			70-130	Pass	
Acenaphthylene	%	72			70-130	Pass	
Anthracene	%	93			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Benz(a)anthracene	%	77			70-130	Pass	
Benzo(a)pyrene	%	76			70-130	Pass	
Benzo(b&j)fluoranthene	%	72			70-130	Pass	
Benzo(g.h.i)perylene	%	82			70-130	Pass	
Benzo(k)fluoranthene	%	86			70-130	Pass	
Chrysene	%	87			70-130	Pass	
Dibenz(a.h)anthracene	%	73			70-130	Pass	
Fluoranthene	%	83			70-130	Pass	
Fluorene	%	78			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	75			70-130	Pass	
Naphthalene	%	82			70-130	Pass	
Phenanthrene	%	80			70-130	Pass	
Pyrene	%	84			70-130	Pass	
LCS - % Recovery							
Organochlorine Pesticides							
Chlordanes - Total	%	85			70-130	Pass	
4.4'-DDD	%	82			70-130	Pass	
4.4'-DDE	%	82			70-130	Pass	
4.4'-DDT	%	87			70-130	Pass	
a-BHC	%	86			70-130	Pass	
Aldrin	%	89			70-130	Pass	
b-BHC	%	84			70-130	Pass	
d-BHC	%	93			70-130	Pass	
Dieldrin	%	85			70-130	Pass	
Endosulfan I	%	83			70-130	Pass	
Endosulfan II	%	86			70-130	Pass	
Endosulfan sulphate	%	91			70-130	Pass	
Endrin	%	84			70-130	Pass	
Endrin aldehyde	%	93			70-130	Pass	
Endrin ketone	%	85			70-130	Pass	
g-BHC (Lindane)	%	85			70-130	Pass	
Heptachlor	%	99			70-130	Pass	
Heptachlor epoxide	%	85			70-130	Pass	
Hexachlorobenzene	%	84			70-130	Pass	
Methoxychlor	%	84			70-130	Pass	
LCS - % Recovery							
Polychlorinated Biphenyls (PCB)							
Aroclor-1260	%	118			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
TRH >C10-C16	%	74			70-130	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	104			70-130	Pass	
Cadmium	%	103			70-130	Pass	
Chromium	%	109			70-130	Pass	
Copper	%	97			70-130	Pass	
Lead	%	106			70-130	Pass	
Mercury	%	95			70-130	Pass	
Nickel	%	108			70-130	Pass	
Zinc	%	97			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
Total Recoverable Hydrocarbons - 1999 NEPM Fractions				Result 1					
TRH C6-C9	S15-No10885	CP	%	74			70-130	Pass	
TRH C10-C14	S15-No10885	CP	%	70			70-130	Pass	
Spike - % Recovery									
BTEX				Result 1					
Benzene	S15-No10885	CP	%	90			70-130	Pass	
Toluene	S15-No10885	CP	%	91			70-130	Pass	
Ethylbenzene	S15-No10885	CP	%	87			70-130	Pass	
m&p-Xylenes	S15-No10885	CP	%	93			70-130	Pass	
o-Xylene	S15-No10885	CP	%	91			70-130	Pass	
Xylenes - Total	S15-No10885	CP	%	92			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1					
Naphthalene	S15-No10885	CP	%	72			70-130	Pass	
TRH C6-C10	S15-No10885	CP	%	84			70-130	Pass	
Spike - % Recovery									
Polycyclic Aromatic Hydrocarbons				Result 1					
Acenaphthene	S15-No10885	CP	%	81			70-130	Pass	
Acenaphthylene	S15-No10885	CP	%	75			70-130	Pass	
Anthracene	S15-No10885	CP	%	82			70-130	Pass	
Benz(a)anthracene	S15-No10885	CP	%	92			70-130	Pass	
Benzo(a)pyrene	S15-No10885	CP	%	87			70-130	Pass	
Benzo(b&j)fluoranthene	S15-No10885	CP	%	80			70-130	Pass	
Benzo(g.h.i)perylene	S15-No10885	CP	%	71			70-130	Pass	
Benzo(k)fluoranthene	S15-No10885	CP	%	89			70-130	Pass	
Chrysene	S15-No10885	CP	%	88			70-130	Pass	
Dibenz(a.h)anthracene	S15-No10885	CP	%	73			70-130	Pass	
Fluoranthene	S15-No10885	CP	%	82			70-130	Pass	
Fluorene	S15-No10885	CP	%	80			70-130	Pass	
Indeno(1.2.3-cd)pyrene	S15-No10885	CP	%	74			70-130	Pass	
Naphthalene	S15-No10885	CP	%	81			70-130	Pass	
Phenanthrene	S15-No10885	CP	%	78			70-130	Pass	
Pyrene	S15-No10885	CP	%	85			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1					
TRH >C10-C16	S15-No10885	CP	%	70			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S15-No10885	CP	%	97			70-130	Pass	
Cadmium	S15-No10885	CP	%	97			70-130	Pass	
Chromium	S15-No10885	CP	%	95			70-130	Pass	
Copper	S15-No10885	CP	%	101			70-130	Pass	
Lead	S15-No10885	CP	%	96			70-130	Pass	
Mercury	S15-No10885	CP	%	90			70-130	Pass	
Nickel	S15-No10885	CP	%	93			70-130	Pass	
Zinc	S15-No10885	CP	%	97			70-130	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
Chlordanes - Total	S15-No10888	CP	%	93			70-130	Pass	
4.4'-DDD	S15-No10888	CP	%	98			70-130	Pass	
4.4'-DDE	S15-No10888	CP	%	95			70-130	Pass	
4.4'-DDT	S15-No10888	CP	%	94			70-130	Pass	
a-BHC	S15-No10888	CP	%	93			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Aldrin	S15-No10888	CP	%	98			70-130	Pass	
b-BHC	S15-No10888	CP	%	97			70-130	Pass	
d-BHC	S15-No10888	CP	%	103			70-130	Pass	
Dieldrin	S15-No10888	CP	%	96			70-130	Pass	
Endosulfan I	S15-No10888	CP	%	92			70-130	Pass	
Endosulfan II	S15-No10888	CP	%	96			70-130	Pass	
Endosulfan sulphate	S15-No10888	CP	%	102			70-130	Pass	
Endrin	S15-No10888	CP	%	93			70-130	Pass	
Endrin aldehyde	S15-No10888	CP	%	108			70-130	Pass	
Endrin ketone	S15-No10888	CP	%	98			70-130	Pass	
g-BHC (Lindane)	S15-No10888	CP	%	96			70-130	Pass	
Heptachlor	S15-No10888	CP	%	113			70-130	Pass	
Heptachlor epoxide	S15-No10888	CP	%	92			70-130	Pass	
Hexachlorobenzene	S15-No10888	CP	%	90			70-130	Pass	
Methoxychlor	S15-No10888	CP	%	90			70-130	Pass	
Spike - % Recovery									
Polychlorinated Biphenyls (PCB)				Result 1					
Aroclor-1260	S15-No10888	CP	%	73			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons - 1999 NEPM Fractions				Result 1					
TRH C6-C9	S15-No10902	CP	%	70			70-130	Pass	
TRH C10-C14	S15-No10902	CP	%	70			70-130	Pass	
Spike - % Recovery									
BTEX				Result 1					
Benzene	S15-No10902	CP	%	87			70-130	Pass	
Toluene	S15-No10902	CP	%	83			70-130	Pass	
Ethylbenzene	S15-No10902	CP	%	79			70-130	Pass	
m&p-Xylenes	S15-No10902	CP	%	83			70-130	Pass	
o-Xylene	S15-No10902	CP	%	81			70-130	Pass	
Xylenes - Total	S15-No10902	CP	%	82			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1					
Naphthalene	S15-No10902	CP	%	73			70-130	Pass	
TRH C6-C10	S15-No10902	CP	%	92			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1					
TRH >C10-C16	S15-No10902	CP	%	77			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S15-No10902	CP	%	85			70-130	Pass	
Cadmium	S15-No10902	CP	%	97			70-130	Pass	
Chromium	S15-No10902	CP	%	84			70-130	Pass	
Lead	S15-No10902	CP	%	87			70-130	Pass	
Mercury	S15-No10902	CP	%	102			70-130	Pass	
Nickel	S15-No10902	CP	%	78			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons - 1999 NEPM Fractions				Result 1					
TRH C6-C9	S15-No10923	CP	%	80			70-130	Pass	
TRH C10-C14	S15-No10923	CP	%	85			70-130	Pass	
Spike - % Recovery									
BTEX				Result 1					
Benzene	S15-No10923	CP	%	83			70-130	Pass	
Toluene	S15-No10923	CP	%	83			70-130	Pass	
Ethylbenzene	S15-No10923	CP	%	90			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
m&p-Xylenes	S15-No10923	CP	%	92			70-130	Pass	
o-Xylene	S15-No10923	CP	%	90			70-130	Pass	
Xylenes - Total	S15-No10923	CP	%	91			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1					
Naphthalene	S15-No10923	CP	%	87			70-130	Pass	
TRH C6-C10	S15-No10923	CP	%	90			70-130	Pass	
Spike - % Recovery									
Polycyclic Aromatic Hydrocarbons				Result 1					
Acenaphthene	S15-No10923	CP	%	85			70-130	Pass	
Acenaphthylene	S15-No10923	CP	%	82			70-130	Pass	
Anthracene	S15-No10923	CP	%	86			70-130	Pass	
Benz(a)anthracene	S15-No10923	CP	%	96			70-130	Pass	
Benzo(a)pyrene	S15-No10923	CP	%	103			70-130	Pass	
Benzo(b&j)fluoranthene	S15-No10923	CP	%	112			70-130	Pass	
Benzo(g.h.i)perylene	S15-No10923	CP	%	87			70-130	Pass	
Benzo(k)fluoranthene	S15-No10923	CP	%	97			70-130	Pass	
Chrysene	S15-No10923	CP	%	95			70-130	Pass	
Dibenz(a.h)anthracene	S15-No10923	CP	%	78			70-130	Pass	
Fluoranthene	S15-No10923	CP	%	94			70-130	Pass	
Fluorene	S15-No10923	CP	%	84			70-130	Pass	
Indeno(1.2.3-cd)pyrene	S15-No10923	CP	%	86			70-130	Pass	
Naphthalene	S15-No10923	CP	%	84			70-130	Pass	
Phenanthrene	S15-No10923	CP	%	83			70-130	Pass	
Pyrene	S15-No10923	CP	%	96			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1					
TRH >C10-C16	S15-No10923	CP	%	79			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S15-No10923	CP	%	77			70-130	Pass	
Cadmium	S15-No10923	CP	%	87			70-130	Pass	
Copper	S15-No10923	CP	%	83			70-130	Pass	
Mercury	S15-No10923	CP	%	89			70-130	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Duplicate									
Total Recoverable Hydrocarbons - 1999 NEPM Fractions				Result 1	Result 2	RPD			
TRH C6-C9	S15-No10884	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C10-C14	S15-No10884	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	S15-No10884	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	S15-No10884	CP	mg/kg	< 50	< 50	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S15-No10884	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	S15-No10884	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	S15-No10884	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	S15-No10884	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	S15-No10884	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total	S15-No10884	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD			
Naphthalene	S15-No10884	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
TRH C6-C10	S15-No10884	CP	mg/kg	< 20	< 20	<1	30%	Pass	

Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S15-No10884	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S15-No10884	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S15-No10884	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S15-No10884	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S15-No10884	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S15-No10884	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S15-No10884	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S15-No10884	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S15-No10884	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S15-No10884	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S15-No10884	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S15-No10884	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S15-No10884	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S15-No10884	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S15-No10884	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S15-No10884	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD			
TRH >C10-C16	S15-No10884	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	S15-No10884	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	S15-No10884	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Conductivity (1:5 aqueous extract at 25°C)	S15-No10884	CP	uS/cm	250	260	4.0	30%	Pass	
pH (1:5 Aqueous extract)	S15-No10884	CP	pH Units	8.9	8.5	pass	30%	Pass	
% Moisture	S15-No10884	CP	%	13	11	13	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S15-No10884	CP	mg/kg	2.2	2.1	6.0	30%	Pass	
Cadmium	S15-No10884	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S15-No10884	CP	mg/kg	8.7	8.7	<1	30%	Pass	
Copper	S15-No10884	CP	mg/kg	43	40	7.0	30%	Pass	
Lead	S15-No10884	CP	mg/kg	5.2	< 5	8.0	30%	Pass	
Mercury	S15-No10884	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Nickel	S15-No10884	CP	mg/kg	30	27	12	30%	Pass	
Zinc	S15-No10884	CP	mg/kg	27	32	15	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S15-No10885	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S15-No10885	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S15-No10885	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S15-No10885	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-BHC	S15-No10885	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S15-No10885	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-BHC	S15-No10885	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-BHC	S15-No10885	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S15-No10885	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S15-No10885	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S15-No10885	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S15-No10885	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S15-No10885	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S15-No10885	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S15-No10885	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	

Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
g-BHC (Lindane)	S15-No10885	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S15-No10885	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S15-No10885	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S15-No10885	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S15-No10885	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
Toxaphene	S15-No10885	CP	mg/kg	< 1	< 1	<1	30%	Pass	
Duplicate									
Polychlorinated Biphenyls (PCB)				Result 1	Result 2	RPD			
Aroclor-1016	S15-No10958	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Aroclor-1232	S15-No10958	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Aroclor-1242	S15-No10958	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Aroclor-1248	S15-No10958	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Aroclor-1254	S15-No10958	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Aroclor-1260	S15-No10958	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 1999 NEPM Fractions				Result 1	Result 2	RPD			
TRH C6-C9	S15-No10900	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C10-C14	S15-No10900	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	S15-No10900	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	S15-No10900	CP	mg/kg	< 50	< 50	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S15-No10900	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	S15-No10900	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	S15-No10900	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	S15-No10900	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	S15-No10900	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total	S15-No10900	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD			
Naphthalene	S15-No10900	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
TRH C6-C10	S15-No10900	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD			
TRH >C10-C16	S15-No10900	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	S15-No10900	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	S15-No10900	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
% Moisture	S15-No10900	CP	%	17	18	2.0	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S15-No10900	CP	mg/kg	4.8	4.8	<1	30%	Pass	
Cadmium	S15-No10900	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S15-No10900	CP	mg/kg	11	10	7.0	30%	Pass	
Copper	S15-No10900	CP	mg/kg	19	18	7.0	30%	Pass	
Lead	S15-No10900	CP	mg/kg	6.2	6.1	1.0	30%	Pass	
Mercury	S15-No10900	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Nickel	S15-No10900	CP	mg/kg	7.7	7.8	1.0	30%	Pass	
Zinc	S15-No10900	CP	mg/kg	15	14	3.0	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Conductivity (1:5 aqueous extract at 25°C)	S15-No10908	CP	uS/cm	990	990	1.0	30%	Pass	
pH (1:5 Aqueous extract)	S15-No10908	CP	pH Units	11	12	pass	30%	Pass	

Duplicate									
Total Recoverable Hydrocarbons - 1999 NEPM Fractions				Result 1	Result 2	RPD			
TRH C6-C9	S15-No10918	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C10-C14	S15-No10918	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	S15-No10918	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	S15-No10918	CP	mg/kg	< 50	< 50	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S15-No10918	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	S15-No10918	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	S15-No10918	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	S15-No10918	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	S15-No10918	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total	S15-No10918	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD			
Naphthalene	S15-No10918	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
TRH C6-C10	S15-No10918	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S15-No10918	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S15-No10918	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S15-No10918	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S15-No10918	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S15-No10918	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S15-No10918	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S15-No10918	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S15-No10918	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S15-No10918	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S15-No10918	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S15-No10918	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S15-No10918	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S15-No10918	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S15-No10918	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S15-No10918	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S15-No10918	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD			
TRH >C10-C16	S15-No10918	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	S15-No10918	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	S15-No10918	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
% Moisture	S15-No10918	CP	%	11	13	13	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S15-No10918	CP	mg/kg	4.6	3.5	26	30%	Pass	
Cadmium	S15-No10918	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S15-No10918	CP	mg/kg	10	12	15	30%	Pass	
Copper	S15-No10918	CP	mg/kg	24	24	<1	30%	Pass	
Lead	S15-No10918	CP	mg/kg	8.0	7.8	3.0	30%	Pass	
Mercury	S15-No10918	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Nickel	S15-No10918	CP	mg/kg	33	34	2.0	30%	Pass	
Zinc	S15-No10918	CP	mg/kg	35	35	<1	30%	Pass	

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Qualifier Codes/Comments

Code	Description
N01	F2 is determined by arithmetically subtracting the "naphthalene" value from the ">C10-C16" value. The naphthalene value used in this calculation is obtained from volatiles (Purge & Trap analysis).
N02	Where we have reported both volatile (P&T GCMS) and semivolatile (GCMS) naphthalene data, results may not be identical. Provided correct sample handling protocols have been followed, any observed differences in results are likely to be due to procedural differences within each methodology. Results determined by both techniques have passed all QAQC acceptance criteria, and are entirely technically valid.
N04	F1 is determined by arithmetically subtracting the "Total BTEX" value from the "C6-C10" value. The "Total BTEX" value is obtained by summing the concentrations of BTEX analytes. The "C6-C10" value is obtained by quantitating against a standard of mixed aromatic/aliphatic analytes.
N07	Please note:- These two PAH isomers closely co-elute using the most contemporary analytical methods and both the reported concentration (and the TEQ) apply specifically to the total of the two co-eluting PAHs

Authorised By

Charl Du Preez	Analytical Services Manager
Bob Symons	Senior Analyst-Inorganic (NSW)
Ivan Taylor	Senior Analyst-Metal (NSW)
Ryan Hamilton	Senior Analyst-Organic (NSW)
Ryan Hamilton	Senior Analyst-Volatile (NSW)

Glenn Jackson

National Operations Manager

Final report - this Report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Uncertainty data is available on request

03976

CHAIN OF CUSTODY

JBS&G

PROJECT NO.: 57189
PROJECT NAME: Bletchtown Hospital
SEND REPORT TO: SEND INVOICE TO:
DATE NEEDED BY:
COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL: COB Tuesday

LABORATORY BATCH NO.:
SAMPLERS:
PHONE: SYDNEY 02 8245 0300 – PERTH 08 9488 0100 EMAIL:
QC LEVEL: NEPM (2013)

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	
BH01	Soil			Ghg bag		X
02						
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						

PQ

479522

NOTES: ENM

Type I
II
III

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: Ethan Wh 13/11/5	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G	TRANSPORT CO.	DATE: OF: EPHarget 1030	COOLER TEMP ..... deg C
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF:	TRANSPORT CO	OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Oth

Sample Receipt 1 Syd

From: Daniel Denaro <DDenaro@jbsg.com.au>
Sent: Saturday, 14 November 2015 5:00 PM
To: Sample Receipt 1 Syd
Cc: EnviroSampleNSW
Subject: Re: Blacktown Hospital

Hey,

Foreign Materials Bags:
- Please let me know how you go with these on Monday. I will give you a call Monday morning to sort it out.

Sample Jars:
The sample with analysis requested, BH20-D, if there is another sample for that hole (BH20-C) on analysis, please analyse this instead. I just need one sample per borehole location.

Asbestos Bags:
Bags: 8, 9, 14, 15 should be on one of the asbestos COCs, perhaps the Roads one? If not, please analyse these for Pres/Abs

The bag on the right (more muddy) is BH22.

Please analyse the two bags pictured as BH33-V and BH35-V.

Good call on labelling as per the COC.

Daniel Denaro | Environmental Consultant| JBS&G
Sydney | Melbourne | Adelaide | Perth | Brisbane
Level 1, 50 Margaret Street Sydney NSW 2000
T: 02 8245 0300 | M: 0468 425 321 | www.jbsg.com.au
Contaminated Land | Groundwater Remediation | Auditing and Compliance | Assessments and Approvals | Occupational Hygiene and Monitoring

---

From: Sample Receipt 1 Syd <sample_syd_1@eurofins.com.au>
Sent: Saturday, 14 November 2015 2:02 PM
To: Daniel Denaro
Cc: EnviroSampleNSW
Subject: FW: Blacktown Hospital

JW # 479519
479522
479523

Hi Daniel,
Just labelled the foreign material bags and there were extra samples placed on hold:
BH23-S
E
E1
E2
There are 2 bags that I can't locate the ID and one ID that is unclear, also missing 3 samples BH06, BH09 & BH22 hopefully Sue can have a better look on Monday & will let you know.
Many thanks

Ellen

Sample Receipt 1 Syd
Phone : +61 2 9900 8400
Email : sample_syd_1@eurofins.com.au

TAT Statistics removed to draw attention to our 2015 Client Survey
Win a $200 Coles/Myer voucher by completing our 5 minute client survey! - Click here to participate

---

From: Sample Receipt 1 Syd
Sent: Saturday, 14 November 2015 12:51 PM
To: Daniel Denaro
Cc: EnviroSampleNSW
Subject: Blacktown Hospital

Hi Daniel,
Upon sorting Blacktown Hospital project:
Sample jars not received thus cancelled:
BH19-C on hold
BH20-D analysis requested

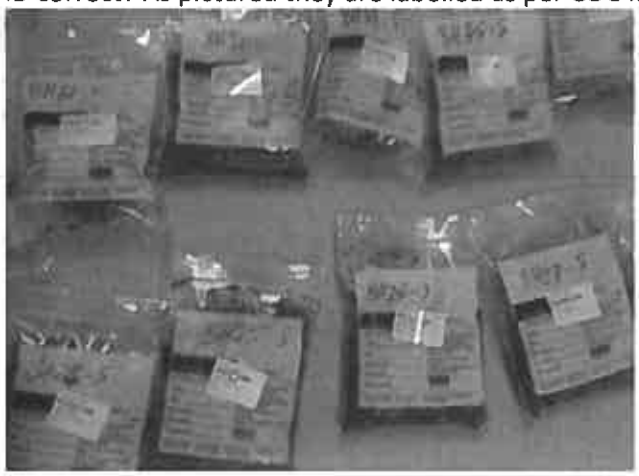
There was no analysis against BH23-D would this be R17?

Extra bags received:
BH08, BH09, BH14 & BH15 currently on hold, they had been scratched from the COC.

Two sample received BH21 and no BH22 can you distinguish the two pictured?

Missing BH33-V & BH35-V but have the below:

Lastly all samples upon the COC from BH23-BH36 bags are labelled as BH23-S -BH36-S is the COC correct or the bag ID correct? As pictured they are labelled as per COC ID.



Thanks
Ellen

Sample Receipt 1 Syd

Eurofins | mgt
Unit F3, Parkview Building
16 Mars Road
LANE COVE WEST NSW 2066
AUSTRALIA
Phone : +61 2 9900 8400
Fax : +61 2 9420 2977

Email : sample_syd_1@eurofins.com.au
Website : environment.eurofins.com.au

TAT statistics removed to draw attention to our 2015 Client Survey
Win a $200 Coles/Myer voucher by completing our 5 minute client survey! Click here to participate

eurofins | mgt

Certificate of Analysis

JBS & G Australia (NSW & WA) P/L
Level 1, 50 Margaret St
Sydney
NSW 2000

NATA Accredited
Accreditation Number 1261
Site Number 1254

Accredited for compliance with ISO/IEC 17025.
The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards.

Attention: **Daniel Denaro**

Report **479522-S**
Project name BLACKTOWN HOSPITAL
Project ID 51189
Received Date Nov 13, 2015

Client Sample ID			**BH01**	**BH02**	**BH03**	**BH04**
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins | mgt Sample No.			**S15-No10976**	**S15-No10977**	**S15-No10978**	**S15-No10979**
Date Sampled			**Nov 13, 2015**	**Nov 13, 2015**	**Nov 13, 2015**	**Nov 13, 2015**
Test/Reference	LOR	Unit				
Foreign Materials - ENM						
Initial Weight	0.01	kg	9.6	9.1	5.3	6.0
Foreign Material - Type I						
Metal*	0.1	%	< 0.1	< 0.1	< 0.1	< 0.1
Glass*	0.1	%	< 0.1	< 0.1	< 0.1	< 0.1
Asphalt*	0.1	%	< 0.1	< 0.1	< 0.1	< 0.1
Stone*	0.1	%	0.7	0.6	0.7	< 0.1
Ceramic and slag (other than blast furnace slag)*	0.1	%	< 0.1	< 0.1	< 0.1	< 0.1
Foreign Material - Type II						
Plaster*	0.1	%	< 0.1	< 0.1	< 0.1	< 0.1
Clay lumps and other friable material*	0.1	%	28	21	18	31
Foreign Material - Type III						
Rubber*	0.05	%	< 0.05	< 0.05	< 0.05	< 0.05
Plastic*	0.05	%	< 0.05	< 0.05	< 0.05	< 0.05
Bitumen*	0.05	%	< 0.05	< 0.05	< 0.05	< 0.05
Paper*	0.05	%	< 0.05	< 0.05	< 0.05	< 0.05
Cloth*	0.05	%	< 0.05	< 0.05	< 0.05	< 0.05
Paint*	0.05	%	< 0.05	< 0.05	< 0.05	< 0.05
Wood and other vegetable matter*	0.05	%	< 0.05	< 0.05	< 0.05	< 0.05

Client Sample ID			**BH05**	**BH06**	**BH07**	**BH08**
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins | mgt Sample No.			**S15-No10980**	**S15-No10981**	**S15-No10982**	**S15-No10983**
Date Sampled			**Nov 13, 2015**	**Nov 13, 2015**	**Nov 13, 2015**	**Nov 13, 2015**
Test/Reference	LOR	Unit				
Foreign Materials - ENM						
Initial Weight	0.01	kg	6.2	8.9	6.8	7.8
Foreign Material - Type I						
Metal*	0.1	%	< 0.1	< 0.1	< 0.1	< 0.1
Glass*	0.1	%	< 0.1	< 0.1	< 0.1	< 0.1
Asphalt*	0.1	%	< 0.1	< 0.1	< 0.1	< 0.1
Stone*	0.1	%	< 0.1	8.3	< 0.1	1.7
Ceramic and slag (other than blast furnace slag)*	0.1	%	< 0.1	< 0.1	< 0.1	< 0.1

Client Sample ID			BH05	BH06	BH07	BH08
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S15-No10980	S15-No10981	S15-No10982	S15-No10983
Date Sampled			Nov 13, 2015	Nov 13, 2015	Nov 13, 2015	Nov 13, 2015
Test/Reference	LOR	Unit				
Foreign Material - Type II						
Plaster*	0.1	%	< 0.1	< 0.1	< 0.1	< 0.1
Clay lumps and other friable material*	0.1	%	21	29	14	27
Foreign Material - Type III						
Rubber*	0.05	%	< 0.05	< 0.05	< 0.05	< 0.05
Plastic*	0.05	%	< 0.05	< 0.05	< 0.05	< 0.05
Bitumen*	0.05	%	< 0.05	< 0.05	< 0.05	< 0.05
Paper*	0.05	%	< 0.05	< 0.05	< 0.05	< 0.05
Cloth*	0.05	%	< 0.05	< 0.05	< 0.05	< 0.05
Paint*	0.05	%	< 0.05	< 0.05	< 0.05	< 0.05
Wood and other vegetable matter*	0.05	%	< 0.05	< 0.05	< 0.05	< 0.05

Client Sample ID			BH09	BH10	BH11	BH12
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S15-No10984	S15-No10985	S15-No10986	S15-No10987
Date Sampled			Nov 13, 2015	Nov 13, 2015	Nov 13, 2015	Nov 13, 2015
Test/Reference	LOR	Unit				
Foreign Materials - ENM						
Initial Weight	0.01	kg	7.7	7.0	6.8	7.2
Foreign Material - Type I						
Metal*	0.1	%	< 0.1	< 0.1	< 0.1	< 0.1
Glass*	0.1	%	< 0.1	< 0.1	< 0.1	< 0.1
Asphalt*	0.1	%	< 0.1	< 0.1	< 0.1	< 0.1
Stone*	0.1	%	5.8	1.9	1.7	1.3
Ceramic and slag (other than blast furnace slag)*	0.1	%	< 0.1	< 0.1	< 0.1	< 0.1
Foreign Material - Type II						
Plaster*	0.1	%	< 0.1	< 0.1	< 0.1	< 0.1
Clay lumps and other friable material*	0.1	%	22	32	19	26
Foreign Material - Type III						
Rubber*	0.05	%	< 0.05	< 0.05	< 0.05	< 0.05
Plastic*	0.05	%	< 0.05	< 0.05	< 0.05	< 0.05
Bitumen*	0.05	%	< 0.05	< 0.05	< 0.05	< 0.05
Paper*	0.05	%	< 0.05	< 0.05	< 0.05	< 0.05
Cloth*	0.05	%	< 0.05	< 0.05	< 0.05	< 0.05
Paint*	0.05	%	< 0.05	< 0.05	< 0.05	< 0.05
Wood and other vegetable matter*	0.05	%	< 0.05	< 0.05	< 0.05	< 0.05

Client Sample ID			BH13	BH14	BH15	BH16
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S15-No10988	S15-No10989	S15-No10990	S15-No10991
Date Sampled			Nov 13, 2015	Nov 13, 2015	Nov 13, 2015	Nov 13, 2015
Test/Reference	LOR	Unit				
Foreign Materials - ENM						
Initial Weight	0.01	kg	6.2	7.8	6.8	6.9

Client Sample ID			BH13	BH14	BH15	BH16
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins | mgt Sample No.			S15-No10988	S15-No10989	S15-No10990	S15-No10991
Date Sampled			Nov 13, 2015	Nov 13, 2015	Nov 13, 2015	Nov 13, 2015
Test/Reference	LOR	Unit				
Foreign Material - Type I						
Metal*	0.1	%	< 0.1	< 0.1	< 0.1	< 0.1
Glass*	0.1	%	< 0.1	< 0.1	< 0.1	< 0.1
Asphalt*	0.1	%	< 0.1	< 0.1	< 0.1	< 0.1
Stone*	0.1	%	1.0	6.6	2.8	0.7
Ceramic and slag (other than blast furnace slag)*	0.1	%	< 0.1	< 0.1	< 0.1	< 0.1
Foreign Material - Type II						
Plaster*	0.1	%	< 0.1	< 0.1	< 0.1	< 0.1
Clay lumps and other friable material*	0.1	%	21	33	26	36
Foreign Material - Type III						
Rubber*	0.05	%	< 0.05	< 0.05	< 0.05	< 0.05
Plastic*	0.05	%	< 0.05	< 0.05	< 0.05	< 0.05
Bitumen*	0.05	%	< 0.05	< 0.05	< 0.05	< 0.05
Paper*	0.05	%	< 0.05	< 0.05	< 0.05	< 0.05
Cloth*	0.05	%	< 0.05	< 0.05	< 0.05	< 0.05
Paint*	0.05	%	< 0.05	< 0.05	< 0.05	< 0.05
Wood and other vegetable matter*	0.05	%	< 0.05	< 0.05	< 0.05	< 0.05

Client Sample ID			BH17	BH18	BH19
Sample Matrix			Soil	Soil	Soil
Eurofins | mgt Sample No.			S15-No10992	S15-No10993	S15-No10994
Date Sampled			Nov 13, 2015	Nov 13, 2015	Nov 13, 2015
Test/Reference	LOR	Unit			
Foreign Materials - ENM					
Initial Weight	0.01	kg	8.6	7.7	6.2
Foreign Material - Type I					
Metal*	0.1	%	< 0.1	< 0.1	< 0.1
Glass*	0.1	%	< 0.1	< 0.1	< 0.1
Asphalt*	0.1	%	< 0.1	< 0.1	< 0.1
Stone*	0.1	%	2.0	< 0.1	8.7
Ceramic and slag (other than blast furnace slag)*	0.1	%	< 0.1	< 0.1	< 0.1
Foreign Material - Type II					
Plaster*	0.1	%	< 0.1	< 0.1	< 0.1
Clay lumps and other friable material*	0.1	%	31	38	25
Foreign Material - Type III					
Rubber*	0.05	%	< 0.05	< 0.05	< 0.05
Plastic*	0.05	%	< 0.05	< 0.05	< 0.05
Bitumen*	0.05	%	< 0.05	< 0.05	< 0.05
Paper*	0.05	%	< 0.05	< 0.05	< 0.05
Cloth*	0.05	%	< 0.05	< 0.05	< 0.05
Paint*	0.05	%	< 0.05	< 0.05	< 0.05
Wood and other vegetable matter*	0.05	%	< 0.05	< 0.05	0.12

Sample History

Where samples are submitted/analysed over several days, the last date of extraction and analysis is reported.
A recent review of our LIMS has resulted in the correction or clarification of some method identifications. Due to this, some of the method reference information on reports has changed. However, no substantive change has been made to our laboratory methods, and as such there is no change in the validity of current or previous results (regarding both quality and NATA accreditation).

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description	Testing Site	Extracted	Holding Time
Foreign Material - Type I	Sydney	Nov 14, 2015	180 Day
- Method: RMS Method T276			
Foreign Material - Type II	Sydney	Nov 14, 2015	180 Day
- Method: RMS Method T276			
Foreign Material - Type III	Sydney	Nov 14, 2015	180 Day
- Method: RMS Method T276			

Melbourne
3-5 Kingston Town Close
Oakleigh VIC 3166
Phone : +61 3 8564 5000
NATA # 1261
Site # 1254 & 14271

web : www.eurofins.com.au
e.mail : EnviroSales@eurofins.com.au
ABN : 50 005 085 521

Eurofins | mgt Unit F3, Building F, 16 Mars Road, Lane Cove West, NSW, Australia, 2066
Telephone: +61 2 9900 8400 Facsimile: +61 2 9420 2977

Company Name: JBS & G Australia (NSW & WA) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: BLACKTOWN HOSPITAL
Project ID: 51189

Order No.:
Report #: 479522
Phone: 02 8245 0300
Fax:

Received: Nov 13, 2015 7:30 PM
Due: Nov 18, 2015
Priority: 4 Day
Contact Name: Daniel Denaro

Eurofins | mgt Client Manager: Charl Du Preez

Sample Detail					HOLD	Foreign Materials - ENM
Laboratory where analysis is conducted						
Melbourne Laboratory - NATA Site # 1254 & 14271						
Sydney Laboratory - NATA Site # 18217					X	X
Brisbane Laboratory - NATA Site # 20794						
External Laboratory						
Sample ID		**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**	
H01		Nov 13, 2015		Soil	S15-No10976	X
H02		Nov 13, 2015		Soil	S15-No10977	X
H03		Nov 13, 2015		Soil	S15-No10978	X
H04		Nov 13, 2015		Soil	S15-No10979	X
H05		Nov 13, 2015		Soil	S15-No10980	X
H06		Nov 13, 2015		Soil	S15-No10981	X
H07		Nov 13, 2015		Soil	S15-No10982	X
H08		Nov 13, 2015		Soil	S15-No10983	X
H09		Nov 13, 2015		Soil	S15-No10984	X

Date Reported:Nov 18, 2015

Melbourne
3-5 Kingston Town Close
Oakleigh VIC 3166
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NATA # 1261
Site # 1254 & 14271

web : www.eurofins.com.au
e.mail : EnviroSales@eurofins.com.au
ABN : 50 005 085 521

Company Name:	JBS & G Australia (NSW & WA) P/L	**Order No.:**		**Received:**	Nov 13, 2015 7:30 PM
Address:	Level 1, 50 Margaret St Sydney NSW 2000	**Report #:**	479522	**Due:**	Nov 18, 2015
		Phone:	02 8245 0300	**Priority:**	4 Day
		Fax:		**Contact Name:**	Daniel Denaro
Project Name:	BLACKTOWN HOSPITAL				
Project ID:	51189				

Eurofins | mgt Client Manager: Charl Du Preez

Sample Detail						HOLD	Foreign Materials - ENM
Laboratory where analysis is conducted							
Melbourne Laboratory - NATA Site # 1254 & 14271							
Sydney Laboratory - NATA Site # 18217						X	X
Brisbane Laboratory - NATA Site # 20794							
External Laboratory							
H10		Nov 13, 2015		Soil	S15-No10985		X
H11		Nov 13, 2015		Soil	S15-No10986		X
H12		Nov 13, 2015		Soil	S15-No10987		X
H13		Nov 13, 2015		Soil	S15-No10988		X
H14		Nov 13, 2015		Soil	S15-No10989		X
H15		Nov 13, 2015		Soil	S15-No10990		X
H16		Nov 13, 2015		Soil	S15-No10991		X
H17		Nov 13, 2015		Soil	S15-No10992		X
H18		Nov 13, 2015		Soil	S15-No10993		X
H19		Nov 13, 2015		Soil	S15-No10994		X

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Company Name:	JBS & G Australia (NSW & WA) P/L	**Order No.:**		**Received:**	Nov 13, 2015 7:30 PM
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Project Name:	BLACKTOWN HOSPITAL				
Project ID:	51189				

Eurofins | mgt Client Manager: Charl Du Preez

Sample Detail					HOLD	Foreign Materials - ENM
Laboratory where analysis is conducted						
Melbourne Laboratory - NATA Site # 1254 & 14271						
Sydney Laboratory - NATA Site # 18217					X	X
Brisbane Laboratory - NATA Site # 20794						
External Laboratory						
423-S	Nov 13, 2015		Soil	S15-No11106	X	
	Nov 13, 2015		Soil	S15-No11107	X	
	Nov 13, 2015		Soil	S15-No11108	X	
	Nov 13, 2015		Soil	S15-No11109	X	

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Internal Quality Control Review and Glossary

General

1. Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples are included in this QC report where applicable. Additional QC data may be available on request.
2. All soil results are reported on a dry basis, unless otherwise stated.
3. Actual LORs are matrix dependant. Quoted LORs may be raised where sample extracts are diluted due to interferences.
4. Results are uncorrected for matrix spikes or surrogate recoveries.
5. SVOC analysis on waters are performed on homogenised, unfiltered samples, unless noted otherwise.
6. Samples were analysed on an 'as received' basis. 7. This report replaces any interim results previously issued.

Holding Times

Please refer to 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours prior to sample receipt deadlines as stated on the Sample Receipt Advice.

If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

****NOTE:** pH duplicates are reported as a range NOT as RPD

Units

mg/kg: milligrams per Kilogram

mg/l: milligrams per litre

ug/l: micrograms per litre

ppm: Parts per million

ppb: Parts per billion

%: Percentage

org/100ml: Organisms per 100 millilitres

NTU: Nephelometric Turbidity Units

MPN/100mL: Most Probable Number of organisms per 100 millilitres

Terms

Dry	Where a moisture has been determined on a solid sample the result is expressed on a dry basis.
LOR	Limit of Reporting.
SPIKE	Addition of the analyte to the sample and reported as percentage recovery.
RPD	Relative Percent Difference between two Duplicate pieces of analysis.
LCS	Laboratory Control Sample - reported as percent recovery
CRM	Certified Reference Material - reported as percent recovery
Method Blank	In the case of solid samples these are performed on laboratory certified clean sands. In the case of water samples these are performed on de-ionised water.
Surr - Surrogate	The addition of a like compound to the analyte target and reported as percentage recovery.
Duplicate	A second piece of analysis from the same sample and reported in the same units as the result to show comparison.
Batch Duplicate	A second piece of analysis from a sample outside of the clients batch of samples but run within the laboratory batch of analysis.
Batch SPIKE	Spike recovery reported on a sample from outside of the clients batch of samples but run within the laboratory batch of analysis.
USEPA	United States Environmental Protection Agency
APHA	American Public Health Association
ASLP	Australian Standard Leaching Procedure (AS4439.3)
TCLP	Toxicity Characteristic Leaching Procedure
COC	Chain of Custody
SRA	Sample Receipt Advice
CP	Client Parent - QC was performed on samples pertaining to this report
NCP	Non-Client Parent - QC performed on samples not pertaining to this report, QC is representative of the sequence or batch that client samples were analysed within
TEQ	Toxic Equivalency Quotient

QC - Acceptance Criteria

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is 30% however the following acceptance guidelines are equally applicable:

Results <10 times the LOR : No Limit

Results between 10-20 times the LOR : RPD must lie between 0-50%

Results >20 times the LOR : RPD must lie between 0-30%

Surrogate Recoveries : Recoveries must lie between 50-150% - Phenols 20-130%.

QC Data General Comments

1. Where a result is reported as a less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
2. Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch, but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown is not data from your samples.
3. Organochlorine Pesticide analysis - where reporting LCS data, Toxophene & Chlordane are not added to the LCS.
4. Organochlorine Pesticide analysis - where reporting Spike data, Toxophene is not added to the Spike.
5. Total Recoverable Hydrocarbons - where reporting Spike & LCS data, a single spike of commercial Hydrocarbon products in the range of C12-C30 is added and it's Total Recovery is reported in the C10-C14 cell of the Report.
6. pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling.Therefore laboratory analysis is unlikely to be completed within holding time. Analysis will begin as soon as possible after sample receipt.
7. Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of Recovery the term "INT" appears against that analyte.
8. Polychlorinated Biphenyls are spiked only using Arochlor 1260 in Matrix Spikes and LCS's.
9. For Matrix Spikes and LCS results a dash " -" in the report means that the specific analyte was not added to the QC sample.
10. Duplicate RPD's are calculated from raw analytical data thus it is possible to have two sets of data.

Quality Control Results

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Authorised By

Charl Du Preez Analytical Services Manager

Glenn Jackson
National Operations Manager

Final report - this Report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Uncertainty data is available on request

Bags 03972

CHAIN OF CUSTODY

JBS&G

PROJECT NO.: 57789	LABORATORY BATCH NO.:
PROJECT NAME:	SAMPLERS:
SEND REPORT TO: SEND INVOICE TO:	PHONE: SYDNEY 02 8245 0300 – PERTH 08 9488 0100 EMAIL:
DATE NEEDED BY: 3 day → COB Tuesday.	QC LEVEL: NEPM (2013)

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Asb-Pres	NOTES: 479523
BH01	Soil			J.		X	
02						X	
03						X	
04						X	
05						X	
06						X	
07						X	
[illegible]						X	
[illegible]						X	
10						X	
11						X	
12						X	
13						X	
[illegible]						X	
[illegible]						X	
16						X	
17						X	
18						X	
19						X	

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: DATE: OF: JBS&G	CONSIGNMENT NOTE NO. TRANSPORT CO.	NAME: Glenn Wong DATE: 8/11/5 1930. OF: Envirolab	COOLER SEAL – Yes....... No .... Intact .... Broken .... COOLER TEMP .... deg C
NAME: DATE: OF:	CONSIGNMENT NOTE NO. TRANSPORT CO	NAME: DATE: OF:	COOLER SEAL – Yes....... No .... Intact .... Broken .... COOLER TEMP .... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Oth

03973

CHAIN OF CUSTODY

JBSs

PROJECT NO.: 51189
PROJECT NAME:
SEND REPORT TO: SEND INVOICE TO:
DATE NEEDED BY:
COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

LABORATORY BATCH NO.:
SAMPLERS:
PHONE: SYDNEY 02 8245 0300 – PERTH 08 9488 0100 EMAIL:
QC LEVEL: NEPM (2013)

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	BOTTLES	NOTES:
BH20						x	
21						x	
22						x	
QA 01						x	
02						x	
03						x	
BH37 - V						x	
BH01 - N						x	
02 - N						x	
04 - N						x	
06 - N						x	
13 - V						x	
17 - V						x	
24 - V						x	
26 - V						x	
28 - V						x	
33 - V						x	
35 - V						x	

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE: 131115	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G	TRANSPORT CO.	OF: 1930	COOLER TEMP ..... deg C
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF:	TRANSPORT CO	OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Oth

03974

CHAIN OF CUSTODY

JBS&G

PROJECT NO.: 51189
PROJECT NAME:
SEND REPORT TO: SEND INVOICE TO:
DATE NEEDED BY: COB Tuesday
COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

LABORATORY BATCH NO.:
SAMPLERS:
PHONE: SYDNEY 02 8245 0300 – PERTH 08 9488 0100 EMAIL:
QC LEVEL: NEPM (2013)

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH		NOTES:
BH23	Soil			50mL bag		X	
24						X	
25						X	
26						X	
27						X	
28						X	
29						X	
30						X	
31						X	

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE: B1115	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G	TRANSPORT CO.	OF: 1930	COOLER TEMP ..... deg C
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF:	TRANSPORT CO	OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Oth

03975 Bags

CHAIN OF CUSTODY

JBS&G

PROJECT NO.: 51189	LABORATORY BATCH NO.:
PROJECT NAME:	SAMPLERS:
SEND REPORT TO: SEND INVOICE TO:	PHONE: SYDNEY 02 8245 0300 – PERTH 08 9488 0100 EMAIL:
DATE NEEDED BY:	QC LEVEL: NEPM (2013)
COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:	479523

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH		NOTES:
BH32	Soil					X	
33						X	
34						X	
35						X	
36						X	
37						X	

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE: 131115	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G	TRANSPORT CO.	OF: 1930	COOLER TEMP ..... deg C
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF:	TRANSPORT CO	OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar, B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Oth

Sample Receipt 1 Syd

From: Daniel Denaro <DDenaro@jbsg.com.au>
Sent: Saturday, 14 November 2015 5:00 PM
To: Sample Receipt 1 Syd
Cc: EnviroSampleNSW
Subject: Re: Blacktown Hospital

Hey,

Foreign Materials Bags:
- Please let me know how you go with these on Monday. I will give you a call Monday morning to sort it out.

Sample Jars:
The sample with analysis requested, BH20-D, if there is another sample for that hole (BH20-C) on analysis, please analyse this instead. I just need one sample per borehole location.

Asbestos Bags:
Bags: 8, 9, 14, 15 should be on one of the asbestos COCs, perhaps the Roads one? If not, please analyse these for Pres/Abs

The bag on the right (more muddy) is BH22.

Please analyse the two bags pictured as BH33-V and BH35-V.

Good call on labelling as per the COC.

Daniel Denaro | Environmental Consultant| JBS&G
Sydney | Melbourne | Adelaide | Perth | Brisbane
Level 1, 50 Margaret Street Sydney NSW 2000
T: 02 8245 0300 | M: 0468 425 321 | www.jbsg.com.au
Contaminated Land | Groundwater Remediation | Auditing and Compliance | Assessments and Approvals | Occupational Hygiene and Monitoring

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From: Sample Receipt 1 Syd <sample_syd_1@eurofins.com.au>
Sent: Saturday, 14 November 2015 2:02 PM
To: Daniel Denaro
Cc: EnviroSampleNSW
Subject: FW: Blacktown Hospital

JW # 479519
479522
479523

Hi Daniel,
Just labelled the foreign material bags and there were extra samples placed on hold:
BH23-S
E
E1
E2
There are 2 bags that I can't locate the ID and one ID that is unclear, also missing 3 samples BH06, BH09 & BH22 hopefully Sue can have a better look on Monday & will let you know.
Many thanks

Ellen

Sample Receipt 1 Syd
Phone : +61 2 9900 8400
Email : sample_syd_1@eurofins.com.au

TAT Statistics removed to draw attention to our 2015 Client Survey
Win a $200 Coles/Myer voucher by completing our 5 minute client survey! - Click here to participate

---

From: Sample Receipt 1 Syd
Sent: Saturday, 14 November 2015 12:51 PM
To: Daniel Denaro
Cc: EnviroSampleNSW
Subject: Blacktown Hospital

Hi Daniel,
Upon sorting Blacktown Hospital project:
Sample jars not received thus cancelled:
BH19-C on hold
BH20-D analysis requested

There was no analysis against BH23-D would this be R17?

Extra bags received:
BH08, BH09, BH14 & BH15 currently on hold, they had been scratched from the COC.

Two sample received BH21 and no BH22 can you distinguish the two pictured?

Missing BH33-V & BH35-V but have the below:

Lastly all samples upon the COC from BH23-BH36 bags are labelled as BH23-S -BH36-S is the COC correct or the bag ID correct? As pictured they are labelled as per COC ID.

Thanks
Ellen

Sample Receipt 1 Syd

Eurofins | mgt
Unit F3, Parkview Building
16 Mars Road
LANE COVE WEST NSW 2066
AUSTRALIA
Phone : +61 2 9900 8400
Fax : +61 2 9420 2977

Email : sample_syd_1@eurofins.com.au
Website : environment.eurofins.com.au

Certificate of Analysis

NATA Accredited
Accreditation Number 1261
Site Number 18217

Accredited for compliance with ISO/IEC 17025. The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards.

JBS & G Australia (NSW & WA) P/L
Level 1, 50 Margaret St
Sydney
NSW 2000

Attention:	Daniel Denaro
Report	479523-AID
Project Name	BLACKTOWN HOSPITAL
Project ID	51189
Received Date	Nov 13, 2015
Date Reported	Nov 17, 2015

Methodology:

Asbestos ID	Conducted in accordance with the Australian Standard AS 4964 – 2004: Method for the Qualitative Identification of Asbestos in Bulk Samples and in-house Method LTM-ASB-8020 by polarised light microscopy (PLM) and dispersion staining (DS) techniques. Bulk samples include building materials, soils and ores.
Subsampling Soil Samples	The whole sample submitted is first dried and then sieved through a 10mm sieve followed by a 2mm sieve. All fibrous matter viz greater than 10mm, greater than 2mm as well as the material passing through the 2mm sieve are retained and analysed for the presence of asbestos. If the sub 2mm fraction is greater than approximately 30 to 60g then a sub-sampling routine based on ISO 3082:2009(E) Iron ores - Sampling and Sample preparation procedures is employed. Depending on the nature and size of the soil sample, the sub-2 mm residue material may need to be sub-sampled for trace analysis in accordance with AS 4964-2004.
Bonded asbestos-containing material (ACM)	The material is first examined and any fibres isolated and where required interfering organic fibres or matter may be removed by treating the sample for several hours at a temperature not exceeding 400 ± 30°C. The resultant material is then ground and examined in accordance with AS 4964-2004.
Limit of Reporting	The nominal detection limit of the AS4964 method is around 0.01%. The examination of large sample sizes (at least 500 ml is recommended) may improve the likelihood of identifying asbestos material in the greater than 2 mm fraction. The NEPM screening level of 0.001% w/w asbestos in soil for FA and AF (i.e. non-bonded/friable asbestos) only applies where the FA and AF are able to be quantified by gravimetric procedures. This screening level is not applicable to free fibres. NOTE: NATA News, September 2011 – page 34, states, “Weighing of fibres is problematic and can lead to loss of fibres and potential exposure for laboratory analysts. To request laboratories to report information which is outside the scope of AS 4964-2004 and the scope of their accreditation is misleading and is most unwise” therefore such values reported are outside the scope of Eurofins | mgt NATA accreditation as designated by an asterisk.

Project Name BLACKTOWN HOSPITAL
Project ID 51189
Date Sampled Nov 13, 2015
Report 479523-AID

Client Sample ID	Eurofins | mgt Sample No.	Date Sampled	Sample Description	Result
BH01	15-No10995	Nov 13, 2015	Approximate Sample 702g Sample consisted of: Brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.
BH02	15-No10996	Nov 13, 2015	Approximate Sample 764g Sample consisted of: Brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.
BH03	15-No10997	Nov 13, 2015	Approximate Sample 718g Sample consisted of: Brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.
BH04	15-No10998	Nov 13, 2015	Approximate Sample 555g Sample consisted of: Pinkish-brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.
BH05	15-No10999	Nov 13, 2015	Approximate Sample 712g Sample consisted of: Brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.
BH06	15-No11000	Nov 13, 2015	Approximate Sample 822g Sample consisted of: Brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.
BH07	15-No11001	Nov 13, 2015	Approximate Sample 751g Sample consisted of: Brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.
BH10	15-No11002	Nov 13, 2015	Approximate Sample 692g Sample consisted of: Brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.
BH11	15-No11003	Nov 13, 2015	Approximate Sample 679g Sample consisted of: Brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.
BH12	15-No11004	Nov 13, 2015	Approximate Sample 412g Sample consisted of: Brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.

Client Sample ID	Eurofins | mgt Sample No.	Date Sampled	Sample Description	Result
BH13	15-No11005	Nov 13, 2015	Approximate Sample 760g Sample consisted of: Brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.
BH16	15-No11006	Nov 13, 2015	Approximate Sample 437g Sample consisted of: Brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.
BH17	15-No11007	Nov 13, 2015	Approximate Sample 747g Sample consisted of: Brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.
BH18	15-No11008	Nov 13, 2015	Approximate Sample 591g Sample consisted of: Brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.
BH19	15-No11009	Nov 13, 2015	Approximate Sample 661g Sample consisted of: Brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.
BH20	15-No11010	Nov 13, 2015	Approximate Sample 535g Sample consisted of: Brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.
BH21	15-No11011	Nov 13, 2015	Approximate Sample 780g Sample consisted of: Grey-brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.
BH22	15-No11012	Nov 13, 2015	Approximate Sample 751g Sample consisted of: Brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.
QA01	15-No11013	Nov 13, 2015	Approximate Sample 76g Sample consisted of: Brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.
QA02	15-No11014	Nov 13, 2015	Approximate Sample 59g Sample consisted of: Brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.
QA03	15-No11015	Nov 13, 2015	Approximate Sample 88g Sample consisted of: Brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.
BH37-V	15-No11016	Nov 13, 2015	Approximate Sample 110g Sample consisted of: Brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.
BH01-N	15-No11017	Nov 13, 2015	Approximate Sample 94g Sample consisted of: Red-brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.

Client Sample ID	Eurofins | mgt Sample No.	Date Sampled	Sample Description	Result
BH02-N	15-No11018	Nov 13, 2015	Approximate Sample 102g Sample consisted of: Brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.
BH04-N	15-No11019	Nov 13, 2015	Approximate Sample 150g Sample consisted of: Red-brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.
BH06-N	15-No11020	Nov 13, 2015	Approximate Sample 592g Sample consisted of: Pale brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.
BH13-V	15-No11021	Nov 13, 2015	Approximate Sample 191g Sample consisted of: Pinkish-brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.
BH17-V	15-No11022	Nov 13, 2015	Approximate Sample 509g Sample consisted of: Pinkish-brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.
BH24-V	15-No11023	Nov 13, 2015	Approximate Sample 165g Sample consisted of: Pale brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.
BH26-V	15-No11024	Nov 13, 2015	Approximate Sample 115g Sample consisted of: Pale brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.
BH28-V	15-No11025	Nov 13, 2015	Approximate Sample 94g Sample consisted of: Red-brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.
BH33-V	15-No11026	Nov 13, 2015	Approximate Sample 123g Sample consisted of: Brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.
BH35-V	15-No11027	Nov 13, 2015	Approximate Sample 120g Sample consisted of: Pale brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.
BH23	15-No11028	Nov 13, 2015	Approximate Sample 82g Sample consisted of: Brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.
BH24	15-No11029	Nov 13, 2015	Approximate Sample 148g Sample consisted of: Brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.
BH25	15-No11030	Nov 13, 2015	Approximate Sample 197g Sample consisted of: Grey-brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.

Client Sample ID	Eurofins | mgt Sample No.	Date Sampled	Sample Description	Result
BH26	15-No11031	Nov 13, 2015	Approximate Sample 178g Sample consisted of: Grey-brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.
BH27	15-No11032	Nov 13, 2015	Approximate Sample 138g Sample consisted of: Grey-brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.
BH28	15-No11033	Nov 13, 2015	Approximate Sample 155g Sample consisted of: Grey-brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.
BH29	15-No11034	Nov 13, 2015	Approximate Sample 182g Sample consisted of: Grey-brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.
BH30	15-No11035	Nov 13, 2015	Approximate Sample 199g Sample consisted of: Grey-brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.
BH31	15-No11036	Nov 13, 2015	Approximate Sample 77g Sample consisted of: Red-brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.
BH32	15-No11037	Nov 13, 2015	Approximate Sample 98g Sample consisted of: Brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.
BH33	15-No11038	Nov 13, 2015	Approximate Sample 104g Sample consisted of: Brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.
BH34	15-No11039	Nov 13, 2015	Approximate Sample 98g Sample consisted of: Brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.
BH35	15-No11040	Nov 13, 2015	Approximate Sample 94g Sample consisted of: Pinkish-brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.
BH36	15-No11041	Nov 13, 2015	Approximate Sample 94g Sample consisted of: Pale brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.
BH37	15-No11042	Nov 13, 2015	Approximate Sample 139g Sample consisted of: Brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.
BH08	15-No11092	Nov 13, 2015	Approximate Sample 454g Sample consisted of: Brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.

Client Sample ID	Eurofins | mgt Sample No.	Date Sampled	Sample Description	Result
BH09	15-No11093	Nov 13, 2015	Approximate Sample 643g Sample consisted of: Brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.
BH14	15-No11094	Nov 13, 2015	Approximate Sample 619g Sample consisted of: Brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.
BH15	15-No11095	Nov 13, 2015	Approximate Sample 485g Sample consisted of: Brown fine grain soil and rocks	No asbestos detected. Organic fibre detected. No respirable fibres detected.

Sample History

Where samples are submitted/analysed over several days, the last date of extraction and analysis is reported.
A recent review of our LIMS has resulted in the correction or clarification of some method identifications. Due to this, some of the method reference information on reports has changed. However, no substantive change has been made to our laboratory methods, and as such there is no change in the validity of current or previous results (regarding both quality and NATA accreditation).

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description	Testing Site	Extracted	Holding Time
Asbestos - LTM-ASB-8020	Sydney	Nov 16, 2015	Indefinite

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Site # 1254 & 14271

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Phone : +61 2 9900 8400
NATA # 1261 Site # 18217

Brisbane
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Murarrie QLD 4172
Phone : +61 7 3902 4600
NATA # 1261 Site # 20794

Company Name: JBS & G Australia (NSW & WA) P/L
Address: Level 1, 50 Margaret St
Sydney
NSW 2000

Project Name: BLACKTOWN HOSPITAL
Project ID: 51189

Order No.:
Report #: 479523
Phone: 02 8245 0300
Fax:

Received: Nov 13, 2015 7:30 PM
Due: Nov 17, 2015
Priority: 3 Day
Contact Name: Daniel Denaro

Eurofins | mgt Client Manager: Charl Du Preez

Sample Detail					Asbestos Absence /Presence
Laboratory where analysis is conducted					
Melbourne Laboratory - NATA Site # 1254 & 14271					
Sydney Laboratory - NATA Site # 18217					X
Brisbane Laboratory - NATA Site # 20794					
External Laboratory					
Sample ID	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**	
BH01	Nov 13, 2015		Soil	S15-No10995	X
BH02	Nov 13, 2015		Soil	S15-No10996	X
BH03	Nov 13, 2015		Soil	S15-No10997	X
BH04	Nov 13, 2015		Soil	S15-No10998	X
BH05	Nov 13, 2015		Soil	S15-No10999	X
BH06	Nov 13, 2015		Soil	S15-No11000	X
BH07	Nov 13, 2015		Soil	S15-No11001	X
BH10	Nov 13, 2015		Soil	S15-No11002	X
BH11	Nov 13, 2015		Soil	S15-No11003	X

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Melbourne Laboratory - NATA Site # 1254 & 14271					
Sydney Laboratory - NATA Site # 18217					X
Brisbane Laboratory - NATA Site # 20794					
External Laboratory					
BH12	Nov 13, 2015		Soil	S15-No11004	X
BH13	Nov 13, 2015		Soil	S15-No11005	X
BH16	Nov 13, 2015		Soil	S15-No11006	X
BH17	Nov 13, 2015		Soil	S15-No11007	X
BH18	Nov 13, 2015		Soil	S15-No11008	X
BH19	Nov 13, 2015		Soil	S15-No11009	X
BH20	Nov 13, 2015		Soil	S15-No11010	X
BH21	Nov 13, 2015		Soil	S15-No11011	X
BH22	Nov 13, 2015		Soil	S15-No11012	X
QA01	Nov 13, 2015		Soil	S15-No11013	X

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Laboratory where analysis is conducted					
Melbourne Laboratory - NATA Site # 1254 & 14271					
Sydney Laboratory - NATA Site # 18217					X
Brisbane Laboratory - NATA Site # 20794					
External Laboratory					
QA02	Nov 13, 2015		Soil	S15-No11014	X
QA03	Nov 13, 2015		Soil	S15-No11015	X
BH37-V	Nov 13, 2015		Soil	S15-No11016	X
BH01-N	Nov 13, 2015		Soil	S15-No11017	X
BH02-N	Nov 13, 2015		Soil	S15-No11018	X
BH04-N	Nov 13, 2015		Soil	S15-No11019	X
BH06-N	Nov 13, 2015		Soil	S15-No11020	X
BH13-V	Nov 13, 2015		Soil	S15-No11021	X
BH17-V	Nov 13, 2015		Soil	S15-No11022	X
BH24-V	Nov 13, 2015		Soil	S15-No11023	X

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Sample Detail					Asbestos Absence /Presence
Laboratory where analysis is conducted					
Melbourne Laboratory - NATA Site # 1254 & 14271					
Sydney Laboratory - NATA Site # 18217					X
Brisbane Laboratory - NATA Site # 20794					
External Laboratory					
BH26-V	Nov 13, 2015		Soil	S15-No11024	X
BH28-V	Nov 13, 2015		Soil	S15-No11025	X
BH33-V	Nov 13, 2015		Soil	S15-No11026	X
BH35-V	Nov 13, 2015		Soil	S15-No11027	X
BH23	Nov 13, 2015		Soil	S15-No11028	X
BH24	Nov 13, 2015		Soil	S15-No11029	X
BH25	Nov 13, 2015		Soil	S15-No11030	X
BH26	Nov 13, 2015		Soil	S15-No11031	X
BH27	Nov 13, 2015		Soil	S15-No11032	X
BH28	Nov 13, 2015		Soil	S15-No11033	X

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Sydney Laboratory - NATA Site # 18217					X
Brisbane Laboratory - NATA Site # 20794					
External Laboratory					
BH29	Nov 13, 2015		Soil	S15-No11034	X
BH30	Nov 13, 2015		Soil	S15-No11035	X
BH31	Nov 13, 2015		Soil	S15-No11036	X
BH32	Nov 13, 2015		Soil	S15-No11037	X
BH33	Nov 13, 2015		Soil	S15-No11038	X
BH34	Nov 13, 2015		Soil	S15-No11039	X
BH35	Nov 13, 2015		Soil	S15-No11040	X
BH36	Nov 13, 2015		Soil	S15-No11041	X
BH37	Nov 13, 2015		Soil	S15-No11042	X
BH08	Nov 13, 2015		Soil	S15-No11092	X

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Sample Detail					Asbestos Absence /Presence
Laboratory where analysis is conducted					
Melbourne Laboratory - NATA Site # 1254 & 14271					
Sydney Laboratory - NATA Site # 18217					X
Brisbane Laboratory - NATA Site # 20794					
External Laboratory					
BH09	Nov 13, 2015		Soil	S15-No11093	X
BH14	Nov 13, 2015		Soil	S15-No11094	X
BH15	Nov 13, 2015		Soil	S15-No11095	X

Internal Quality Control Review and Glossary

General

1. QC data may be available on request.
2. All soil results are reported on a dry basis, unless otherwise stated.
3. Samples were analysed on an 'as received' basis.
4. This report replaces any interim results previously issued.

Holding Times

Please refer to 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours prior to sample receipt deadlines as stated on the Sample Receipt Advice.

If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

Units

% w/w: weight for weight basis	grams per kilogram
Filter loading:	fibres/100 graticule areas
Reported Concentration:	fibres/mL
Flowrate:	L/min

Terms

Dry	Where a moisture has been determined on a solid sample the result is expressed on a dry basis.
LOR	Limit of Reporting.
COC	Chain of custody
SRA	Sample Receipt Advice
ISO	International Stardards Organisation
AS	Australian Standards
WA DOH	Western Australia Department of Health
NOHSC	National Occupational Health and Safety Commission
ACM	Bonded asbestos-containing material means any material containing more than 1% asbestos and comprises asbestos-containing-material which is in sound condition, although possibly broken or fragmented, and where the asbestos is bound in a matrix such as cement or resin. Common examples of ACM include but are not limited to: pipe and boiler insulation, sprayed-on fireproofing, troweled-on acoustical plaster, floor tile and mastic, floor linoleum, transite shingles, roofing materials, wall and ceiling plaster, ceiling tiles, and gasket materials. This term is restricted to material that cannot pass a 7 mm x 7 mm sieve. This sieve size is selected because it approximates the thickness of common asbestos cement sheeting and for fragments to be smaller than this would imply a high degree of damage and hence potential for fibre release.
FA	FA comprises friable asbestos material and includes severely weathered cement sheet, insulation products and woven asbestos material. This type of friable asbestos is defined here as asbestos material that is in a degraded condition such that it can be broken or crumbled by hand pressure. This material is typically unbonded or was previously bonded and is now significantly degraded (crumbling).
PACM	Presumed Asbestos-Containing Material means thermal system insulation and surfacing material found in buildings, vessels, and vessel sections constructed no later than 1980 that are assumed to contain greater than one percent asbestos but have not been sampled or analyzed to verify or negate the presence of asbestos.
AF	Asbestos fines (AF) are defined as free fibres, or fibre bundles, smaller than 7mm. It is the free fibres which present the greatest risk to human health, although very small fibres (< 5 microns in length) are not considered to be such a risk. AF also includes small fragments of bonded ACM that pass through a 7 mm x 7 mm sieve. (Note that for bonded ACM fragments to pass through a 7 mm x 7 mm sieve implies a substatntial degree of damage which increases the potential for fibre release.)
AC	Asbestos cement means a mixture of cement and asbestos fibres (typically 90:10 ratios).

Comments

No10996-No10997, No11000 - No11003, No11005 - No11008, No11011, No11092 - No11095; The samples received were deemed to be too large for AS4964, i.e. more than about 100 g. It was therefore necessary to reduce their size to that which could be thoroughly examined. Valid sub-sampling procedures were applied so as to ensure that the sub-samples to be analysed accurately represented the samples received.

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Qualifier Codes/Comments

Code	Description
N/A	Not applicable

Authorised by:

Nibha Vaidya Senior Analyst-Asbestos (NSW)

Glenn Jackson
National Operations Manager

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Uncertainty data is available on request

Appendix I QA/QC

QAQC Results - Soil
Project: DSI - Blacktown Hospital Stage 2 Redevelopment
Project Number: 51850

SDG	479519	Interlab_D		479521	Interlab_D	
Field ID	BH01-D	QC01	**RPD**	BH14-D	QC02	**RPD**
Sampled Date/Time	13/11/2015	13/11/2015		13/11/2015	13/11/2015	

Chem_Group	ChemName	Units	EQL						
Metals & Metalloids	Arsenic (Total)	mg/kg	2 (Primary): 4 (Interlab)	2.2	<4.0	0	2.4	<4.0	0
	Cadmium	mg/kg	0.4	<0.4	<0.4	0	<0.4	<0.4	0
	Chromium (Total)	mg/kg	5 (Primary): 1 (Interlab)	8.7	14.0	47	23.0	16.0	36
	Copper	mg/kg	5 (Primary): 1 (Interlab)	43.0	32.0	29	33.0	30.0	10
	Lead	mg/kg	5 (Primary): 1 (Interlab)	5.2	22.0	124	19.0	24.0	23
	Mercury (Inorganic)	mg/kg	0.05 (Primary): 0.1 (Interlab)	<0.05	<0.1	0	<0.05	<0.1	0
	Nickel	mg/kg	5 (Primary): 1 (Interlab)	30.0	10.0	100	16.0	14.0	13
	Zinc	mg/kg	5 (Primary): 1 (Interlab)	27.0	50.0	60	48.0	46.0	4
TPHs (NEPC 1999)	C6-C9 Fraction	mg/kg	20 (Primary): 25 (Interlab)	<20.0	<25.0	0	<20.0	<25.0	0
	C10-C14 Fraction	mg/kg	20 (Primary): 50 (Interlab)	<20.0	<50.0	0	<20.0	<50.0	0
	C15-C28 Fraction	mg/kg	50 (Primary): 100 (Interlab)	<50.0	<100.0	0	<50.0	<100.0	0
	C29-C36 Fraction	mg/kg	50 (Primary): 100 (Interlab)	<50.0	230.0	129	200.0	200.0	0
TRHs (NEPC 2013)	>C10-C16 Fraction	mg/kg	50	<50.0	<50.0	0	<50.0	<50.0	0
	>C16-C34 Fraction	mg/kg	100	<100.0	200.0	67	130.0	150.0	14
	>C34-C40 Fraction	mg/kg	100	<100.0	260.0	89	260.0	260.0	0
	C6-C10 Fraction	mg/kg	20 (Primary): 25 (Interlab)	<20.0	<25.0	0	<20.0	<25.0	0
	C6 - C10 less BTEX (F1)	mg/kg	20 (Primary): 25 (Interlab)	<20.0	<25.0	0	<20.0	<25.0	0
	>C10 - C16 less Naphthalene (F2)	mg/kg	50	<50.0	<50.0	0	<50.0	<50.0	0
BTEX	Benzene	mg/kg	0.1 (Primary): 0.2 (Interlab)	<0.1	<0.2	0	<0.1	<0.2	0
	Ethylbenzene	mg/kg	0.1 (Primary): 1 (Interlab)	<0.1	<1.0	0	<0.1	<1.0	0
	Toluene	mg/kg	0.1 (Primary): 0.5 (Interlab)	<0.1	<0.5	0	<0.1	<0.5	0
	Xylene (m & p)	mg/kg	0.2 (Primary): 2 (Interlab)	<0.2	<2.0	0	<0.2	<2.0	0
	Xylene (o)	mg/kg	0.1 (Primary): 1 (Interlab)	<0.1	<1.0	0	<0.1	<1.0	0
Polycyclic Aromatic Hydrocarbons	Acenaphthene	mg/kg	0.5 (Primary): 0.1 (Interlab)	<0.5	<0.1	0	<0.5	<0.1	0
	Acenaphthylene	mg/kg	0.5 (Primary): 0.1 (Interlab)	<0.5	<0.1	0	<0.5	<0.1	0
	Anthracene	mg/kg	0.5 (Primary): 0.1 (Interlab)	<0.5	<0.1	0	<0.5	0.2	0
	Benz(a)anthracene	mg/kg	0.5 (Primary): 0.1 (Interlab)	<0.5	0.2	0	<0.5	0.5	0
	Benzo(a)pyrene	mg/kg	0.5 (Primary): 0.05 (Interlab)	<0.5	0.2	0	<0.5	0.4	0
	Benzo(a)pyrene TEQ (lower bound)*	mg/kg	0.5	<0.5	<0.5	0	<0.5	0.6	18
	Benzo(a)pyrene TEQ (medium bound)*	mg/kg	0.5	0.6	<0.5	18	0.6	0.6	0
	Benzo(a)pyrene TEQ (upper bound)*	mg/kg	0.5	1.2	<0.5	82	1.2	0.7	53
	Benzo(g,h,i)perylene	mg/kg	0.5 (Primary): 0.1 (Interlab)	<0.5	0.1	0	<0.5	0.2	0
	Chrysene	mg/kg	0.5 (Primary): 0.1 (Interlab)	<0.5	0.3	0	<0.5	0.5	0
	Dibenz(a,h)anthracene	mg/kg	0.5 (Primary): 0.1 (Interlab)	<0.5	<0.1	0	<0.5	<0.1	0
	Fluoranthene	mg/kg	0.5 (Primary): 0.1 (Interlab)	<0.5	0.6	18	1.2	1.0	18
	Fluorene	mg/kg	0.5 (Primary): 0.1 (Interlab)	<0.5	<0.1	0	<0.5	<0.1	0
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.5 (Primary): 0.1 (Interlab)	<0.5	0.1	0	<0.5	0.2	0
	Naphthalene	mg/kg	0.5 (Primary): 1 (Interlab)	<0.5	<0.1	0	<0.5	<0.1	0
	Naphthalene	mg/kg	0.5 (Primary): 1 (Interlab)	<0.5	<0.1	0	<0.5	<0.1	0
	Phenanthrene	mg/kg	0.5 (Primary): 0.1 (Interlab)	<0.5	0.3	0	0.8	0.7	13
	Pyrene	mg/kg	0.5 (Primary): 0.1 (Interlab)	<0.5	0.6	18	1.1	1.0	10

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