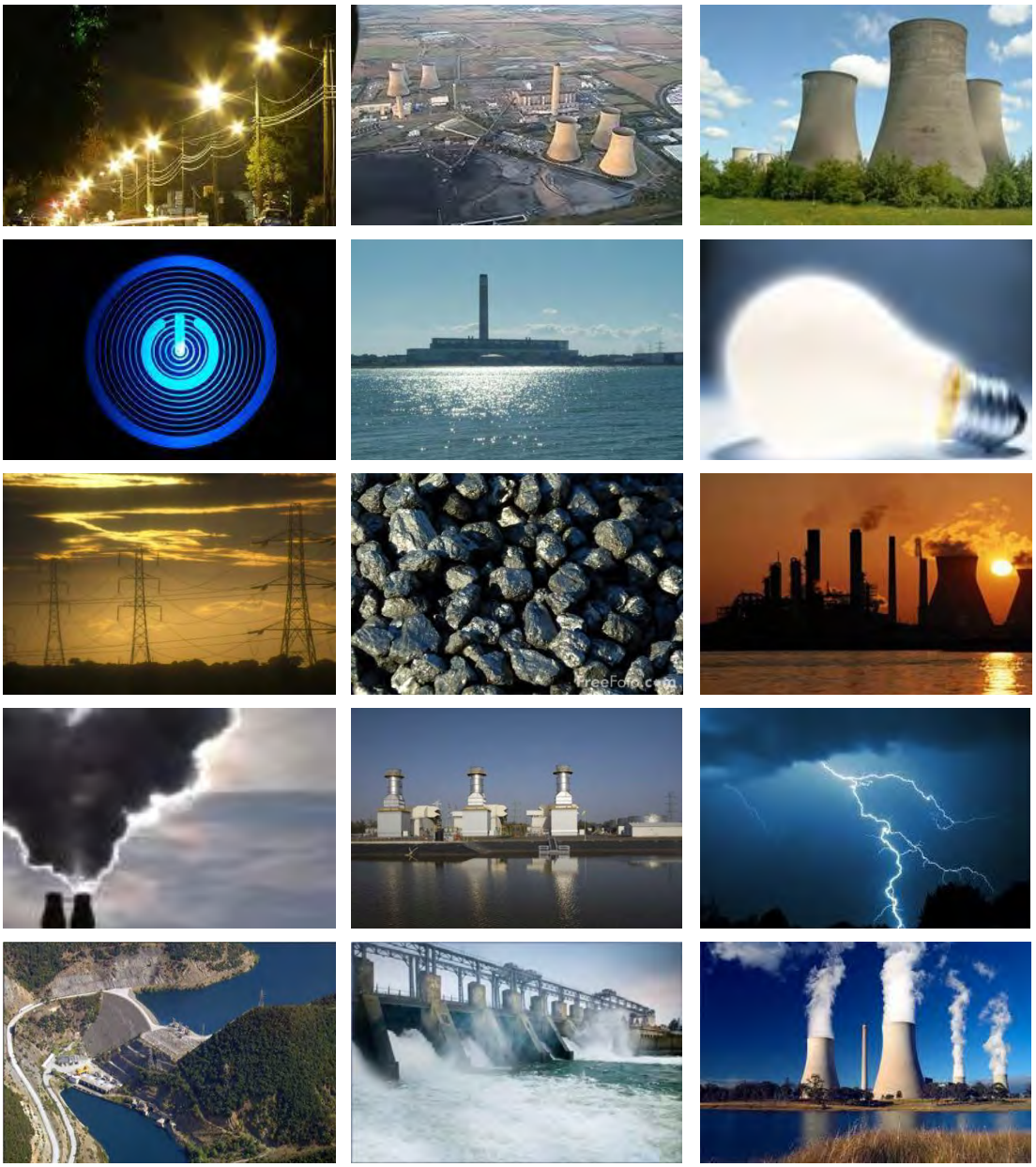
Macquarie Generation



COMMERCIAL IN CONFIDENCE

Macquarie Generation – Project Symphony

Liddell Power Station

Preliminary Environmental Site Assessment

Ref: 0213879RP02_DRAFT Rev02

October 2013

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COMMERCIAL IN CONFIDENCE

Liddell Power Station

Preliminary Environmental Site Assessment

Macquarie Generation - Project Symphony

October 2013

Approved by:	Joseph Ferring
Position:	*Project Manager*
Signed:	*DRAFT*
Date:	18 October, 2013
Approved by:	Matthew Klein
Position:	*Managing Partner – Asia Pacific Transaction Services*
Signed:	*DRAFT*
Date:	18 October, 2013

Environmental Resources Management Australia Pty Ltd Quality System

0213879RP02 DRAFT Rev02

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Annex D

Results of Background Searches

List of NSW Contaminated Sites Notified to EPA as of 2 August 2013

Background

In response to 2008 amendments to the *Contaminated Land Management Act 1997* (CLM Act) clarifying the Section 60 duty to report contaminated sites, the Environment Protection Authority (EPA) has received 1,054 notifications (as of 2 August 2013) from owners or occupiers of sites where they believe the sites are contaminated.

A strategy to systematically assess, prioritise and respond to these notifications has been developed by the EPA. This strategy acknowledges the EPA's obligations to make information available to the public under *Government Information (Public Access) Act 2009*.

When a site is notified to the EPA, it may be accompanied by detailed site reports where the owner has been proactive in addressing the contamination and its source. However, often there is minimal information on the nature or extent of the contamination.

For some notifications, the information indicates the contamination is securely immobilised within the site, such as under a building or carpark, and is not currently causing any offsite consequences to the community or environment. Such sites would still need to be cleaned up, but this could be done in conjunction with any subsequent building or redevelopment of the land. These sites may not require intervention under the CLM Act, but could be dealt with through the planning and development consent process.

Where indications are that the nominated site is causing actual harm to the environment or an unacceptable offsite impact (i.e. it is a "significantly contaminated site"), the EPA would apply the regulatory provisions of the CLM Act to have the responsible polluter and/or landowner investigate and remediate the site.

As such, the sites notified to the EPA and presented in the following table are at various stages of the assessment and/or remediation process. Understanding the nature of the underlying contamination, its implications and implementing a remediation program where required, can take a considerable period of time. The tables provide an indication, in relation to each nominated site, as to the management status of that particular site. Further detailed information may be available from the EPA or the responsible landowner.

The following questions and answers may assist those interested in this issue:

Frequently asked questions

What is the difference between the "List of NSW Contaminated Sites Notified to the EPA" and the "Contaminated Land: Record of Notices"?

A site will be on the Contaminated Land: Record of Notices only if the EPA has issued a regulatory notice in relation to the site under the *Contaminated Land Management Act 1997*.

The sites appearing on this "List of NSW contaminated sites notified to the EPA" indicate that the notifiers consider that the sites are contaminated and warrant reporting to the EPA. However, the contamination may or may not be significant enough to warrant regulation by the EPH. The EPA needs to review and, if necessary, obtain more information before it can make a determination as to whether the site warrants regulation.

Why my site appears on the list?

Your site appears on the list because of one or more of the following reasons:

- The site owner and/or the person partly or fully responsible for causing the contamination notified to the EPA about the contamination under Section 60 of the *Contaminated Land Management Act 1997*. In other words, the site owner or the "polluter" believes the site is contaminated.
- The EPA has been notified via other means and is satisfied that the site is or was contaminated.

Does the list contain all contaminated sites in NSW?

No. The list only contains contaminated sites that the EPA is aware of, with regard to its regulatory role under the CLM Act. An absence of a site from the list does not necessarily imply the site is not contaminated.

The EPA relies upon responsible parties to notify contaminated sites.

How are these notified contaminated sites managed by the EPA?

There are different ways that the EPA manages these notified contaminated sites. First, an initial assessment is carried out by the EPA. At the completion of the initial assessment, the EPA may take one or more than one of the following management approaches:

- The contamination warrants the EPA's direct regulatory intervention either under the *Contaminated Land Management Act 1997* or the *Protection of the Environment Operations Act 1997* (POEO Act), or both. Information about current or past regulatory action on this site can be found on the the Office of Environment and Heritage (OEH) website.
- The contamination with respect to the current use or approved use of the site, as defined under the *Contaminated Land Management Act 1997,* is not significant enough that it warrants EPA regulation.
- The contamination does not require EPA regulation and can be managed by a planning approval process.
- The contamination is related to an operational Underground Petroleum Storage System, such as a service station or fuel depot. The contamination may be managed under the POEO Act and the Protection of the Environment Operation (Underground Petroleum Storage Systems) Regulation 2008.
- The contamination is being managed under a specifically tailored program operated by another agency (for example the Department of Industry and Investment's *Derelict Mines Program*).

I am the owner of a site that appears on the list. What should I do?

First of all, you should ensure the current use of the site is compatible with the site contamination. Secondly, if the site is the subject of EPA regulation, make sure you

comply with the regulatory requirements, and you have considered your obligations to notify other parties who may be affected.

If you have any concerns, contact us and we may be able to offer you general advice, or direct you to accredited professionals who can assist with specific issues.

I am a prospective buyer of a site that appears on the list. What should I do?

You should seek advice from the vendor to put the contamination issue into perspective. You may need to seek independent expert advice.

The information provided in the list, particularly the EPA Site Management Class, is meant to be indicative only, and a starting point for your own assessment. Site contamination as a legacy of past site uses is not uncommon, particularly in an urbanised environment. If the contamination on a site is properly remediated or managed, it may not materially impact upon the intended future use of the site. However, each site needs to be considered in context.

List of NSW Contaminated Sites Notified to the EPA

Disclaimer

The EPA has taken all reasonable care to ensure that the information in the list of contaminated sites notified to the EPA (the list) is complete and correct. The EPA does not, however, warrant or represent that the list is free from errors or omissions or that it is exhaustive.

The EPA may, without notice, change any or all of the information in the list at any time.

You should obtain independent advice before you make any decision based on the information in the list.

The list is made available on the understanding that the EPA, its servants and agents, to the extent permitted by law, accept no responsibility for any damage, cost, loss or expense incurred by you as a result of:

1. any information in the list; or
2. any error, omission or misrepresentation in the list; or
3. any malfunction or failure to function of the list;
4. without limiting (2) or (3) above, any delay, failure or error in recording, displaying or updating information.

THE EPA Site Management Class	Explanation
A	The contamination of this site is being assessed by the EPA. Sites which have yet to be determined as significant enough to warrant regulation may result in no further regulation under the *Contaminated Land Management Act 1997*.
B	The EPA is awaiting further information to progress its initial assessment of this site.
C	The contamination of this site is or was regulated under the *Contaminated Land Management Act 1997*. Information about current or past regulatory action on this site can be found on the EPA website (www.epa.nsw.gov.au) - Environmental Issues - Contaminated Land - Record of EPA notices.
D	The contamination of this site is or was regulated under the *Protection of the Environment Operations Act 1997*. Information about current or past regulatory action on this site can be found on the EPA website (www.epa.nsw.gov.au) - Environmental Issues - Environment Protection Licences - POEO public register.
E	This is a premises with an operational Underground Petroleum Storage System, such as a service station or fuel depot. The contamination of this site is managed under the *Protection of the Environment Operations Act 1997* and the Protection of the Environment Operations (Underground Petroleum Storage Systems) Regulation 2008.
F	The contamination of this site is managed by a planning approval process. The consent authority is either the local council or a government agency, such as the Department of Planning.
G	Based on the information made available to the EPA to date, the contamination of this site is considered by the EPA to be not significant enough to warrant regulatory intervention under the *Contaminated Land Management Act 1997*
H	Initial assessment completed. The contamination of this site is to be regulated by the EPA

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Aberdeen	Former Transport Depot	87-89 St Andrew Street	Other Industry	Yes	Completed	G
Abbotsford	Former Gasworks	43 St Albans Street	Gasworks	Yes	Completed	C
Abbotsford	Former Gasworks	80-81 Wymston Pde and 35 and 41 St Albans St	Gasworks	No	Completed	G
Abbotsford	Former Gasworks	82, 83, 84 Wymston Pde, & 37, 39, 43, 45 St Albans	Gasworks	Yes	Completed	C
Abbotsford	Former Gasworks	83 Wymston Parade	Gasworks	Yes	Completed	C
Abbotsford	Former Gasworks	85 Wymston Parade	Gasworks	No	Completed	G
Albion Park	Caltex Service Station	222 Tongarra Rd	Service Station	Yes	In progress	B
Albion Park Rail	Caltex Service Station	172-174 Princes Highway	Service Station	Yes	In progress	B
Albion Park Rail	Caltex Service Station	31 Princes Hwy	Service Station	Yes	In progress	B
Albion Park Rail	Former Timber Storage Area	36 Rivulet Crescent	Other Industry	Yes	Completed	G
Albury	Albury Plaza	Cnr Smollett and Townsend	Other Industry	No	Completed	F G
Albury	Caltex Service Station	79 Union Rd	Service Station	Yes	In progress	B
Albury	Caltex Service Station	842-844 David St	Service Station	Yes	In progress	B
Albury	Caltex Service Station	Dean St Cnr Creek St	Service Station	Yes	In progress	B
Albury	Coles Express Albury	465 Guinea Street	Service Station	Yes	In progress	A
Albury	Former Caltex Service Station	624 Young Street	Service Station	Yes	Completed	C D E
Albury	Former Gasworks and surrounding commercial land.	441 Kiewa Street	Gasworks	Yes	Completed	C F
Albury	Former Thales Australia site	161 Fallon Street	Other Industry	No	In Progress	B
Albury	Mobil Depot	Hangar 8, Ogden Place	Other Petroleum	Yes	In Progress	E
Albury	Mobil Depot, Railway Place Albury	1 Railway Place	Other Petroleum	Yes	In Progress	B
Albury	SRA Land	448 and 452 Young Street	Unclassified	Yes	Completed	G
Albury	SRA Land, 514 to 526 Young Street	514 to 526 Young Street	Other Petroleum	Yes	In Progress	B
Albury	Woolworths Petrol	515 Young Street	Service Station	Yes	In progress	A
Alexandria	Alexandra Canal Sediments		Unclassified	Yes	Completed	C
Alexandria	Alexandria GoGas	562 Botany Road	Service Station	Yes	Completed	E G
Alexandria	Australia Post	10-24 Ralph Street	Other Industry	Yes	Completed	F

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Alexandria	Australian Refined Alloys	202-212 Euston Rd	Metal Industry	yes	Completed	D
Alexandria	Caltex Service Station	133 Wyndham St, cnr McEvoy Street	Service Station	Yes	In progress	B
Alexandria	Former Cadbury Schweppes	49-59 O'Riordan Street	Other Industry	Yes	Completed	C G
Alexandria	Former Mobil Service Station	20 O'Riordan Street	Service Station	Yes	Completed	G
Alexandria	Mascot Developments	494-504 Gardeners Rd	Other Industry	Yes	Completed	G
Alexandria	Perry Park	1B Maddox Street	Landfill	Yes	In progress	A
Alstonville	Caltex Service Station	73 Main St	Service Station	Yes	In progress	B
Ambarvale	Caltex Service Station	37 Woodhouse Drive	Service Station	Yes	In progress	B
Annandale	Mobil Service Station	198 Parramatta Road	Service Station	Yes	Completed	G
Annandale	Shell Coles Express Service Station	124-126 Johnston Street	Service Station	Yes	In Progress	E
Appin	Elladale Creek Aqueduct Upper Canal	Macquariedale Road	Unclassified	Yes	Completed	G
Appin	West Cliff Colliery	Wedderburn Road	Other Petroleum	yes	Completed	G
Ardlethan	Landmark Fertiliser storage	24-26 Ariah St	Chemical Industry	Yes	In progress	A
Armidale	Caltex Service Station	144 Marsh St	Service Station	Yes	In progress	B
Armidale	Caltex Service Station	146 Miller St	Service Station	Yes	In progress	B
Armidale	Caltex Service Station	2-4 Marsh Street	Service Station	Yes	In progress	B
Armidale	Caltex Service Station	New England Highway	Service Station	Yes	In progress	B
Armidale	Caltex Service Station	Queen Elizabeth Drive	Service Station	Yes	In progress	B
Armidale	Former Mobil Depot	132 Niagara Street	Other Petroleum	yes	Completed	C
Armidale	Former Shell Depot	134 Niagara Street	Other Petroleum	Yes	In progress	A
Armidale	Gasworks and portion of Harris Park	Corner of Beardy Street and Allingham Street	Gasworks	Yes	Completed	C G
Armidale	Martin Street , Crown Land	Martin Street	Other Industry	No	Completed	C G
Armidale	Martin Street Estate	Martin Street	Other Industry	No	Completed	G
Armidale	Martin Street Estate, Lot 3	Lot 3 Martin Street	Other Industry	No	Completed	G
Armidale	Mobil Armidale Service Station and Former Depot	McLennan Street	Service Station	Yes	In Progress	A
Armidale	Parklands near the former gasworks	Beardy Street and Allingham Street	Gasworks	Yes	Completed	G

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Armidale	RTA land adjoining Martin Street estate	Martin Street	Other Industry	No	Completed	C G
Armidale	Shell Service Station	93 Marsh Street	Service Station	No	Completed	G
Arncliffe	7 Eleven Arncliffe	28 Princes Highway	Service Station	Yes	In progress	A
Artarmon	BP Artarmon	432 Pacific Highway	Service Station	Yes	In Progress	A
Artarmon	Mobil Service Station	477 Pacific Highway	Service Station	Yes	In progress	B
Ashby	Ashby Dry Dock	via Clarence Street	Other Industry	Yes	Completed	C G
Ashfield	Vehicle Workshop	445-449 Liverpool Road	Service Station	Yes	Completed	G
Asquith	BP Service Station	462 Pacific Highway	Service Station	Yes	In Progress	E
Attunga	Attunga Limestone Mine (Waste Oil Site)	Garthowen Road	Other Industry	No	Completed	G
Auburn	DIC Australia	323 Chisholm Road	Other Industry	Yes	In progress	B
Auburn	Former Ajax chemical factory	9 Short Street	Other Industry	Yes	Completed	C
Auburn	Janyon	Manchester Road	Other Industry	Yes	Completed	G
Auburn	RailCorp Auburn	1 Manchester Road	Other Industry	Yes	Completed	G
Awaba	Awaba Colliery	Wilton Road	Other Industry	Yes	In progress	B
Balgowlah	BP Service Station	Cnr Sydney Road and Maretimo Street	Service Station	yes	In Progress	A
Balgowlah	Part of Manly Council Maintenance Depot	8-10 Roseberry Street	Other Petroleum	Yes	Completed	G
Ballina	Ballina Mays Motors	River Street	Other Petroleum	No	Completed	F G
Ballina	Ballina Shell	273 River Street	Service Station	Yes	In progress	B
Ballina	Former Mobil Service Station	37-41 Cherry Street	Service Station	Yes	Completed	F G
Ballina	Woolworths Petrol	44 Pacific Highway cnr Kerr Street	Service Station	yes	In Progress	A
Balranald	Caltex Service Station	Sturt Highway	Service Station	Yes	In progress	B
Banksmeadow	Botany Orica Groundwater Project	16-20 Beauchamp Road	Chemical Industry	No	Completed	C D
Banksmeadow	Caltex Terminal	1-3 Penrhyn Road	Other Petroleum	Yes	Completed	D
Banksmeadow	Discovery Cove, Former Ampol Rail Terminal	1801 Botany Road	Other Petroleum	No	Completed	H
Banksmeadow	Former Pipeline	Corish Circle	Other Petroleum	No	Completed	H

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Banksmeadow	Orica Former Chlor Alkali Plant	Botany Industrial Park	Chemical Industry	No	Completed	C
Banksmeadow	Pacific National Stockpile	Beauchamp Road	Unclassified	Yes	In Progress	B
Bankstown	7 Eleven Service Station	689 Henry Lawson Drive	Service Station	Yes	Completed	G
Banora Point West	Caltex Service Station	2 Leisure Drive	Service Station	Yes	In progress	B
Barmedman	Caltex - Barmedman	Watson Street (Cnr Star St)	Service Station	Yes	In progress	B
Barrack Heights	Caltex Service Station	332-336 Shellharbour Rd	Service Station	Yes	In progress	B
Bateau Bay	Former landfill	The Entrance Road	Landfill	Yes	Completed	C
Batehaven	Caltex Service Station	264 Beach Road	Service Station	Yes	In progress	B
Batehaven	Shell Coles Express Service Station	264 Beach Road	Service Station	Yes	In Progress	E
Batemans Bay	Caltex Service Station	87-89 Princes Hwy	Service Station	Yes	In progress	B
Bathurst	Bathurst - Former Caltex Depot	Cnr Havannah St and Howick St	Other Petroleum	No	In Progress	A
Bathurst	BP Service Station	56-60 Bathurst Road	Service Station	Yes	In progress	A
Bathurst	Caltex Depot	Cnr Bryant & Havannah Sts	Service Station	Yes	In progress	B
Bathurst	Caltex Service Station	53 Durham St	Service Station	Yes	In progress	B
Bathurst	Crago Mill site	Piper Street	Other Industry	Yes	Completed	G
Bathurst	Former Gasworks	71 Russell St	Gasworks	Yes	Completed	C
Bathurst	Former Mobil Depot	1 Lambert Street	Other Petroleum	Yes	In progress	A
Bathurst	Former Mobil Depot	Lower Russell Street	Other Petroleum	yes	Completed	G
Bathurst	Former Police Station	Corner of William and Durham Streets	Other Petroleum	No	Completed	C G
Bathurst	Former Shell Depot	56 Bant Street	Other Petroleum	Yes	In Progress	E
Bathurst	Shell Coles Express Service Station	59 Durham Street	Service Station	Yes	In Progress	B E
Bathurst West	Shell Coles Express Service Station	298 Stewart Street (Cnr Stewart and Rocket Street)	Service Station	Yes	Completed	G
Baulkham Hills	Caltex Service Station	117 Seven Hills Rd	Service Station	Yes	In progress	B
Baulkham Hills	Caltex Service Station	130-132 Seven Hills Rd	Service Station	Yes	In Progress	A
Baulkham Hills	Shell Coles Express Service Station	363 Windsor Road	Service Station	Yes	Completed	E G
Beacon Hill	Caltex Service Station	176 Warringah Rd	Service Station	Yes	In progress	B

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Bega	Bega Gasworks	27 Upper Street	Gasworks	No	In Progress	B
Bega	Caltex Service Station	280 Carp Street	Service Station	Yes	In progress	B
Bega	Caltex Service Station	36-40 Lagoon St	Service Station	Yes	In progress	B
Bega	Former BP Service Station	100 - 102 Gipps Street	Service Station	Yes	In progress	A
Belmont	Belmont Bus Depot	2 Floraville Road	Other Petroleum	yes	In Progress	B
Belmont	Former Ampol Service Station	467-469 Pacific Highway	Service Station	No	Completed	G
Belmont	Shell Coles Express Service Station	502 Pacific Highway	Service Station	Yes	In Progress	B
Belmont North	Caltex Service Station	406 Pacific Hwy	Service Station	Yes	In progress	B
Belmont North	Woolworths Petrol	397 Pacific Highway	Service Station	Yes	In progress	A
Belmore	7 Eleven Service Station	792-794 Canterbury Road	Service Station	Yes	Completed	G
Belmore	SRA Land	348 Burwood Road	Unclassified	Yes	Completed	G
Belrose	Caltex Service Station	157 Forest Way	Service Station	Yes	In progress	B
Belrose	Glenrose Shopping Centre	56-58 Glen Street	Unclassified	Yes	Completed	C
Belrose	Woolworths Petrol	60 Glen Street	Service Station	Yes	In progress	A
Beresfield	BP Beresfield Truckstop	Cnr Kinta and John Renshaw Drives	Service Station	Yes	In progress	A
Beresfiled	Former Koppers Timber Treatment Site	53 Weakleys Drive	Other Industry	Yes	In progress	A
Berkeley Vale	Former Berkeley Vale Service Station	121-123 Lakedge Avenue	Service Station	Yes	Completed	G
Berkshire Park	Shell Coles Express Berkshire Park	746 - 752 Rickmond Road	Service Station	Yes	In progress	A
Berowra	7-Eleven Service Station	965-969 Pacific Highway	Service Station	Yes	In progress	B
Berowra	Caltex Service Station Berowra	12-14 Berowra Waters Rd	Service Station	Yes	In progress	A
Berowra	Shell Coles Express Berowra	955 Pacific Highway	Service Station	Yes	In progress	B
Berrigan	Caltex Service Station	155-165 Chanter St	Service Station	Yes	In progress	B
Berry	Berry Service Centre	88 Queen Street	Service Station	Yes	In progress	B
Berry	BP Service Station	15 Alexandra Street	Service Station	Yes	Completed	H
Bexley	7 Eleven Bexley	474 Forest Road	Service Station	Yes	In progress	A

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Bexley	Mobil Service Station	613 Forest Road	Service Station	Yes	In progress	B
Billinudgel	CSR Readymix	Mogo Place	Other Industry	Yes	Completed	G
Blackmans Flat	Lamberts Gully	Castlereagh Highway	Other Industry	Yes	In progress	A
Blackmans Flat	Mount Piper Extension Development Site	2847 Boulder Road	Other Industry	Yes	In progress	A
Blacktown	7 Eleven Service Station	62 Walters Road	Service Station	Yes	In progress	B
Blacktown	Former Caltex Service Station	131 Richmond Rd	Service Station	No	Completed	G
Blacktown	Land at Reservoir Road	Reservoir Road	Unclassified	Yes	Completed	G
Blaxland	Mobil Service Station	137 Great Western Highway	Service Station	Yes	In progress	B
Boambee	Lindsay Bros transport depot site	542 Pacific Highway	Other Petroleum	No	Completed	G
Boambee East	Mobil Service Station	601 Pacific Highway	Service Station	Yes	In progress	A
Boggabilla	Caltex Service Station	Cnr Simpson St & Newell Hwy	Service Station	Yes	In progress	B
Boggabilla	Mobil Depot	Newell Highway	Other Petroleum	Yes	In Progress	E
Bomaderry	Bomaderry Works Depot	10 McIntyre Way	Other Petroleum	Yes	In progress	B
Bomaderry	Caltex Service Station	246 Princes Highway	Service Station	Yes	Completed	G
Bomaderry	Caltex Service Station	341 Princes Hwy	Service Station	Yes	In progress	B
Bomaderry	Former Shell Depot	44 Railway Street	Other Petroleum	yes	Completed	G
Bomaderry	Mobil Depot	7 Victa Way	Other Petroleum	Yes	In Progress	E
Bomaderry	SRA Land	Lot 2 Meroo St	Unclassified	Yes	Completed	G
Bombala	Caltex Service Station	161 Maybe Street	Service Station	Yes	In progress	B
Bombala	Caltex Service Station	High St Cnr Stephen St	Service Station	Yes	In progress	B
Bombala	Former Bright Street Timber Mill	Bright Street	Other Industry	No	Completed	G
Bombala	Prime Pine site	Sandy Lane	Other Industry	No	Completed	G
Bomen	Caltex Terminal	18 Lewington Street	Other Petroleum	Yes	In progress	B
Bondi	BP Service Station	185 Bondi Road	Service Station	Yes	In progress	A
Bondi	Caltex Service Station	51 Bondi Rd	Service Station	Yes	In progress	B
Bonny Hills	Bonny Hills Service Station	923 Ocean Drive	Service Station	No	In Progress	B
Bonnyrigg	BP Service Station	Corner Cowpasture Road and North Liverpool Road	Service Station	Yes	In Progress	E
Bonnyrigg	Caltex Service Station	Smithfield Rd Cnr Elizabeth Dr	Service Station	Yes	In progress	B

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Boolaroo	Cardiff West Estate - Pasminco Cockle Creek	Adjacent to PCC Smelter at 13A Main Road	Metal Industry	No	Completed	G
Boolaroo	Cockle Creek and Cockle Bay Sediments	Cockle Creek	Metal Industry	No	Completed	C
Boolaroo	Incitec Pivot	Main Street	Other Industry	Yes	Completed	C D
Boolaroo	Pasminco Cockle Creek Smelter	Lake Road	Metal Industry	Yes	Completed	C
Boorowa	Mobil Depot	14-16 Brial Street	Other Petroleum	Yes	In progress	B
Boorowa	Mobil Service Station	63-69 Marsden Street	Service Station	No	Completed	C
Botany	Caltex Terminal	Penrhyn Road	Other Petroleum	Yes	In progress	B
Botany	Former Aerosols of Australia	1617 Botany Road	Chemical Industry	Yes	In Progress	B
Botany	Former Industrial Site	28 Folkestone Parade	Unclassified	Yes	Completed	F
Botany	Former Tannery	2 Daniel Street	Other Industry	Yes	Completed	G
Botany	Mobil Terminal	Port Feeder Road	Other Petroleum	Yes	In Progress	E
Botany	Nuplex Resins	49-61 Stephen Rd	Chemical Industry	Yes	Completed	C
Botany	RTA Depot	5 Lord Street	Other Petroleum	No	Completed	F
Bourke	Caltex Service Station	82-86 Anson Street	Service Station	Yes	In progress	B
Bourke	Former Shell Depot	94- 106 Anson Street	Service Station	Yes	In Progress	A
Bowenfells	Bowenfells Field Service Centre	9-13 Coeerwull Road	Other Petroleum	Yes	In progress	A
Bowral	Former Gasworks	Merrigang Street	Gasworks	Yes	Completed	C
Bowral	Shell Coles Express Service Station	430 Bong Bong Street	Service Station	Yes	In Progress	B
Branxton	Former Service Station	70 Maitland Street	Service Station	Yes	In Progress	B
Brighton Le Sands	Cook Park	General Holmes Drive	Service Station	No	Completed	C G
Brighton Le Sands	Shell Service Station Brighton Le Sands & adjacent land	2 General Holmes Drive	Service Station	Yes	Completed	C G
Broadmeadow	Nineways Broadmeadow Coles Express SS	Corner Brunker Road and Lambton Road	Service Station	Yes	In Progress	B

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Broken Head	South Bynron Sewage Treatment Works	Broken Head Road	Other Industry	Yes	In progress	A
Broken Hill	Broken Hill Airport Mobil Refuelling Facility	Bonanza Street	Other Petroleum	Yes	In Progress	A
Broken Hill	Caltex Service Station	3 Kanandah Road	Service Station	Yes	In progress	B
Broken Hill	Caltex Service Station	535 Argent St	Service Station	Yes	In progress	B
Broken Hill	Caltex Service Station	73-87 Oxide St	Service Station	yes	Completed	C E
Broken Hill	Former Caltex Service Station	167-173 Argent Street	Service Station	No	Completed	G
Broken Hill	Former Gasworks	Cornish Street	Gasworks	Yes	Completed	C G
Broken Hill	Mobil Depot	5 Kanandah Road	Other Petroleum	Yes	In progress	A
Broken Hill	Mobil Depot	Corner Of Talc Street and Gossan Street	Other Petroleum	Yes	In Progress	E
Brooklyn	Former Oyster Farm	Off Government Road	Unclassified	Yes	In progress	A
Brookvale	AMP Warringah Mall	Cnr Condamine Street, Old Pittwater Rd & Cross St	Other Industry	Yes	In progress	B
Brookvale	Brookvale Depot	630-636 Pittwater Road	Other Petroleum	Yes	In Progress	E
Brookvale	Caltex Service Station	740-742 Pittwater Rd	Service Station	Yes	In progress	B
Brookvale	Coles Express Brookvale	198 Harboard Road	Service Station	Yes	In progress	A
Brookvale	Little Drycleaning	123 Old Pittwater Road	Other Industry	Yes	In progress	B
Brookvale	Woolworths Petrol Brookvale	756 Pittwater Road	Service Station	Yes	In progress	B
Brownsville	Caltex Service Station	342 Kanahooka Rd	Service Station	Yes	In progress	B
Brunswick Heads	Caltex Service Station	5 Tweed St	Service Station	Yes	In progress	B
Bulahdelah	Caltex Service Station	Lot 5 Mahogany St	Service Station	Yes	In progress	B
Bulahdelah	Caltex Service Station	Pacific Hwy	Service Station	Yes	In progress	B
Bulahdelah	Mobil Service Station	59-63 Boolambayte Street	Service Station	Yes	In Progress	E
Bullaburra	Burmah Service Station	367 - 369 Great Western Highway	Service Station	Yes	In Progress	E
Bulli	Bulli Brickworks	Quilkey Place	Other Industry	Yes	In progress	A
Bulli	Scrap Yard	7 Molloy Street	Other Industry	No	Completed	C
Bungendore	Former Timber Treatment Plant	Corner King and Butmaroo Streets	Other Industry	No	Completed	C G
Buronga	Caltex Service Station	Sturt Hwy Cnr Silver City Hwy	Service Station	Yes	In progress	B

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Burwood	Burwood STA Depot	Cnr Shaftesbury and Parramatta Roads	Other Industry	Yes	Completed	C G
Byron Bay	Former South Byron Sewage Treatment Plant	Broken Head Road	Other Industry	Yes	In progress	A
Byron Bay	Residential Development	Lot 15 Seaview Street	Unclassified	Yes	Completed	F G
Cabarita	Cabarita Wellcome	33 Phillips Street	Landfill	No	Completed	C G
Cabarita	Dulux (Orica Australia)	Cabarita Road	Chemical Industry	No	Completed	C
Cabramatta	Caltex Service Station	166 John St	Service Station	Yes	In progress	B
Calga	Former service station	101 Peats Ridge Road Calga	Service Station	No	Completed	C G
Callala Beach	Callala Beach General Store	114A Quay Rd (formerly 1 Quay Rd)	Service Station	Yes	Completed	G
Cambridge Park	Caltex Service Station	Lot 6 Star Court	Service Station	Yes	In progress	B
Camden	Caltex Service Station	21 Barsden St	Service Station	Yes	In progress	B
Camden	Camden High School	John Street	Gasworks	No	Completed	G
Camden South	Shell Coles Express Service Station	273 Old Hume Highway	Service Station	Yes	In progress	A
Camellia	Akzo	6 Grand Avenue	Chemical Industry	No	Completed	C
Camellia	Asciano Properties	39 Grand Ave	Chemical Industry	No	Completed	C D
Camellia	Bitumen Manufacturer	12 Grand Avenue	Other Industry	No	Completed	C D
Camellia	Council Reserve	11B Grand Ave	Metal Industry	No	Completed	G
Camellia	Hambear	14 Thackeray St	Metal Industry	No	Completed	G
Camellia	Hymix Concrete	14 Grand Ave	Metal Industry	No	Completed	C
Camellia	James Hardie Factory (former)	1 Grand Ave	Other Industry	Yes	Completed	C
Camellia	Maritime Services Board	33A Grand Ave	Metal Industry	No	Completed	G
Camellia	Mauri Foods	15 Grand Ave	Other Industry	Yes	Completed	H
Camellia	Railway Land	27 Grand Ave	Other Industry	No	Completed	G
Camellia	Sydney Water	41 Grand Ave	Chemical Industry	No	Completed	C G

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Camellia	Veolia	37 Grand Avenue	Chemical Industry	No	Completed	C
Camellia	Wrigg	13 Grand Ave	Metal Industry	No	In Progress	A
Cammeray	Tunks Park	Brothers Avenue	Landfill	Yes	Completed	C G
Campbelltown	BP Service Station	Cnr Blaxland Road and Campbelltown Road	Service Station	Yes	In Progress	E
Campbelltown	Former vehicle wrecking yard	38 Blaxland Road	Unclassified	Yes	In progress	B
Campbelltown	Mobil Service Station	96-98 Queen Street	Service Station	Yes	Completed	G
Camperdown	O'Dea Reserve	Salisbury Lane	Landfill	Yes	Completed	C G
Campsie	Budget Petroleum and adjacent property	403 Canterbury Road and 1 Una Street	Service Station	Yes	Completed	C
Campsie	Former Sunbeam factory	60 Charlotte Street	Other Industry	Yes	Completed	C G
Canley Heights	Caltex Service Station	280-286 Canley Vale Rd	Service Station	Yes	In progress	B
Canley Heights	Caltex Service Station	368 Canley Valley Rd	Service Station	Yes	In progress	B
Canley Vale	Former Mobil Service Station	96 Canley Vale Road	Service Station	Yes	Completed	G
Canowindra	BP Service Station	76 Rodd Street	Service Station	Yes	In progress	A
Canterbury	Metro Petroleum Service Station	13-19 Canterbury Road	Service Station	No	Completed	C
Cardiff	7-Eleven Service Station	399 Main Road	Service Station	Yes	Completed	G
Cardiff	BP Service Station	Corner Sturt and Main Roads	Service Station	yes	In Progress	A
Cardiff	Caltex Service Station	334-340 Main Rd	Service Station	Yes	In progress	B
Cardiff	Former Caltex Service Station	367 Main Road	Service Station	Yes	Completed	G
Cardiff	Former Mobil Depot	7 Ranton Street	Other Petroleum	yes	Completed	F
Cardiff	Former Mobil Service Station	43 Macquarie Road	Service Station	Yes	In Progress	A F
Cardiff	Maneela Oval	Main Road	Other Industry	Yes	In progress	A
Cardiff	UPSS - Lowes Petroleum Cardiff	4 Belford Place	Service Station	Yes	Completed	G
Caringbah	7 Eleven Service Station	367 The Kingsway	Service Station	Yes	In progress	B
Caringbah	Adjacent to Spirent Australia	101-103 Cawarra Rd	Other Industry	No	Completed	C
Caringbah	Former Consumer Health Products Manufacturer	32-40 Cawarra Road	Other Industry	Yes	Completed	G
Caringbah	Spirent Australia	105 Cawarra Road	Other Industry	No	Completed	C G

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Carlingford	Caltex Service Station	131 Pennant Hills Rd	Service Station	Yes	In progress	B
Carlingford	Caltex Service Station	797 Pennant Hills Rd	Service Station	Yes	In progress	B
Carlton	Shell Coles Express Service Station	274-281 Princes Highway	Service Station	Yes	Completed	D
Carrington	Carrington redevelopment site	11 Howden Street	Other Industry	No	Completed	G
Carrington	Cmc Australia Pty Ltd	117-121 Bourke Street	Other Industry	Yes	In progress	B
Carrington	Pasminco Ship Loader	Dyke Berth 2 (off Bourke Street)	Metal Industry	Yes	Completed	G
Carss Park	Vacant Property	334 Princes Highway	Other Industry	Yes	Completed	G
Carwell	Cement Australia - Carwell Creek Quarries	Quarry road	Other Industry	Yes	In progress	B
Casino	Caltex Service Station	32 Dyraaba St	Service Station	Yes	In progress	B
Casino	Caltex Service Station	96 Centre St	Service Station	Yes	In progress	B
Casino	Former Gasworks	134-136 North Street	Gasworks	No	Completed	F
Casino	Woolworths Petrol	Canterbury Street Cnr Summerland Way	Service Station	yes	In Progress	A
Casula	Caltex Service Station	646 Hume Hwy	Service Station	Yes	In progress	B
Catherine Hill Bay	Catherine Hill Bay Coal Handling and Preparation Plant	1A Keene Street	Other Industry	Yes	Completed	G
Cessnock	Caltex Service Station	105 Wollombi Road	Service Station	Yes	In progress	B
Cessnock	Former Mobil Service Station	102 Wollombi Road	Service Station	Yes	In Progress	B
Cessnock	Former Service Station	2-4 Allendale Road	Service Station	Yes	Completed	F
Charbon	Charbon Colliery	Charbon Road	Other Industry	Yes	In progress	A
Charlestown	BP Service Station	93 Pacific Highway	Service Station	No	Completed	H
Charlestown	Caltex Service Station	81 Pacific Hwy	Service Station	yes	Completed	H
Charlestown	Energy Australia Powell Street Depot	Powell Street	Other Industry	Yes	In progress	B
Charlestown	Shell Service Station	273 Charlestown Road	Service Station	No	Completed	F G
Charmhaven	Caltex Service Station	13-15 Pacific Hwy	Service Station	Yes	In progress	B
Chatswood	Auto Repairs	2 Devonshire Street	Service Station	yes	Completed	G
Chatswood	Caltex Service Station	572 Pacific Hwy	Service Station	Yes	In progress	B

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Chatswood	Coles Express Chatswood	877-879 Pacific Highway	Service Station	Yes	In progress	A
Chatswood	DELETE- See 1861	2 Devonshire Street	Other Petroleum	Yes	In progress	A
Chatswood	Former Caltex Service Station	607 Pacific Highway	Service Station	No	Completed	C
Chatswood West	Chatswood Toyota	728 Pacific Highway	Service Station	Yes	Completed	C
Cherrybrook	Caltex Service Station	67 Shepherds Dr	Service Station	Yes	In progress	B
Chester Hill	Former Orica	127 Orchard Road	Chemical Industry	Yes	Completed	C
Chipping Norton	Former ACR	85-107 Alfred Street	Chemical Industry	Yes	Completed	C
Chipping Norton	Mobil Depot	49-51 Riverside Road	Other Petroleum	No	Completed	H
Chiswick	Former Sydney Wiremills (BHP) site	Blackwall Point Road	Other Industry	Yes	Completed	F
Chittaway Point	Caltex Service Station	100 Chittaway Rd	Service Station	Yes	In progress	B
Chullora	Chullora Railway Workshops	Worth Street	Other Industry	yes	In Progress	A
Clarence	Clarence Colliery	Chifley Road	Other Industry	Yes	In progress	A
Clarendon	Coles Express Clarendon	244 Richmond Road	Service Station	Yes	In progress	A
Clearfield	Former Pamplings Dip Site	Off Clearfield Road	Cattle Dip	yes	Completed	G
Clybucca	BP Service Station	1 Pacific Highway	Service Station	Yes	In Progress	E
Clyde	Mobil Service Station	3 Parramatta Road	Service Station	Yes	In progress	A
Cobar	Caltex- Cobar	56-58 Marshall Street	Service Station	Yes	In progress	B
Cobar	Caltex Service Station	Barrier Hwy	Service Station	Yes	In progress	B
Cobar	Caltex Service Station	Lot 10 Railway Parade	Service Station	Yes	In progress	B
Cobar	Mckinnons Gold Mine	Cobar	Metal Industry	Yes	In progress	B
Coffs Harbour	Aussitel Backpackers Hostel	312 Harbour Drive	Service Station	Yes	Completed	C G
Coffs Harbour	BP Service Station	134 Pacific Highway	Service Station	No	Completed	C
Coffs Harbour	Caltex Service Station	157 Orlando St	Service Station	Yes	In progress	B
Coffs Harbour	Caltex Service Station	Cnr Pacific Hwy & Halls Rd	Service Station	Yes	In progress	B
Coffs Harbour	Coffs Harbour Airport Mobil	Beatties Fuel Depot	Other Petroleum	No	Completed	C G
Coffs Harbour	Dan Murphy's Coffs Harbour	10 Elbow Street	Service Station	Yes	In progress	A
Coffs Harbour	Mobil Service Station	314-316 Harbour Drive	Service Station	Yes	Completed	C
Coffs Harbour	Woolworths Petrol	Park Beach Plaza, Pacific Highway	Service Station	Yes	In Progress	E

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Coleambally	Mobil Depot	19 Bencubbin Avenue	Other Petroleum	Yes	In progress	A
Collarenebri	Former Shell Depot	Corner Narran Street and Queen Street	Other Petroleum	yes	Completed	G
Colongra	Endeavour Colliery	Scenic Drive	Other Industry	Yes	In progress	A
Colongra	Munmorah Colliery	Scenic Drive	Other Industry	Yes	In progress	A
Colyton	Ampol Service Station	88 Great Western Highway	Service Station	Yes	Completed	C
Concord	Caltex Service Station	87-89 Parramatta Rd	Service Station	Yes	In progress	B
Concord	Caltex Service Station	92a Concord Rd	Service Station	Yes	In progress	B
Concord West	Caltex Service Station	369-375 Concord Rd	Service Station	Yes	In progress	B
Condobolin	BP Service Station	36 Dennison Street	Service Station	Yes	In progress	A
Condobolin	Caltex Service Station	Parkes Rd	Service Station	Yes	In progress	B
Condobolin	Former Ampol Depot	Cnr Parkes Road and Goobang Street	Service Station	No	Completed	G
Condobolin	Former Mobil Depot	6 Burnett Street	Other Petroleum	Yes	Completed	C
Condobolin	Mobil Condobolin Depot Railway Siding	6 Burnett Street	Other Petroleum	Yes	In progress	A
Coogee	Caltex Service Station	146-148 Coogee Bay Road	Service Station	Yes	In progress	B
Coogee South	Caltex Service Station	169-173 Malabar Rd	Service Station	Yes	In progress	B
Cooks Hill	Former Council depot.	152 Cooks Street & 115 Corlette Street	Other Industry	Yes	In Progress	A
Coolac	Coolac Service Station	Corner Hume Highway and Coleman Street	Service Station	Yes	Completed	F
Coolah	BP Depot (Reliance Petroleum)	17-23 Cunningham Road	Other Petroleum	Yes	In progress	A
Coolongolook	Caltex Service Station	Pacific Hwy	Service Station	Yes	In progress	B
Cooma	BP Depot (Reliance Petroleum)	4 Sharp Street	Other Petroleum	Yes	In progress	A
Cooma	BP Service Station (Reliance Petroleum)	4 Sharp Street	Service Station	Yes	In progress	A
Cooma	Caltex Service Station	2 Short Street	Service Station	Yes	In progress	B
Cooma	Caltex Service Station	44 Sharp St	Service Station	Yes	In progress	B
Cooma	Former Shell Depot	48-50 Bradley Street	Other Petroleum	Yes	In Progress	E
Cooma	Mobil Depot	2 Commissioner Street	Other Petroleum	Yes	In progress	B

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Cooma	Shell Service Station	54 Sharp St	Service Station	No	Completed	G
Cooma	Woolworths Petrol	Bombala Street Cnr Massie Street	Service Station	yes	In Progress	A
Coonabarabran	Caltex Service Station	85-87 John Street	Service Station	Yes	In progress	B
Coonabarabran	Caltex Service Station	Cnr Dawson & Drummond Street	Service Station	Yes	In progress	B
Coonabarabran	Former Mobil Depot	49 Cowper Street	Other Petroleum	Yes	In Progress	B
Coonabarabran	Shell Coles Express Service Station	2-6 John Street	Service Station	Yes	In Progress	B
Coonabarabran	Shell Former Coonabarabran CVRO	51 Cowper Street	Other Petroleum	yes	Completed	G
Coonamble	Caltex Service Station	Quambone Street	Service Station	Yes	In progress	B
Coonamble	Former Shell Depot	Corner Aberford Street and Quambone Road	Other Petroleum	Yes	In progress	A
Cooranbong	Poultry Farm	Alton Road and Freemans Drive	Unclassified	Yes	In Progress	B
Cootamundra	Caltex Service Station	219 Sutton Way (olympic Way)	Service Station	Yes	In progress	B
Cootamundra	Caltex Service Station	26-34 Hovell St	Service Station	Yes	In progress	B
Cootamundra	Caltex Service Station	72 Parker St	Service Station	Yes	In progress	B
Cootamundra	Cootamundra Gasworks	140-146 Hovell Street	Gasworks	Yes	Completed	C
Cootamundra	Former Amoco Depot	68-72 Hovell Street	Other Petroleum	Yes	Completed	C
Cootamundra	Former BP Depot	1-5 Murray Street	Other Petroleum	Yes	In Progress	B
Coramba	Martin Street	End of Martin Street and adjacent car park	Service Station	Yes	Completed	C
Corowa	Corowa Shire Council Works Depot	12 - 18 Poseidon Road	Other Petroleum	Yes	In progress	A
Corowa	Former Caltex Service Station	10 Bow St	Service Station	Yes	In progress	A
Corrimal	7 Eleven Corrimal	138-146 Princes Highway	Service Station	Yes	In progress	A
Cowra	Cowra Depot (Reliance Petroleum)	10 Campbell Street	Other Petroleum	Yes	In progress	A
Cowra	Former Gasworks	30 Brougham Street	Gasworks	no	Completed	C
Cowra	Landmark Fertiliser Storage	Corner Young Road & Waratah Street	Chemical Industry	Yes	In progress	A

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Cowra	Shell Depot	34 Brougham Street	Other Petroleum	No	Completed	C
Crangan Bay	Big T Road House.	555 and 565 Pacific Highway	Service Station	No	Completed	C
Cremorne	Shell Coles Express Service Station	225 Military Road	Service Station	Yes	In Progress	B E
Cringila	Cringila Public School	Sheffield Street	Landfill	Yes	Completed	G
Cronulla	Breen Holdings	Bate Bay Road	Other Industry	Yes	Completed	G
Crows Nest	Caltex Service Station	111-121 Falcon Street	Service Station	Yes	In progress	B
Croydon	Caltex Service Station	404-410 Liverpool Rd	Service Station	Yes	In progress	B
Croydon Park	Mobil Service Station	334 Georges River Road	Service Station	Yes	Completed	G
Culcairn	Caltex Service Station	Olympic Way	Service Station	Yes	In progress	B
Cullen Bullen	Baal Bone Colliery	Castlereagh Highway	Other Industry	Yes	In progress	A
Cundletown	Caltex Service Station	Old Pacific Highway	Service Station	Yes	In progress	B
Curl Curl and North Curl Curl	John Fisher Park	Corner Harbord and Abbot Roads	Landfill	Yes	In progress	A
Daceyville	Astrolabe Park	Cook Avenue	Landfill	Yes	Completed	H
Dapto		12-14 Hamilton Street	Other Industry	Yes	Completed	G
Dapto	RailCorp Dapto	Rear of 2-14 Hamilton Street	Other Industry	Yes	Completed	G
Darlinghurst	Cross City Tunnel	Riley and William Streets	Service Station	No	Completed	F
Dee Why	Caltex Service Station	793-797 Pittwater Rd	Service Station	Yes	In progress	B
Dee Why	Dee Why Town Centre	Pittwater Road	Other Industry	Yes	In progress	A
Deniliquin	BP Depot	Corner Harding and Sloane Streets	Service Station	Yes	In progress	A
Deniliquin	Caltex Service Station	116-118 Harding Rd	Service Station	Yes	In progress	B
Deniliquin	Deniliquin Gasworks	365 and 369 George St and 380 Charlotte Street	Gasworks	No	In Progress	A
Deniliquin	Former Shell Depot	143-147 Napier Street	Other Petroleum	Yes	In Progress	E
Deniliquin	Landmark Chemicals Storage	90-101 Davidson Street	Chemical Industry	Yes	In progress	A
Deniliquin	Shell Coles Express Service Station	336 Victoria Street	Service Station	Yes	Completed	C
Denman	Former Industrial Site	10 Fontana Way	Metal Industry	Yes	Completed	G
Denman	Former Industrial Site	9 Fontana Way	Metal Industry	Yes	Completed	G

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Doyalson	Mannering Colliery (formerly Wyee)	Rutleys Road	Other Industry	Yes	In progress	A
Doyalson	Munmorah Power Station	Scenic Drive (Central Coast Highway)	Unclassified	Yes	In Progress	A D
Doyalson	Transgrid	David St	Other Industry	No	Completed	G
Doyalson North	Shell Coles Express Service Station	260-270 Pacific Highway	Service Station	No	In Progress	B
Drummoyne	Caltex Service Station	191-195 Lyons Rd	Service Station	Yes	In progress	B
Drummoyne	Coles Express Drummoyne	35-51 Victoria Road	Service Station	Yes	In progress	A
Drummoyne	Former Dry Cleaners	225 Victoria Road	Chemical Industry	yes	In Progress	B
Drummoyne	UPSS Shell Coles Express	38 - 46 Victoria Road	Service Station	Yes	In progress	B
Dubbo	BP Service Station, Dubbo	105 Erskine Street	Service Station	Yes	In Progress	B
Dubbo	Caltex Service Station	119 Bourke St	Service Station	Yes	In progress	B
Dubbo	Caltex Service Station	Phillip St Cnr Fitzroy St	Service Station	Yes	In progress	B
Dubbo	Caltex Service Station, Dubbo	60 Windsor Parade	Service Station	Yes	Completed	E G
Dubbo	Caltex Service Station, Dubbo	Cnr Brisbane Street and Cobra Street	Service Station	Yes	Completed	C
Dubbo	Dubbo Police Station	153 Brisbane Street	Other Petroleum	Yes	In Progress	A
Dubbo	Former Ambulance Station	165 Brisbane Street	Other Petroleum	Yes	Completed	C G
Dubbo	Former Mobil depot	40-44 Morgan Street	Other Petroleum	Yes	Completed	G
Dubbo	Former Shell Depot	109-111 Erskine Street	Other Petroleum	Yes	In Progress	E
Dubbo	Mobil Depot	107 Erskine Street	Other Petroleum	Yes	In Progress	E
Dubbo	Service Station at Harvey Norman Centre	219-233 Cobra Street	Service Station	Yes	In progress	B
Dubbo	Shell Coles Express Service Station	131-133 Cobra Street	Service Station	Yes	In Progress	A
Dubbo	Shell Coles Express Service Station	45-49 Whylandra Street	Service Station	Yes	In Progress	E
Dubbo North	Caltex Service Station	Bourke Street	Service Station	Yes	In progress	B
Dubbo West	Mobil Service Station	Corner Whylandra and Victoria Streets	Service Station	Yes	In progress	A

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Dulwich Hill	Denison Road Playground	194 Denison Road	Landfill	yes	Completed	F
Dulwich Hill	Former Tyre Recapping	115-117 Constitution Road	Other Industry	No	Completed	G
Dunedoo	Former Shell Depot	Corner Bolaro Street and Redbank Street	Other Petroleum	Yes	In progress	A
Dungog	Lot 54 Common Rd	54 Common Road	Unclassified	No	Completed	G
Dunmore	Equestrian Centre	71 Fig Hill Lane	Unclassified	Yes	Completed	G
Dural	BP Service Station	582 Old Northern Road	Service Station	Yes	In progress	B
Dural	Caltex Service Station	530 Old Northern Road	Service Station	No	Completed	G
Dural	Caltex Service Station	917-923 Old Northern Rd	Service Station	Yes	In progress	B
Dural	Woolworths Caltex Service Station	532 Old Northern Road	Service Station	Yes	In progress	A
Eagle Vale	BP Service Station	Corner Eagle Vale Drive and Gould Road	Service Station	Yes	In Progress	E
Earlwood	RTA Land	2 Jackson Place	Unclassified	Yes	In progress	A
Earlwood	RTA Land	3 Jackson Place	Unclassified	yes	Completed	C
East Ballina	Caltex Service Station	34 Links Ave	Service Station	Yes	In progress	B
East Gosford	Mobil Service Station	44 Victoria Street	Service Station	Yes	Completed	C
East Gosford	Presbyterian Aged Care Facility	8-18 Enid Crescent	Landfill	Yes	Completed	G
East Maitland	Caltex Service Station	Newcastle Rd Cnr William St	Service Station	Yes	In progress	B
East Maitland	Former Gasworks Site	Corner Melbourne and Brisbane St	Gasworks	No	Completed	G
East Maitland	Mobil Service Station	250 Newcastle Street	Service Station	Yes	In Progress	E
East Tamworth	Caltex Service Station	358 New England Hwy	Service Station	Yes	In progress	B
Eastern Creek	Caltex Service Station	M4 Motorway Eastbound	Service Station	Yes	In progress	B
Eastern Creek	Caltex Service Station M4 Motorway Westbound	M4 Westbound	Service Station	yes	Completed	E G
Eastern Creek	Pioneer Road Services	Old Walgrove Road	Other Industry	Yes	In progress	B
Eastlakes	Eastlakes Reserve	Evans Avenue	Service Station	Yes	Completed	C G
Eastlakes	Former Shell Rosebery service station and adjacent land	275-279 Gardeners Road (fmr service station)	Service Station	Yes	Completed	C G
Eastlakes	Mobil Service Station	102 Maloney Street	Service Station	Yes	Completed	C

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Eastwood	Mobil Service Station	5 Trelawney Street	Service Station	Yes	In progress	B
Eden	Caltex Service Station	159 Imlay St	Service Station	Yes	In progress	B
Eden	Caltex Service Station	80-86 Imlay St	Service Station	Yes	In progress	B
Edensor Park	Mobil Service Station	Corner Cowpasture Road and Elizabeth Drive	Service Station	Yes	In progress	B
Edgecliff	Shell Coles Express Service Station	67 New South Head Road	Service Station	Yes	In Progress	E
Edgeworth	Caltex Service Station	662 Main Rd	Service Station	Yes	In progress	B
Emerton	7-Eleven Service Station	135-137 Popondetta Road	Service Station	Yes	Completed	G
Emu Heights	7-Eleven Service Station	126 Old Bathurst Road	Service Station	Yes	Completed	G
Emu Heights	Woolworths Caltex Service Station	132 Old Bathurst Road	Service Station	Yes	In progress	A
Emu Plains	Woolworths Caltex Service Station	283 Great Western Highway	Service Station	Yes	In progress	A
Engadine	BP Branded Service Station	963 Old Princes Highway	Service Station	No	Completed	C F
Engadine	BP Service Station	1234 Princes Highway	Service Station	Yes	Completed	C
Engadine	Former Caltex Service Station	995 Old Princes Highway	Service Station	No	In Progress	B
Epping	Mobil Service Station	246 Beecroft Road	Service Station	Yes	In progress	A
Erina	7 Eleven Service Station	214 The Entrance Road	Service Station	Yes	In progress	B
Erina	7-Eleven Service Station	96 The Entrance Road	Service Station	Yes	In progress	B
Erina	Caltex Service Station	155 The Entrance Rd	Service Station	Yes	In progress	B
Erina	Coles Express Erina	211 The Entrance Road	Service Station	Yes	In Progress	E
Erina	Erina Service Station	214 The Entrance Road	Service Station	No	Completed	F G
Erina	Former Frozen Food Distribution Depot	1 Aston Road	Other Petroleum	Yes	Completed	C
Ermington	Caltex Service Station	560-562 Victoria Rd	Service Station	Yes	In progress	B
Erskineville	Department of Housing	52 John St	Other Industry	No	Completed	G
Erskineville	RailCorp land	Coulson Street	Other Industry	yes	In Progress	B
Erskineville	Redeveopment Site	36/1A Coulson Street	Unclassified	Yes	In progress	A
Euabalong West	Euabalong West Depot (Reliance Petroleum)	Corner Illawong Street and Murrin Street	Other Petroleum	Yes	In progress	A
Evans Head	Bundjalung National Park	Gap Road	Unclassified	Yes	In Progress	B

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Evans Head	Evans Head Aerodrome	Memorial Airport Drive	Other Industry	No	Completed	G
Evans Head	Evans Head Residential subdivision	Bounded by Currajong, Woodburn, Carrabeen Streets and Tuckeroo Cres	Unclassified	No	Completed	G
Eveleigh	Australian Technology Park	Henderson Road	Other Industry	yes	Completed	G
Fairfield	Integral Energy Fairfield Zone Substation	22 Hedges Street	Other Industry	yes	In Progress	A
Fairfield	Speedway Petroleum	251 The Horsley Drive	Service Station	Yes	Completed	D G
Fairfield West	7 Eleven Fairfield West	234 Hamilton Road Cnr The Boulevarde	Service Station	Yes	In progress	A
Fairy Meadow	Caltex Fuel Depot	46 Montague Street and adjoining land	Service Station	No	Completed	C G
Fairy Meadow	Deynal (Seeman)	51-59 Princes Highway	Service Station	No	Completed	F G
Farley	Farley Waste Water Treatment Works	Owl Pen Lane	Unclassified	Yes	In progress	B
Fassifern	Newstan Colliery	Fassifern Road	Other Industry	Yes	In progress	A
Federal	Federal General Store	3-6 Federal Drive	Service Station	Yes	Completed	C
Fern Bay	Former service station	37 Nelson Bay Road	Service Station	No	Completed	F
Five Dock	7 Eleven Service Station	231-235 Great Northern Road	Service Station	Yes	In progress	B
Five Dock	Caltex Service Station	Fairlight St Cnr Ramsay Rd	Service Station	Yes	In progress	B
Forbes	BP Service Station	Corner Johnson and Dowling Streets	Other Petroleum	Yes	In progress	A
Forbes	Caltex Service Station	Parkes Rd	Service Station	Yes	In progress	B
Forbes	Crippen Park	34 Dowling Street	Service Station	Yes	In progress	B
Forbes	Depot Forbes (Reliance Petroleum)	13 Union Street	Other Petroleum	Yes	In progress	A
Forbes	Former Gasworks	24-26 Union Street	Gasworks	No	In progress	B C
Forbes	Former Save on Fuel Service Station	Dowling Street	Service Station	Yes	In Progress	A
Forbes	Former Shell Depot	Corner Stephen Street and Little Union Street	Other Petroleum	Yes	In Progress	E
Foresters Beach	Caltex Service Station	The Entrance Rd Cnr Bellevue Rd	Service Station	Yes	In progress	B

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Forestville	BP Service Station	632 Warringah Road	Service Station	yes	Completed	E H
Forestville	Shell Service Station	667 Warringah Road	Service Station	Yes	Completed	C
Forster	Caltex Service Station	16-18 Lake St	Service Station	Yes	In progress	B
Forster	Former Mobil Service Station	86-88 Macintosh Street	Service Station	Yes	In progress	B
Forster	Shell (Kneebone's) Service Station	2-6 The Lakes Way	Service Station	Yes	In Progress	B
Frenchs Forest	Former BP Service Station	Russell Avenue	Service Station	yes	Completed	H
Frenchs Forest	Mobil Service Station	312 Warringah Road	Service Station	Yes	In progress	A
Freshwater	Mobil Prime Service Station	119 Harbord Road	Service Station	Yes	In Progress	A
Georgetown	Caltex Service Station	Cnr Christo & Georgetown Rd	Service Station	Yes	Completed	F
Gerringong	Gerringong Cooperative	18 Belinda Street	Other Petroleum	Yes	Completed	G
Gilgandra	Caltex Service Station	6425 Newell Hwy	Service Station	Yes	In progress	B
Gilgandra	Mobil Depot	2 Federation Street	Other Petroleum	Yes	In progress	A
Gilgandra	Mobil Depot	20 Federation Street	Other Petroleum	Yes	In Progress	E
Gilgandra	Mobil Service Station	15 Castlereagh Street	Service Station	Yes	In progress	A
Girraween	Industrial Galvanizers site	20-22 Amax Avenue	Metal Industry	Yes	Completed	D
Gladesville	Caltex Service Station	116 Victoria Rd	Service Station	Yes	In progress	B
Gladesville	Caltex Service Station	287-295 Victoria Rd	Service Station	Yes	In progress	B
Gladesville	Road Reserve	Pittwater Road	Other Industry	Yes	In progress	A
Glebe	The Hill and Jubilee Embankment	12 Maxwell Road	Other Industry	yes	Completed	F G
Glen Innes	Ambulance Station	106 Bourke Street	Unclassified	Yes	Completed	G
Glen Innes	Caltex Service Station	130 Lambeth St	Service Station	Yes	In progress	B
Glen Innes	Caltex Service Station	154 New England Hwy	Service Station	Yes	In progress	B
Glen Innes	Caltex Service Station	Church St Cnr Meade St	Service Station	Yes	In progress	B
Glen Innes	Caltex Service Station	Cnr Taylor & Church Sts	Service Station	Yes	In progress	B
Glen Innes	Council-owned Laneway	Lot 2 Lang Street	Gasworks	No	Completed	F G
Glen Innes	Former Caltex Depot,	Lambeth Street	Other Petroleum	No	Completed	G
Glen Innes	Former Shell Depot	Lot 1, Lambert Street	Other Petroleum	Yes	In Progress	E
Glen Innes (see Figure 1)	Telstra Depot, Lambeth Street Glen Innes	126 Lambeth Street	Unclassified	Yes	Completed	G
Glenbrook	Caltex Service Station	78 Great Western Hwy	Service Station	Yes	In progress	B
Glendale	Former Service Station	334-342 Lake Road	Unclassified	yes	Completed	G

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Glendale	Shell Service Station	593 Main Road	Service Station	Yes	In progress	A
Glendale	Woolworths Service Station	Stockland Drive	Service Station	Yes	In progress	A
Glendenning	Mobil Service Station	1 Dublin Street	Service Station	Yes	In progress	A
Glenorie	Glenorie Caltex Service Station	912 Old Northern Road	Service Station	Yes	In Progress	A
Gloucester	Caltex Service Station	141 Church Street	Service Station	Yes	In progress	B
Goonellabah	Invercauld Road Cattle Dip	161 Invercauld Road	Cattle Dip	No	In Progress	A C
Gosford	Mobil Depot	Corner Merinee Road and Bowen Crescent	Other Petroleum	Yes	In progress	B
Gosford West	Caltex Service Station	283 Manns Rd	Service Station	Yes	In progress	B
Gosford West	Caltex Service Station	30a Pacific Hwy	Service Station	yes	In Progress	B
Goulburn	Caltex Service Station	13 Sloane St	Service Station	Yes	In progress	B
Goulburn	Caltex Service Station	315 Auburn St	Service Station	Yes	In progress	B
Goulburn	Caltex Service Station	68 Goldsmith St	Service Station	Yes	In progress	B
Goulburn	Caltex Service Station	72-74 Clinton St	Service Station	Yes	In progress	B
Goulburn	Former Autoport Service Station	Corner Bruce Street and Lagoon Street	Service Station	Yes	In Progress	A
Goulburn	Former Goulburn Gasworks	1 Blackshaw Road	Gasworks	yes	Completed	C
Goulburn	Former Mobil Service Station	422-426 Auburn Street	Service Station	Yes	In Progress	E
Goulburn	Goulburn Tannery	13 Gibson Street	Other Industry	No	In Progress	A
Goulburn	Mobil Depot	23 Braidwood Road	Other Petroleum	No	In Progress	B
Goulburn	Mobil Service Station	129 Lagoon Street	Service Station	Yes	Completed	C
Goulburn	Shell Service Station	Corner Clinton and Cowper Streets	Service Station	Yes	In Progress	B
Grafton	BP Service Station	58 Fitzroy Street	Service Station	Yes	In progress	A
Grafton	Caltex Service Station	179 Prince St	Service Station	Yes	In progress	B
Grafton	Caltex Service Station	72 Swallow Road	Service Station	Yes	In progress	B
Grafton	Caltex Service Station	Corner Villiers St and Fitzroy St	Service Station	yes	Completed	G
Grafton	Former BP Service Station	202 Queen Street	Service Station	Yes	In progress	A
Grafton	Former service station site	161 Turf Street	Other Petroleum	Yes	In progress	B
Grafton	Former Shell Depot	12 Milton Street	Other Petroleum	Yes	In Progress	A

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Grafton	Grafton Depot (Reliance Petroleum)	13 Orara Street	Other Petroleum	Yes	In progress	A
Grafton	Grafton Works Depot	26-28 Bruce St	Other Petroleum	Yes	In progress	A
Grafton	Mobil Depot	2-16 Bruce Street	Other Petroleum	Yes	In Progress	E
Grafton	Shell Coles Express Service Station	91 Bent Street	Service Station	Yes	In Progress	E
Grafton	Woolworths Petrol	75 - 77 Fitzroy Street Cnr of Duke Street	Service Station	yes	In Progress	A
Grafton South	Caltex Service Station	Pacific Hwy Cnr Gwyder Hwy	Service Station	Yes	In progress	B
Granville	7-Eleven Service Station	154-160 Parramatta Road	Service Station	Yes	Completed	G
Granville	Australand	15-17 Berry St	Other Industry	Yes	Completed	F
Granville	Caltex Service Station	144 Parramatta Rd	Service Station	Yes	In progress	B
Granville	Evans Deacon Ind	2B Factory St	Other Industry	No	Completed	C
Granville	Old Granville Depot	23 Elizabeth Street	Unclassified	yes	Completed	G
Greenacre	Caltex Service Station	77 Roberts Rd	Service Station	Yes	In progress	B
Greenacre	Former Plating Works	12 Claremont Street	Unclassified	No	Completed	G
Greenacre	Mobil Service Station	301-313 Hume Highway	Service Station	Yes	In progress	A
Grenfell	Former SRA Fuel Depot	Grafton Street	Other Petroleum	Yes	Completed	G
Grenfell	Grenfell Gasworks	Corner Gooloogong Road & Bourks Street	Gasworks	No	Completed	G
Greta		112-114 High Street	Other Industry	Yes	Completed	G
Greta	Former landfill	Hollingshed Road	Landfill	No	Completed	G
Greta	Shell Coles Express Service Station	122 New England Highway	Service Station	Yes	In Progress	E
Greystanes	Mobil Service Station	73 Ettalong Road	Service Station	Yes	In progress	B
Griffith	BP Service Station	81 Banna Avenue	Service Station	Yes	In progress	A
Griffith	Caltex Service Station	2-4 Mackay Ave	Service Station	Yes	In progress	B
Griffith	Caltex Service Station	32-34 Mackay Ave	Service Station	Yes	In progress	B
Griffith	Landmark Fertiliser Storage	2 - 8 Jensen Road	Chemical Industry	Yes	In progress	A
Griffith	Mobil Depot	30 Banna Avenue	Other Petroleum	Yes	In progress	A
Griffith	Mobil Depot	Griffith Airport	Other Petroleum	Yes	In progress	B

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Griffith	Murrumbidgee Irrigation Depot	55-77 Banna Avenue	Other Industry	yes	Completed	E G
Griffith	Shell Griffith CVRO	6-10 MacKay Avenue	Other Petroleum	Yes	In progress	A
Guildford	Rawson Road Service Station	2 Rawson Road	Service Station	Yes	In Progress	A
Guildford West	7 Eleven Service Station	176 Fowler Road	Service Station	Yes	In progress	B
Gulgong	Gulgong Depot (Reliance Petroleum)	Railway Street	Other Petroleum	Yes	In progress	A
Gulgong	The Oval Site	Queen Street	Unclassified	No	Completed	F
Gumly Gumly	Brick Kiln Reserve	Eunony Bridge Road	Landfill	yes	Completed	G
Gumly Gumly	Caltex Service Station	Sturt Hwy	Service Station	Yes	In progress	B
Gundagai	Mobil Depot	98 Mount Street	Other Petroleum	Yes	In Progress	E
Gunnedah	Adjacent to Service Station	Intersection of Henry and Conadilly Streets	Service Station	Yes	Completed	C
Gunnedah	BP Service Station	Corner Conadilly & Henry Streets	Service Station	Yes	Completed	C
Gunnedah	Caltex Service Station	21 Abbott St	Service Station	Yes	In progress	B
Gunnedah	Former Caltex Depot	Railway Ave	Other Petroleum	Yes	Completed	C
Gunnedah	Former Shell Depot	85-89 Barber Street	Other Petroleum	Yes	In Progress	A
Gunnedah	Former Telstra Line Depot	81 Barber Street	Other Petroleum	Yes	In Progress	B
Gunnedah	Mobil Gunnedah Depot	16-24 Wentworth Street	Other Petroleum	Yes	Completed	G
Gunnedah	Mobil Service Station	341 Conadilly Street	Service Station	Yes	Completed	C
Gunnedah	Sate Property Authority Site	35 -37 Abbott Street	Other Petroleum	Yes	In progress	A
Gunning	Shell Service Station	56 Yass Street	Service Station	No	In Progress	B
Guyra	Caltex Service Station	New England Hwy	Service Station	Yes	In progress	B
Guyra	StateRail land leased to Incitec	Starr Rd	Other Industry	Yes	Completed	G
Gwandalan	Former Gwandalan Landfill	Kanandra Drive	Landfill	Yes	In progress	A
Gwandalan	Gwandalan Auto Care	47 Orana Road	Service Station	Yes	In progress	A
Gymea	Mobil Gymea Service Station	110 Gymea Bay Road	Service Station	Yes	In Progress	A
Haberfield	Mobil Service Station	35 Parramatta Road	Service Station	Yes	In progress	B
Halekulani	Former Halekulani Landfill	Macleay Drive	Landfill	Yes	In progress	A
Hamilton	Caltex Service Station	59-63 Tudor St	Service Station	Yes	In progress	B

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Hamilton	Hamilton Gasworks	Clyde Street	Gasworks	No	Completed	C
Hamilton	Hamilton Bus Depot	Cnr Denison Street and Gordon Ave	Other Petroleum	Yes	In Progress	A
Hamilton	Newcastle Toyota	65 Tudor Street	Other Petroleum	Yes	In Progress	B
Hamilton	SRA Land	10 Maitland Road	Unclassified	Yes	Completed	G
Hamilton	Taxi Services	116 Tudor Street	Service Station	Yes	Completed	C G
Hamilton North	Black and Decker	56 Clyde Street	Metal Industry	No	Completed	C
Hamilton North	ELMA	54 Clyde Street	Other Industry	Yes	Completed	C
Hamilton North	Shell Newcastle Terminal	5 Chatham Street	Other Petroleum	Yes	In Progress	A
Harbord	Former Dry Cleaners	121 Wyndora Avenue	Other Industry	No	Completed	G
Harden	SRA Site	31 Aurvill Road	Unclassified	Yes	Completed	G
Harden	SRA Site	51 Whitton Lane	Unclassified	Yes	Completed	C G
Hartley Vale	Former Shale Oil Refinery	Lot 52 Hartley Vale Road	Unclassified	No	Completed	C
Hastings Point	Coles Express Hastings Point	99 Tweed Coast Road	Service Station	Yes	In progress	B
Hay	Former Shell Depot	391 Murray Street	Other Petroleum	yes	In Progress	A
Hay	Mobil Depot	Corner Murray and Lachlan Streets	Other Petroleum	Yes	In progress	A
Hay	SRA Land	429, 431, 435, 437 & 439 Murray St	Other Industry	Yes	Completed	G
Hay	SRA Land	443 Murray Street	Other Industry	Yes	Completed	C G
Hay South	Caltex Service Station	429-431 Moama Street	Service Station	Yes	In progress	B
Hazelbrook	Caltex Service Station	198 Great Western Highway	Service Station	Yes	In progress	B
Heathcote	Caltex Service Station	1344 Princes Highway	Service Station	Yes	In progress	B
Heathcote	Caltex Service Station	1403 Princes Hwy	Service Station	yes	Completed	G
Heathcote	Shell Coles Express Service Station	1355 Princes Highway	Service Station	Yes	Completed	E G
Heatherbrae	Caltex Service Station	118 Pacific Highway	Service Station	Yes	In progress	B
Hexham	BP Service Station	Corner Pacific Highway and Old Maitland Road	Service Station	Yes	In Progress	E
Hexham	Caltex Service Station	360 Old Maitland Rd	Service Station	Yes	In progress	B
Hexham	Caltex-Bogas Warehouse	239 Old Maitland Road	Service Station	Yes	In progress	B
Hexham	Cummins Newcastle	21 Galleghan Street	Other Industry	Yes	In progress	A

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Hexham	Cummins South Pacific Pty Ltd	21 Galleghan Street	Unclassified	Yes	In progress	A
Hexham	Forgacs Site	Sparke Street	Chemical Industry	No	Completed	C
Hexham	Industrial Galvanizers	312 Pacific Highway	Metal Industry	Yes	In Progress	A
Hexham	QR National - Hexham Precinct	179 & 3/67 Maitland Road	Other Industry	Yes	In progress	B
Hillston	BP Hillston Depot OPT	141-143 Cowper Street	Other Petroleum	Yes	In progress	A
Holbrook	Caltex Truckstop	Hume Hwy	Service Station	Yes	In progress	B
Homebush	Caltex Service Station	334-336 Parramatta Rd	Service Station	Yes	In progress	B
Homebush	Energy Australia Mason Park Substation	1 Underwood Road	Other Industry	Yes	In progress	B
Homebush Bay	WSN Auburn Waste and Recycling Centre	Corner Pondage Link and Hill Road	Landfill	Yes	In progress	B
Homebush West	Ford Landfill	Mandemar Avenue	Landfill	No	Completed	G
Hornsby	Coles Express Hornsby	196-200 Pacific Highway	Service Station	Yes	In progress	A
Hornsby	Shell Coles Express Hornsby	194- 206 Pacific Highway	Service Station	yes	Completed	C E
Hoxton Park	Endeavour Energy Hoxton Park	490 Hoxton Park Road	Other Industry	yes	Completed	G
Hunter Region	Chinchester Trunk Gravity Main	water pipeline	Other Industry	Yes	Completed	D
Hunters Hill	Coles Express Hunters Hill	4 Ryde Road	Service Station	Yes	Completed	G
Hunters Hill	Foreshore Land	Rear of 7, 9 & 11 Nelson Parade	Unclassified	Yes	Completed	C
Hunters Hill	Former Radium Factory	7-9 Nelson Parade	Other Industry	No	In Progress	A
Hurlstone Park	7 Eleven Hurlstone Park	670 New Canterbury Road Cnr Melford Street	Service Station	Yes	In progress	A
Hurlstone Park	Caltex Service Station	570 New Canterbury Rd	Service Station	Yes	In progress	B
Hurlstone Park	Former Telstra Depot	82 Canterbury Road	Service Station	Yes	Completed	G
Hurlstone Park	Speedway Fuel	610 - 618 New Canterbury Road	Service Station	No	Completed	C
Hurstville Grove	Moore Reserve	Morshead Drive	Landfill	Yes	Completed	C

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Inverell	Caltex Service Station	139-143 Otho Street	Service Station	Yes	In Progress	B
Inverell	Caltex Service Station	4 Edward St	Service Station	Yes	In progress	B
Inverell	Caltex Service Station	55-59 Ring St	Service Station	Yes	In progress	B
Inverell	Former Mobil Service Station	Corner Otho and Henderson Streets	Service Station	Yes	In progress	A
Inverell	Former Service Station	20 Oliver Street	Service Station	Yes	Completed	G
Inverell	Former Shell Depot	25 Edward Street	Other Petroleum	Yes	In Progress	E
Inverell	Mobil Depot	29-33 Edwards Street	Other Petroleum	Yes	In progress	B
Islington	Caltex Service Station	240 Maitland Rd	Service Station	Yes	In progress	B
Islington	Shell Pipeline Easement (vacant land)	24 Fern Street	Other Petroleum	Yes	In progress	A
Jamisontown	7 Eleven Service Station	92 Mulgoa Road	Service Station	Yes	Completed	C E
Jamisontown	BP Service Station	126 Mulgoa Road	Service Station	Yes	In Progress	E
Jannali	Former Mobil Service Station	121 Georges Road	Service Station	yes	Completed	G
Jennings	Former Arsenic Poison Factory	Duke, Manor and King Streets	Chemical Industry	No	Completed	F
Jesmond	Caltex Service Station	27 Bluegum Rd	Service Station	Yes	In progress	B
Jindabyne	BP Service Station	8 Kosciusko Road	Service Station	Yes	In progress	A
Jindabyne	Caltex Service Station	4-6 Kosciusko Rd	Service Station	Yes	In progress	B
Junee	Subdivision Proposal	5858 Gundagai Road	Unclassified	No	Completed	G
Kanahooka	Former Smelter Site	Kanahooka Road	Metal Industry	No	Completed	F
Kandos	Cement Australia Cement Manufacturing Facility	1 Jamieson Street	Other Industry	yes	In Progress	A
Kariong	Caltex Service Station	Lot 2 Langford Drive	Service Station	Yes	In progress	B
Kariong	Coles Express Kariong	6-8 Central Coast Highway	Service Station	Yes	In progress	A
Karuah	Mobil Service Station	401 Tarean Street	Service Station	Yes	In progress	B
Katoomba	Aldi Stores	201 Katoomba Street	Service Station	Yes	Completed	G
Katoomba	Former Katoomba/Leura Gasworks	Megalong Street	Gasworks	Yes	Completed	C
Kellyville	BP Service Station	19-21 Windsor Road	Service Station	Yes	In progress	A
Kellyville	Caltex Service Station	3-5 Windsor Rd	Service Station	Yes	In progress	B
Kellyville	Mobil Service Station	Windsor Road	Service Station	Yes	In progress	A
Kelso	BP Service Station	63 Sydney Road	Service Station	Yes	In progress	A

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Kelso	Caltex Service Station	17 Great Western Hwy	Service Station	Yes	In progress	B
Kembla Grange	ShawCor Australia	66 West Dapto Road	Other Petroleum	Yes	In progress	A
Kemblawarra	Griffins Bay, Lake Illawarra	Shellharbour Road	Landfill	No	Completed	G
Kemps Creek	Caltex Service Station	1163 Mamre Road	Service Station	Yes	In progress	B
Kempsey	Former Mobil depot	14 Hopetoun Street	Other Petroleum	No	Completed	G
Kempsey	Former Mobil Service Station	108-112 Smith Street	Service Station	Yes	In Progress	E
Kempsey	Former Shell Depot	43-51 Gladstone Street	Other Petroleum	Yes	In progress	A
Kempsey	Kempsey Showground	19 Sea Street	Unclassified	No	Completed	F
Kempsey	Mobil Depot	154 Belgrave Street	Service Station	No	Completed	G
Kempsey	Shell Coles Express Service Station	Corner Pacific Highway and Cochrane Street	Service Station	Yes	In Progress	B E
Kempsey South	Caltex Service Station	52 Lachlan St	Service Station	Yes	In progress	B
Kensington	Caltex Service Station	219a Anzac Pde	Service Station	Yes	In progress	B
Kensington	Footpath adjacent to 10-20 Anzac Parade	10-20 Anzac Parade	Service Station	yes	Completed	G
Kensington	Former Ampol Service Station	76-82 Anzac Pde	Service Station	No	Completed	F G
Kensington	Mobil Service Station	135 Anzac Parade	Service Station	yes	In Progress	A
Khancoban	Khancoban Tip	Alpine Way	Landfill	No	In Progress	A
Kiama	Former Gasworks	105 to 109 and 113 Shoalhaven Street	Gasworks	Yes	Completed	G
Kiama Heights	Former Mobil Service Station	9 South Kiama Drive	Service Station	Yes	In Progress	E
Killara	Former Caltex Service Station	692B-694 Pacific Highway	Service Station	Yes	Completed	C
Killara	Killara Garage	544 Pacific Highway	Service Station	yes	Completed	G
Killara	Land Adjacent to Former Service Station Site	684-684a, 690, 692 and 696 Pacific Highway	Service Station	Yes	Completed	C
Killara	Mobil Service Station	496 Pacific Highway	Service Station	Yes	In progress	B
Kings Park	Dow Corning	21 Tattersall Road	Chemical Industry	Yes	Completed	C
Kingsford	Caltex Service Station	603-611 Anzac Pde	Service Station	Yes	In progress	B
Kingsford	Shell Coles Express Service Station	48-56 Gardeners Road	Service Station	Yes	In progress	A

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Kingsgrove	Caltex Service Station	351-357 Stoney Creek Rd	Service Station	Yes	In progress	B
Kingsgrove	Shell Coles Express Service Station	137 Kingsgrove Road	Service Station	Yes	Completed	E G
Kingsgrove	State Transit Authority Depot	17-23 Richland Street	Other Petroleum	yes	Completed	E G
Kirrawee	Caltex Service Station Kirrawee	487 Princes Hwy	Service Station	Yes	In progress	B
Kirrawee	Coles Express Kirrawee	470 Princes Highway	Service Station	Yes	In progress	A
Kirrawee	Ingal Civil Products	127-141 Bath Road	Metal Industry	Yes	Completed	G
Kirrawee	Mobil Service Station	542 Princes Highway	Service Station	Yes	Completed	G
Kogarah	7-Eleven Service Station	736 Princes Highway	Service Station	Yes	Completed	G
Kogarah	Caltex Service Station	29 President Ave	Service Station	Yes	In progress	B
Kogarah	Scarborough Park South	Production Avenue	Landfill	Yes	Completed	H
Koolkhan	Former Koolkhan Power Station	Summerland Way	Unclassified	Yes	In progress	A
Kooragang	Kooragang Island (Eastern)	15 Greenleaf Road	Other Industry	Yes	In progress	A
Kooragang	NPC, berths 2 and 3	Heron Road	Metal Industry	Yes	Completed	H
Kooragang Island	Kooragang Island Waste Facillity	Lot 121 DP874949	Metal Industry	Yes	Completed	D
Kooragang Island	Orica	15 Greenleaf Road	Chemical Industry	Yes	Completed	C
Kooragang Island	Transpacific Technical Services	Raven Street	Unclassified	Yes	In Progress	B
Kooringal	Caltex Service Station	265-267 Lake Albert Rd	Service Station	Yes	In progress	B
Kosciuszko National Park	Khancoban Spoil Dump	Alpine Way	Landfill	No	Completed	G
Kosciuszko National Park	Sawpit Creek landfill	Off Kosciuszko Road, 13km from Jindabyne	Landfill	No	Completed	D G
Kurmond	BP Service Station	501 Bells Line of Road	Service Station	Yes	Completed	C
Kurnell	Abbott Australasia	Captain Cook Drive	Chemical Industry	Yes	Completed	C G
Kurnell	Caltex Refinery	Solander Street	Chemical Industry	No	Completed	C D

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Kurnell	Caltex Service Station	Captain Cook Drive Cnr Solander Rd	Service Station	Yes	In progress	B
Kurnell	Former Phillips Imperial Chemicals site	260 Captain Cook Drive	Chemical Industry	Yes	Completed	G
Kurri Kurri	Caltex Service Station	279-281 Lang Street	Service Station	No	Completed	C
Kurri Kurri	Kurri Kurri Smelter	Hart Road	Metal Industry	Yes	In progress	A
Kyogle	Caltex Service Station	26 Summerland Way	Service Station	Yes	In progress	B
Lake Haven	Caltex Service Station	Goobarabah Ave Cnr Gorokan Drive	Service Station	Yes	In progress	B
Lake Munmorah	Caltex Service Station	1135 Pacific Highway	Service Station	Yes	In progress	B
Lakemba	Caltex Service Station	81 Wangee Road	Service Station	Yes	In progress	B
Lakemba	Caltex Service Station	961-967 Canterbury Road	Service Station	No	Completed	G
Lakemba	Former Lakemba Police Station	59 Quigg Street	Unclassified	Yes	In progress	A
Lambton	Caltex Service Station	422 Newcastle Road	Service Station	Yes	In progress	B
Lane Cove	7 Eleven Service Station	203 Burns Bay Road	Service Station	yes	Completed	G
Lane Cove	BP Service Station	62 Epping Road	Service Station	Yes	In Progress	B
Lane Cove	Caltex Service Station	235-245 Burns Bay Rd	Service Station	Yes	In progress	B
Lane Cove	Coles Express Burns Bay	250 Burns Bay Road	Service Station	Yes	In progress	A
Lane Cove	Pacific Power	Sirius Road	Landfill	No	Completed	C G
Lane Cove North	Former Caltex Service Station	428-432 Mowbray Road	Service Station	No	Completed	C
Lansvale	Coles Express Lansvale	65 Hume Highway	Service Station	Yes	In progress	A
Lansvale	Mobil Service Station	161 Hume Hwy	Service Station	Yes	Completed	C
Lansvale	Mobil Service Station	44 Hume Highway	Service Station	Yes	Completed	G
Laurieton	Caltex Service Station	461 Ocean Drive	Service Station	Yes	In progress	B
Lavender Bay	SRA Land	French Street	Unclassified	Yes	Completed	G
Lavington	Caltex Service Station	373-375 Wagga Rd	Service Station	Yes	In progress	B
Lavington	Caltex Service Station	436 Wagga Rd	Service Station	Yes	In progress	B
Leeton	Caltex Service Station	1 Belah St	Service Station	Yes	In progress	B
Leeton	Former Fuel depot, leeton	2 Canal Road, 1-3 Short St and 9 Short Street	Other Petroleum	No	In Progress	B
Leeton	Former Mobil Depot	108 Calrose Street	Other Petroleum	Yes	In Progress	E

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Leeton	Incitec	1 Canal Road	Other Petroleum	Yes	In Progress	B
Leichhardt		7 Darley Road	Other Industry	Yes	In progress	A
Leichhardt	Bus Depot (Area E)	Cnr Balmain Rd and City West Link	Other Industry	Yes	In Progress	A
Leichhardt	RailCorp Leichhardt	7 Darley Road	Other Industry	Yes	Completed	G
Leichhardt	SRA Land	10-11 Balmain Road	Other Industry	Yes	Completed	C G
Lennox Head	Caltex Lennox Head	Byron St	Service Station	Yes	In Progress	B E
Lennox Head	Spoors Dip	13 Fig Tree Hill Drive	Cattle Dip	No	Completed	C G
Leppington	Coles Express Leppington	1443 Camden Valley Way	Service Station	yes	Completed	E G
Leumeah	Caltex Service Station	6 Rudd Rd	Service Station	Yes	In progress	B
Leura	Former Leura Garage	126-128 Leura Mall	Service Station	Yes	In Progress	B
Liddell	Liddell Power Station	New England Highway	Other Industry	Yes	In Progress	A
Lidsdale	Angus Place Colliery	Wolgan Road	Other Industry	Yes	In progress	A
Lightning Ridge	Caltex Service Station	Onyx St Cnr Morilla St	Service Station	Yes	In progress	B
Lightning Ridge	Former Ambulance Station	18 - 42 Pandora Street	Other Industry	Yes	Completed	G
Lilli Pilli	Caltex Service Station	477-481 Port Hacking Rd	Service Station	Yes	In progress	B
Lillian Rock	Former 'Peters Dip' Cattle Tick Dip Site	427 Lillian Rock Road	Cattle Dip	Yes	Completed	F G
Lindfield	Mobil Service Station	238 Pacific Highway	Service Station	Yes	In progress	B
Lisarow	Lisarow Recycling Site	902-909 Pacific Highway	Metal Industry	Yes	In progress	A
Lismore	Caltex Service Station	136 Woodlark St	Service Station	Yes	In progress	B
Lismore	Caltex Service Station	73-75 Dawson St	Service Station	Yes	In progress	B
Lismore	Coles Express Lismore Heights	426 Ballina Road	Service Station	yes	In Progress	B
Lismore	Former Mobil Depot	19-21 Elliot Street	Other Petroleum	Yes	In Progress	E
Lismore	Former Shell Depot	116 Wilson Street	Other Petroleum	Yes	In Progress	A
Lismore	Lismore Gasworks	Cnr John & Keen Streets	Gasworks	No	Completed	C
Lismore	Mobil Depot	28 Phyllis Street	Other Petroleum	Yes	In Progress	E
Lismore	Shell Coles Express Service Station	100 Dawson Street	Service Station	Yes	In progress	A
Lismore	SRA Land	Norco Lane	Unclassified	Yes	Completed	G
Lismore South	Caltex Service Station	237 Union St	Service Station	Yes	In progress	B
Lithgow	BP Service Station	1106 Great Western Highway	Service Station	Yes	In progress	A

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Lithgow	Caltex Lithgow (Quota Park)	Adjacent to 1131 Great Western Highway	Unclassified	Yes	Completed	G
Lithgow	Former Gasworks	Mort Street	Gasworks	No	Completed	G
Lithgow	Former Shell Depot	6 Gasworks Lane	Other Petroleum	Yes	In Progress	E
Lithgow	Lithgow Thales	4 Martini Parade	Metal Industry	No	Completed	C G
Lithgow	Mobil Depot	353 Main Street	Other Petroleum	Yes	In Progress	E
Liverpool	AC McGrath (Wholesale) Pty Ltd	20 Shepherd St (Cnr Atkinson St)	Other Industry	Yes	In progress	B
Liverpool	Car Park	4 - 6 Rose Street	Unclassified	Yes	In progress	A
Loftus	Freedom Fuel BP Service Station Loftus	127 Loftus Avenue	Service Station	Yes	In progress	B
Long Jetty	Caltex Service Station	431 The Entrance Road	Service Station	Yes	In progress	B
Long Jetty	Mobil Service Station	184-186 The Entrance Road	Service Station	Yes	In progress	B
Longueville	Caltex Service Station	5-7 Northwood Rd	Service Station	Yes	In progress	B
Lucas Heights	Harringtons Quarry	Little Forest Road	Landfill	No	Completed	C
Lucas Heights	IWC landfill	Little Forest Road	Landfill	No	Completed	C
Luddenham	Caltex Service Station	19 The Northern Rd	Service Station	Yes	In progress	B
Macdonaldtown	MacDonaldtown/ Eveleigh RailCorp	Burren Street	Gasworks	Yes	Completed	C F
Macksville	Caltex Service Station	Pacific Hwy	Service Station	Yes	In progress	B
Maclean	BP Service Station	3976 Pacific Highway	Service Station	Yes	In progress	A
MacLean	MacLean Outdoors	255 River Street	Service Station	Yes	In Progress	B
Macquarie Fields	Caltex Service Station	68 Harold St	Service Station	Yes	In progress	B
Macquarie Park	Waterloo Road	1 Waterloo Road	Other Petroleum	Yes	In Progress	A
Maitland	Energy Australia Green Street Depot	Green Street	Other Industry	Yes	In progress	B
Maitland	Former Service Station	Hannan Street and 516 High Street	Service Station	Yes	In Progress	B
Maitland	Maitland Gasworks	Charles Street	Gasworks	No	Completed	C
Maitland	Shell Coles Express Service Station	235 High Street	Service Station	Yes	In progress	A
Malabar	ANZAC Rifle Range former landfill	Franklin Street	Landfill	No	Completed	H

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Mandalong	Mandalong Mine	Mandalong Road	Other Industry	Yes	In progress	A
Manilla	Tamworth Regional Council Manilla Depot	73 River Street	Other Petroleum	Yes	In progress	B
Manly	Caltex Service Station	86 Pittwater Rd	Service Station	Yes	In progress	B
Manly	Former Little Manly Point Gasworks	End of Stuart St	Gasworks	Yes	Completed	G
Manly	Little Manly Point	Stuart Street	Gasworks	No	Completed	C G
Manly	St Patrick's Estate	151 Darley Road	Unclassified	No	Completed	F G
Manly Vale	Caltex Service Station	236-238 Condamine St	Service Station	Yes	In progress	B
Manly Vale	Former Landfill	Addiscombe Road	Landfill	No	Completed	C
Mannering Park	Mannering Park Mini Mart	70 Vales Raod	Service Station	Yes	In progress	B
Mannering Park	Parkview General Store (a former service station)	2 Vales Road	Service Station	Yes	In progress	B
Marayong	Mobil Service Station	173 Richmond Road	Service Station	Yes	In progress	B
Mardi	Former Mardi Landfill	70-90 McPherson Road	Landfill	yes	Completed	F
Marks Point	Former Mobil Depot	864 Pacific Highway	Other Petroleum	Yes	In Progress	E
Marks Point	Mobil Service Station	768-772 Pacific Highway	Service Station	Yes	Completed	C
Marrangaroo	Mobil Service Station	394-398 Great Western Highway	Service Station	Yes	In Progress	E
Marrickville	Cooks River Aqueduct	Thornley Street	Unclassified	Yes	Completed	C G
Marrickville	Former Mobil Service Station	384 Illawarra Road	Service Station	Yes	In Progress	A
Marrickville	Mackey Park	Cnr Richardsons Crescent and Carrington Road	Landfill	Yes	Completed	G
Marrickville	RailCorp	361 Victoria Rd	Other Industry	Yes	Completed	G
Marrickville	TRW Steering and Suspension	22-28 Carrington Rd	Other Industry	No	Completed	C G
Marsfield	Coles Express Marsfield	189 Epping Road	Service Station	Yes	In progress	B
Marulan	BP Service Station	Hume Highway (Northbound)	Service Station	Yes	In Progress	E
Marulan	BP Service Station	Hume Highway (Southbound Lane)	Service Station	yes	Completed	E F
Maryland	Caltex Service Station	41 Minmi Rd	Service Station	Yes	In progress	B
Maryville	Mobil Service Station	184-188 Hannell Street	Service Station	Yes	In progress	B
Mascot	Business Centre	5-9 Ricketty Street	Unclassified	Yes	In progress	A

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Mascot	Caltex Service Station	125 O'Riordan St	Service Station	Yes	In progress	B
Mascot	Former Mascot Galvanising	336-348 King Street	Metal Industry	No	Completed	C
Mascot	Former Zinc Smelter and Paint Manufacturing Facility	163 O'Riordan Street	Metal Industry	No	In Progress	B
Mascot	Ing Industrial Fund (unoccupied Land and General Parking)	19-33 Kent Road	Landfill	yes	Completed	F G
Mascot	Mascot Pioneer Plating	25-29 Ricketty St	Metal Industry	Yes	Completed	C
Mascot	Shell Service Station	746 Botany Rd	Service Station	Yes	Completed	C
Mascot	Sokol Corporation	50-56 Robey Street	Other Industry	Yes	Completed	G
Mascot	Telstra Exchange	904-922 Botany Rd	Other Industry	Yes	Completed	G
Matraville	7 Eleven Service Station	515 Bunnerong Road	Service Station	Yes	In progress	B
Matraville	Former Golden Fleece Terminal No1	133 -149 Beauchamp Road	Other Petroleum	Yes	Completed	C
Matraville	Former Golden Fleece Terminal No2	151 Beauchamp Road	Other Petroleum	Yes	Completed	C
Matraville	Former Rieco Incinerator	Kain Ave	Other Industry	Yes	Completed	F
Matraville	Orica Australia	16-20 Beauchamp Road	Chemical Industry	No	Completed	C D
Mayfield	Australian Tube Mills Newcastle Site	Industrial Drive	Metal Industry	Yes	In progress	B
Mayfield	BHP Closure Site (Hunter River Sediments)	ed Sediments of the Hunter River adjacent to Lot 221 DP1013964	Metal Industry	Yes	Completed	C D G
Mayfield	BHP Steel River	The Buffer Zone' extending directly adjacent to the Hunter River; near the Tourle Street Bridge	Metal Industry	Yes	Completed	C
Mayfield	BHPB Supply site	Industrial Drive	Metal Industry	Yes	Completed	C
Mayfield	Mobil Service Station	412-416 Maitland Road	Service Station	Yes	In progress	B
Mayfield	Newcastle Wire Mill	Ingall Street	Metal Industry	Yes	In progress	B
Mayfield	OneSteel (BHP)	Industrial Drive	Metal Industry	Yes	Completed	C D

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Mayfield	Shell Coles Express Service Station	63-69 Maud Street	Service Station	Yes	In Progress	E
Mayfield	Waratah Steel Mill	23 Frith Street	Metal Industry	Yes	Completed	G
Mayfield West	Koppers Coal Tar	East of Woodstock Street and Tourle Street	Other Industry	Yes	Completed	C
Mayfield West	Stevenson Park landfill.	2/559 Maitland Road	Landfill	Yes	Completed	F G
Mayfield West	Tourle Street Bridge Project	Tourle Street	Landfill	Yes	Completed	G
Mcdougall's Hill	Caltex Service Station	49 New England Highway	Service Station	Yes	In progress	B
Meadowbank	Former Council Works Depot	2 Parsonage Street	Unclassified	Yes	Completed	G
Menai	Caltex Service Station	Menai Rd Cnr Carter Rd	Service Station	Yes	In progress	B
Menai	Mobil Service Station	189-190 Menai Road	Service Station	Yes	In progress	B
Merewether	Merewether Childcare Centre	2/23 Caldwell Street	Unclassified	Yes	Completed	G
Merimbula	Caltex Service Station	19-25 Merimbula Dr	Service Station	Yes	In progress	B
Merimbula	Former Mobil Service Station	27 Market Street	Service Station	Yes	In progress	B
Merrylands	7 Eleven Service Station	295-297 Merrylands Road	Service Station	Yes	In progress	B
Merrylands	Caltex Merrylands	148 Woodville Rd	Service Station	yes	In Progress	A
Merrylands	Caltex Service Station	150 Woodville Rd	Service Station	Yes	In progress	B
Merrylands	Caltex Service Station	229 Woodville Rd	Service Station	Yes	In progress	B
Merrylands	Former Stockfeed Manufacturing Site	1-7 & 9-11 Neil Street	Other Petroleum	yes	Completed	G
Merrylands	Society of St Vincent de Paul	11-19 Centenary Road	Other Petroleum	Yes	In Progress	B
Merrylands West	Former Mobil Service Station	3 Centenary Road	Service Station	Yes	In progress	A
Miller	Caltex Service Station	86 Cartwright Ave	Service Station	Yes	In progress	B
Millers Point	Former AGL Gasworks	30 - 34 Hickson Rd	Gasworks	No	Completed	G
Millers Point	Former AGL Gasworks	36 Hickson Rd	Gasworks	No	Completed	C
Millers Point	Former AGL Gasworks	38 Hickson Rd	Gasworks	No	Completed	F
Millers Point	Former AGL Gasworks	Berths 5, 6 and 7 (already demolished) and part Hickson Road	Gasworks	No	Completed	C
Millers Point	Hickson Road Gasworks No1	Road reserve fronting 30-38 Hickson Road	Gasworks	No	Completed	C

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Millers Point	Port Services (moores) Facility	4 Towns Place	Other Petroleum	Yes	Completed	D
Milperra	Caltex Service Station	264 Milperra Rd	Service Station	Yes	In progress	B
Milperra	Heatcraft Australia Pty Ltd	286 Horsley Road	Other Industry	Yes	In Progress	A
Milperra	United Group Rail Pty Limited	373 Horsley Road	Landfill	Yes	Completed	G
Milton	Caltex Service Station	331 Princes Hwy	Service Station	Yes	In progress	B
Milton	Former Sanitary Depot	Slaughterhouse Road	Other Industry	Yes	Completed	G
Minchinbury	Mobil Service Station	815 Great Western Highway	Service Station	Yes	In progress	B
Minto	Former Endeavour Energy's Depot	Pembroke Road	Unclassified	yes	Completed	G
Minto	Former Integral Field Services Centre	Sark Grove and Pembroke Road	Other Petroleum	No	In Progress	D F G
Minto	Land adjacent to Former Shell depot	Airds Road and Essex Street	Other Petroleum	No	Completed	G
Minto	Shell Coles Express Service Station	73 Pembroke Street	Service Station	Yes	Completed	E G
Miranda	Woolworth's Service Station	455 Kingsway	Service Station	Yes	Completed	C
Mittagong	Caltex Service Station	65 Bowral Rd	Service Station	Yes	In progress	B
Mittagong	Lots 1 and 2 Alfred St.	Alfred Street	Other Petroleum	No	Completed	C G
Mittagong	Shell Coles Express Service Station	224 Old Hume Highway	Service Station	Yes	In Progress	E
Moama	Caltex Service Station	73 Meninya Street	Service Station	Yes	In progress	B
Molong	Cabonne BP Service Station	2 Gidley Street	Service Station	yes	Completed	C E
Molong	Former Gasworks	Hill Street	Gasworks	No	Completed	C
Mona Vale	BP Express Service Station	Corner Barrenjoey Road and Darley Street	Service Station	Yes	In Progress	E
Mona Vale	BP Service Station	1721 Pittwater Road	Service Station	Yes	In Progress	E
Mona Vale	Caltex Investigation Area	Polo Ave, Perak Street	Service Station	Yes	Completed	C
Mona Vale	Former Caltex service station and adjacent properties	79 Barrenjoey Road, 2 Polo Avenue, 6 Polo Avenue,	Service Station	Yes	Completed	C G
Mona Vale	Mobil Service Station	24 Barrenjoey Road	Service Station	Yes	In progress	B

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Mona Vale	Mona Vale Bus Depot	58 Darley Street	Other Petroleum	yes	In Progress	A
Mooball	Mooball General Store	5913 Tweed Valley Way	Service Station	No	In Progress	A
Moonbi	Caltex Service Station	New England Highway	Service Station	Yes	In progress	B
Moore Park	Area 2, Moore Park	Driver Avenue	Unclassified	yes	Completed	F
Moorebank	ABB Australia Pty Ltd	1 Bapaume Road	Other Industry	No	In Progress	A
Moorebank	ABB Australia Pty Ltd	1 Bapaume Road	Other Industry	No	Completed	C
Moorebank	Caltex Service Station	2 Bridges Rd	Service Station	Yes	In progress	B
Moorebank	Caltex Service Station	216 Newbridge Rd	Service Station	Yes	In progress	B
Moorebank	Joyce Foam Products	5-9 Bridges Road	Chemical Industry	Yes	Completed	G
Moorland	Caltex Service Station	99 Jericho Road	Service Station	yes	Completed	E G
Moree	BP Truckstop and Depot	Newell Highway	Other Petroleum	Yes	In Progress	E
Moree	Caltex Depot	Gosport Street	Other Petroleum	Yes	In Progress	A
Moree	Caltex Service Station	54 Alice St	Service Station	yes	In Progress	A
Moree	Former Freedom Service Station Site Moree	1 Dover Street	Service Station	yes	In Progress	A
Moree	Former Golden Fleece	Gosport St	Other Petroleum	No	Completed	C
Moree	Former Mobil Depot	Gosport Street	Other Petroleum	No	Completed	C
Moree	Former Shell Depot	Adelaide Street	Other Petroleum	Yes	Completed	C
Moree	Shell Coles Express Service Station	Corner Gwydir Street and Balo Street	Service Station	Yes	In Progress	A
Morisset	Railcorp Station Masters Cottage	24 Dora Street	Unclassified	Yes	Completed	G
Morpeth	Former Service Station	Swan Street	Service Station	No	Completed	F G
Morpeth	Telstra Cable Installation and RTA Bridge work	Northumberland Street	Other Petroleum	No	Completed	F G
Mortlake	Former AGL site	Tennyson Road	Gasworks	No	Completed	C G
Mortlake	Former Petroleum Storage Site	108-116 Tennyson Road	Other Petroleum	Yes	Completed	G
Mortlake	Kendall Bay Sediments		Gasworks	No	Completed	C
Moruya	Caltex Service Station	26 Campbell Street	Service Station	Yes	In progress	B
Moruya	Caltex Service Station	80-84 Campbell Street	Service Station	Yes	In progress	B

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Mosman	7 Eleven Mosman	162A Spit Road Cnr Mitchell Road	Service Station	Yes	In progress	A
Mosman	7 Eleven Mosman	45 Spit Road	Service Station	Yes	In progress	A
Mosman	BP Service Station	175 Ourimbah Road	Service Station	Yes	In Progress	E
Moss Vale	Moss Vale Refuelling Facility	Lackey Road	Other Petroleum	Yes	In progress	A
Moss Vale	Shell Service Station	579 Argyle Street	Service Station	Yes	In progress	B
Motto Farm	Shell Coles Express Service Station	430 Pacific Highway	Service Station	Yes	In progress	A
Mount Annan	Great Southern Railways Aqueduct	Off Narellan Road	Unclassified	Yes	Completed	G
Mount Colah	Caltex Service Station	603 Pacific Hwy	Service Station	Yes	In progress	B
Mount Druitt	BP Service Station	Corner Great Western Highway and Archibold Road	Service Station	Yes	In Progress	E
Mount Druitt	Mobil Service Station	17 Mount Street	Service Station	Yes	In progress	B
Mount Hutton	Woolworths Service Station	46 Wilsons Road	Service Station	Yes	In progress	A
Mount Pritchard	7 Eleven Service Station	352 Elizabeth Drive	Service Station	Yes	In progress	B
Mt Victoria	Caltex Service Station	36a Great Western Hwy	Service Station	Yes	In progress	B
Mt Victoria	Former Mobil Service Station	81 Great Western Highway	Service Station	Yes	In progress	B
Mudgee	BP Service Station	77 Church Street	Service Station	Yes	In progress	A
Mudgee	Caltex Former Depot		Other Petroleum	yes	In Progress	A
Mudgee	Caltex Service Station	114-116 Church St	Service Station	Yes	In progress	B
Mudgee	Country Energy Depot	29-31 Ingliss Street	Other Industry	yes	In Progress	B
Mudgee	Mobil Depot	Cnr Inglis & Douro Streets	Other Petroleum	Yes	Completed	C
Mudgee	Mudgee Gasworks	Mortimer Street and Court Street	Gasworks	No	Completed	F G
Mudgee	Shell Coles Express Service Station	47 Church Street	Service Station	Yes	In Progress	E
Mulgrave	Mobil Service Station	Corner Windsor Road and Mulgrave Road	Service Station	Yes	Completed	G
Mulwala	Mulwala ADI Explosives Factory	Bayly Street	Other Industry	Yes	Completed	F
Mungincoble	Caltex Service Station	Eugowra Rd	Service Station	Yes	In progress	B
Murwillumbah	Caltex Service Station	204 Tweed Valley Way	Service Station	Yes	In progress	B

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Murwillumbah	Caltex Service Station	32 Lundberg Drive	Service Station	Yes	In progress	B
Murwillumbah	Caltex Service Station	39-41 Lunderg Dr	Service Station	Yes	In progress	B
Murwillumbah	Former Mobil Depot	45 Wardrop Street	Other Petroleum	Yes	In progress	B
Murwillumbah	Former Norco Butter Factory	230 Tweed Valley Way	Other Petroleum	Yes	Completed	F
Murwillumbah	Murwillumbah Ambulance Depot	27 Queen St	Other Petroleum	Yes	Completed	G
Muswellbrook	Caltex Service Station	12-16 Sydney St	Service Station	Yes	In progress	B
Muswellbrook	Caltex Service Station	1-9 William St	Service Station	Yes	In progress	B
Muswellbrook	Caltex Service Station	47-50 Victoria Street	Service Station	Yes	In progress	B
Muswellbrook	Caltex Service Station	84-86 Maitland Road	Service Station	Yes	In progress	B
Muswellbrook	Former Gasworks	Cnr Carl St and Foley St	Gasworks	Yes	Completed	F G
Muswellbrook	Former Industrial Site	Lot 89 Strathmore St	Other Industry	Yes	Completed	G
Muswellbrook	Former Mobil Depot	43-51 Ford Street	Other Petroleum	Yes	In progress	A
Muswellbrook	Mobil Service Station	49-51 Maitland Street	Service Station	Yes	In progress	A
Muswellbrook	SRA Site	27 Brook Street	Unclassified	Yes	Completed	H
Muswellbrook	Woolworths Petrol	72 Brook Street	Service Station	Yes	In Progress	E
Nabiac	Caltex Service Station	Pacific Hwy Cnr Krambach Rd	Service Station	Yes	In progress	B
Nambucca Heads	Former Mobil Service Station	6 Bowra Street	Service Station	Yes	In Progress	E
Narellan	Caltex Service Station	31 The Northern Rd	Service Station	Yes	In progress	B
Narellan	Caltex Service Station	Narellan Rd Cnr Maxwell Pl	Service Station	Yes	In progress	B
Narellan	Former Landfill	1 Elyard St	Landfill	No	Completed	F G
Narellan	UPSS - Camden Council Narellan Works Depot	5 Millwood Avenue	Other Petroleum	Yes	In Progress	E
Narooma	Former Caltex - Narooma	82 Princes Highway	Service Station	yes	Completed	C
Narooma	Narooma Service Station	60 Princes Highway	Service Station	yes	In Progress	A
Narrabeen	7 Eleven Service Station	1234 Pittwater Road	Service Station	Yes	In progress	B
Narrabeen	Caltex Service Station	1509-1511 Pittwater Rd	Service Station	Yes	In progress	B
Narrabeen	Narrabeen Shotgun Range, Sydney Academy of Sport	Wakehurst Parkway	Unclassified	No	Completed	C
Narrabeen	Shell Coles Express Service Station	1418 Pittwater Road	Service Station	Yes	Completed	E G
Narrabri	Caltex Service Station	12 Reid St	Service Station	Yes	In progress	B
Narrabri	Caltex Service Station	13 Doyle Street	Service Station	No	Completed	G

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Narrabri	Caltex Service Station	31-35 Cooma Rd	Service Station	yes	Completed	G
Narrabri	Caltex Service Station	Anne St Cnr Dangar St	Service Station	Yes	In progress	B
Narrabri	Caltex Service Station	James St	Service Station	Yes	In progress	B
Narrabri	Cargill Soapstock Disposal Site	Westport Road	Unclassified	No	Completed	C G
Narrabri	Mobil Depot	46 Old Gunnedah Road	Other Petroleum	Yes	In Progress	E
Narrandera	Former Mobil Depot	5-7 Margaret Street	Other Petroleum	Yes	In progress	B
Narrandera	Mobil Depot	24 Whitton Street	Other Petroleum	Yes	In Progress	E
Narrandera	Mobil Service Station	Newell Highway	Service Station	Yes	In Progress	E
Narromine	Caltex Service Station	49 Burraway St	Service Station	Yes	In progress	B
Nelson Bay	Caltex Service Station	38 Stockton St	Service Station	Yes	In progress	B
Nelson Bay	Shell Coles Express Service Station	23 Stockton Street	Service Station	Yes	In Progress	E
Nemingha	Caltex Service Station	16 New England Hwy	Service Station	Yes	In progress	B
Neutral Bay	Caltex Service Station Rebuild Site	16-38 Military Road	Service Station	No	Completed	H
Neutral Bay	Shell Coles Express Service Station	200-204 Ben Boyd Road	Service Station	Yes	In Progress	E
New Lambton	BP Service Station	105 St James Road	Service Station	yes	Completed	E G
New Lambton	Caltex Service Station	148 Bridges Rd	Service Station	Yes	In progress	B
New Lambton	Mobil Service Station	291 Turton Road	Service Station	Yes	In progress	B
Newcastle	BHP Steelworks (Closure site)	Bound by Hunter River, Selwyn Street & Industrial Drive	Metal Industry	Yes	Completed	C
Newcastle	Newcastle Foreshore	40 Stevenson Place	Other Industry	Yes	Completed	G
Newcastle	Reclaimed Land	26-28 Honeysuckle Drive	Unclassified	Yes	Completed	C G
Newcastle	SRA Land	Scott Street	Gasworks	Yes	Completed	G
Newcastle West	Former Mobil Service Station	113 Parry Street	Service Station	Yes	Completed	G
Newport	Caltex Service Station	316-324 Barrenjoey Rd	Service Station	Yes	In progress	B
Newport	Mobil Service Station	307-311 Barrenjoey Road	Service Station	Yes	In progress	B
Newtown	Adjacent to Former Service Station	79 Wilson Street	Service Station	No	Completed	C
Newtown	Aluminium Enterprises	66 Brocks Lane	Metal Industry	Yes	Completed	F
Newtown	Caltex Service Station	26 Enmore Rd	Service Station	Yes	In progress	B

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Newtown	Former Service Station	81 Wilson Street	Service Station	No	Completed	C G
Noraville	Former Toukley Landfill	Wilfred Barrett Drive	Other Industry	Yes	In progress	A
North Bondi	Caltex Service Station	321 Old South Head Rd	Service Station	Yes	In progress	B
North Liverpool	Woolworths Caltex Service Station	59-67 Orange Grove Road	Service Station	Yes	In progress	A
North Narrabeen	7-Eleven Service Station	1501-1503 Pittwater Road	Service Station	Yes	Completed	G
North Richmond	Caltex Service Station	50 Bells Line Of Rd	Service Station	Yes	In progress	B
North Rocks	7 Eleven Service Station	340 North Rocks Road	Service Station	Yes	In progress	B
North Ryde	Caltex Service Station	41-43 Epping Rd	Service Station	Yes	In progress	B
North Strathfield	Budget Service Station	143 Concord Road	Service Station	No	Completed	G
North Sydney	HMAS Platypus Neutral Bay	High Street	Gasworks	No	Completed	C
North Sydney	Iora	1 Kiara Place	Gasworks	No	Completed	G
North Sydney	Neutral Bay Sediments	Adjacent to HMAS Platypus, 118 High Street	Gasworks	No	Completed	C
North Wollongong	Mobil Depot	122-126 Montague Street	Other Petroleum	Yes	In Progress	E
North Wyong	Wyong Bayer/Kemcon	16 Lucca Road	Chemical Industry	No	Completed	C G
Northmead	Caltex Service Station	98-100 Windsor Rd	Service Station	Yes	In progress	B
Northmead	Former Prestige Plastics	1C Redbank Road	Other Industry	No	In Progress	B F
Northmead	Mobil Service Station	56 Windsor Road	Service Station	Yes	In progress	B
Northmead	Shell Coles Express Service Station	197 Windsor Road	Service Station	Yes	In Progress	E
Nowra	Fire Station	69 Bridge Rd	Gasworks	Yes	Completed	G
Nowra	Former gasworks	Lamonds Lane	Gasworks	Yes	Completed	C
Nowra	Former Gasworks Managers Residence	24 Osborne Street	Gasworks	no	Completed	G
Nowra	Harry Sawkins Park	Bounded by Princes Hwy, Graham St & McGrath Avenue	Gasworks	No	Completed	G
Nowra	Historically Filled Land	70 Bridge Road	Unclassified	Yes	Completed	G
Nowra	Hollingsworth Scrap Yard	Jervis Street	Other Industry	No	Completed	G
Nowra	Service Station Cnr Berry and North St (now operated by Woolworths)	2 Berry St	Service Station	Yes	Completed	H

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Nowra	Shell Coles Express Service Station	55 Kinghorne Street	Service Station	Yes	In Progress	E
Nowra East	Mobil Service Station	Lot 3 Kalander Street	Service Station	Yes	Completed	C
Nowra South	Caltex Service Station	100 Princes Hwy	Service Station	Yes	In progress	B
Nyngan	Caltex Service Station	126 Pangee Street	Service Station	Yes	In progress	B
Nyngan	Caltex Service Station	39-41 Pangee Street	Service Station	Yes	In progress	B
Nyngan	Mobil Service Station	39-41 Pangee Street	Service Station	Yes	In progress	A
Oak Flats	Shellhabour City Works Depot	132 Industrial Road	Other Industry	Yes	In progress	A
Oaks Estate	Former Caltex Depot	20-30 Railway Street	Other Petroleum	Yes	Completed	G
Oberon	Caltex Service Station	Lowes Mount Road	Service Station	Yes	In progress	B
Oberon	CSR Ltd Property and King's Stockyard Creek	Off Endeavour Street	Other Industry	No	Completed	C
Oberon	Former Shell Depot	33 O'connell Road	Other Petroleum	Yes	In Progress	E
Oberon	Oberon Timber Complex	Lowes Mount Road	Other Industry	No	Completed	G
Ocean Shores	Former Ocean Shores Service Station	Pacific Highway	Service Station	No	Completed	G
Old Guildford	Caltex Service Station	640-644 Woodville Road	Service Station	Yes	In progress	B
Orange	BP Depot	197 Margaret Street	Other Petroleum	Yes	In Progress	A
Orange	BP Service Station	76 Paisley Street	Service Station	Yes	In progress	A
Orange	BP Service Station	81 Summer Street	Service Station	Yes	In progress	A
Orange	Caltex Service Station	184 Byng St	Service Station	Yes	In progress	B
Orange	Caltex Service Station	70-74 Summer St	Service Station	Yes	In progress	B
Orange	Former Mobil Service Station	168 Paisley Street	Service Station	Yes	In Progress	E
Orange	Former Mobil Service Station	24-28 Bathurst Road	Service Station	Yes	In Progress	E
Ourimbah	Palmdale Service Centre Pty Ltd	3130 Pacific Highway	Service Station	Yes	Completed	G
Ourimbah	Shell Coles Express Service Station	78-80 Pacific Highway	Service Station	Yes	In Progress	E
Oyster Bay	Shell Coles Express Service Station	20 Carvers Road	Service Station	Yes	Completed	C
Oyster Cove	Cove Marine Pty Ltd	60 Frederick Street	Unclassified	yes	Completed	D
Paddington	7 Eleven Service Station	59 Oxford Street	Service Station	yes	Completed	C

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Padstow	Caltex Service Station	115 Fairford Rd	Service Station	Yes	In progress	B
Padstow	Exide site	55 Bryant Street	Other Industry	Yes	Completed	C D
Padstow	Foseco Australia Pty Ltd	7 Stuart Street	Chemical Industry	Yes	In progress	A
Padstow	Galvatech site	49 Gow Street	Metal Industry	Yes	In Progress	D F
Padstow	Sebel Furniture	Parts 64 and 92 Gow Street	Other Industry	yes	In Progress	A
Pagewood	Former Email Site	Corner of Page and Holloway Streets	Other Industry	No	Completed	C
Pagewood	Shell Coles Express Service Station	299 Bunnerong Pde	Service Station	Yes	In Progress	E
Pambula	Offsite Area (roadways) Adjacent To Former Pambula Self Serve	Corner Quondola Street and Bullara Street	Service Station	yes	In Progress	A
Parkes	BP Service Station	339 Clarinda Street	Service Station	Yes	In progress	B
Parkes	BP Service Station	46 Clarinda Street	Service Station	Yes	In progress	B
Parkes	BP Truckstop	1 Forbes Road (Newell Highway)	Other Petroleum	yes	In Progress	B
Parkes	Caltex Service Station	352-360 Clarinda St	Service Station	Yes	In progress	B
Parklea	Caltex Service Station	1190 Old Windsor Rd Near Miami St	Service Station	Yes	In progress	B
Parramatta	BP Service Station	435 Church Street	Service Station	Yes	In progress	A
Parramatta	Coleman Oval Embankment	Cnr of Pitt and Maquarie St	Unclassified	Yes	Completed	G
Parramatta	Mobil Service Station	81 Victoria Road	Service Station	Yes	In progress	B
Paupong	Former Timber Treatment Plant	Off Paupong Road	Other Industry	No	Completed	G
Pendle Hill	7 Eleven Service Station	217 Wentworth Avenue	Service Station	Yes	In progress	B
Pendle Hill	Caltex Service Station	602-606 Great Western Hwy	Service Station	Yes	In progress	B
Penrith	7 Eleven Service Station	30 Henry Road	Service Station	Yes	In progress	B
Penrith	BP Express Service Station	Corner Coreen Avenue and Castlereagh Road	Service Station	Yes	In Progress	E
Penrith	Caltex Service Station	153 Coreen Ave	Service Station	Yes	In progress	B
Penrith	Caltex Service Station	229-231 Mulgoa Rd	Service Station	Yes	In progress	B
Penrith	Caltex Service Station	Castlereagh Rd Cnr Lugard St	Service Station	Yes	In progress	B

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Penrith	Crane Enfield Metals	Castlereagh Road	Metal Industry	No	Completed	C
Penrith	Former Mobil Depot	174 Coreen Avenue	Other Petroleum	yes	In Progress	A E
Penrith	Industrial Site	2101 Castlereagh Road	Other Industry	No	Completed	G
Penrith	Mobil Service Station	212-222 Andrews Road	Service Station	Yes	In progress	B
Penshurst	7 Eleven Service Station	612 Forest Road	Service Station	Yes	In progress	B
Penshurst	Caltex Service Station	641 King Georges Rd	Service Station	Yes	In progress	B
Perisher Valley	Perisher Ski Resort	Kosciusko Road	Other Petroleum	Yes	In Progress	E
Petersham	Fanny Durack Aquatic Centre	Station Street	Unclassified	Yes	In progress	A
Pheasants Nest	7-Eleven Service Station	Hume Highway (Southbound)	Service Station	Yes	In progress	B
Pheasants Nest	Mobil Service Station	Hume Highway (Northbound)	Service Station	Yes	In progress	B
Picton	Coles Express Picton	93-99 Argyle Street	Service Station	Yes	In progress	B
Picton	McDonalds	69 -71 Argyle Street	Service Station	Yes	In progress	A
Plumpton	Woolworths Caltex Service Station	Jersey Road	Service Station	Yes	In progress	A
Port Botany	Bunnerong Canal	Between Bumborah Point Road and Brotherson Dock	Unclassified	Yes	Completed	G
Port Botany	Caltex Banksmeadow	1 -3 Penrhyn Road	Chemical Industry	Yes	In progress	A
Port Botany	Port Botany Bus Depot	1 Bumborah Point Road	Other Petroleum	Yes	In Progress	E
Port Botany	Smith Bros	4 Bumborah Point Road	Other Petroleum	Yes	Completed	C D
Port Botany	Sydney Ports Bulk Liquids Berth	Charlotte Road	Other Petroleum	Yes	Completed	D
Port Botany	Sydney Ports Marine Services	Interterminal Access Road	Other Petroleum	Yes	Completed	F
Port Botany	Vopak Site B	20 Friendship Road	Other Petroleum	Yes	Completed	D
Port Botany	Vopak Terminals - Site A	49 Friendship Road	Other Petroleum	Yes	In progress	A
Port Botany	Vopak Terminals Site	45 Friendship Road	Other Petroleum	Yes	In progress	A
Port Botany	Vopak Terminals Site B	20 Friendship Road	Other Petroleum	Yes	In progress	A
Port Botany and Banksmeadow	Port Botany Railway Corridors	Friendship Road	Unclassified	Yes	In progress	A
Port Kembla	BHP Area 21	Springhill Road	Metal Industry	Yes	Completed	C D G
Port Kembla	Caltex Service Station	16 Flinders St	Service Station	Yes	In progress	B

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Port Kembla	Coates Hire	1 Flinders Street	Service Station	Yes	In progress	A
Port Kembla	Darcy Road Rail Sidings	Darcy Road	Other Industry	Yes	In progress	A
Port Kembla	Former Shell Depot	87-89 Flinders Street	Other Petroleum	Yes	In Progress	E
Port Kembla	Manildra Park	Flinders Street	Other Petroleum	Yes	Completed	C D
Port Kembla	No 2 Steelworks	Five Islands Road	Metal Industry	Yes	Completed	C D
Port Kembla	Port Kembla Copper Smelter	Military Road	Metal Industry	No	Completed	C D G
Port Kembla	Port Kembla Orica	Foreshore Road and Darcy Road	Other Industry	Yes	Completed	C D
Port Kembla	Port Kembla Steelworks - Steelhaven	Five Islands Road	Other Industry	Yes	In progress	A
Port Kembla	South Yard	Lot 3 Old Port Road	Unclassified	Yes	In progress	A
Port Macquarie	Caltex Service Station	100 Hastings River Dr	Service Station	Yes	In progress	B
Port Macquarie	Caltex Service Station	112-114 Gordon St	Service Station	Yes	In progress	B
Port Macquarie	Caltex Service Station	12-14 Bolwarra Rd	Service Station	Yes	In progress	B
Port Macquarie	Caltex Service Station	29 Lord St	Service Station	Yes	In progress	B
Port Macquarie	Car park	28 Hayward Street	Other Industry	Yes	Completed	G
Port Macquarie	Former Mobil Service Station	Corner Oxley Highway and Major Innes Drive	Service Station	Yes	In Progress	E
Port Macquarie	Mobil Depot	211 Lake Road	Other Petroleum	Yes	In Progress	E
Port Macquarie	Port Macquarie Airport	99 Boundary Street	Other Petroleum	Yes	In progress	A
Port Macquarie	Port Macquarie Council Depot	Koala Street	Unclassified	Yes	In progress	A
Port Macquarie	Shell Coles Express Service Station	121 Gordon Street	Service Station	Yes	In progress	A
Port Maquarie	Coles Myer	525 Oxley Highway	Service Station	No	Completed	F G
Port Stephens	Bob's Farm	15 Fenningham Island Road	Other Industry	Yes	Completed	G
Portland	Ivanhoe Colliery	Pipers Flat Road	Other Industry	Yes	In progress	A
Portland	Mt Piper Power Station	350 Boulder Road	Other Petroleum	Yes	In progress	B
Prairiewood	Caltex Service Station	485-487 Smithfield Rd	Service Station	Yes	In progress	B
Prospect	Mobil Service Station	354 Flushcombe Road	Service Station	Yes	In progress	B
Punchbowl	Caltex Service Station	1285-1289 Canterbury Rd	Service Station	Yes	In progress	B
Punchbowl	Former BP Service Station	1375 Corner Canterbury & Victoria Roads	Service Station	No	In Progress	A

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Putney		20 Waterview Street		Yes	In progress	A
Pymble	Caltex Service Station	1117 Pacific Hwy	Service Station	yes	Completed	G
Pymble	Former 3M site	950 Pacific Highway	Gasworks	yes	Completed	G
Pymble	Shell Coles Express Service Station	21 Ryde Road	Service Station	Yes	In Progress	E
Quakers Hill	Caltex Service Station	450 Quakers Hill Parkway	Service Station	Yes	In progress	B
Quakers Hill	Mobil Service Station	83 Lalor Road	Service Station	Yes	In Progress	E
Queanbeyan	Bill Lilley Automotive	169 Crawford Street	Service Station	Yes	In progress	B
Queanbeyan	BP Queanbeyan	50 Yass Road	Service Station	Yes	Completed	D G
Queanbeyan	Caltex Depot	5 Stephens Road	Service Station	Yes	In progress	B
Queanbeyan	Caltex Service Station	Bungendore Rd	Service Station	Yes	In progress	B
Queanbeyan	Caltex Service Station	Lanyon Dr Cnr Mccrae St	Service Station	Yes	In progress	B
Queanbeyan	Former Mobil Service Station	151-153 Uriarra Street	Service Station	yes	In Progress	A
Queanbeyan	Mobil Depot	109 High Street	Other Petroleum	Yes	In Progress	E
Queanbeyan	Woolworths Petrol	196 Crawford Street Cnr Morisset Street	Service Station	yes	In Progress	A
Quirindi	Caltex Service Station, Quirindi	199-201 George St	Service Station	yes	In Progress	B
Quirindi	Mobil Depot, Quirindi	4-6 Cross Street	Other Petroleum	yes	In Progress	A
Ramsgate	Shell Coles Express Service Station	Grand Parade cnr Ramsgate Road	Service Station	Yes	In Progress	B
Randwick	7 Eleven Service Station	128 Barker Street	Chemical Industry	Yes	In progress	A
Randwick	7 Eleven Service Station	128 Barker Street	Service Station	Yes	Completed	C
Randwick	Caltex Service Station	2 Alison Rd	Service Station	Yes	In progress	B
Randwick	Metro Petroleum	345 Avoca Street	Service Station	No	Completed	G
Ravensworth	Cumnock Colliery	Old New England Highway	Other Industry	Yes	In Progress	B
Ravensworth	Ravensworth Operations Narama Mine	Lemington Road	Other Industry	Yes	In progress	A
Raymond Terrace	Caltex Service Station	Cnr Adelaide & Glenelg Streets	Service Station	Yes	In progress	B
Raymond Terrace	Former Motor Registry	53 William Street	Other Petroleum	Yes	In progress	A
Raymond Terrace	Shell Coles Express Service Station	105 Pacific Highway	Service Station	Yes	In Progress	A

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Redfern	BP Service Station	116 Regent Street	Service Station	Yes	In Progress	E
Redfern	Former Printing Works	101a Marriott St	Other Industry	yes	Completed	G
Revesby	Bituminous Products	33-35 Violet Street	Chemical Industry	No	Completed	C
Revesby	Caltex Service Station	181 The River Rd	Service Station	Yes	In progress	B
Revesby	Dorf Clark Industries	184-194 Milperra Road	Metal Industry	No	Completed	G
Revesby	Mirotone	21 Marigold St	Chemical Industry	No	Completed	C
Rhodes	Former Allied Feeds site	Walker Street	Other Industry	No	Completed	C F
Rhodes	Former Glad factory site	10-16 Marquet Street	Chemical Industry	No	Completed	G
Rhodes	Former UCAL site	Walker Street	Chemical Industry	No	Completed	C F
Rhodes	Homebush Bay sediments adjoining former Berger Paint factory	Oulton Avenue	Chemical Industry	No	Completed	C
Rhodes	Homebush Bay Sediments adjoining the former UCAL and Allied Feeds sites		Chemical Industry	No	Completed	C
Richmond	Caltex Service Station	98 March St	Service Station	Yes	In progress	B
Riverstone	7 Eleven Service Station	55 Garfield Road	Service Station	Yes	In Progress	A
Riverwood	7-Eleven Service Station	30 Bonds Road	Service Station	Yes	In progress	B
Rockdale	7 Eleven Service Station	99 Railway Street	Service Station	Yes	In progress	B
Rockdale	Mobil Service Station	239 West Botany Street	Service Station	Yes	In progress	B
Rooty Hill	Mobil Service Station	1042 Great Western Highway	Service Station	Yes	In progress	B
Rooty Hill	Mobil Service Station	106 Rooty Hill Road South	Service Station	Yes	In progress	B
Rose Bay	Caltex Service Station	488 Old South Head Rd	Service Station	Yes	In progress	B
Rose Bay	Rose Bay Budget Service station	638 -646 New South Head Road	Service Station	yes	Completed	C
Rosebery	Autofoil P/L	2 Mentmore Ave	Other Industry	Yes	Completed	F G
Rosebery	Caltex Service Station	321 Gardeners Rd	Service Station	Yes	In progress	B
Rosebery	Rosebery Service Station	395 Gardeners Road	Service Station	No	Completed	C

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Rosehill	Camellia, Shell Clyde Refinery	9 Devon Street	Metal Industry	No	In Progress	B D
Rosehill	James Hardie	Devon Street	Other Industry	No	Completed	C
Rosehill	Shell Clyde Refinery	Durham St	Other Petroleum	No	In Progress	A
Roselands	Centro Roselands	Roselands Drive	Service Station	Yes	In progress	B
Roselands	Mobil Service Station	91 Canary's Road	Service Station	Yes	In progress	B
Roseville	Coles Express Roseville Chase	388 Eastern Valley Way	Service Station	Yes	In progress	A
Roseville	Mobil Service Station	2 Boundary Street	Service Station	Yes	Completed	G
Rozelle	BP Service Station	cnr Darling Street and Thornton Street	Service Station	Yes	In Progress	E
Rozelle	Caltex Service Station	121 Victoria Rd	Service Station	Yes	In progress	B
Rozelle	Kenards Rozelle	15-39 Wellington street	Other Petroleum	Yes	In progress	B
Rozelle	Mobil Service Station	178-180 Victoria Road	Service Station	Yes	In progress	B
Rozelle	White Bay Power Station	Robert Street	Other Industry	Yes	In progress	A
Rushcutter's Bay	d'Albora Marinas	1b New Beach Road	Other Industry	Yes	In Progress	A
Rutherford	Caltex Service Station	134-138 New England Hwy	Service Station	Yes	In progress	B
Rutherford	Rutherford Transpacific	11 Kyle Street	Other Industry	No	Completed	D G
Rutherford	Shell Coles Express Service Station, rutherford	118 New England Highway	Service Station	Yes	In Progress	A
Rutherford	Transpacific Industrial Services/Nationwide Oil Pty Ltd	99 Kyle Street	Chemical Industry	Yes	In progress	B
Rydalmere	BP Service Station	265 Victoria Road	Service Station	Yes	In progress	A
Rydalmere	Caltex Service Station	309 Victoria Rd	Service Station	Yes	In progress	B
Rydalmere	Former Mobil Service Station	262-272 Victoria Road	Service Station	yes	In Progress	A
Rydalmere	Hunter Douglas	Victoria Road	Chemical Industry	No	Completed	G
Rydalmere	Mitsubishi Electric	348 Victoria Road	Unclassified	yes	Completed	C
Rydalmere	Rheem Australia	1 Alan Street	Other Industry	Yes	Completed	C
Ryde	Caltex Service Station	110 Lane Cove Rd	Service Station	Yes	In progress	B
Ryde	Mobil Service Station	326-328 Blaxland Road	Service Station	Yes	In progress	B
Ryde	Shell Coles Express Ryde	45 Lane Cove Road	Service Station	Yes	In progress	A

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Sanctuary Point	United Service Station, Sanctuary Point	147 Larmer Avenue	Service Station	Yes	Completed	G
Sandgate		158 Old Maitland Road	Chemical Industry	Yes	In progress	A
Sandgate	Caltex Service Station	Pacific Hwy	Service Station	Yes	In progress	B
Sandgate	North Limited Storage Handling facility	Maitland Road	Other Industry	No	Completed	C G
Sans Souci	7 Eleven Ramsgate	368 Rocky Point Road	Service Station	yes	In Progress	A
Sans Souci	7-Eleven Service Station	474-478 Rocky Point Road	Service Station	Yes	In progress	B
Sans Souci	Former Service Station	542-544 Rocky Point Road	Service Station	No	In Progress	B F
Sans Souci	Kendall Street Reserve	Lawson Street and Kendall Street	Landfill	Yes	In Progress	B
Scone	BP - Former Depot	Scone, Guernsey & Susan Streets	Service Station	Yes	Completed	C
Scone	Mobil Scone Airport Elt	Walter Pye Avenue	Other Petroleum	Yes	In progress	B
Scone	Scone Works Depot	220 Susan Street	Other Petroleum	Yes	Completed	G
Scone	Shell Coles Express Service Station	91- 93 Kelly Street	Service Station	Yes	Completed	C
Seven Hills	Australia Post	3 Powers Road	Unclassified	Yes	Completed	G
Seven Hills	Australian Waste Oil Refineries	27 Powers Road	Other Industry	No	Completed	C
Seven Hills	Caltex Service Station	105 Station Rd	Service Station	Yes	In progress	B
Seven Hills	Caltex Service Station	38 Abbott Rd	Service Station	Yes	In progress	B
Seven Hills	Former BP Service Station	154-156 Prospect Highway	Service Station	Yes	In Progress	A
Seven Hills	Mobil Service Station	151 Prospect Highway	Service Station	Yes	In progress	B
Seven Hills	Transport Infrastructure Development Corporation	1 Powers Road	Other Industry	Yes	In progress	B
Shelly Beach	Former Shelley Beach Landfill	Oaks Avenue	Landfill	Yes	In progress	A
Shortland	BP Service Station	298-302 Sandgate Drive	Service Station	Yes	In progress	A
Shortland	Former Astra St landfill	1, 2 & 28 Astra Street	Landfill	Yes	Completed	C
Shortland	Former Lorna St landfill	8/475 Sandgate Road	Landfill	Yes	Completed	F G
Shortland	Tuxford Park landfill	10 King Street	Landfill	Yes	Completed	G

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Silverwater	Department of Corrective Services land adjacent to the former Auburn Landfill	Jamieson Street	Landfill	No	Completed	C G
Silverwater	Former Auburn Landfill	Jamieson Street	Landfill	No	Completed	C G
Silverwater	Silverwater Landfill	Carnarvon Road	Landfill	Yes	Completed	H
Silverwater	Vacant property	103-105 Silverwater Road	Other Industry	Yes	In progress	A
Silverwater	Wilson Park (Former oil gas plant site)	Holker Busway	Gasworks	No	Completed	C G
Singleton	BP Service Station	53 George Street	Other Petroleum	Yes	In progress	A
Singleton	Bulga Surface Operations	Broke Road	Other Industry	Yes	In progress	A
Singleton	Mobil Singleton Airport Elt	Range Road	Other Petroleum	Yes	In progress	B
Singleton	Putty Saw Mill	Putty Road via Singleton	Unclassified	No	Completed	C
Singleton	Shell Coles Express Service Station	69-73 George Street	Service Station	Yes	In Progress	E
Singleton	Singleton Gasworks	55-57 John Street	Gasworks	Yes	Completed	C
Smiggin Holes, Kosciuszko National Park	Smiggin Holes Snow Clearing Shed	Link Road	Landfill	Yes	Completed	G
Smithfield	Caltex Service Station	16-18 Tait Street	Service Station	Yes	In progress	B
Smithfield	Former Landfill	Little Street	Landfill	No	Completed	F
Smithfield	Freestones	1 Hume Road	Other Petroleum	Yes	In progress	A
Smithfield	Mobil Service Station	227 Smithfield Road	Service Station	Yes	In Progress	E
South Albury	BP Border Service Station	Corner Ebden Street and Wodonga Place	Service Station	yes	Completed	C E
South Bowenfels	Shell Coles Express Service Station	Lot 1 Great Western Highway	Service Station	Yes	In Progress	E
South Grafton	Mobil Service Station	Corner Pacific Highway and Charles Street	Service Station	Yes	In progress	A
South Lismore	Former Mobil Service Station	126 - 128 Union Street	Service Station	No	Completed	G
South Penrith	7-Eleven Service Station	45 Aspen Street	Service Station	Yes	Completed	G
South Wentworthville	Aldi Stores Development	331-339 Great Western Highway	Metal Industry	Yes	Completed	G
South Wentworthville	Caltex Service Station	313 Great Western Hwy	Service Station	Yes	In progress	B

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Springvale	Springvale Colliery	Castlereagh Highway	Unclassified	Yes	In progress	A
St Clair	Mobil Service Station	4 Endeavour Avenue	Service Station	Yes	In progress	B
St Ives	Caltex Service Station	164 Mona Vale Rd	Service Station	Yes	In progress	B
St Ives	Caltex Service Station	452 Mona Vale Road	Service Station	yes	Completed	G
St Ives	Mobil Service Station	157 Mona Vale Road	Service Station	Yes	In progress	B
St Ives	Shell Service Station	179-181 Mona Vale Road	Service Station	Yes	Completed	C
St Ives North	Caltex Service Station	363 Mona Vale Rd	Service Station	Yes	In progress	B
St Marys	BP Service Station	76 Glossop Street	Service Station	Yes	In Progress	E
St Marys	Caltex Service Station	Wordoo St Cnr Forrester St	Service Station	Yes	In progress	B
St Marys	Integral Energy Mt Druitt Transmission Substation	69 Kurrajong Road North	Other Industry	yes	Completed	G
St Marys	Mobil Service Station	2 Christie Street	Service Station	Yes	Completed	G
St Marys	Mobil Service Station	2 Wilson Street	Service Station	Yes	In progress	B
St Marys	Woolworths Caltex Service Station	116-118 Forrester Road	Service Station	Yes	In progress	A
St Peters	BP Express Service Station	2 Princes Highway	Service Station	Yes	In Progress	E
St Peters	Camdenville Park	May Street	Other Industry	Yes	Completed	G
St Peters	Cooks River Rail Terminal	20 Canal Road	Unclassified	Yes	Completed	G
St Peters	Former Tidyburn site	53 Barwon Park Road	Chemical Industry	No	Completed	C
Strathfield	Mobil Service Station	577 Liverpool Road	Service Station	Yes	In progress	B
Stroud	Caltex Service Station	Cowper St	Service Station	Yes	In progress	B
Suffolk Park	BP Service Station	207-209 Broken Head Road	Service Station	yes	In Progress	B
Suffolk Park	Suffolk Park dip site	Cnr Broken Head Rd & Beech Drive	Cattle Dip	Yes	Completed	G
Surry Hills	Legion Cabs (Trading) Cooperative	69 - 81 Foveaux Street	Service Station	No	In Progress	A
Surry Hills	Woolworths Caltex Service Station	475 Cleveland Street	Service Station	Yes	In progress	A
Sutherland	7 Eleven Service Station	693 Old Princes Highway	Service Station	Yes	In progress	B
Sutherland	United Service Station and Sutherland Reservoir	1 to 3 Oxford Street	Service Station	Yes	Completed	C

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Sutton Forest	Coles Express Sutton Forest West	Hume Highway	Service Station	Yes	In progress	A
Swansea	Caltex Service Station	126 Pacific Hwy	Service Station	Yes	In progress	B
Sydenham	SRA Land	117 Railway Pde	Other Industry	Yes	Completed	G
Sydenham	Sydenham XPT Maintenance Facility	Way Street	Other Industry	Yes	Completed	G
Sydney	Interpro House (OSP 46581)	447 Kent Street	Other Petroleum	Yes	Completed	G
Sydney Olympic Park	Aquatic Centre Carpark	Shane Gould Avenue	Landfill	No	Completed	C G
Sydney Olympic Park	Bicentennial Park	Bicentennial Drive	Landfill	No	Completed	C G
Sydney Olympic Park	Former Haslams Creek Landfill	Kronos Hill, Kevin Coombes Avenue	Landfill	No	Completed	C G
Sydney Olympic Park	Former State Sports Centre Landfill	Sarah Durack Avenue	Landfill	No	Completed	C G
Sydney Olympic Park	Haslams Creek South Area 3	Kronos Hill, Kevin Coombes Avenue	Landfill	No	Completed	C G
Sydney Olympic Park	Newington North Landfill	Woo-la-ra Hill Road	Landfill	No	Completed	C G
Sydney Olympic Park	RMS Western Precinct	14A-E and 16 Hill Road	Other Petroleum	Yes	In progress	A
Sylvania	Caltex Service Station	61 Port Hacking Rd	Service Station	Yes	Completed	F
Sylvania Heights	Caltex Service Station	414-416 Princes Hwy	Service Station	yes	Completed	C
Tahmoor	Tahmoor Colliery	Remembrance Drive	Other Industry	Yes	Completed	D
Talbingo	Former grit blasting site	Old Damsite Road	Other Industry	Yes	Completed	G
Talbingo	Old Town Landfill	Bridle Street	Landfill	Yes	Completed	G
Talbingo	T3 Spoil dump and adjoining river sediments	Off Snowy Mountains Highway	Landfill	Yes	Completed	C G
Tamworth	BP Tamworth Service Station and Depot	Gunnedah Road	Service Station	No	In Progress	A
Tamworth	Caltex Service Station	109 Gunnedah Road	Service Station	Yes	In progress	B
Tamworth	Caltex Service Station	21 White St	Service Station	Yes	In progress	B
Tamworth	Caltex Service Station	Kent St Cnr Kathleen St	Service Station	Yes	In progress	B
Tamworth	Curlew Crescent	19-29 Curlew Crescent	Metal Industry	Yes	Completed	G
Tamworth	Elovera Former Sheep Dip	730 Ascot Calala Road	Cattle Dip	yes	Completed	F
Tamworth	Former Mobil Service Station	373-375 Armidale Road	Service Station	yes	Completed	G

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Tamworth	Former Service Station Tamworth	253 Goonoo Goonoo Road (Cnr Scott Rd)	Service Station	yes	Completed	G
Tamworth	Housing NSW	29 -33 White Street	Other Petroleum	Yes	Completed	G
Tamworth	Kensell's Mitsubishi	11-14 Kable Avenue	Other Petroleum	Yes	Completed	G
Tamworth	Mobil Depot	9 Hinkler Road	Other Petroleum	Yes	In Progress	E
Tamworth (see Figure 1).	Coles Express Tamworth	251 to 253 Goonoo Goonoo Road	Service Station	yes	Completed	C E
Tamworth (see Figures 1 and 2)	Former Service Station, Tamworth	210 Goonoo Goonoo Road	Service Station	yes	In Progress	B
Tarcutta	Mobil Service Station	32 Sydney Street (Hume Highway)	Service Station	No	Completed	C E G
Taree	Caltex Depot & Service Station	12 Pitt St	Service Station	yes	In Progress	B
Taree	Caltex Service Station	44-46 Stevenson St	Service Station	Yes	In progress	B
Taree	Footpath in front of the former BP service station	53-55 Victoria Street	Service Station	Yes	Completed	G
Taree	Former BP Service Station	150 Manning River Drive	Service Station	Yes	In progress	A
Taree	Former Mobil Depot	Corner Muldoon Street and Grey Gum Road	Other Petroleum	Yes	In progress	A
Taree	Former Shell Depot	53-55 Stevenson Street	Other Petroleum	Yes	In progress	A
Taree South	Caltex Service Station	Cnr Manning River Dr & Glenthorne	Service Station	Yes	In progress	B
Taree West	Caltex Service Station	103 Commerce St	Service Station	Yes	In progress	B
Taren Point		46-50 Bay Road	Other Industry	Yes	Completed	G
Taren Point	Caltex Service Station	114 Taren Point Rd	Service Station	Yes	Completed	G
Taren Point	Former Oyster Farmer	1A Atkinson Road	Other Industry	Yes	Completed	G
Taren Point	Mangrove Lane Cycle pathway	Mangrove Lane	Unclassified	Yes	Completed	G
Taren Point	Oyster Farmer	98 Woodlands Rd	Other Industry	Yes	Completed	C
Taren Point	Shell Coles Express Service Station	102-108 Taren Point Road	Service Station	Yes	In Progress	E
Taren Point	Shell Coles Express Service Station	99-103 Parraweena Road	Service Station	Yes	In Progress	A

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Telarah	ACIRL	Junction Street	Other Industry	Yes	In progress	B
Tempe	Caltex Service Station	775 Princes Hwy	Service Station	Yes	In progress	B
Tempe	Former Tempe Tip	South Street	Landfill	No	Completed	C
Tempe	Railcorp Site Renwick Street	Renwick Street	Other Industry	yes	Completed	F G
Tempe	Tempe Depot	1a Gannon Street	Other Petroleum	Yes	Completed	G
Teralba	Lake Macquarie Teralba Sanitary Depot	Griffen Road	Landfill	No	Completed	G
Thirlmere	Thirlmere Rail Heritage Museum	Barbour Road	Other Industry	Yes	In progress	A
Thornleigh	Caltex Service Station	200-202 Pennant Hills Rd	Service Station	Yes	In progress	B
Thornleigh	Shell Coles Express Thornleigh	188 - 190 Pennant Hills Road	Service Station	Yes	In progress	A
Thornton	Energy Australia Thornton Pole Yard	55 Weakleys Drive	Other Industry	Yes	In progress	B
Tighes Hill	Former Ampol Depot	94 Elizabeth Street	Other Petroleum	No	Completed	H
Tighes Hill	Former Mobil Terminal	110 Elizabeth Street	Other Petroleum	yes	Completed	C
Tighes Hill	SRA Land	73 Elizabeth Street	Unclassified	Yes	Completed	G
Tocumwal	Mobil Depot	79-83 Deniliquin Road	Other Petroleum	Yes	In Progress	E
Tocumwal	Mobil Depot	Newell Highway (Murray Street)	Other Petroleum	Yes	In Progress	E
Tomago	Balcombe Sweat Furnace	26 Laverick Avenue	Metal Industry	No	Completed	G
Toongabbie	Mobil Service Station	3 Metella Road	Service Station	Yes	In progress	B
Toormina	Caltex Service Station	2 Minorca Pl	Service Station	Yes	In progress	B
Toronto	BP Express Service Station	132 Cary Sreet	Service Station	Yes	In Progress	E
Toronto	Caltex Service Station	147 Cary Street	Service Station	Yes	In progress	B
Toronto	Mobil Service Station	133-137 Cary Street	Service Station	Yes	In progress	B
Toronto	Toronto Hotel	74 Victory Parade	Unclassified	Yes	Completed	G
Toukley	Mobil Service Station	287 Main Road	Service Station	Yes	In Progress	E
Toukley	Toukley Autoport	Cnr Main Street and Yaralla Road	Service Station	No	In Progress	A
Trangie	Caltex Service Station	76 Narromine Street (Mitchell Hwy)	Service Station	Yes	In progress	B
Trial Bay	Former Caltex depot	Phillip Drive	Other Petroleum	No	Completed	H
Trial Bay	Former Shell depot	Phillip Drive	Other Petroleum	No	Completed	G

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Tuggerah	BP Tuggerah	100 Pacific Hwy	Service Station	Yes	In progress	A
Tumbarumba	Caltex Service Station	150 Albury St	Service Station	Yes	In progress	B
Tumbi Umbi	Former Tumbi Landfill	140 Bellevue Road	Other Industry	Yes	In progress	A
Tumut	CSR Blue Dam	Jepsen Avenue	Other Industry	Yes	Completed	H
Tumut	CSR Railway cutting	Jepsen Avenue	Unclassified	Yes	Completed	H
Tumut	Telstra Depot	26 Carey Street	Other Industry	Yes	In Progress	B
Turramurra	Former Mobil Service Station	1243 Pacific Highway	Service Station	Yes	In Progress	E
Turramurra	Mobil Service Station	1408 Pacific Highway	Service Station	Yes	In progress	B
Turrella	Tulloch Australia Pty Limited	61 Turrella Street	Chemical Industry	Yes	Completed	C D
Tweed Heads	Former Mobi Quix Service Station	60 Pacific Highway	Service Station	No	Completed	C F
Tweed Heads South	Former BP Depot	142 Minjungbal Drive	Other Petroleum	Yes	Completed	G
Tweed Heads South	Shell Service Station	Corner Minjungbal Dr and Heffron St	Service Station	No	In Progress	B
Tweed Heads South	Woolworths plus petrol	98 - 102 Pacific Highway	Service Station	yes	In Progress	A
Tweed Heads West	Caltex Service Station	96 to 98 Kennedy Drive	Service Station	Yes	Completed	H
Ulan	Ulan Coal Mine	3600 Ulan Road	Other Industry	Yes	In progress	A
Ulladulla	Caltex Service Station	Princes Hwy Cnr Deering St	Service Station	Yes	In progress	B
Ulladulla	Coles Express Ulladulla	153 Princes Highway	Service Station	Yes	In progress	A
Ulladulla	Woolworths Petrol Station	155-157 Princes Highway	Service Station	Yes	In progress	A
Ulmarra	UPSS Riverview Service Station	29 Pacific Highway	Service Station	Yes	In progress	A
Ultimo	Shell Coles Express Service Station	387-429 Wattle Street	Service Station	Yes	In progress	A
Unanderra	BlueScope Steel Unanderra	13 Marley Street	Metal Industry	Yes	In progress	A
Unanderra	Caltex Service Station	86-98 Princes Hwy	Service Station	Yes	In progress	B
Unanderra	Integral Energy Springhill Transmission Substation	195 Five Island Road	Other Industry	Yes	In progress	B
Unanderra	Prime Service Station and adjoining lands	45-49 Princes Highway	Service Station	Yes	Completed	C G
Unanderra	Unanderra Weekend Detention Centre	34-40 Lady Penryhn Drive	Landfill	Yes	In progress	A

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Unanderra	Veolia Environmental Services	9 Waynote Place	Other Industry	Yes	Completed	D
Undercliffe	Wolli Creek aqueduct	Unwin Street	Unclassified	Yes	Completed	G
Uralla	Caltex Service Station	103 Bridge Street	Service Station	Yes	In progress	B
Uralla	Phoenix Foundry	44 Duke St	Metal Industry	Yes	In progress	B
Urunga	Former Antimony Process plant	Hillside Drive	Chemical Industry	No	Completed	C
Valentine	BP Express Service Station	855 Macquarie Drive	Service Station	Yes	In Progress	E
Valentine	Valentine Public School	Tallawalla Road	Unclassified	Yes	Completed	G
Villawood	Former Defence Site	29 Biloela St	Landfill	No	Completed	G
Villawood	Former Electrical Component Manufacturer	66 Christina Road	Other Industry	Yes	Completed	C
Villawood	Former Orica Crop Care	2 Christina Road	Chemical Industry	Yes	Completed	C D
Villawood	Former Siemens/Westinghouse	49 Miowera Road	Other Industry	No	Completed	C G
Villawood	PPG Industries	9 Birmingham Avenue	Chemical Industry	yes	In Progress	A
Villawood	Toll Properties	110A Christina Road	Other Industry	Yes	Completed	H
Vineyard	Shell Coles Express Service Station	731 Windsor Road	Service Station	Yes	Completed	E G
Vineyard	Woolworths Petrol	Windsor Road (Corner of Melbourne Street)	Service Station	Yes	In Progress	E
Wagga Wagga	Ashmont Autoport	Cnr Tobruk and Bardia Streets	Service Station	No	Completed	G
Wagga Wagga	BP Service Station	31 Bourke Street	Service Station	Yes	In progress	A
Wagga Wagga	Caltex Service Station	170 Fitzmaurice St	Service Station	Yes	In progress	B
Wagga Wagga	Caltex Service Station	60 Lake Albert Dr	Service Station	Yes	In progress	B
Wagga Wagga	Caltex Service Station	6876 Olympic Hwy (Uranquinty Rd)	Service Station	Yes	In progress	B
Wagga Wagga	Caltex Service Station	Docker St Cnr Edward St	Service Station	Yes	In progress	B
Wagga Wagga	Caltex Service Station	Sturt Hwy	Service Station	Yes	In progress	B
Wagga Wagga	Coles Express Wagga Wagga	357-359 Edward Street	Service Station	yes	In Progress	B

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Wagga Wagga	Former Gasworks	54 Chaston Street	Gasworks	Yes	Completed	C G
Wagga Wagga	Former Gasworks	Cnr Tarcutta and Cross Streets	Gasworks	Yes	Completed	C
Wagga Wagga	Former Iron Foundry	212-230 Hammond Street	Metal Industry	No	Completed	G
Wagga Wagga	Former Mobil Depot	Corner Bimbeen and Coleman Street	Other Petroleum	Yes	In progress	A
Wagga Wagga	Former Shell Depot	11-15 Lake Albert Road	Other Petroleum	Yes	In Progress	A
Wagga Wagga	Mobil Service Station	106 Edward Street	Service Station	Yes	In progress	A
Wagga Wagga	Mobil Service Station	7 Lake Albert Road	Service Station	Yes	In Progress	E
Wagga Wagga	Wiradjuri landfill	Narrung Street	Landfill	Yes	In Progress	A
Wahroonga	Coles Express Wahroonga	1601 Pacific Highway	Service Station	Yes	In progress	B
Wahroonga	Mobil Service Station	1579 Pacific Highway	Service Station	Yes	In progress	B
Waitara	Caltex Service Station	59-61 Pacific Hwy	Service Station	Yes	In progress	B
Walgett	Former Shell Depot	Castlereagh Highway	Other Petroleum	yes	In Progress	B
Wallerawang	Delta Electricity	1 Main Street	Other Petroleum	yes	In Progress	A
Wallerawang	Lidsdale Coal Loading Facility	Main Street	Other Industry	Yes	In progress	A
Wallsend	Coles Express Wallsend East	15 Thomas Street	Service Station	Yes	In progress	A
Wallsend	OneSteel Recycling	64-80 Sandgate Road	Metal Industry	yes	Completed	F
Wamberal	Caltex Service Station	654 The Entrance Road	Service Station	Yes	In progress	A
Wangi Wangi	Myuna Colliery	Wangi Point Road	Other Industry	Yes	In progress	A
Waratah	Waratah Area Health	Turton Road	Unclassified	Yes	Completed	G
Warilla	Woolworths Petrol Warilla	43 -57 Shellharbour Road	Service Station	Yes	In progress	B
Warkworth	Emulsion Plant, Dyno Nobel Asia Pacific Pty Ltd	186 Long Point Road	Service Station	Yes	In Progress	B
Warkworth	United Collieries	134 Jerry Plain Road	Other Industry	Yes	In progress	A
Warners Bay	Caltex Service Station	55 King St	Service Station	Yes	In progress	B
Warners Bay	Historically Filled Land	41-43 Charles Street	Unclassified	Yes	Completed	F G
Warners Bay	Mobil Service Station	393 Hillsborough Road	Service Station	Yes	In progress	B
Warnervale	Former Timber Treatment Plant	Aldenham and Railway Roads	Other Industry	No	Completed	C G
Warrawong	Caltex Service Station	75-77 King St	Service Station	Yes	In progress	B
Warren	Caltex Service Station	1 Coonamble Road	Service Station	Yes	In progress	B

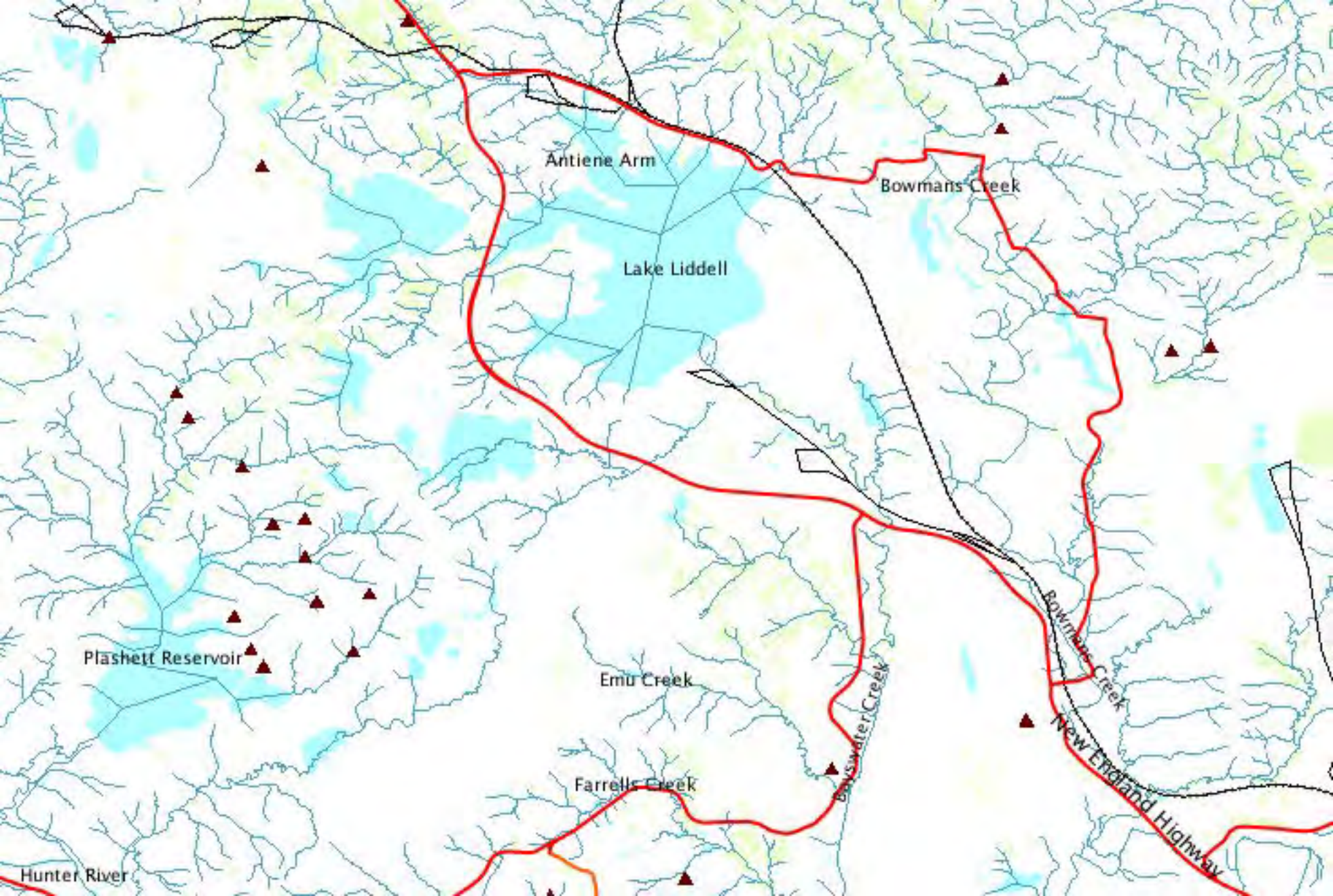
Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Warren	Former Mobil Warren Depot	16 Dubbo Street	Other Petroleum	Yes	Completed	C
Warren	Former Shell Depot	8 Dubbo Street	Other Petroleum	Yes	Completed	H
Waterloo	Lawrence Dry Cleaners	887-893 Bourke Street	Unclassified	Yes	Completed	C
Waterloo	Proposed Construction Site	2 John Street	Other Industry	Yes	Completed	G
Waterloo	Shell Coles Express Service Station	867-877 South Dowling Street	Service Station	Yes	Completed	E G
Waterloo	Waverley Woollahra Process Plant	355 Botany Road	Other Industry	Yes	Completed	G
Wauchope	Former Shell Depot	56-64 High Street	Other Petroleum	Yes	In Progress	E
Wauchope	Lot 11	Blackbutt Drive		Yes	In progress	B
Wauchope	Shell Coles Express Service Station	64 High Street	Service Station	Yes	In Progress	A
Wauchope	Wauchope Service Station	57 High Street	Service Station	Yes	Completed	F G
Waverton	Berry's Bay Woodley's Marina	1 Balls Head Drive	Other Industry	No	Completed	D
Waverton	Oyster Cove AGL	2 King Street	Gasworks	No	Completed	C G
Waverton	SRA Land	95 Bay Road	Unclassified	Yes	Completed	C G
Wellington	Caltex Service Station	124-128 Lee St	Service Station	Yes	In progress	B
Wentworth Falls	Bodington Hospital	Bodington Drive	Unclassified	Yes	Completed	C G
Wentworth Point	RMS Eastern Precinct	3-7 Burroway Road	Other Petroleum	Yes	In progress	A
Wentworthville	Former Workshop	2 Rawson Rd and 8 Barfil Cres	Unclassified	No	Completed	G
Wenworth	Caltex - Wenthworth	110 Adams Street	Service Station	Yes	In progress	B
Werrington	7 Eleven Werrington	Lot 122 Dunheved Road	Service Station	Yes	In progress	A
Werrington	Caltex Service Station	Cnr Dunheved Rd and Henry Lawson Dr	Service Station	Yes	In progress	B
Werrington	Claremont Meadows Former landfill	Gipps Street	Landfill	Yes	Completed	F G
West Ballina	Caltex Big Prawn Service Station	Pacific Highway	Service Station	No	Completed	C G
West Gosford	Caltex Service Station	69-71 Pacific Highway	Service Station	Yes	In progress	B
West Nelligen	Hughes	Old Bolaro Road	Unclassified	Yes	Completed	C G

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
West Nelligen	McCauley	1398 Kings Highway and adjoining land on Old Bolaro Mountain Road	Unclassified	Yes	Completed	C
West Nowra	Integral Energy Nowra Field Service Centre	20 Depot Road	Other Industry	Yes	In progress	B
West Pennant Hills	Mobil Service Station	552 Pennant Hills Road	Service Station	Yes	In progress	B
West Ryde	Mobil Service Station	917 Victoria Road	Service Station	Yes	In progress	B
West Ryde	Pfizer Australia Pty Ltd	38-42 Wharf Road	Other Industry	Yes	In progress	B
West Ryde	Reckitt Benckiser	44 Wharf Road	Other Petroleum	Yes	In progress	A
West Tamworth	Woolworths Petrol	119 Bridge Street	Service Station	Yes	In progress	A
West Wyalong	Caltex Service Station	Lot 1-3 Showground Rd (Wyalong By-pass Rd)	Service Station	Yes	In progress	B
West Wyalong	Caltex Service Station	Mid Western Hwy Cnr Emu Street	Service Station	Yes	In progress	B
West Wyalong	Mobil Depot	Town Bypass Road	Other Petroleum	Yes	In Progress	E
West Wyalong	West Wyalong Depot (Reliance Petroleum)	96 Railway Road	Other Petroleum	Yes	In progress	A
Weston	Illegal Dumping Site	Corner Kline & First Streets	Unclassified	Yes	Completed	F G
Wetherill Park	BOC Sydney Operations Centre	428-440 Victoria Street	Other Industry	Yes	Completed	G
Wetherill Park	Camide Former Landfill.	Newton Road	Landfill	No	Completed	G
Wetherill Park	Former Fuel Storage Depot	200-212 Cowpasture Road	Other Petroleum	yes	Completed	F G
Wetherill Park	Nationwide Oil Pty Ltd/transpacific Industrial Services	6 Davis Road	Other Industry	Yes	In progress	B
Wetherill Park	Shell Coles Express Service Station	565 Polding Street	Service Station	Yes	In Progress	E
Wickham		10 Dangar Street	Unclassified	Yes	Completed	G
Wickham	(Australasia) Pty Ltd	2 Holland Street	Other Industry	Yes	In progress	A
Wickham	Caltex Terminal	156 Hannel Street	Other Petroleum	Yes	In progress	B
Wickham	Former Factory	57 Annie Street	Other Industry	No	Completed	F
Wickham	Railcorp Wickham	50 Railway Street	Other Industry	Yes	In progress	A
Wilberforce	Former Drum Reconditioners	12-14 Box Avenue	Other Industry	No	Completed	C G

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Wilberforce	Former Solvent Recycling Site	13 Box Avenue	Chemical Industry	No	Completed	F G
Williamtown	Hunter Land	38 Cabbage Tree Road	Unclassified	Yes	In progress	A
Willoughby	Caltex Service Station	157 Penhurst St	Service Station	No	Completed	G
Willoughby	Shell Coles Express Service Station	616-626 Willoughby Road	Service Station	Yes	Completed	E G
Willoughby	Willoughby Bus Depot	Corner Ann and Stan Streets	Other Industry	Yes	In progress	B
Wilton	Condell Park Homestead	Condell Park Road	Unclassified	Yes	Completed	G
Windang	Caltex Service Station	244-248 Windang Rd	Service Station	Yes	In progress	B
Windsor	Caltex Service Station	48-50 Mileham St	Service Station	Yes	In progress	B
Windsor	Former Caltex Service Station	46-52 Macquarie St	Service Station	No	Completed	G
Windsor	Woolworths Service Station	Cnr Macquarie & Baker streets	Service Station	Yes	Completed	G
Wingham	Bogas Service Station	Cnr Primrose and Isabella Streets	Service Station	Yes	In Progress	B
Wingham	Caltex Service Station	52 Wingham Rd	Service Station	Yes	In progress	B
Winmalee	Mobil Service Station	281 Hawkesbury Road	Service Station	Yes	In progress	A
Wirlinga	Former Liquid Waste Disposal Facility	704 Riverina Road	Unclassified	No	In Progress	A
Wollongong	Former Wollongong Gasworks	120 and 122 Smith Street	Gasworks	yes	In Progress	A
Wollongong	Greenhouse Park	Springhill Road	Landfill	Yes	Completed	G
Wollongong	Redevelopment site	39 Beatson Street	Other Petroleum	No	In Progress	A
Wollongong	Wollongong Harbour Central Spur	via Endeavour Drive	Other Petroleum	Yes	In progress	B
Wollongong North	Caltex Service Station	9 Flinders St	Service Station	Yes	In progress	B
Woodburn	Caltex Service Station	129 River St	Service Station	Yes	In progress	B
Woolgoolga	Caltex Service Station	16-18 Bosworth Rd	Service Station	Yes	In progress	B
Woolgoolga	Shell Coles Express Service Station	57 Pacific Highway	Service Station	Yes	In Progress	E
Woolgoolga	United Petroleum	56 Clarence Street	Service Station	Yes	In progress	A
Woollahra	Caltex Service Station	116 Old South Head Rd	Service Station	yes	Completed	C
Woollahra	Former Service Station	20 Wallis Street	Service Station	Yes	Completed	F G

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Woollahra	Proposed Jewish Care Centre	7 -21 Saber Street	Unclassified	Yes	Completed	G
Woolloomooloo	Former BP Service Station	2 Dowley Street	Service Station	No	Completed	F
Woolooware	Caltex Service Station	100 Woolooware Rd	Service Station	Yes	In progress	B
Woongarrah	Former Warnervale Landfill	236-264 Hakone Road	Landfill	Yes	In progress	A
Wootton	Former Chemical Spill Site	11859 Pacific Highway	Chemical Industry	Yes	Completed	G
Woy Woy	Barry Robertson Holden	231 Blackwall Road	Service Station	Yes	Completed	F G
Woy Woy	Bogas Service Station	66 Memorial Ave	Service Station	Yes	Completed	C
Woy Woy	Mobil Former Woy Woy Service Station and adjacent land	177-181 Blackwall Road	Service Station	Yes	Completed	C
Wyoming	Caltex Service Station	465 Pacific Hwy	Service Station	Yes	In progress	B
Wyong	Caltex Service Station	F3 North Bound Freeway	Service Station	Yes	In progress	B
Wyong	Caltex Service Station	F3 South Bound Freeway	Service Station	Yes	In progress	B
Yagoona	BP Truckstop	155-159 Rookwood Road	Service Station	Yes	In Progress	E
Yagoona	Galvanising Services	117-153 Rookwood Road	Metal Industry	Yes	Completed	C D
Yagoona	Mobil Service Station	519 Hume Highway	Service Station	Yes	In progress	B
Yagoona	Shell Coles Express Service Station	112 Rookwood Road	Service Station	Yes	In progress	A
Yallah	Tallawarra Lands	Yallah Bay Road	Other Industry	yes	Completed	G
Yallah	Tallawarra Power Station site	Princes Highway	Unclassified	No	Completed	C D G
Yamba	Caltex Service Station	22 Treelands Dr	Service Station	Yes	In progress	B
Yanco	Former Service Station	14 Main Avenue	Service Station	No	Completed	C G
Yass	Caltex Service Station	1715 Yass Valley Way	Service Station	Yes	In progress	B
Yass	Caltex Service Station	228 Comur Street	Service Station	Yes	In progress	B
Yass	Former Gasworks	Dutton Street	Gasworks	Yes	Completed	C
Yass	Mobil Service Station	54-58 Laidlaw Street	Service Station	No	Completed	C
Yennora	Alcoa Australia Rolled Products (Area 3)	1 Kiora Crescent	Metal Industry	yes	In Progress	A
Yennora	Caltex Service Station	137-141 Fairfield St	Service Station	Yes	In progress	B
Yennora	Former Metal Plant	44 Larra Street	Metal Industry	No	Completed	C G

Suburb/City	Site Description	Site Address	Activity that caused the contamination	s60 Form Received	EPA Initial Assessment	EPA Management Class
Yennora	Spicer Axle Australia Manufacturing Facility	205-231 Fairfield Road	Other Industry	yes	Completed	G
Yennora	TetraPak Site	6 Foray Street	Other Industry	Yes	Completed	C
Yetholme	Yetholme CCA Timber Treatment Plant	351 Eusdale Road	Other Industry	Yes	Completed	C G
Young	Adjacent to former battery recycler	47 Nasmyth Street	Metal Industry	No	Completed	C
Young	Caltex Service Station	95 Lovell St	Service Station	Yes	In progress	B
Young	Former battery recycler	45 Nasmyth Street	Metal Industry	No	Completed	C
Young	Former Mobil Service Station	149 Lovell Street	Service Station	Yes	In Progress	E
Young	Former Shell Depot	166 Nasmyth Street	Other Petroleum	yes	In Progress	A
Young	Mobil Depot	186 Nasmyth Street	Other Petroleum	Yes	Completed	C
Zetland	Energy Australia Zetland Depot	122 - 138 Joynton Avenue	Other Industry	Yes	In progress	B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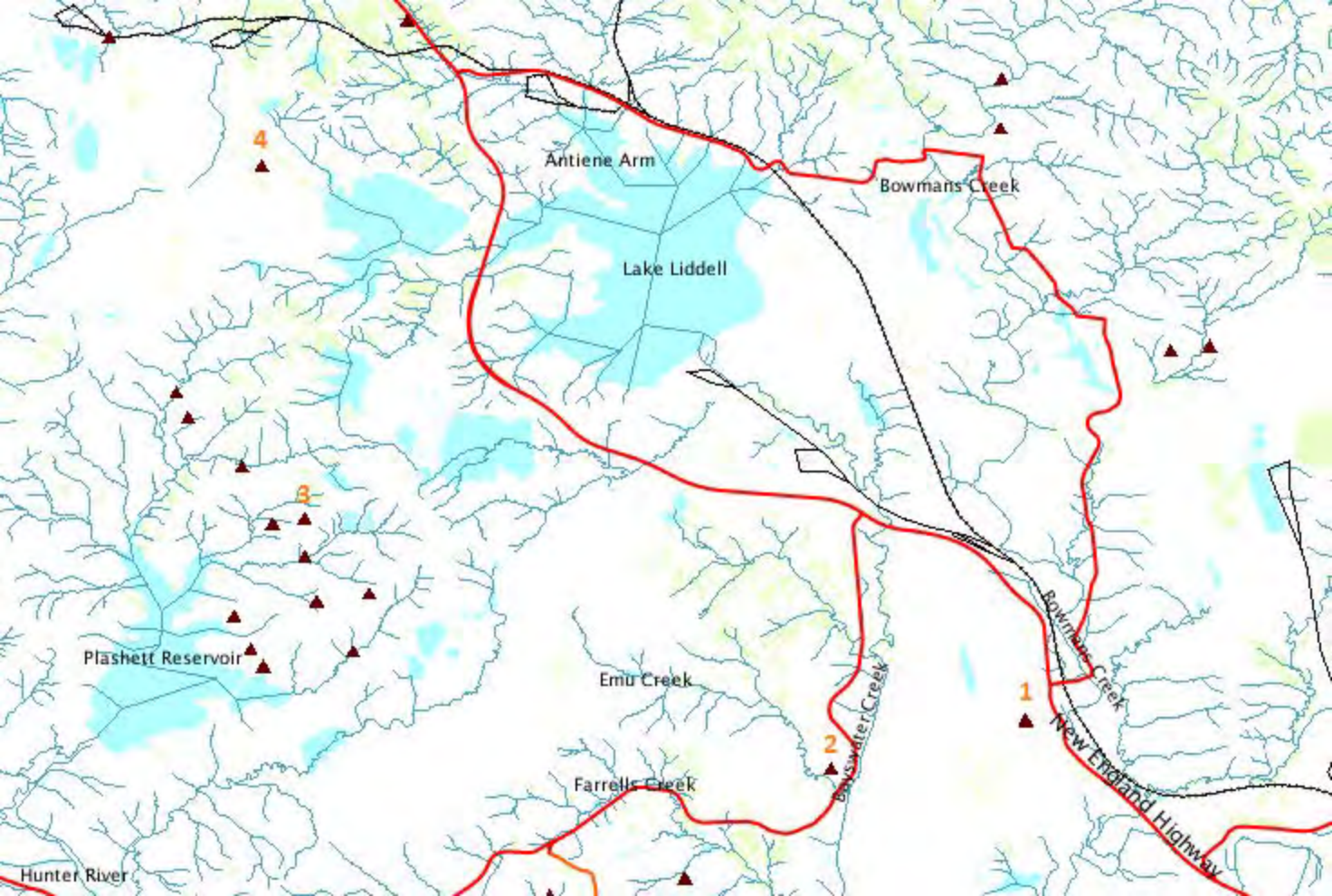
Emu Creek
Bowmans Creek
New England Highway
Farrells Creek
Hunter River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Emu Creek
Bowmans Creek
1
New England Highway
2
Boys Water Creek
Farrells Creek
Hunter River

NSW SOIL AND LAND INFORMATION SYSTEM

Soil Essentials Report

Site Location:	MACULATA PIT, FE08, RAVENSWORTH MINE
Map Reference:	MGA Grid Reference : Easting 316799, Northing 6408318 CAMBERWELL (9133) 1:100,000 sheet
Profile Details:	COALMINE REHABILITATION SURVEY Survey, Profile 1, collected by Phillip Ryan on June 17, 1991
Physiography:	hillcrest on shale,unconsolidated,sandstone-lithic,organic material lithology and used for hardwood plantation . profile is mod. well drained , erosion hazard is slight , and no salting evident
Soil Type:	No suitable group (GSG)
Profile Field Notes:	Field experiment no8. Pit excavated on west side below a spotted gum. Root distribution measurment. Planted 1986 on rehabilitated spoil, top-dressed with B horizon material.

Soil Description:

Layer 1 00.00 - 00.03 m A1 Horizon	sandy clay loam with massive structure (earthy) , common (10-25/10x10cm) roots (<1mm) , common (10-25/10x10cm) roots (1-2mm) , common (10-25/10x10cm) roots (2-5mm) , few (1-2/10x10 cm) roots (>5mm) , field pH is 6 . Coarse fragments are as parent material , coarse gravel (20-60 mm) , pans are not evident . Segregations are not evident , not evident . Layer notes are: Topdressing layer, stockpiled B horizon. ; wavy clear (20-50 mm) boundary to...
Layer 2 00.03 - 00.20 m B2 Horizon	sandy clay with massive structure (earthy) , few (1-10/10x10cm) roots (<1mm) , few (1-10/10x10cm) roots (1-2mm) , common (10-25/10x10cm) roots (2-5mm) , few (1-2/10x10 cm) roots (>5mm) , field pH is 6.5 . Coarse fragments are as parent material , coarse gravel (20-60 mm) , pans are not evident . Segregations are not evident , not evident . Layer notes are: Topdressing layer, stockpiled B horizon. ; smooth sharp (<5 mm) boundary to...
Layer 3 00.20 - 00.70 m F1 Horizon	clay with massive structure (earthy) , common (10-25/10x10cm) roots (<1mm) , common (10-25/10x10cm) roots (1-2mm) , none roots (2-5mm) , none roots (>5mm) , field pH is 9 . Coarse fragments are as substrate , cobbles (60-200 mm) , pans are not evident . Segregations are not evident , not evident . Layer notes are: Overburden Layer moist munsell given as 2.5Y 2/0. Sand fraction is fine. ; smooth gradual (50-100 mm) boundary to...
Layer 4 00.70 - 01.35 m F2 Horizon	(earthy) , few (1-10/10x10cm) roots (<1mm) , few (1-10/10x10cm) roots (1-2mm) , none roots (2-5mm) , none roots (>5mm) , field pH is 9 . Coarse fragments are as substrate , cobbles (60-200 mm) , pans are continuous , massive , densipan . Segregations are not evident , not evident . Layer notes are: Overburden Layer moist munsell given as 2.5 3/0. ; smooth clear (20-50 mm) boundary to...
Layer 5 01.35 -	(earthy) , few (1-10/10x10cm) roots (<1mm) , few (1-10/10x10cm) roots (1-2mm) , none roots (2-5mm) , none roots (>5mm) , field pH is 9 . Coarse fragments are as

02.00 m F3 Horizon	substrate , cobbles (60-200 mm) , pans are continuous , massive , densipan . Segregations are not evident , not evident . Layer notes are: Overburden Layer moist munsell given as 2.5 4/0.

Laboratory Test Data:

Upper Bound	Lower Bound	% Clay	USCS	PH	EC	OC	Bray P	P Sorbt	Exch Al	Exch Ca	Exch K	Exch Mg	Exch Na

For information on laboratory test data and units of measure, please see the SPADE Help page

NSW SOIL AND LAND INFORMATION SYSTEM

Soil Essentials Report

Site Location:	CLEARED SITE NEAR EMU CREEK
Map Reference:	MGA Grid Reference : Easting 313805, Northing 6407389 CAMBERWELL (9133) 1:100,000 sheet
Profile Details:	UPPER HUNTER VALLEY SOIL SURVEY Survey, Profile 7, collected by Kate McCann on October 01, 1983
Physiography:	footslope in low hills on shale lithology . elevation 75 m , aspect south .
Soil Type:	Db2.31 (PPF)
Profile Field Notes:	This site (shale) and sites (conglomerate) are fairly typical of thearea the Killarney Land System.

Soil Description:

Layer 1 00.00 - 00.10 m A1 Horizon	silty loam with weak pedality (crumb) , field pH is 5.5 ; abrupt (5-20 mm) boundary to...
Layer 2 00.10 - 00.13 m A2 conspicuously bleached Horizon	sandy clay loam with massive structure field pH is 5.5 ; abrupt (5-20 mm) boundary to...
Layer 3 00.13 - 00.20 m B1 Horizon	clay with moderate pedality few (1-10/10x10cm) roots (<1mm) ; gradual (50-100 mm) boundary to...
Layer 4 00.20 - 00.60 m B12 Horizon	clay with moderate pedality field pH is 7 ; gradual (50-100 mm) boundary to...
Layer 5 00.60 - 00.70 m B2 Horizon	clay with moderate pedality field pH is 7.5 . Layer notes are: More yellow with depth.

Laboratory Test Data:

Upper Bound	Lower Bound	% Clay	USCS	PH	EC	OC	Bray P	P Sorbt	Exch Al	Exch Ca	Exch K	Exch Mg	Exch Na

For information on laboratory test data and units of measure, please see the SPADE Help page

NSW SOIL AND LAND INFORMATION SYSTEM

Soil Essentials Report

Site Location:

Map Reference:	MGA Grid Reference : Easting 305593, Northing 6411789 MUSWELLBROOK (9033) 1:100,000 sheet
Profile Details:	PLASHETT EM SURVEY Survey, Profile 5, collected by Robert Banks on September 26, 1995
Physiography:	footslope on sedimentary lithology .
Soil Type:	Solodic Soil (GSG)
Profile Field Notes:	EM 38 readings VERT = 55 mS/m HORI = 49 mS/m Site located using GPS with ground station accurate to 2 m

Soil Description:

Layer 1 00.00 - 00.25 m A1 Horizon	silty clay with massive structure (earthy) , field pH is 6.5 ; abrupt (5-20 mm) boundary to...
Layer 2 00.25 - 00.35 m A2 Horizon	silty clay with massive structure (earthy) , field pH is 6.5 ; clear (20-50 mm) boundary to...
Layer 3 00.35 - 00.45 m 2A1 Horizon	silty clay with massive structure (earthy) , field pH is 6.5 ; clear (20-50 mm) boundary to...
Layer 4 00.45 - 00.65 m 2A2 conspicuously bleached Horizon	silty clay loam with massive structure (earthy) , field pH is 6.5 ; clear (20-50 mm) boundary to...
Layer 5 00.65 - 00.80 m B1 Horizon	clay with moderate pedality (20 - 50 mm , smooth-faced peds) , field pH is 7 ; clear (20-50 mm) boundary to...
Layer 6 00.80 - 01.30 m B2 Horizon	clay with moderate pedality (20 - 50 mm , smooth-faced peds) , field pH is 9

Laboratory Test Data:

Upper Bound	Lower Bound	% Clay	USCS	PH	EC	OC	Bray P	P Sorbt	Exch Al	Exch Ca	Exch K	Exch Mg	Exch Na
00.00	00.25												
00.25	00.35												
00.80	01.30												
00.45	00.65												
00.65	00.80												
00.35	00.45												

For information on laboratory test data and units of measure, please see the SPADE Help page

SALIS Soil Essentials Report To contact us email:soils@dnr.nsw.gov.au Wed Aug 14 16:56:32 EST 2013

NSW SOIL AND LAND INFORMATION SYSTEM

Soil Essentials Report

Site Location:	PIT 3 PROFILE DR01, MU-ID1891,DRAYTONS
Map Reference:	MGA Grid Reference : Easting 304806, Northing 6418191 MUSWELLBROOK (9033) 1:100,000 sheet
Profile Details:	COALMINE REHABILITATION SURVEY Survey, Profile 6, collected by Phillip Ryan on November 03, 1992
Physiography:	hillcrest in low hills on sandstone-lithic,conglomerate lithology and used for hardwood plantation . Slope 4 % (measured) , aspect east . profile is imperfectly drained , erosion hazard is moderate , and no salting evident
Soil Type:	Solodized Solonetz (GSG) , Dy3.33 (PPF)
Profile Field Notes:	Root excavation at Draytons colliery E.macculata pit. Profile is between planting rows. Conglomerate substrate isa thin layer over lying sandstone

Soil Description:

Layer 0	
Layer 1 00.00 - 00.04 m A1 Horizon	sandy clay loam with weak pedality (5 - 10 mm , rough-faced peds) , common (10-25/10x10cm) roots (<1mm) , few (1-10/10x10cm) roots (1-2mm) , none roots (2-5mm) , none roots (>5mm) , field pH is 6 . Coarse fragments are as substrate , coarse gravel (20-60 mm) , pans are not evident . Segregations are not evident , not evident ; abrupt (5-20 mm) boundary to...
Layer 2 00.04 - 00.09 m A2 sporadically bleached Horizon	sandy clay loam with massive structure (earthy) , common (10-25/10x10cm) roots (<1mm) , few (1-10/10x10cm) roots (1-2mm) , none roots (2-5mm) , none roots (>5mm) , field pH is 6.5 , pans are not evident . Segregations are not evident , not evident ; broken sharp (<5 mm) boundary to...
Layer 3 00.09 - 00.30 m B21 silicate clay Horizon	clay
Layer 4 00.30 - 00.50 m B22 silicate clay Horizon	clay with weak pedality (sub-angular blocky 50 - 100 mm , smooth-faced peds) , few (1-10/10x10cm) roots (<1mm) , none roots (1-2mm) , none roots (2-5mm) , none roots (>5mm) , field pH is 9.5 . Coarse fragments are quartz , gravel (6-20 mm) , pans are not evident . Segregations are not evident , not evident ; wavy gradual (50-100 mm) boundary to...
Layer 5 00.50 - 00.72 m	clay with weak pedality (angular blocky 10 - 20 mm , smooth-faced peds) , few (1-10/10x10cm) roots (<1mm) , none roots (1-2mm) , none roots (2-5mm) , none roots (>5mm) , field pH is 10 . Coarse fragments are as substrate , gravel (6-20

B3 Horizon	mm),coarse gravel (20-60 mm) , pans are not evident . Segregations are not evident , not evident ; irregular clear (20-50 mm) boundary to...

Laboratory Test Data:

Upper Bound	Lower Bound	% Clay	USCS	PH	EC	OC	Bray P	P Sorbt	Exch Al	Exch Ca	Exch K	Exch Mg	Exch Na

For information on laboratory test data and units of measure, please see the SPADE Help page

SALIS Soil Essentials Report To contact us email:soils@dnr.nsw.gov.au Wed Aug 14 17:03:58 EST 2013

Muswellbrook Local Environmental Plan 2009

muswellbrook shire council

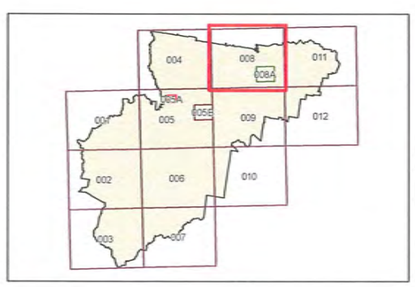
Land Zoning Map - Sheet LZN_008

Zone

- B2 Local Centre
- E1 National Parks and Nature Reserves
- E3 Environmental Management
- IN1 General Industrial
- IN2 Light Industrial
- R1 General Residential
- R5 Large Lot Residential
- RE1 Public Recreation
- RE2 Private Recreation
- RU1 Primary Production
- RU3 Forestry
- RU5 Village
- SP2 Infrastructure
- W1 Natural Waterways

Cadastre

Cadastre 20/09/2010 © Land and Property Information (LPI)



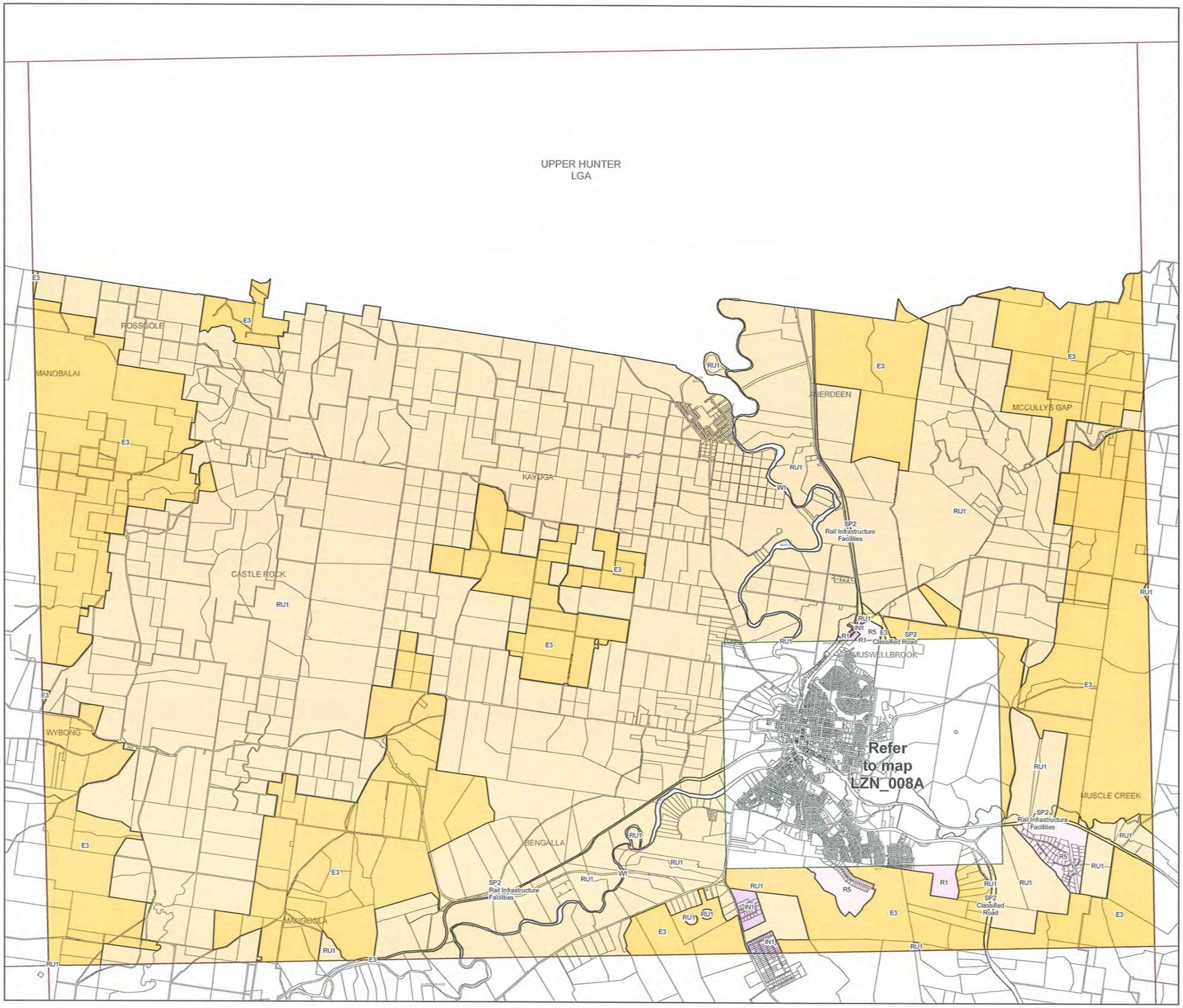
N

0 750 1,500 3,000 Metres

Scale: 80,000 @ A3

Projection: GDA 1994
MGA Zone 56

Map identification number: 5650_COM_LZN_008_080_20120328



Muswellbrook Local Environmental Plan 2009

muswellbrook shire council

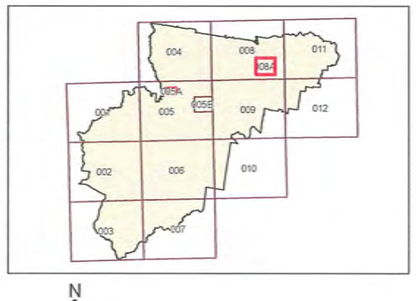
Land Zoning Map - Sheet LZN_008A

Zone

- B2 Local Centre
- B5 Business Development
- E3 Environmental Management
- IN1 General Industrial
- IN2 Light Industrial
- R1 General Residential
- R5 Large Lot Residential
- RE1 Public Recreation
- RE2 Private Recreation
- RU1 Primary Production
- RU3 Forestry
- SP2 Infrastructure
- W1 Natural Waterways

Cadastre

Cadastre 20/09/2010 © Land and Property Information (LPI)



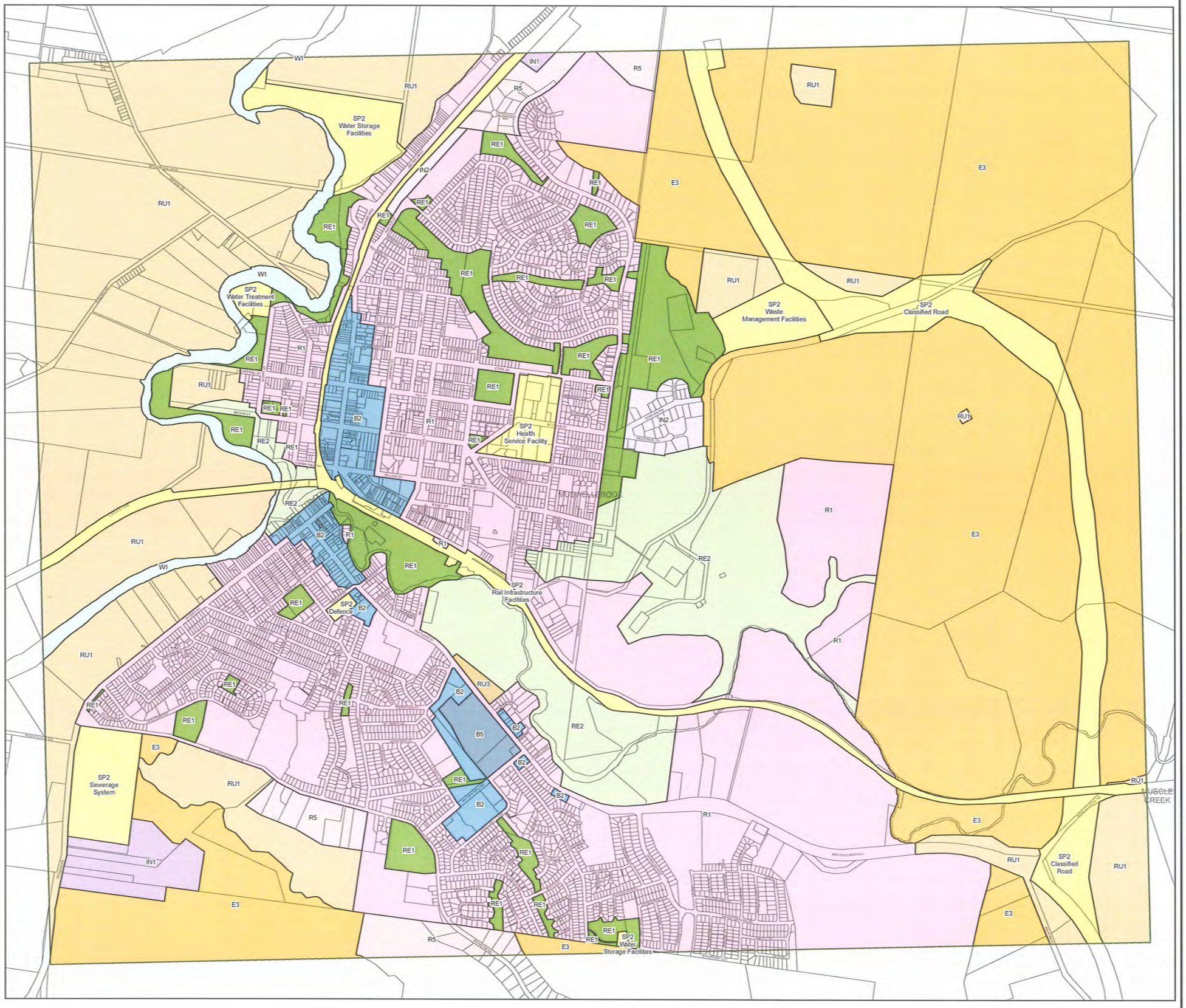
N

0 200 400 800 Metres

Scale: 20,000 @ A3

Projection: GDA 1994 MGA Zone 56

Map identification number: 5650_COM_LZN_008A_020_20120412



Muswellbrook Local Environmental Plan 2009

muswellbrook shire council

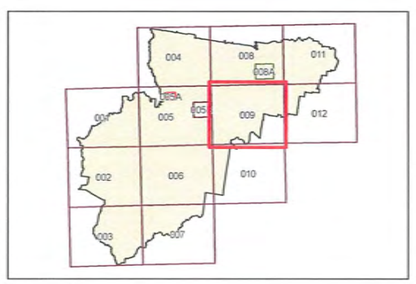
Land Zoning Map - Sheet LZN_009

Zone

- B2 Local Centre
- E1 National Parks and Nature Reserves
- E3 Environmental Management
- IN1 General Industrial
- IN2 Light Industrial
- R1 General Residential
- R5 Large Lot Residential
- RE1 Public Recreation
- RE2 Private Recreation
- RU1 Primary Production
- RU3 Forestry
- RU5 Village
- SP2 Infrastructure
- W1 Natural Waterways

Cadastre

Cadastre 20/09/2010 © Land and Property Information (LPI)



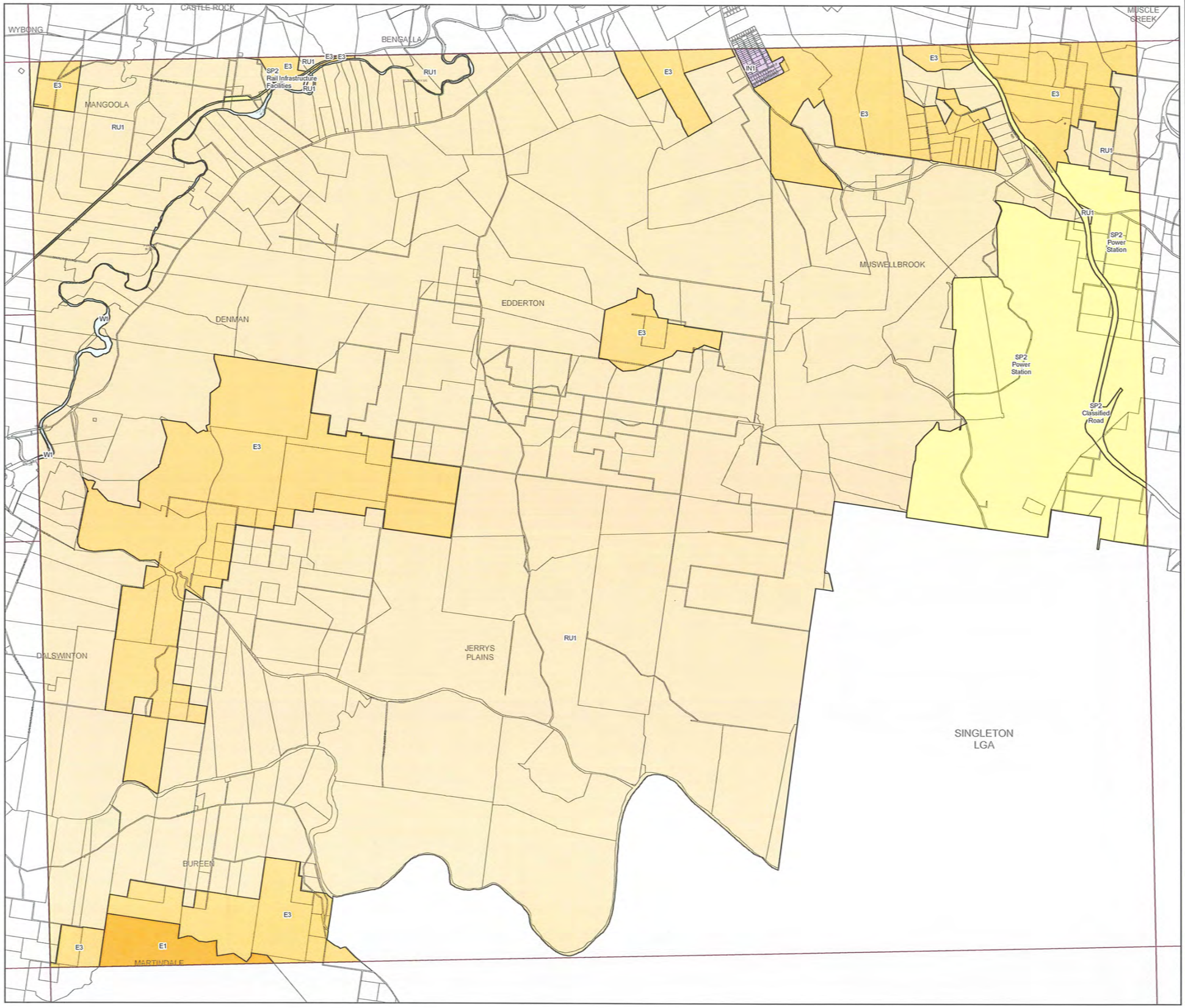
N

0 750 1,500 3,000 Metres

Scale: 80,000 @ A3

Projection: GDA 1994
MGA Zone 56

Map identification number: 5650_COM_LZN_009_080_20120328



Muswellbrook Local Environmental Plan 2009

muswellbrook shire council

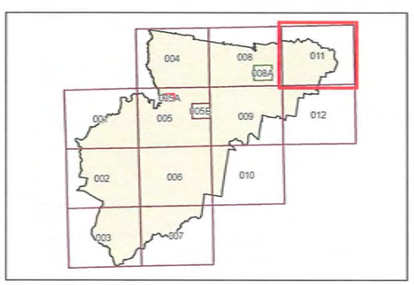
Land Zoning Map - Sheet LZN_011

Zone

- B2 Local Centre
- E1 National Parks and Nature Reserves
- E3 Environmental Management
- IN1 General Industrial
- IN2 Light Industrial
- R1 General Residential
- R5 Large Lot Residential
- RE1 Public Recreation
- RE2 Private Recreation
- RU1 Primary Production
- RU3 Forestry
- RU5 Village
- SP2 Infrastructure
- W1 Natural Waterways

Cadastre

Cadastre 20/09/2010 © Land and Property Information (LPI)



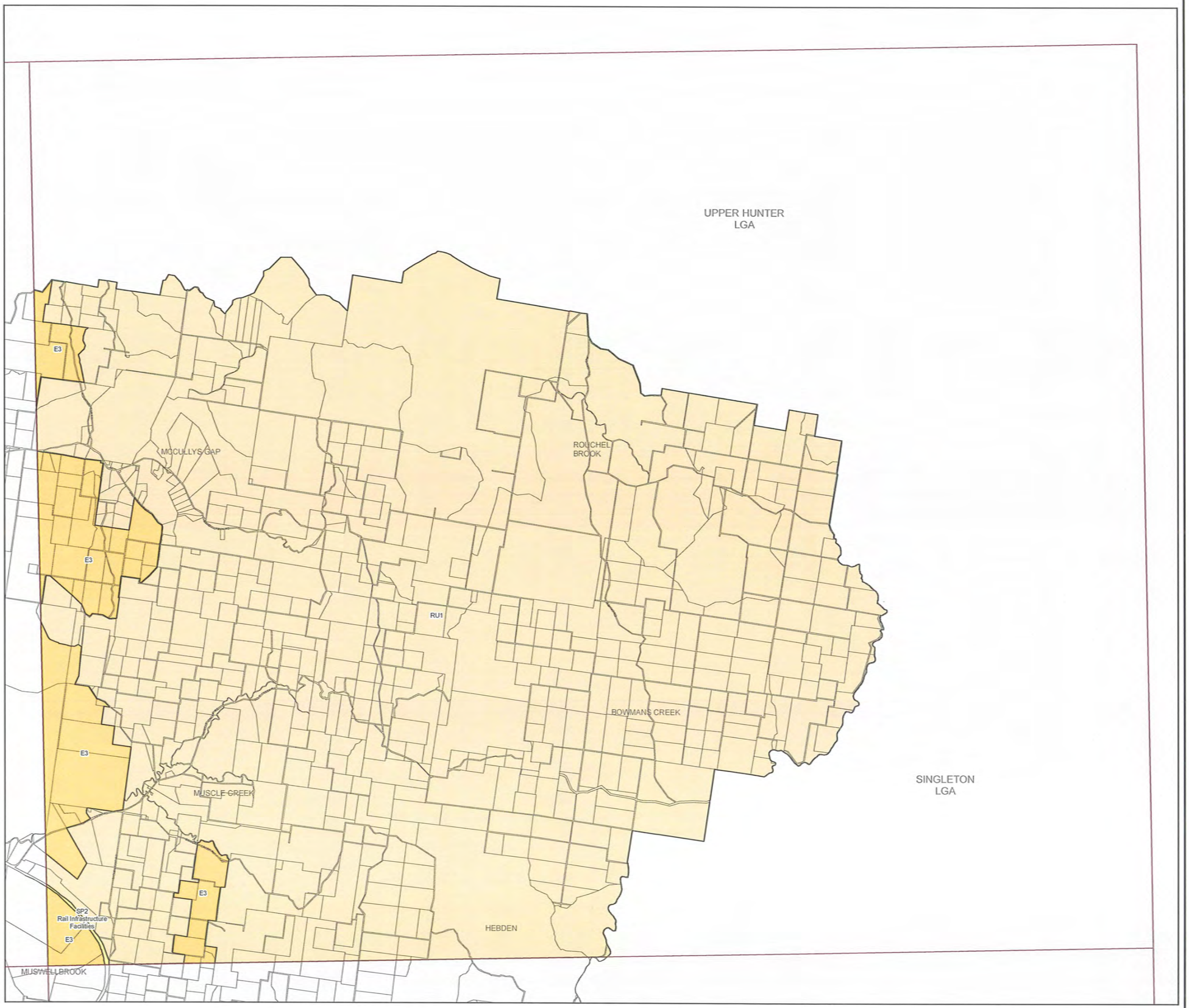
N

0 750 1,500 3,000 Metres

Scale: 80,000 @ A3

Projection: GDA 1994
MGA Zone 56

Map identification number: 5650_COM_LZN_011_080_20120328



Muswellbrook Local Environmental Plan 2009

muswellbrook shire council

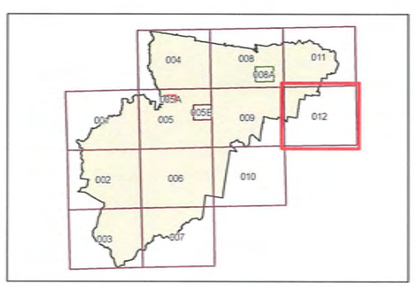
Land Zoning Map - Sheet LZN_012

Zone

- B2 Local Centre
- E1 National Parks and Nature Reserves
- E3 Environmental Management
- IN1 General Industrial
- IN2 Light Industrial
- R1 General Residential
- R5 Large Lot Residential
- RE1 Public Recreation
- RE2 Private Recreation
- RU1 Primary Production
- RU3 Forestry
- RU5 Village
- SP2 Infrastructure
- W1 Natural Waterways

Cadastre

Cadastre 20/09/2010 © Land and Property Information (LPI)



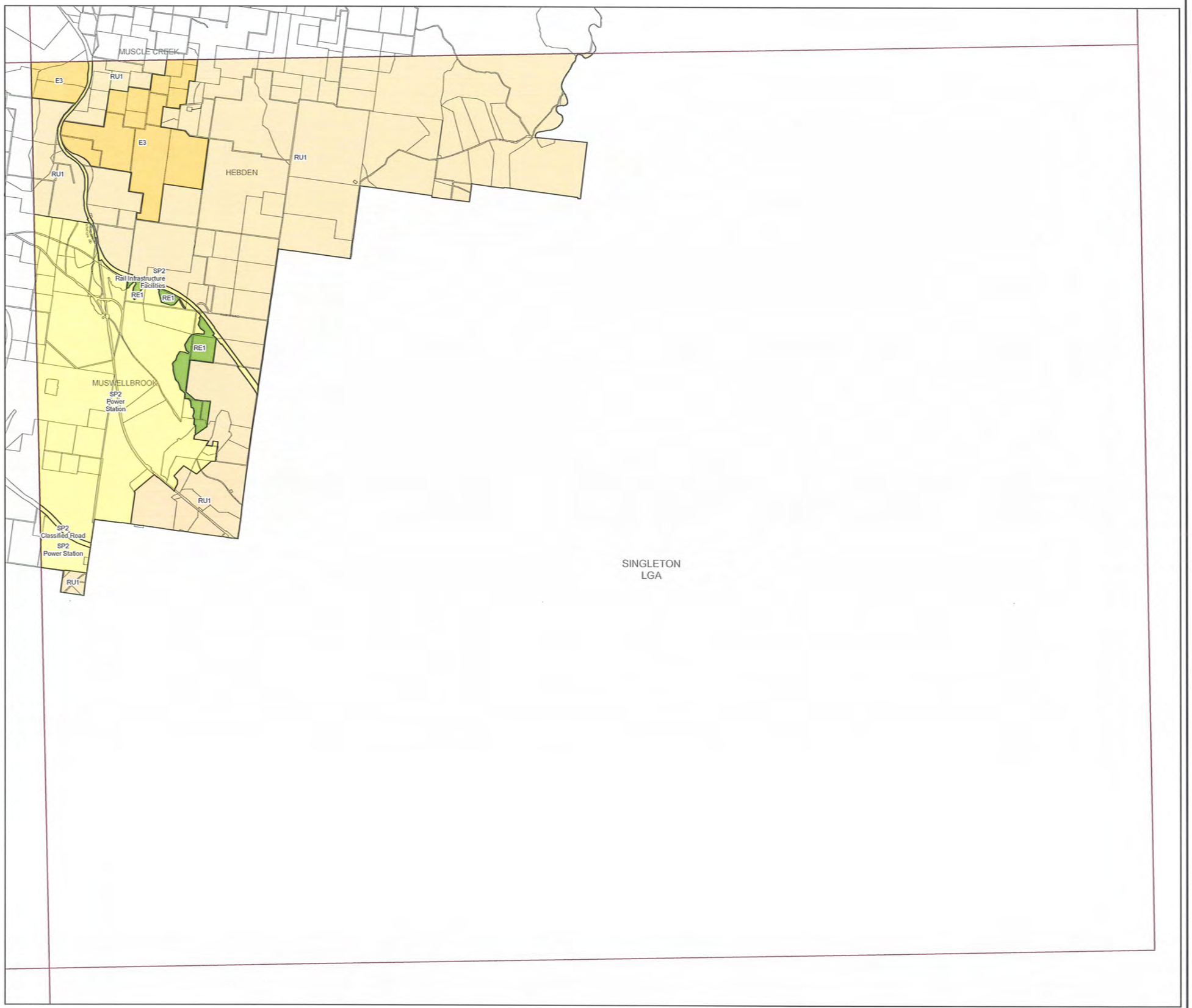
N

0 750 1,500 3,000 Metres

Scale: 80,000 @ A3

Projection: GDA 1994 MGA Zone 56

Map identification number: 5650_COM_LZN_012_080_20120328



Muswellbrook Local Environmental Plan 2009

Land Zoning Map - Sheet LZN-028

Muswellbrook LGA

LGA Boundary

Cadastre

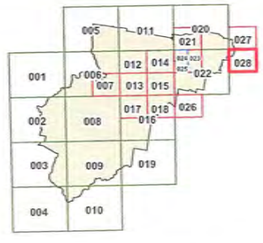
Cadastre 9/5/08 © Dept of Lands

Roads

Highway
Main Road

LZN Legend

B2	Local Centre
E1	National Parks and Nature Reserves
E3	Environmental Management
IN1	General Industrial
IN2	Light Industrial
R1	General Residential
R5	Large Lot Residential
RE1	Public Recreation
RE2	Private Recreation
RU1	Primary Production
RU3	Forestry
RU5	Village
SP2	Infrastructure
W1	Natural Waterways



N
W E
S

0 800 1600

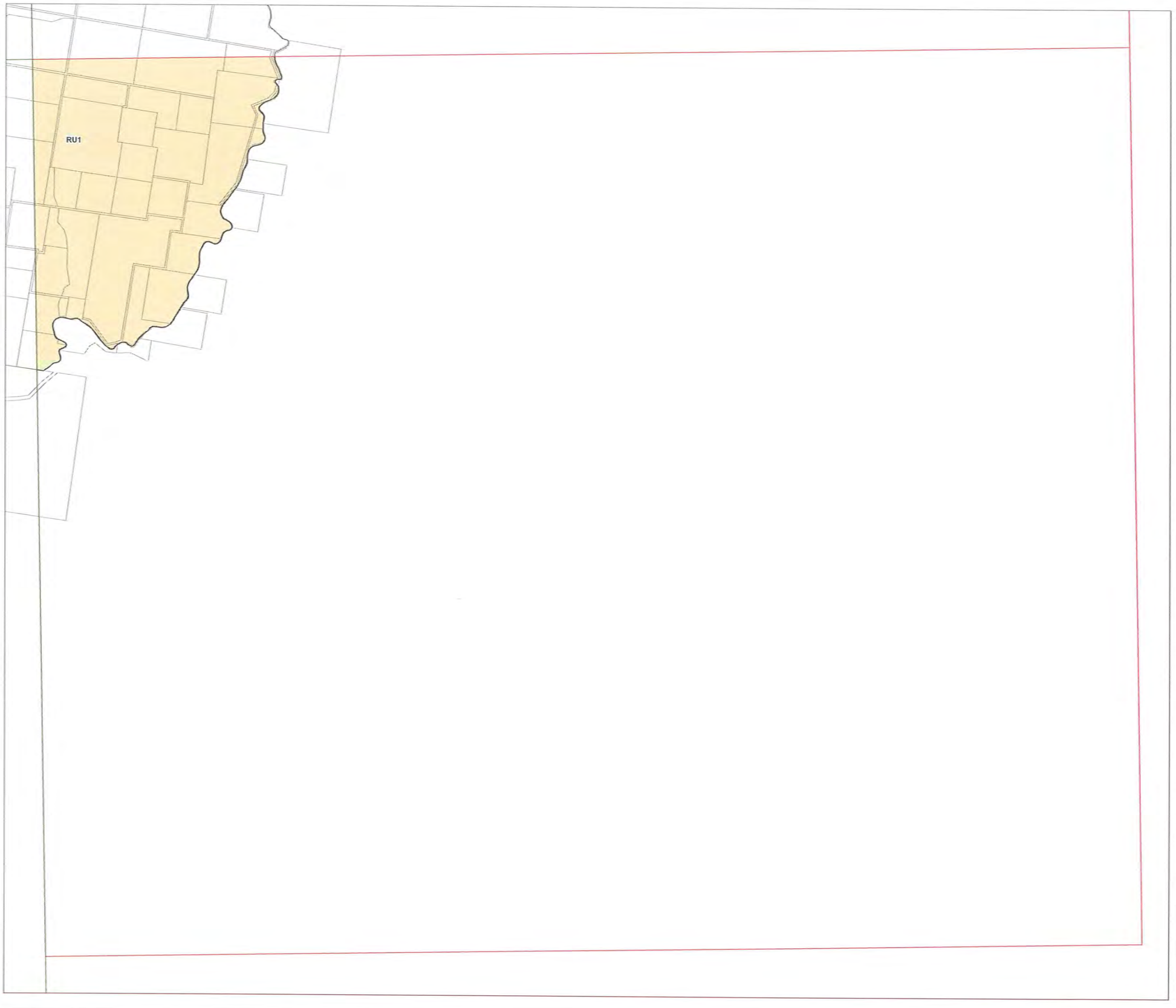
metres

Scale: 1:40,000 @ A3

Projection: GDA 1994
Zone 56

Map Identification Number:

5650_COM_LZN_028_040_20090317



Groundwater Works Summary

Work Requested -- GW080212

Works Details (top)

GROUNDWATER NUMBER	GW080212
LIC-NUM	20BL168065
AUTHORISED-PURPOSES	MONITORING BORE
INTENDED-PURPOSES	MONITORING BORE
WORK-TYPE	Bore
WORK-STATUS	(Unknown)
CONSTRUCTION-METHOD	(Unknown)
OWNER-TYPE	Private
COMMENCE-DATE	
COMPLETION-DATE	31/05/2002
FINAL-DEPTH (metres)	
DRILLED-DEPTH (metres)	
CONTRACTOR-NAME	
DRILLER-NAME	
PROPERTY	N/A
GWMA	-
GW-ZONE	-
STANDING-WATER-LEVEL	
SALINITY	
YIELD	

Site Details (top)

REGION	20 - HUNTER
RIVER-BASIN	210 - HUNTER RIVER
AREA-DISTRICT	
CMA-MAP	9133-3S
GRID-ZONE	56/1
SCALE	1:25,000
ELEVATION	
ELEVATION-SOURCE	(Unknown)
NORTHING	6415560
EASTING	313389
LATITUDE	32 22' 53"
LONGITUDE	151 0' 59"
GS-MAP	
AMG-ZONE	56
COORD-SOURCE	
REMARK	

Form-A (top)

COUNTY	DURHAM
PARISH	LIDDELL
PORTION-LOT-DP	LT31 DP837350

Licensed (top)

COUNTY	DURHAM
PARISH	LIDDELL
PORTION-LOT-DP	31 837350

Water Bearing Zones (top)

no details

Drillers Log (top)

no details

Groundwater Works Summary

For information on the meaning of fields please see Glossary

Document Generated on Thursday, August 29, 2013

Works Details	Site Details	Form A	Licensed	Construction	Water Bearing Zones	Drillers Log
Work Requested -- GW201062			1			1

Works Details (top)

GROUNDWATER NUMBER	GW201062
LIC-NUM	20BL172735
AUTHORISED-PURPOSES	MONITORING BORE
INTENDED-PURPOSES	MONITORING BORE
WORK-TYPE	Bore
WORK-STATUS	Abandoned Bore
CONSTRUCTION-METHOD	Auger - Hollow Flight
OWNER-TYPE	Mines
COMMENCE-DATE	
COMPLETION-DATE	17/12/2009
FINAL-DEPTH (metres)	17.4
DRILLED-DEPTH (metres)	
CONTRACTOR-NAME	
DRILLER-NAME	
PROPERTY	RAVENSWORTH OPERATIONS
GWMA	-
GW-ZONE	-
STANDING-WATER-LEVEL	
SALINITY	
YIELD	

Site Details (top)

REGION	20 - HUNTER
RIVER-BASIN	210 - HUNTER RIVER
AREA-DISTRICT	
CMA-MAP	9033-2S
GRID-ZONE	56/1
SCALE	1:25,000
ELEVATION	
ELEVATION-SOURCE	
NORTHING	6413551
EASTING	311451
LATITUDE	32 23' 57"
LONGITUDE	150 59' 43"
GS-MAP	
AMG-ZONE	56
COORD-SOURCE	GPS - Global Positioning System
REMARK	

Form-A (top)

COUNTY	DURHAM
PARISH	LIDDELL
PORTION-LOT-DP	1//645240

Licensed (top)

COUNTY	DURHAM
PARISH	LIDDELL
PORTION-LOT-DP	101 825292

Construction (top)

Negative depths indicate Above Ground Level;H-Hole;P-Pipe;OD-Outside Diameter;
ID-Inside Diameter;C-Cemented;SL-Slot Length;A-Aperture;GS-Grain Size;Q-Quantity

HOLE-NO	PIPE-NO	COMPONENT-CODE	COMPONENT-TYPE	DEPTH-FROM (metres)	DEPTH-TO (metres)	OD (mm)	ID (mm)	INTERVAL	DETAIL
1		Hole	Hole	0	5.5	96			Auger - Hollow Flight
1		Hole	Hole	5.5	17.4	96			Rotary Mud
1	1	Casing	PVC Class 18	0	14.4	60	50		Screwed; Seated on Bottom; End cap
1	1	Opening	Slots - Horizontal	14.4	17.4	60			PVC Class 18; Mechanically Slotted; SL: 50mm; A: .4mm; Screwed
1		Annulus	Bentonite/Grout	13	14	96	60		
1		Annulus	Waterworn/Rounded	14	17.4	96	60		Graded; GS: 2-5mm

Water Bearing Zones (top)

FROM-DEPTH (metres)	TO-DEPTH (metres)	THICKNESS (metres)	ROCK-CAT-DESC	S-W-L	D-D-L	YIELD	TEST-HOLE-DEPTH (metres)	DURATION	SALINITY
14.5	17.4	2.9							

Drillers Log (top)

no details

Groundwater Works Summary

For information on the meaning of fields please see Glossary

Document Generated on Thursday, August 29, 2013

Works Details | Site Details | Form A | Licensed | Construction | Water Bearing Zones | Drillers Log

Work Requested -- GW201061

1 1

Works Details (top)

GROUNDWATER NUMBER	GW201061
LIC-NUM	20BL172735
AUTHORISED-PURPOSES	MONITORING BORE
INTENDED-PURPOSES	MONITORING BORE
WORK-TYPE	Bore
WORK-STATUS	Abandoned Bore
CONSTRUCTION-METHOD	Auger - Hollow Flight
OWNER-TYPE	Mines
COMMENCE-DATE	
COMPLETION-DATE	16/12/2009
FINAL-DEPTH (metres)	15.1
DRILLED-DEPTH (metres)	
CONTRACTOR-NAME	
DRILLER-NAME	
PROPERTY	RAVENSWORTH OPERATIONS
GWMA	-
GW-ZONE	-
STANDING-WATER-LEVEL	
SALINITY	
YIELD	

Site Details (top)

REGION	20 - HUNTER
RIVER-BASIN	210 - HUNTER RIVER
AREA-DISTRICT	
CMA-MAP	9033-2S
GRID-ZONE	56/1
SCALE	1:25,000
ELEVATION	
ELEVATION-SOURCE	
NORTHING	6413430
EASTING	311490
LATITUDE	32 24' 1"

LONGITUDE	150 59' 44"
GS-MAP	
AMG-ZONE	56
COORD-SOURCE	GPS - Global Positioning System
REMARK	

Form-A (top)

COUNTY	DURHAM
PARISH	LIDDELL
PORTION-LOT-DP	101//825292

Licensed (top)

COUNTY	DURHAM
PARISH	LIDDELL
PORTION-LOT-DP	101 825292

Construction (top)

Negative depths indicate Above Ground Level;H-Hole;P-Pipe;OD-Outside Diameter;
ID-Inside Diameter;C-Cemented;SL-Slot Length;A-Aperture;GS-Grain Size;Q-Quantity

HOLE-NO	PIPE-NO	COMPONENT-CODE	COMPONENT-TYPE	DEPTH-FROM (metres)	DEPTH-TO (metres)	OD (mm)	ID (mm)	INTERVAL	DETAIL
1		Hole	Hole	0	5.5	96			Auger - Hollow Flight
1		Hole	Hole	5.5	15.1	96			Rotary Mud
1	1	Casing	PVC Class 18	0	12.1	60	50		Screwed; Seated on Bottom; End cap
1	1	Opening	Slots - Horizontal	12.1	15.1	60			PVC Class 18; Mechanically Slotted; SL: 50mm; A: .4mm; Screwed
1		Annulus	Bentonite/Grout	10.5	11.5	96	60		
1		Annulus	Waterworn/Rounded	11.5	15.1	96	60		Graded; GS: 2-5mm

Water Bearing Zones (top)

FROM-DEPTH (metres)	TO-DEPTH (metres)	THICKNESS (metres)	ROCK-CAT-DESC	S-W-L	D-D-L	YIELD	TEST-HOLE-DEPTH (metres)	DURATION	SALINITY
12	15.1	3.1							

Drillers Log (top)

no details

Groundwater Works Summary

For information on the meaning of fields please see Glossary
Document Generated on Thursday, August 29, 2013

Works Details Site Details Form A Licensed Construction Water Bearing Zones Drillers Log

Work Requested -- GW047486

1

Works Details (top)

GROUNDWATER NUMBER	GW047486
LIC-NUM	20BL111869
AUTHORISED-PURPOSES	INDUSTRIAL
INTENDED-PURPOSES	INDUSTRIAL
WORK-TYPE	Bore
WORK-STATUS	(Unknown)
CONSTRUCTION-METHOD	Rotary Mud
OWNER-TYPE	Private
COMMENCE-DATE	
COMPLETION-DATE	1/10/1979
FINAL-DEPTH (metres)	92
DRILLED-DEPTH (metres)	92
CONTRACTOR-NAME	
DRILLER-NAME	
PROPERTY	NOT KNOWN
GWMA	-
GW-ZONE	-
STANDING-WATER-LEVEL	
SALINITY	
YIELD	

Site Details (top)

REGION	20 - HUNTER
RIVER-BASIN	210 - HUNTER RIVER
AREA-DISTRICT	
CMA-MAP	9033-2N
GRID-ZONE	56/1
SCALE	1:25,000
ELEVATION	
ELEVATION-SOURCE	(Unknown)
NORTHING	6418136
EASTING	305249
LATITUDE	32 21' 24"
LONGITUDE	150 55' 49"
GS-MAP	0052D2
AMG-ZONE	56
COORD-SOURCE	GD.,ACC.MAP
REMARK	

Form-A (top)

COUNTY	DURHAM
PARISH	SAVOY
PORTION-LOT-DP	306

Licensed (top)

COUNTY	DURHAM
PARISH	SAVOY
PORTION-LOT-DP	1 1095515

Construction (top)

Negative depths indicate Above Ground Level;H-Hole;P-Pipe;OD-Outside Diameter;
ID-Inside Diameter;C-Cemented;SL-Slot Length;A-Aperture;GS-Grain Size;Q-Quantity

HOLE-NO	PIPE-NO	COMPONENT-CODE	COMPONENT-TYPE	DEPTH-FROM (metres)	DEPTH-TO (metres)	OD (mm)	ID (mm)	INTERVAL	DETAIL
1	1	Casing	Welded Steel	0	12	305			(Unknown)
1	1	Casing	Fibreglass	12	92	200			Seated on Bottom
1	1	Opening	Slots - Vertical	12	92	200		1	Mechanically Slotted; SL: 0mm; A: 6mm
1	1	Annulus	Waterworn/Rounded	12	92	330			Graded; GS: 6-11mm

Water Bearing Zones (top)

FROM-DEPTH (metres)	TO-DEPTH (metres)	THICKNESS (metres)	ROCK-CAT-DESC	S-W-L	D-D-L	YIELD	TEST-HOLE-DEPTH (metres)	DURATION	SALINITY
12	25	13	(Unknown)						(Unknown)
28	40	12	(Unknown)						(Unknown)
43	70	27	(Unknown)						(Unknown)
75	92	17	(Unknown)						(Unknown)

Drillers Log (top)

FROM	TO	THICKNESS	DESC	GEO-MATERIAL	COMMENT
0	12	12	Siltstone		
12	12.8	0.8	Rhyolite Band Water Supply		
12.8	14	1.2	Coal Water Supply		
14	14.8	0.8	Siltstone Water Supply		
14.8	15.6	0.8	Coal Water Supply		
15.6	17.6	2	Siltstone Water Supply		
17.6	18.8	1.2	Coal Water Supply		
18.8	21.6	2.8	Siltstone Water Supply		
21.6	22.8	1.2	Coal Water Supply		
22.8	33.4	10.6	Siltstone Water Supply		
33.4	34	0.6	Coal Water Supply		
34	40.2	6.2	Sandstone Water Supply		
40.2	41.1	0.9	Coal		
41.1	43.8	2.7	Siltstone Water Supply		
43.8	46	2.2	Coal Water Supply		
46	52.1	6.1	Sandstone Water Supply		
52.1	52.6	0.5	Coal Water Supply		
52.6	56.4	3.8	Sandstone Water Supply		
56.4	58.5	2.1	Coal Water Supply		
58.5	60.8	2.3	Sandstone Water Supply		
60.8	62.4	1.6	Coal Water Supply		
62.4	76	13.6	Sandstone Water Supply		
76	77.9	1.9	Coal Water Supply		
77.9	80	2.1	Sandstone Water Supply		
80	81.1	1.1	Coal Water Supply		
81.1	82	0.9	Sandstone Water Supply		
82	86	4	Coal Water Supply		
86	92	6	Sandstone Water Supply		

Groundwater Works Summary

For information on the meaning of fields please see Glossary

Document Generated on Thursday, August 29, 2013

Works Details | Site Details | Form A | Licensed | Construction | Water Bearing Zones | Drillers Log

Work Requested -- GW053862

1 1

Works Details (top)

GROUNDWATER NUMBER	GW053862
LIC-NUM	20BL122620
AUTHORISED-PURPOSES	INDUSTRIAL
INTENDED-PURPOSES	INDUSTRIAL
WORK-TYPE	Bore
WORK-STATUS	(Unknown)
CONSTRUCTION-METHOD	Rotary Air
OWNER-TYPE	Private
COMMENCE-DATE	
COMPLETION-DATE	1/02/1982
FINAL-DEPTH (metres)	99
DRILLED-DEPTH (metres)	99
CONTRACTOR-NAME	
DRILLER-NAME	
PROPERTY	N/A
GWMA	-
GW-ZONE	-
STANDING-WATER-LEVEL	
SALINITY	
YIELD	

Site Details (top)

REGION	20 - HUNTER
RIVER-BASIN	210 - HUNTER RIVER
AREA-DISTRICT	
CMA-MAP	9033-2N
GRID-ZONE	56/1
SCALE	1:25,000
ELEVATION	
ELEVATION-SOURCE	(Unknown)
NORTHING	6417425
EASTING	305106
LATITUDE	32 21' 47"
LONGITUDE	150 55' 43"

GS-MAP	0052D2
AMG-ZONE	56
COORD-SOURCE	GD.,ACC.MAP
REMARK	

Form-A (top)

COUNTY	DURHAM
PARISH	SAVOY
PORTION-LOT-DP	L22 DP545087 (306)

Licensed (top)

COUNTY	DURHAM
PARISH	SAVOY
PORTION-LOT-DP	1 1095515

Construction (top)

Negative depths indicate Above Ground Level;H-Hole;P-Pipe;OD-Outside Diameter;
ID-Inside Diameter;C-Cemented;SL-Slot Length;A-Aperture;GS-Grain Size;Q-Quantity

HOLE-NO	PIPE-NO	COMPONENT-CODE	COMPONENT-TYPE	DEPTH-FROM (metres)	DEPTH-TO (metres)	OD (mm)	ID (mm)	INTERVAL	DETAIL
1	1	Casing	Welded Steel	0	13	310			Cemented
1	1	Casing	Pressure Cemented Casing	0	13	200			(Unknown)
1	1	Casing	Fibreglass	0	96	200			Suspended in Clamps
1	1	Opening	Slots - Vertical	48	96	200		1	Plastic; SL: 0mm; A: 6mm

Water Bearing Zones (top)

FROM-DEPTH (metres)	TO-DEPTH (metres)	THICKNESS (metres)	ROCK-CAT-DESC	S-W-L	D-D-L	YIELD	TEST-HOLE-DEPTH (metres)	DURATION	SALINITY
15	17	2	Fractured	13		0.1			(Unknown)
26	29	3	(Unknown)	13		0.4			(Unknown)
66	69	3	(Unknown)	13		2.4			(Unknown)
80	81	1	Consolidated	13		2.7			(Unknown)
96	97	1	(Unknown)	13		4.5			(Unknown)

Drillers Log (top)

FROM	TO	THICKNESS	DESC	GEO-MATERIAL	COMMENT
0	0.5	0.5	Soil		
0.5	5	4.5	Clay Yellow Silcrete		
5	10	5	Siltstone Weathered		
10	12	2	Sandstone		
12	15	3	Coal		
15	17	2	Shale Coal Water Supply		
17	20	3	Sandstone Conglomerate		
20	22	2	Sandstone Grey		
22	27	5	Shale Grey		
27	28	1	Coal Water Supply		
28	32	4	Sandstone Water Supply		
32	33	1	Coal		
33	45	12	Sandstone Grey		

45	47	2	Coal
47	50	3	Sandstone
50	50.5	0.5	Shale Black
50.5	65	14.5	Sandstone
65	69	4	Sandstone Grey Shale Water Supply
69	81	12	Sandstone Grey Water Supply
81	84	3	Coal
84	89	5	Sandstone Grey
89	90.5	1.5	Coal
90.5	95.5	5	Shale Grey
95.5	97.5	2	Shale Sandstone Water Supply
97.5	99	1.5	Coal

Groundwater Works Summary

For information on the meaning of fields please see Glossary

Document Generated on Thursday, August 29, 2013

Works Details | Site Details | Form A | Licensed | Construction | Water Bearing Zones | Drillers Log

Work Requested -- GW200743

1 1

Works Details (top)

GROUNDWATER NUMBER	GW200743
LIC-NUM	20BL171953
AUTHORISED-PURPOSES	TEST BORE
INTENDED-PURPOSES	TEST BORE
WORK-TYPE	Bore
WORK-STATUS	Reconditioned Bore
CONSTRUCTION-METHOD	
OWNER-TYPE	Mines
COMMENCE-DATE	
COMPLETION-DATE	1/01/2004
FINAL-DEPTH (metres)	114
DRILLED-DEPTH (metres)	
CONTRACTOR-NAME	
DRILLER-NAME	
PROPERTY	DRAYTON COLLIERY
GWMA	-
GW-ZONE	-
STANDING-WATER-LEVEL	
SALINITY	
YIELD	

Site Details (top)

REGION	20 - HUNTER
RIVER-BASIN	
AREA-DISTRICT	
CMA-MAP	
GRID-ZONE	
SCALE	
ELEVATION	
ELEVATION-SOURCE	
NORTHING	6416977
EASTING	305476
LATITUDE	32 22' 2"
LONGITUDE	150 55' 57"
GS-MAP	
AMG-ZONE	56
COORD-SOURCE	
REMARK	

Form-A (top)

COUNTY	DURHAM
PARISH	SAVOY
PORTION-LOT-DP	1//1095515

Licensed (top)

COUNTY	DURHAM
PARISH	SAVOY
PORTION-LOT-DP	1 1095515

Water Bearing Zones (top)

no details

Drillers Log (top)

no details

Groundwater Works Summary

For information on the meaning of fields please see Glossary

Document Generated on Thursday, August 29, 2013

Works Details Site Details Form A Licensed Construction Water Bearing Zones Drillers Log

Work Requested -- GW200746

1 1

Works Details (top)

GROUNDWATER NUMBER	GW200746

LIC-NUM	20BL171953
AUTHORISED-PURPOSES	TEST BORE
INTENDED-PURPOSES	TEST BORE
WORK-TYPE	Bore
WORK-STATUS	
CONSTRUCTION-METHOD	
OWNER-TYPE	Mines
COMMENCE-DATE	
COMPLETION-DATE	1/01/2004
FINAL-DEPTH (metres)	133
DRILLED-DEPTH (metres)	
CONTRACTOR-NAME	
DRILLER-NAME	
PROPERTY	DRAYTON COLLIERY
GWMA	-
GW-ZONE	-
STANDING-WATER-LEVEL	28
SALINITY	
YIELD	

Site Details (top)

REGION	20 - HUNTER
RIVER-BASIN	
AREA-DISTRICT	
CMA-MAP	
GRID-ZONE	
SCALE	
ELEVATION	
ELEVATION-SOURCE	
NORTHING	6416853
EASTING	305371
LATITUDE	32 22' 6"
LONGITUDE	150 55' 53"
GS-MAP	
AMG-ZONE	56
COORD-SOURCE	
REMARK	

Form-A (top)

COUNTY	DURHAM
PARISH	SAVOY
PORTION-LOT-DP	1//1095515

Licensed (top)

COUNTY	DURHAM
PARISH	SAVOY
PORTION-LOT-DP	1 1095515

Water Bearing Zones (top)

no details

Drillers Log (top)

no details

Groundwater Works Summary

For information on the meaning of fields please see Glossary

Document Generated on Thursday, August 29, 2013

Works Details | Site Details | Form A | Licensed | Construction | Water Bearing Zones | Drillers Log

Work Requested -- GW024022

1 1

Works Details (top)

GROUNDWATER NUMBER	GW024022
LIC-NUM	20BL018027
AUTHORISED-PURPOSES	INDUSTRIAL
INTENDED-PURPOSES	NOT KNOWN
WORK-TYPE	Excavation
WORK-STATUS	(Unknown)
CONSTRUCTION-METHOD	< 100 sq.m.
OWNER-TYPE	D.M.R. & N.S.W.G.R.
COMMENCE-DATE	
COMPLETION-DATE	1/02/1966
FINAL-DEPTH (metres)	3
DRILLED-DEPTH (metres)	3.1
CONTRACTOR-NAME	
DRILLER-NAME	
PROPERTY	N/A
GWMA	603 - SYDNEY BASIN
GW-ZONE	-
STANDING-WATER-LEVEL	
SALINITY	
YIELD	

Site Details (top)

REGION	20 - HUNTER
RIVER-BASIN	210 - HUNTER RIVER
AREA-DISTRICT	
CMA-MAP	9033-2N
GRID-ZONE	56/1
SCALE	1:25,000
ELEVATION	

ELEVATION-SOURCE	(Unknown)
NORTHING	6416589
EASTING	308245
LATITUDE	32 22' 16"
LONGITUDE	150 57' 43"
GS-MAP	0052D2
AMG-ZONE	56
COORD-SOURCE	
REMARK	

Form-A (top)

COUNTY	DURHAM
PARISH	SAVOY
PORTION-LOT-DP	154

Licensed (top)

COUNTY	DURHAM
PARISH	SAVOY
PORTION-LOT-DP	154

Construction (top)

Negative depths indicate Above Ground Level;H-Hole;P-Pipe;OD-Outside Diameter;
ID-Inside Diameter;C-Cemented;SL-Slot Length;A-Aperture;GS-Grain Size;Q-Quantity

HOLE-NO	PIPE-NO	COMPONENT-CODE	COMPONENT-TYPE	DEPTH-FROM (metres)	DEPTH-TO (metres)	OD (mm)	ID (mm)	INTERVAL	DETAIL
1	1	Casing	Nil	0	0	0			(Unknown)

Water Bearing Zones (top)

FROM-DEPTH (metres)	TO-DEPTH (metres)	THICKNESS (metres)	ROCK-CAT-DESC	S-W-L	D-D-L	YIELD	TEST-HOLE-DEPTH (metres)	DURATION	SALINITY
3	3	0	Unconsolidated	1.2		6.32			Brackish

Drillers Log (top)

FROM	TO	THICKNESS	DESC	GEO-MATERIAL	COMMENT
0	3.05	3.05	Clay Peaty Silt Water Supply		

Groundwater Works Summary

For information on the meaning of fields please see Glossary
Document Generated on Thursday, August 29, 2013

Works Details Site Details Form A Licensed Construction Water Bearing Zones Drillers Log

Annex E

Dataroom Documentation

NOTIFICATION OF DANGEROUS GOODS FDGO1		FDGO1 Liddell Power Station	30/07/2010						
Identifier	Type of storage/process	Content	Class	PG	Location	Maximum capacity	Typical Qty	DWG Ref	Assoc DWG Ref
1	Underground tank	UN 1202 Petrol	3	II	Main Store	27270 L	20000L	LD628029	628035
2	Underground tank	UN 00C1 Combustible liquids	Comb C1		Main Store	21000 L	21000L	LD628029	628036
3	Above-ground tank	UN 00C1 Combustible liquids	Comb C1		A Fuel Oil Tank	363700 L	250000L	LD628029	628034
4	Above-ground tank	UN 00C1 Combustible liquids	Comb C1		B Fuel Oil Tank	363700 L	250000L	LD628029	628034
5	Above-ground tank	UN 00C1 Combustible liquids	Comb C1		C Fuel Oil Tank	363700 L	250000L	LD628029	628034
6	Above-ground tank	UN 00C1 Combustible liquids	Comb C1		D Fuel Oil Tank	1362000 L	1250000L	LD628029	628034
7	Above-ground tank	UN 00C1 Combustible liquids	Comb C1		F Fuel Oil Tank (LAF)	1362000 L	1250000L	LD628029	628034
8	Above-ground tank	UN 00C1 Combustible liquids	Comb C1		E Fuel Oil Tank (LAF)	1362000 L	1250000L	LD628029	628034
9	Hydrogen Plant	UN 1049 Hydrogen, compressed	C2.1		Hydrogen Plant	45600 L	45600L	LD628029	628030
LP	Hydrogen Plant	UN 1049 Hydrogen, compressed	C2.1		Hydrogen Plant	50000 L	20000 L	LD628029	628030
Frame	Generator frame	UN 1049 Hydrogen, compressed	C2.1		Generator frames 1-4	200000 L	200000 L	LD628029	
10	Above-ground tank	UN 1824 Sodium hydroxide solution	C8	II	H2 Plant Electrolyte	2000 L	1500L	LD628029	628030
11A	Above-ground tank	UN 00C1 Combustible liquids	Comb C1		Liquid Recycled Fuel	55000 L	55000L	LD628029	628034
11B	Above-ground tank	UN 00C1 Combustible liquids	Comb C1		Liquid Recycled Fuel	55000 L	55000L	LD628029	628034
11C	Above-ground tank	UN 00C1 Combustible liquids	Comb C1		Liquid Recycled Fuel	55000 L	55000L	LD628029	628034
13	Above-ground tank	No longer in use							
13A	Above-ground tank	UN 1005 Ammonia, anhydrous	C2.3		Storage Bay, CHP	2000 L	2000 L	LD628029	628030
13B	Above-ground tank	UN 1005 Ammonia, anhydrous	C2.3		Storage Bay, CHP	2000 L	2000 L	LD628029	628030
14	Cylinder store	UN 1017 Chlorine	C2.3		Demin, Chlorine Room	600 L	375 L	LD628029	628030
14A	Cylinder store	UN 1017 Chlorine	C2.3		M Series Road	12000L	3000L	LD820315	
15	Above-ground tank	UN 1824 Sodium hydroxide solution	C8	II	Demin, Bulk Caustic	110000 L	80000L	LD628029	628030
16	Above-ground tank	UN 1824 Sodium hydroxide solution	C8	II	Demin, Bulk Caustic	55000 L	50000L	LD628029	628030
17	Above-ground tank	UN 1830 Sulfuric acid	C8	II	Demin, Bulk Acid	120000 L	90000L	LD628029	628030
18	Transformer oil storage	UN 00C1 Combustible liquids	Comb C1		Transformer Rd,	68000 L	10000L	LD628029	628031
19	Above-ground tank	UN 2187 Carbon dioxide, refrigerated liquid	C2.2		Transformer Rd, Bulk CO2	7000 L	5000 L	LD628029	628031
20	Above-ground tank	UN 2187 Carbon dioxide, refrigerated liquid	C2.2		Transformer Rd, Bulk CO2	7000 L	5000 L	LD628029	628031
27	Process Vessel/Area	UN 00C1 Combustible liquids	Comb C1		Unit 1 Generator Transformer	68000 L	68000L	LD628029	628031
28	Process Vessel/Area	UN 00C1 Combustible liquids	Comb C1		Unit 2 Generator Transformer	68000 L	68000L	LD628029	628031
35	Process Vessel/Area	UN 00C1 Combustible liquids	Comb C1		Unit 3 Generator Transformer	68000 L	68000L	LD628029	628032
36	Process Vessel/Area	UN 00C1 Combustible liquids	Comb C1		Unit 4 Generator Transformer	68000 L	68000L	LD628029	628032
37	Roofed Store	UN 1791 Hypochlorite solution	C8	II	Stores Compound No. 3	(14000 L)	2000L	LD628029	628033
37	Roofed Store	UN 2030 Hydrazine hydrate	C8	II	Stores Compound No. 3	(14000 L)	4000L	LD628029	628033
37	Roofed Store	UN 2218 Acrylic acid, inhibited	C8	II	Stores Compound No. 3	(14000 L)	1500L	LD628029	628033
37	Roofed Store	UN 2672 Ammonia solution	C8	III	Stores Compound No. 3	(14000 L)	4000L	LD628029	628033
37	Roofed Store	Un 1897 Tetrachloro, ethylene	C6.1	III	Stores Compound No. 3	(3500 L)	2000L	LD628029	628033
37	Roofed Store	UN 2021 Chlorophenols, liquid	C6.1	III	Stores Compound No. 3	(3500 L)	800L	LD628029	628033
38	Roofed Store	UN 1484 Potassium bromate	C5.1	II	Stores Compound No. 2	125 L	125 L	LD628029	628033
39	Cylinder store	UN 1001 Acetylene, dissolved	C2.1		Flammable Gas Store	(1000 L)	150L	LD628029	628037
39	Cylinder store	UN 1049 Hydrogen, compressed	C2.1		Flammable Gas Store	(1000 L)	125L	LD628029	628037
39	Cylinder store	UN 1075 Petroleum gases, liquified	C2.1		Flammable Gas Store	(1000 L)	125L	LD628029	628037
39	Cylinder store	UN 1978 Propane	C2.1		Flammable Gas Store	(1000 L)	250L	LD628029	628037
40	Roofed Store	UN 1090 Acetone	C3	II	Flammable Liquid Store	(1000 L)	50L	LD628029	628037
40	Roofed Store	UN 1170 Ethanol (ethyl alcohol)	C3	II	Flammable Liquid Store	(1000 L)	50L	LD628029	628037
40	Roofed Store	UN 1193 Ethyl Methyl Ketone	C3	II	Flammable Liquid Store	(1000 L)	50L	LD628029	628037
40	Roofed Store	UN 1203 Petrol	C3	II	Flammable Liquid Store	(1000 L)	600L	LD628029	628037
40	Roofed Store	UN 1307 Xylenes	C3	II	Flammable Liquid Store	(1000 L)	50L	LD628029	628037
41	Underground tank	UN 00C1 Diesel	Comb C1		Mobile Plant, CHP	100000 L	80000L	LD628029	628038
T1	Above-ground tank	UN 00C1 Diesel	Comb C1		Gas Tubine Day Tank	250000L	200000L	LD628029	800633
T2	Above-ground tank	UN 00C1 Diesel	Comb C1		Gas Tubine Catch Tank	8500L	8500L	LD628029	800633
T3	Above-ground tank	UN 00C1 Diesel	Comb C1		Gas Tubine Day Tank	250000L	200000L	LD628029	800633
AC1	Above-ground tank	UN 2672 Ammonia solution	C8	III	Temporary storage (1-4)	20000 L	15000L	LD628029	
AC2	Above-ground tank	UN 2014 Hydrogen Peroxide	C5.1		Temporary storage (1-4)	4000L	4000L	LD628029	
AC3	Above-ground tank	UN 2924 Armohib 18	C3		Temporary storage (1-4)	1000 L	1000L	LD628029	
SS1	Above-ground tank	UN 00C1 Combustible liquids	Comb C1		No1 Station Services Transformer	68000L	68000L	LD628029	
SS2	Above-ground tank	UN 00C1 Combustible liquids	Comb C1		No2 Station Services Transformer	68000L	68000L	LD628029	628030
FC	Above-ground tank	UN 2582	C8	III	Ferric chloride	15000 L	10000L		

Annex F

Asbestos Register

LIDDELL POWER STATION ASBESTOS REGISTER

ASBESTOS REGISTER - BOILER PLANT								SUPPLEMENTARY INFORMATION							
List Ref	Item Ref	Plant	Description	Installation date	Type (Friable, Bonded or Other)	Condition	Removal Status and Date	Comments	Reference Docs	SAP Document	Unit No.	Date Register Updated	ATP No.	Weight (Kg)	Bags Removed
1	B1		Superheater Links (C&D D/C crossovers)	Original	Friable	Good		A & B completed			1	Aug-06			
2	B2		Downcomers above DA (4 off)	Original	Friable	Good		E,F,G,H remain			1	Aug-06			
3	B3		Downcomers below DA (8 off)	Original	Friable	Good					1	Oct-04			
4	B4		Furnace door frame gaskets and inspection windows	Original	Friable	Good		*Refer PO/Boiler Door Schedule			1	Sep-06			
5	B5		Furnace inspection windows frame gasket	Original	Friable	Good					1	Sep-06			
6	B6		Boiler and Associated Plant Access Doors		Friable	Good		*Refer PO/Boiler Door Schedule			1	Aug-06			
7	B7		*Furnace, Vestibule, Fans, Ash Hopper		Friable	Good		nil Asbestos (141 Non Asbestos) Furnace doors sampled 28/8/6			1	Aug-06			
8	B8		*Economiser		Friable	Good		nil asbestos (14 Non Asbestos)			1	Aug-06			
9	B9		*Air Heaters		Friable	Good		13 Asbestos (6 Non Asbestos)			1	Aug-06			
10	B10		*Fabric Filter		Friable	Good		nil asbestos (57 Non Asbestos)			1	Aug-06			
11	B11		M/S Drains Turbine side of strained 4 line - 13m hangers	Original	Friable	Good					1	Aug-06			
12	B12		D/S Level underside of drum 2x18in lines 6m	Original	Friable	Good					1	Aug-06			
13	B13		S/V level Boiler Steam Main B Safety pulse valve vv800 2m		Friable	Good					1	Aug-06			
14	B14		BCP one level below Operating Level at North Side of column between C & D Pumps 'A'. Just under Operating Floor. Cables through floor 1 Blk Asbestos	Original	Friable	Good					1	Aug-06			

ASBESTOS REGISTER - BOILER PLANT								SUPPLEMENTARY INFORMATION							
List Ref	Item Ref	Plant	Description	Installation date	Type (Friable, Bonded or Other)	Condition	Removal Status and Date	Comments	Reference Docs	SAP Document	Unit No.	Date Register Updated	ATP No.	Weight (Kg)	Bags Removed
15	B15		Operating Level West Boiler wall Valve 128020 Differential Pressure Indicate LH HP side Isolating 2 line towards basement to bottom drum 5" x 19m	Original	Friable	Good					1	Aug-06			
16	B16		Gantry under boiler drum North West side of Ash Hopper Valve 12427 WW lower front LH Drain Martyr 10" - line from under side of drum (bend only Asbestos) Marked Non Asbestos	Original	Friable	Good					1	Aug-06			
17	B17		West Boiler Wall. 2 - 18" line Boiler Drum (down), 1 at 'B' side, 1 at 'B' side = 6m	Original	Friable	Good					1	Aug-06			
18	B18		West Boiler wall. 4 - 24" lines from boiler wall to Deaerator Level to boiler wall. 18m ea line.	Original	Friable	Good					1	Aug-06			
19	B19		West Boiler wall Stop Valve Level. Valve 12800 Boiler steam Main 'B' Safety Pulse Valve 8" - 1m	Original	Friable	Good					1	Aug-06			
20	B20		NW Corner #1 Boiler Valve 12500 Sec Air Heater Sootblower Steam Supply Isolating. Marked (Asbestos) is wool. Removal is not required.	Original	Friable	Good					1	Aug-06			
21			ID Fans (oil) DC Contactor Arc Chutes and asbestos wrapped wire potentially located behind Arc Chute (1 Contactor per Fan, 2 per Unit)	Original	Bonded	Good			Refer Admin Note 1235		1	Jun-13			
22			DC Flame Scanner Motor DC Contactor Arc Chutes and asbestos wrapped wire potentially located behind Arc Chute	Original	Bonded	Good			Refer Admin Note 1235		1	Jun-13			

ASBESTOS REGISTER - BOILER PLANT								SUPPLEMENTARY INFORMATION							
List Ref	Item Ref	Plant	Description	Installation date	Type (Friable, Bonded or Other)	Condition	Removal Status and Date	Comments	Reference Docs	SAP Document	Unit No.	Date Register Updated	ATP No.	Weight (Kg)	Bags Removed
23	B21		Superheater Links (4 D/C crossovers)	Original	Friable	Good					2	Oct-04			
24	B22		Downcomers above DA (8 off)	Original	Friable	Good					2	Oct-04			
25	B23		Downcomers below DA (8 off)	Original	Friable	Good					2	Oct-04			
26	B24		Furnace door frame gaskets and inspection windows	Original	Friable	Good		*Refer PO/Boiler Door Schedule			2	Sep-06			
27	B25		Furnace inspection windows frame gasket	Original	Friable	Good					2	Sep-06			
28	B26		Boiler and Associated Plant Access Doors		Friable	Good		*Refer PO/Boiler Door Schedule			2	Aug-06			
29	B27		*Furnace, vestibule. Fans, ash hopper		Friable	Good		nil Asbestos (141 Non Asbestos)			2	Dec-08			
30	B28		*Economise		Friable	Good		nil asbestos (14 Non Asbestos)			2	Aug-06			
31	B29		*Air Heaters		Friable	Good		nil Asbestos (19 Non Asbestos)			2	Dec-08			
32	B30		*Fabric Filter		Friable	Good		nil asbestos (57 Non Asbestos)			2	Aug-06			
33	B31		Above sootblowers 31-36 tank level +1	Original	Friable	Good					2	Aug-06			
34	B32		SW corner 3in drain line 2m Tank level -1	Original	Friable	Good					2	Aug-06			
35	B33		B Side 3in drain line 2m Tank level +1	Original	Friable	Good					2	Aug-06			
36	B34		BCP A 3in drain line 1.5m	Original	Friable	Good					2	Aug-06			
37	B35		BCP C operating level +1 vv22202 valve head still asbestos 1m	Original	Friable	Good					2	Aug-06			
38	B36		vv22520 Tank -1	Original	Friable	Good					2	Aug-06			
39	B37		NW Corner Op level hot water line 2m	Original	Friable	Good					2	Aug-06			
40	B38		1 level below drum level from Sy side Boiler Wall to DA Level. 4 x 24" lines(2 at South of side, 2 at North of side)	Original	Friable	Good					2	Jan-05			

ASBESTOS REGISTER - BOILER PLANT								SUPPLEMENTARY INFORMATION							
List Ref	Item Ref	Plant	Description	Installation date	Type (Friable, Bonded or Other)	Condition	Removal Status and Date	Comments	Reference Docs	SAP Document	Unit No.	Date Register Updated	ATP No.	Weight (Kg)	Bags Removed
41	B39		1 level below drum level 4 lines 18" x 3m. Each from under drum to bottom wall.	Original	Friable	Good					2	Jan-05			
42	B40		Stop Valve Level Sy side middle boiler wall, next thermocouple Junction Box B4-2 short lines 1m ea 6" dia	Original	Friable	Good					2	Jan-05			
43	B41		Stop Valve Level below B4 Junction Box. Centre of boiler 8" Line from boiler wall under walk way then rises 9m towards top drum	Original	Friable	Good					2	Jan-05			
44	B42		North West corner DA Turbine Blowdown Lines 1m 14"Dia	Original	Friable	Good					2	Jan-05			
45	B43		22520 'B' Sec Heater Sootblower Steam Isolating Air Heater Level Below Floor Level 8" 1m	Original	Friable	Good					2	Jan-05			
46	B44		22510 'A' Heater Sootblower Steam Isolating Air Heater Level	Original	Friable	Good					2	Jan-05			
47	B45		BCP 'D' 1 Level up from Operating Level 2 - 6 Lines 3m	Original	Friable	Good					2	Jan-05			
48	B46		BCP 'C' 1m section as marked	Original	Friable	Good					2	Jan-05			
49	B47		22819 Differential Pressure Indicator LH HP Side. Isolating Valve at Operating Level North Side Boiler wall, hand rail height to below floor to bottom drum 2 - 6 line. 7m ea	Original	Friable	Good					2	Jan-05			
50	B48		22624 Valve to bottom Boiler Drum CCR sample C2069 Boiler Water front Dist Header 'B' Isolating Master Valve. 8" Line 4m not identified	Original	Friable	Good					2	Jan-05			

ASBESTOS REGISTER - BOILER PLANT								SUPPLEMENTARY INFORMATION							
List Ref	Item Ref	Plant	Description	Installation date	Type (Friable, Bonded or Other)	Condition	Removal Status and Date	Comments	Reference Docs	SAP Document	Unit No.	Date Register Updated	ATP No.	Weight (Kg)	Bags Removed
51			ID Fans (oil) DC Contactor Arc Chutes and asbestos wrapped wire potentially located behind Arc Chute (1 Contactor per Fan, 2 per Unit)	Original	Bonded	Good			Refer Admin Note 1235		2	Jun-13			
52			DC Flame Scanner Motor DC Contactor Arc Chutes and asbestos wrapped wire potentially located behind Arc Chute	Original	Bonded	Good			Refer Admin Note 1235		2	Jun-13			
53	B49		Superheater Links (2 D/C crossovers)	Original	Friable	Good		A & B completed 2006			3	Oct-04			
54	B50		Downcomers above DA (4 off)	Original	Friable	Good		A-D completed 2006			3	Oct-04			
55	B51		Downcomers below DA (8 off)	Original	Friable	Good					3	Oct-04			
56	B52		Furnace door frame gaskets and inspection windows	Original	Friable	Good		*Refer PO/Boiler Door Schedule			3	Sep-06			
57	B53		Furnace inspection windows frame gasket	Original	Friable	Good					3	Sep-06			
58	B54		Boiler and Associated Plant Access Doors		Friable	Good		*Refer PO/Boiler Door Schedule			3	Aug-06			
59	B55		*Furnace, vestibule. Fans, ash hopper	Now free	Friable	Good		nil Asbestos (141 Non Asbestos)			3	Aug-06			
60	B56		*Economise	Now free	Friable	Good		nil asbestos (14 Non Asbestos)			3	Aug-06			
61	B57		*Air Heaters	Now free	Friable	Good		nil Asbestos (19 Non Asbestos)			3	Aug-06			
62	B58		*Fabric Filter	Now free	Friable	Good		nil asbestos (57 Non Asbestos)			3	Aug-06			
63	B59		Boiler Corner 7 GH 5in 4m		Friable	Good		Needs repair			3	Aug-06			
64	B60		Top drum end 5th drum level		Friable	Good					3	Aug-06			
65	B61		Bunker level SE corner over hand rail 1m		Friable	Good					3	Aug-06			
66	B62		Tank level +1 SBs 31-36 above		Friable	Good					3	Aug-06			
67	B63		Mezzanine level - centre cable trays		Friable	Good					3	Aug-06			
68	B64		Mezzanine level vv33624 north end under walkway	Original	Friable	Good					3	Aug-06			
69	B65		Lower drum RHS 8in 8m drum sample line	Original	Friable	Good					3	Aug-06			

ASBESTOS REGISTER - BOILER PLANT								SUPPLEMENTARY INFORMATION							
List Ref	Item Ref	Plant	Description	Installation date	Type (Friable, Bonded or Other)	Condition	Removal Status and Date	Comments	Reference Docs	SAP Document	Unit No.	Date Register Updated	ATP No.	Weight (Kg)	Bags Removed
70	B66		End Boiler Drum 1 Level above Drum Valve 32767 Steam Drum RH Rear Safety Pulse Valve 10" Line x 7m through western wall	Original	Friable	Good					3	Aug-06			
71	B67		Drum Level North End Valve 32382 WW LH Side Vent Martyr. 1m from Top North Wall of Boiler	Original	Friable	Good					3	Aug-06			
72	B68		South End #3 1 level below drum next to Boiler Blow Down Line & Handrail 5" Line 3m	Original	Friable	Good					3	Aug-06			
73	B69		Desuperheater Heater Level 8 Downcomers to DA & 4 Line from Boiler Wall to DA Level 24" line	Original	Friable	Good					3	Aug-06			
74	B70		At Boiler GH 7 Oil Gun 5" - 4m	Original	Friable	Good					3	Aug-06			
75	B71		Operating Level West Side Boiler Wall between Circ Pump 'C' and Boiler Wall Over Handrail 12m x 6" Valve 32820 Differential Pressure Indicator RH HP PN	Original	Friable	Good					3	Aug-06			
76			ID Fans (oil) DC Contactor Arc Chutes and asbestos wrapped wire potentially located behind Arc Chute (1 Contactor per Fan, 2 per Unit)	Original	Bonded	Good			Refer Admin Note 1235		3	Jun-13			
77			DC Flame Scanner Motor DC Contactor Arc Chutes and asbestos wrapped wire potentially located behind Arc Chute	Original	Bonded	Good			Refer Admin Note 1235		3	Jun-13			
78	B72		Downcomers below DA (8 off)	Original	Friable	Good					4	Oct-04			
79	B73		Furnace door frame gaskets and inspection windows	Original	Friable	Good			Refer Boiler Door Backing Gaskets		4	Sep-06			
80	B74		Furnace inspection windows frame gasket	Original	Friable	Good					4	Sep-06			

ASBESTOS REGISTER - BOILER PLANT								SUPPLEMENTARY INFORMATION							
List Ref	Item Ref	Plant	Description	Installation date	Type (Friable, Bonded or Other)	Condition	Removal Status and Date	Comments	Reference Docs	SAP Document	Unit No.	Date Register Updated	ATP No.	Weight (Kg)	Bags Removed
81	B75		Boiler and Associated Plant Access Doors		Friable	Good		*Refer PO/Boiler Door Schedule			4	Aug-06			
82	B76		*Furnace, vestibule. Fans, ash hopper		Friable	Good		nil Asbestos (141 Non Asbestos)			4	Aug-06			
83	B77		*Economiser		Friable	Good		nil asbestos (14 Non Asbestos)			4	Aug-06			
84	B78		*Air Heaters		Friable	Good		nil asbestos (19 Non Asbestos)			4	Sep-11			
85	B79		*Fabric Filter		Friable	Good		nil asbestos (57 Non Asbestos)			4	Aug-06			
86	B80		Bottom drum LH sample line 6m	Original	Friable	Good					4	Aug-06			
87	B81		Bottom drum RH sample line 6m	Original	Friable	Good					4	Aug-06			
88	B82		Tank level+1 SB 31-36 above		Friable	Good					4	Aug-06			
89	B83		Op level blowdown line bottom ring	Original	Friable	Good					4	Aug-06			
90	B84		Mezzanine level LH cable rack		Friable	Good					4	Aug-06			
91			ID Fans (oil) DC Contactor Arc Chutes and asbestos wrapped wire potentially located behind Arc Chute (1 Contactor per Fan, 2 per Unit)	Original	Bonded	Good			Refer Admin Note 1235		4	Jun-13			
92			DC Flame Scanner Motor DC Contactor Arc Chutes and asbestos wrapped wire potentially located behind Arc Chute	Original	Bonded	Good			Refer Admin Note 1235		4	Jun-13			

LIDDELL POWER STATION ASBESTOS REGISTER

ASBESTOS REGISTER - GENERAL								SUPPLEMENTARY INFORMATION							
List Ref	Item Ref	Plant	Description	Installation date	Type (Friable, Bonded or Other)	Condition	Removal Status and Date	Comments	Reference Docs	SAP Document	Unit No.	Date Register Updated	ATP No.	Weight (Kg)	Bags Removed
1	SP1	Dust Plant	Dust Slurry Lines	Original	Bonded	Fair		JB 1/8/13. Painted circa 2003, now deteriorating.				Jun-13			
2	SP2	Ash Plant	Pipes from Unit 3 and Unit 4 CW conduits to 3/4 Raw Water Pit	Original	Bonded	Good		Asbestos cement underground. (JB 1/8/13) Internally relined 1990 with resin-filled non-asbestos liner.				Jun-13			
3	SP3	Electrical	Underground cable conduits	Original	Bonded	Good						Jun-13			
4	SP4	Electrical	Field switch arc chutes Unit 1, Unit 2, Unit3, Unit 4	Original	Bonded	Good				that		Jun-13			
5	SP5	Electrical	63/100A 415V outlets -door gasket material	Original	Bonded	Good						Jun-13			
6	SP6	Building	Original eaves and ceilings on covered walkways	Original	Bonded	Good		Non-asbestos areas to be painted light green				Oct-04			
7	SP7	Building	Admin building a/c heater bank duct heater gaskets	Original	Bonded	Good		SWM & RA completed. Contractor Name; Insultech. Date of Work; Nov-04				Nov-04			
8	SP8	Building	Ceilings in shower blocks, change rooms, toilets	Original	Bonded	Good		SWM & RA required for work on ceiling fittings				Dec-04			
9	SP8.1	Building	GENERAL: Spray-on coating to wet area ceilings	Original	Bonded	Good									
10	SP8.2	Tennis court surfacing	Bituminous coatings	Circa 1973	Bonded	Fair									
11	SP8.3	Lino sheeting and tiles	Various locations were installed pre-1990	<1990	Bonded			Test sample if in doubt of age. Admin bldg Stff Training and Simulator Wing was constructed in 1984.							
12	SP9	Building	Ceilings in admin - male toilets, female toilets, shower room and managers toilet facility	Original	Bonded	Good		Date of Work; 14-15/03/2012. (tested and confirmed by Insultech).				Apr-12	*1000*	*251*	
13	SP10	Building	Ceilings in Fabric Filter Switchrooms Units 1-4	Original	Bonded	Good		Reported A Macpherson (HLA to Insultech)				22-Apr-05			
14	SP11	Building	Demin Plant Control building and laboratory	Original	Bonded	Good		Tested by Insultech/surface sealed				Dec-10			
15	SP12	Building	Demin Plant Storage and W/shop building	Original	Bonded	Good		Tested by Insultech/surface sealed				Dec-10			
16	SP13	Building	Ammonia Plant Control buildings	Original	Bonded	Good		Tested by Insultech/surface partly sealed				Dec-10			

ASBESTOS REGISTER - GENERAL								SUPPLEMENTARY INFORMATION							
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17	SP14	Building	Coal Reclaiming Switchroom building	Original	Bonded	Good		Tested by Insultech/surface sealed				Dec-10			
18	SP15	Building	Unit 2 Switchyard Workshop (Tenix) Eaves	Original	Bonded	Good		Removed and replaced with weatherboard. Contractor Name; Insultech. Date of Work; 21/12/2011			2	20/03/2012	2108	200	17
19	SP16	Building	Unit 1/2 PCR Fire Doors	Original	Bonded	Good		Fire doors potentially contain asbestos. In good condition. Contractor Name; Deletu. Date of Work; 15/02/2012				20/03/2012		60	2
20	SP16.1	Building	CHP Control Room and Amenities - Ceilings	Original	Bonded	Good									
21	SP16.2	Building	CHP Control Room and Amenities - Wet area walling	Original	Bonded	Good									
22	SP16.3	Building	CHP Control Room and Amenities - Wet area ceilings	Original	Bonded	Good									
23	SP16.4	Building	CHP Control Room - Eaves linings	Original	Bonded	Good									
24	SP19	Conduit	Unit 2 Magaldi Excavations Broken Conduit - Broken areas only	Original	Bonded	Removed	27/09/2011	Foundations for dry hopper. Insultech removed damaged section.			2	20/03/2012	2631	25	10
25	SP20	Conduit	Unit 2 Magaldi Excavations Remove Uncovered Bonded Conduit - Partial - Broken areas only	Original	Bonded	Removed	11/01/2011	Foundations for dry hopper. Insultech removed damaged section.			2	20/03/2012	2603	30	20
			PORTABLE BUILDINGS GENERALLY												
26	SP20.1	Social Club Bldg	Ceilings and eaves linings	Original 1979	Bonded	Fair									
27	SP20.2	Contractor Site Bldg	Ceilings, eaves and internal walls	Various ages, generally <1985	Bonded	Fair									
28			ELECTRICAL SWITCH BOXES (refer Presentation)					Detailed inspection progressing (JB 1/8/13).							
29	SP22	Demin Plant	South of Water Treatment S/room & sodium hydroxide tank	Original	Friable	Good						4/07/2012			
30	SP23	Demin Plant	North of Demin. Air Blower A	Original	Friable	Good						4/07/2012			
31	SP24	Transf. Yard	Rear of 1B Station TX Cooler	Original	Friable	Good		-TY-				4/07/2012			
32	SP25	Transf. Yard	Front of 1B Station TX	Original	Friable	Good		7-TY-1				4/07/2012			

ASBESTOS REGISTER - GENERAL								SUPPLEMENTARY INFORMATION							
List Ref	Item Ref	Plant	Description	Installation date	Type (Friable, Bonded or Other)	Condition	Removal Status and Date	Comments	Reference Docs	SAP Document	Unit No.	Date Register Updated	ATP No.	Weight (Kg)	Bags Removed
33	SP26	Transf. Yard	Front of 1B Station TX	Original	Friable	Good		-TY-1				4/07/2012			
34	SP27	Transf. Yard	Front of 1 Gen Tx	Original	Friable	Good		7-TY-1				4/07/2012			
35	SP28	Transf. Yard	Front of 1 Gen Tx	Original	Friable	Good		-				4/07/2012			
36	SP29	Transf. Yard	Rear of 1 Gen Tx Yard	Original	Friable	Good		-				4/07/2012			
37	SP30	Transf. Yard	Front of 2 Gen Tx	Original	Friable	Good		7-TY-1				4/07/2012			
38	SP31	Transf. Yard	Rear of 2 Gen Tx Yard	Original	Friable	Good		-				4/07/2012			
39	SP32	Transf. Yard	Front of 2B Station Tx	Original	Friable	Good		-				4/07/2012			
40	SP33	Transf. Yard	Front of 2B Station Tx	Original	Friable	Good						4/07/2012			
41	SP34	Transf. Yard	Rear of 2B Station Tx Yard	Original	Friable	Good		-				4/07/2012			
42	SP35	Transf. Yard	SES Workshop North wall	Original	Friable	Good		2-WT-2				4/07/2012			
43	SP36	Transf. Yard	Front of #3 Gen Tx	Original	Friable	Good		7-TT-2			3	4/07/2012			
44	SP37	Transf. Yard	Front of #3 Gen Tx	Original	Friable	Good		8/TY-2			3	4/07/2012			
45	SP38	Transf. Yard	Rear of # 3 Gen Tx Yard	Original	Friable	Good		10/TY-2			3	4/07/2012			
46	SP39	Transf. Yard	Storage Area For Transformers North of #4 Gen Tx	Original	Friable	Good		7/TY-2			4	4/07/2012			
47	SP40	Transf. Yard	Rear of #4 Gen Tx Yard	Original	Friable	Good		10/TY-2			4	4/07/2012			
48	SP41		Left of 44021 DW Coo,lers CW Outlet	Original	Friable	Good		Local Control 5/TH-				4/07/2012			
49	SP42		#3 - 110V DC TX Yard Supply Top	Original	Friable	Good		-			3	4/07/2012			
50	SP43		#3 - 110V DC TX Yard Supply Boattom	Original	Friable	Good		-			3	4/07/2012			
51	SP44		#4 - 110V DC TX Yard Supply Top	Original	Friable	Good					4	4/07/2012			
52	SP45		#4 - 110V DC TX Yard Supply from 4-110V DC Ring 5-4	Original	Friable	Good					4	4/07/2012			
53	SP46		South of #3 110 V DC Gen Standby Seal Oil Pump Motor Starter	Original	Friable	Good		9/Ti-			3	4/07/2012			
54	SP47		Right of #3 402 DW Coolers CW Outlet Control Cubicle	Original	Friable	Good		9/TH/8			3	4/07/2012			
55	SP48		North of #3 Main Oil Tank	Original	Friable	Good		3/TH/8			3	4/07/2012			
56	SP49		South West Aux Loading Bay	Original	Friable	Good		6/TH-5				4/07/2012			
57	SP50			Original	Friable	Good						4/07/2012			
58	SP51		Bunker level west side	Original	Friable	Good		9/TH.4				13/07/2012			
59	SP52		Tank level west side - between #1 & 2	Original	Friable	Good		SW.BD a				13/07/2012			
60	SP53		Mezzanin walkway west side of boiler on east wall	Original	Friable	Good		4/AB/2				13/07/2012			
61	SP54	Ash Plant	Ash plant north	Original	Friable	Good						13/07/2012			
62	SP55	Ash Plant	Ash plant west wall	Original	Friable	Good		3/AP-2				13/07/2012			

ASBESTOS REGISTER - GENERAL								SUPPLEMENTARY INFORMATION							
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63	SP56	Ash Plant	Ash plant crane No C2 main isolator sw	Original	Friable	Good		2/AP ?				13/07/2012			
64	SP57	Ash Plant	Ash plant crane No C2 top of crane isolator sw	Original	Friable	Good		2/AP ?				13/07/2012			
65	SP58	Dust Plant	Dust plant south west wall	Original	Friable	Good		1/DP-2				13/07/2012			
66	SP59	Dust Plant	Dust plant crane No C1 main isolator sw	Original	Friable	Good		2/DP-2				13/07/2012			
67	SP60	Dust Plant	Duest plant crane No C1 top of crane swalnt cr	Original	Friable	Good		2/DP-2				13/07/2012			
68	SP61	Dust Plant	Outside ash and dust sw romm east wall	Original	Friable	Good						13/07/2012			
69	SP62	Dust Plant	Dust plant east wall	Original	Friable	Good		1/DP-2				13/07/2012			
70	SP63	Dust Plant	Dust plant workshop south wall	Original	Friable	Good						13/07/2012			
71	SP64	Turbine Floor 1	Operating floor west side of #1 throttle valves	Original	Friable	Good		2/TH-2			1	13/07/2012			
72	SP65	Turbine Floor 1	Operating floor east side of #1 throttle valves	Original	Friable	Good		1/TH-2			1	13/07/2012			
73	SP66	Turbine Gnd Flr	Ground floor north of turbine main oil tank	Original	Friable	Good		5/TH-2				13/07/2012			
74	SP67	Turbine Gnd Flr	Ground floor south of &A HP heater	Original	Friable	Good		5/TH-2				13/07/2012			
75	SP68	Turbine Gnd Flr	Ground floor south of stem feed pum oil tank	Original	Friable	Good		4/TH-2				13/07/2012			
76	SP69		Ground floor right of DW Cooler local control cubicle 14021	Original	Friable	Good		3/TH-2				13/07/2012			
77	SP70		Ground floor south of #1 STBY 110VDC gen seal oil pump	Original	Friable	Good		3/TH-2			1	13/07/2012			
78	SP71	Main Work/op	M5 crane main isolator	Original	Friable	Good		2/WS-3				13/07/2012			
79	SP72	Main Work/op	M5 crane main isolator - top of crane	Original	Friable	Good		2/WS-3							
80	SP73	Main Work/op	M6 Crane Main Isolator	Original	Friable	Good		3/WS-3							
81	SP74	Main Work/op	M6 Crane Main Isolator top of crane	Original	Friable	Good		3/WS-3							
82	SP75	Main Work/op	MWS Welding bay west wall	Original	Friable	Good		6/WS-3							
83	SP76	Main Work/op	MWS Welding bay west wall in compound	Original	Friable	Good		5/WS-3							
84	SP77	Main Work/op	MWS - centre	Original	Friable	Good		4/WS-3							
85	SP78	Main Work/op	MWS - east	Original	Friable	Good		4/WS-3							
86	SP79	Main Work/op	MWS - east wall	Original	Friable	Good		6/WS-3							
87	SP80	CW	Old workshop north wall inside	Original	Friable	Good									

ASBESTOS REGISTER - GENERAL								SUPPLEMENTARY INFORMATION							
List Ref	Item Ref	Plant	Description	Installation date	Type (Friable, Bonded or Other)	Condition	Removal Status and Date	Comments	Reference Docs	SAP Document	Unit No.	Date Register Updated	ATP No.	Weight (Kg)	Bags Removed
88	SP81	CW	Hydraulic pump room east wall inside	Original	Friable	Good									
89	SP82	CW	Screens TX A	Original	Friable	Good									
90	SP83	CW	Crane 13 Isolator J box	Original	Friable	Good									
91	SP84	CW	Betweem screem Drive 1 & 2	Original	Friable	Good									
92	SP85	CW	Betweem screem Drive 3 & 4	Original	Friable	Good									
93	SP86	CW	Crane long travel isolating switch	Original	Friable	Good									
94	SP87	CW	Tgrash rake carriage isolator	Original	Friable	Good									
95	SP88	CW	Trash rake travel isolator	Original	Friable	Good									
96	SP89	CW	Trash rake main supply	Original	Friable	Good									
97	SP90	CW	Trash rake	Original	Friable	Good									
98	SP91		Old acid dosing compressor hut	Original	Friable	Good									
99	SP92		Old acid dosing dangerous goods depot 11 west	Original	Friable	Good		19/AD-1							
100	SP93		3.3 KV & 415V Coal reclaiming TXB south wall	Original	Friable	Good									
101	SP94		12A tripper incoming supply isolator	Original	Friable	Good									
102	SP95		12A tripper incoming supply isolator	Original	Friable	Good									
103	SP96		12A tripper cable reel isolator	Original	Friable	Good									
104	SP97		12B tripper incoming supply isolator	Original	Friable	Good									
105	SP98		12B tripper travel motor isolator	Original	Friable	Good									
106	SP99		12B tripper cable reel isolator	Original	Friable	Good									
107	SP100		Coal receiving SW room north wall inside	Original	Friable	Good									
108	SP101		Coal receiving TXA north wall	Original	Friable	Good									
109	SP102		12A vib feeder old isolator	Original	Friable	Good									
110	SP103		12B vib feeder old isolator	Original	Friable	Good									
111	SP104		Conveyor 19 east end	Original	Friable	Good									
112	SP105		Conveyor 19 middle	Original	Friable	Good									

ASBESTOS REGISTER - GENERAL								SUPPLEMENTARY INFORMATION							
List Ref	Item Ref	Plant	Description	Installation date	Type (Friable, Bonded or Other)	Condition	Removal Status and Date	Comments	Reference Docs	SAP Document	Unit No.	Date Register Updated	ATP No.	Weight (Kg)	Bags Removed
113	SP106		MRB C34 crane	Original	Friable	Good									
114	SP107		M2 > M1 > M1A R2R2 ground floor transfer tower	Original	Friable	Good									
115	SP108		33 KV yard-33 KV/415V aux Tx No 2 supply No 2 acid doser	Original	Friable	Good									
116	SP109		33 KV yard-33 KV/415V aux Tx No 2 supply aux Tx	Original	Friable	Good									
117	SP110		Transfer car incoming supply	Original	Friable	Good									
118	SP111		Transfer car travel pump	Original	Friable	Good									
119	SP112		Transfer car cable reel	Original	Friable	Good									
120	SP113		Transfer car transfer supply	Original	Friable	Good									
121	SP114		R1 Carriage Isolator	Original	Friable	Good									
122	SP115		R1 Bucket Wheel Pump	Original	Friable	Good									
123	SP116		R1 Carriage Cross Transverse Pump	Original	Friable	Good									
124	SP117		S1 Outlet Westside	Original	Friable	Good									
125	SP118		R2 Carriage Isolator	Original	Friable	Good									
126	SP119		R2 Bucket Wheel Pump	Original	Friable	Good									
127	SP120		R2 Carriage Cross Transverse Pump	Original	Friable	Good									
128	SP121		S2 oulet westside	Original	Friable	Good									
129	SP122	Lift	1/2 Goods Lift Brake Pads	Original	Bonded	Good									
130	SP123	Lift	1/2 Passenger Lift Brake Pads	Original	Bonded	Good									
131	SP124	Lift	3/4 Goods Lift Brake Pads	Original	Bonded	Good									
132	SP125	Lift	3/4 Passenger Lift Brake Pads	Original	Bonded	Good									
133	SP126	Lift	5/6 Transfer Tower Lift Brake Pads	Original	Bonded	Good									

ASBESTOS REGISTER - GENERAL								SUPPLEMENTARY INFORMATION							
List Ref	Item Ref	Plant	Description	Installation date	Type (Friable, Bonded or Other)	Condition	Removal Status and Date	Comments	Reference Docs	SAP Document	Unit No.	Date Register Updated	ATP No.	Weight (Kg)	Bags Removed
134	SP127	Lift	1/2 Fabric Filter Lift Brake Pads	Original	Bonded	Good									
135	SP128	Lift	3/4 Fabric Filter Lift Brake Pads	Original	Bonded	Good									
136	SP129	Warehouse	DC Contactor located in Warehouse (SL 28272)	Original	Bonded	Good			Refer Admin Note 1235						

LIDDELL POWER STATION ASBESTOS REGISTER

ASBESTOS REGISTER - TURBINE PLANT								SUPPLEMENTARY INFORMATION							
List Ref	Item Ref	Plant	Description	Installation date	Type (Friable, Bonded or Other)	Condition	Removal Status and Date	Comments	Reference Docs	SAP Document	Unit No.	Date Register Updated	ATP No.	Weight (Kg)	Bags Removed
1	T1	1st Mezzanine Level	LP 1 Heater Flashbox to Heater 4m - 20" line	Original	Friable	Good					1				
2	T2	1st Mezzanine Level	LP 2 Heater Flashbox to Heater 3m - 9" line	Original	Friable	Good					1				
3	T3	1st Mezzanine Level	LP1 Heater North end Valve 11114 Relief to Basement 4"- 8m	Original	Friable	Good					1				
4	T4	1st Mezzanine Level LP Heater Gallery NW Corner	From Vent lines manifold to condenser 12" - 6m	Original	Friable	Good					1				
5	T5	1st Mezzanine Level LP Heater Gallery SW	LP 1 @ handrail Valve 11337 (no name plate) 9" - 13m above Valve 6m from Valve to Condenser	Original	Friable	Good					1				
6	T6	1st Mezzanine Level LP Heater Gallery West of HP Heater 6A	NRV 10311 Drain Lines 1 @ 4" - to HP/IP Drains Receiver 6m, 1@6" - to HP/IP Drains Receiver 4m	Original	Friable	Good					1				
7	T7	1st Mezzanine Level LP Heater Gallery West of HP Heater 6A	Valve 12161 Air Ejector 'A' Steam Drain Inlet Master 4" - 2m. Top side Valve	Original	Friable	Good					1				
8	T8	1st Mezzanine Level NW Corner LP Heater Gallery	Valve 11338 Drain Cooler Body Vent 5" - 9m	Original	Friable	Removed	17/10/2010	Insultech replaced Insulation. Air Monitoring Report (ATP 2563 and 2562).			1	Aug-10	2562	14	16
9	T9	1st Mezzanine Level NW Corner LP Heater Gallery	Valve 11340 LP 4 Heater Body Vent 6" - 8m plus branchline 4" - 4m @ South end LP 4 West side	Original	Friable	Good					1				
10	T10	1st Mezzanine Level NW Corner LP Heater Gallery	Valve 11342 LP 2 Heater Body Vent 6" - 13m	Original	Friable	Good					1				
11	T11	1st Mezzanine Level NW Corner LP Heater Gallery	Valve 11344 LP 3 Heater Body Vent 6"- 9m	Original	Friable	Good					1				
12	T12	1st Mezzanine Level NW Corner LP Heater Gallery	Valve 11346 LP 4 Heater Body Vent 6"- 16m	Original	Friable	Good					1				
13	T13	1st Mezzanine Level South End	7B Heater 20" line with sticker. Is not asbestos on Valve 13609 (HP 7B Heater Bled Steam)	Original	Friable	Good					1				

ASBESTOS REGISTER - TURBINE PLANT								SUPPLEMENTARY INFORMATION							
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14		Mezzanine Level	110V DC Switchboxes Gaskets	Original	Friable	Good			Refer Photo		1	Jun-13			
15	T14	Basement	N/E Spray Cooling Emergency Pump. Waterbox Valve 11104 EFP Disc before feed Drain Master 4" - 2m. Top end	Original	Friable	Removed	17/12/2010	Insultech renewed Insulation Valve 11104.			1	Dec-10	2597	6	4
16	T15	Basement Waterbox	2m North 6A HP Heater @ Waterbox Valve 11306 HP Heater Feed Inlet Manifold Vent Master 2m above waterbox 5" line 6m.	Original	Friable	Good					1				
17	T16	Basement Waterbox 12m North 6B HP Heater	Valve 11086 LP 4 Heater Waterbox Drain 3"- 7m	Original	Friable	Good					1				
18	T17	Basement Waterbox 12m North 6B HP Heater	Valve 11094 SFP Disc before Feed Isolating Drain Master 3"-7m	Original	Friable	Removed	17/12/2010	28/08/2010 Replace Insulation - Air Monitoring Report (ATP 2560). 15-17/12/2010 Renew Insulation (ATP 2595); Insultech.			1	Dec-10	2595	10	10
19	T18	Basement Waterbox 12m North 6B HP Heater	Valve 11106 SFP Disc after Feed Isolating Drain Master 3"- 5m	Original	Friable	Removed	17/12/2013	28/08/2010 Replace Insulation - Air Monitoring Report (ATP 2560). 15-17/12/2010 Renew Insulation (ATP 2595); Insultech.			1	Dec-10	2595		
20	T19		Valve 11301 EFP Discharge Vent Martyr	Original	Friable	Removed	17/12/2010	Renew Insulation; Insultech.			1	Dec-10	2595		
21	T20	Basement Waterbox 12m North 6B HP Heater	Valve 11116 LP 2 Relief Valve For North End 4"- 8m	Original	Friable	Good					1				
22	T21	Basement Waterbox 12m North 6B HP Heater	Valve 11120 LP 4 Relief Valve top North 5"- 7m	Original	Friable	Good					1				
23	T22	Basement Waterbox 12m North 6B HP Heater	Valve 11302 Feed Reg Stn Feedwater Inlet Vent Master 3"- 2m	Original	Friable	Removed	28/08/2010	Replace Insulation - Air Monitoring Report; Insultech.			1	Aug-10	2560	20	10
24	T23	Basement Waterbox 12m North 6B HP Heater	Valve 11304 SFP Disc Vent Master 3"- 6m	Original	Friable	Removed	17/12/2010	28/08/2010 Replace Insulation - Air Monitoring Report (ATP 2560). 15-17/12/2010 Renew Insulation (ATP 2595); Insultech.			1	Dec-10	2595		

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25	T24	Basement Waterbox 12m North 6B HP Heater	Valve 11322 LP 2 Waterbox Vent 4"- 10m	Original	Friable	Good					1				
26	T25	Basement Waterbox 12m North 6B HP Heater	Valve 11328 LP 4 Heater Waterbox Vent 3"- 7m	Original	Friable	Good					1				
27	T26	Basement Waterbox 6m North 6A HP Heater	3" Line 12m to LP 4 Heater South West End to Relief Valve	Original	Friable	Good					1				
28	T27	Basement Waterbox 6m North 6A HP Heater	3" Line 7m to LP 3 Heater South East End to Relief Valve	Original	Friable	Good					1				
29	T28	Basement Waterbox 6m North 6B HP Heater	9" Line 5m to Valve 10357 LP 2 Heater Body Relief	Original	Friable	Good					1				
30	T29	Basement Waterbox 6m North 6B HP Heater	Valve 10508 LP 2 Heater Drain to LP 1 Flashbox Drain 3" Line	Original	Friable	Good					1				
31	T30	Basement Waterbox 6m North 6B HP Heater	Valve 10511 LP 3 Heater Drain to LP 2 Flashbox Drain 3" - 6m	Original	Friable	Good					1				
32	T31	Basement HP/IP Drain Reg	Valve 10327 SFPT Exhaust Steam to Reheater Drain Master 23mx 8" line HP Heater End	Original	Friable	Good					1				
33	T32	Basement SFPT Drain Rec West End	Valve 10369 Deaerator Bled Steam before Isolating Drain. 10m above Valve 6" x 12m	Original	Friable	Good					1				
34	T33		Deaerator Gasket	Original	Bonded	Removed	17/11/2010	Contractor Name; Insultech.			1	Nov-10	2591	4	1
35	T34	Basement South End Cond Flashbox	Valve 10486 LP 1 Heater Body Drain 3"- 7m to LP Heater 1. 9" line 5m to Valve 10356 LP 1 Heater Body Relief	Original	Friable	Removed	30/11/2010	Valve 10486 Renew Insulation; Insultech.			1	Nov-10	2584	15	5
36	T35	Basement South End Cond Flashbox	Valve 10356 LP 1 Heater Body Relief and Valve 10357 LP 2 Heater Body Relief	Original	Friable	Removed	17/12/2010	Renew Insulation; Insultech.			1	Dec-10	2598	10	7
37	T36	Basement South End Cond Flashbox	Valve 10356 LP 1 Heater Body Relief 6" Line	Original	Friable	Removed	29/07/2010	Replace Insulation; Insultech.			1	Jul-10	2564	10	11
38	T37	Basement South End Cond Flashbox	Valve 10357 LP 2 Heater Body Relief 6" Line	Original	Friable	Removed	17/08/2010	Replace Insulation. Air Monitoring Report (ATP 2563 and 2562); Insultech.			1	Aug-10	2563	10	8

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39	T38	Basement Waterbox	3m North Drain Cooler. Valve 10489 LP 4 Heater Body Drain 4" - 8m	Original	Friable	Good					1				
40	T39	Basement Waterbox	3m North Drain Cover. Valve 11325 LP 3 Heater W/B Vent 3"-5m	Original	Friable	Good					1				
41	T40	Basement Waterbox North End Cond Flashbox	Valve 10513 LP 3 Flashbox Drain to LP 3 Heater Drain	Original	Friable	Good					1				
42	T41	Basement Waterbox North End Cond Flashbox	Valve 10514 LP 4 Heater Drain to LP 3 Flashbox Drain 6m - 4"	Original	Friable	Good					1				
43	T42	Basement Waterbox North End Cond Flashbox	Valve 11074 LP 1 Heater Waterbox Drain 4m - 4"	Original	Friable	Good					1				
44	T43	Basement Waterbox North End Cond Flashbox	Valve 11319 LP 1 Waterbox Vent 8m - 4"	Original	Friable	Good					1				
45	T44	Basement Waterbox North End Cond Flashbox	Valve 11320 LP 1 Heater Cond Outlet Vent 11m - 4"	Original	Friable	Good					1				
46	T45		Crossover Pipe Gasket	Original	Bonded	Removed	6/11/2010	Remove asbestos gasket; Insultech.			1	Nov-10	2585	20	5
47	T46	Cold Reheat	CRH crossover T Piece drain 15m to vv11967 thru wall. Hangers have Asbestos	Original	Friable	Good					1	Aug-06			
48	T47	Cold Reheat	CRH lines 1m from T Piece A&B legs13m to vv11967 through wall. Hangers have Asbestos	Original	Friable	Good					1	Aug-06			
49	T48	Cold Reheat	SE Corner vv12441 - vv12430 25m to top of CRH lines. Hangers have Asbestos	Original	Friable	Good					1	Aug-06			
50	T49	Drain Receiver	Drain Receiver to valve stn vv11968 25m through wall. Hangers have Asbestos	Original	Friable	Good					1	Aug-06			
51	T50	Fire Services	Fire Services - gasket on Main Trunk Line below Level 3	Original	Bonded	Removed	12/04/2011	Remove asbestos gasket; Insultech.			1	Apr-11	2612	2	1

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52	T51	GS Reg Dump Line	4" Drain Line under upper Mezzanine Level to Cond Flashbox South East Side 10m	Original	Friable	Good					1				
53	T52	GSR	Gland steam regulator	Original	Friable	Good					1				
54	T53	GSR	Impulse steam to gland steam reg (no valve, gauge operating floor)	Original	Friable	Good					1	Jan-07			
55	T54	HP Heater	HP 6B heater bypass to flashbox	Original	Friable	Good					1				
56	T55	LP Heater	LP 2 heater to LP 1 flashbox drain	Original	Friable	Good					1				
57	T56	LP Heater	LP 3 heater drain to LP 2 flashbox drain	Original	Friable	Good					1				
58	T57	LP Heater	LP 3 heater Valve 11082 water box drain	Original	Friable	Removed	17/08/2010	Replace Insulation; Insultech.			1	Aug-10	2561	30	20
59	T58	LP Heater	LP 3 heater Valve 11325 waterbox vent	Original	Friable	Removed	17/12/2010	17/08/10 Replace Insulation (ATP 2561). 15-17/12/2010 Renew Insulation (ATP 2596); Insultech.			1	Dec-10	2596	15	10
60	T59	LP Heater	LP 3 Steam Vent Valve 11200	Original	Friable	Removed	17/08/2010	Replace Insulation; Insultech.			1	Aug-10	2561		
61	T60	LP Heater	LP2 Plus extra drain no valve	Original	Friable	Good					1				
62	T61	Operating Level	Valve 12067 GS Reg Dump Valve Bypass to LP 1 Heater Bled Steam 14m from South End 4mx24" line under upper level mezzanine	Original	Friable	Good					1				
63	T62	Operating Level East Turbine HP Cylinder	Valve 12064 Gland Steam Reg Bypass to Dump. Pipe work below this valve 14" - 14m towards SFPT Valve 12070. SFP end 14" x 4m	Original	Friable	Good					1				
64	T63	Operating Level East Turbine HP Cylinder	Valve 12066 GSR Dump to Valve 10324 LP 1 Heater Bled Steam 30" x 4m	Original	Friable	Good					1				
65	T64	South East Basement 3m South 7B Heater	Valve 12441 Reheat Desuperheater A Spraywater Regulating 1@ 3mx5". 1@ 10mx 5".	Original	Friable	Good					1				

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66	T65	South East Basement 3m South 7B HP Heater	Valve 12439 Reheat Desuperheater B Spraywater Regulating 3m - 5" line on SFPT End = 4m - 5" towards Reheat Pipe 7m - 5"	Original	Friable	Good					1				
67	T66	South End #1 Brickwall Steam Mains Heat Up Gallery	Valve 11965 Steam Mains Heat Up Vent Master. Towards HP Cylinder 9" Line 11m	Original	Friable	Good					1				
68	T67	South End #1 Brickwall Steam Mains Heat Up Gallery	Valve 11961 Steam Mains before Strainer Drain Master West Side Valve towards HP/IP Drains Receiver 9" Lines. 1x2m.1x3m. 1x1m. 1x4.	Original	Friable	Good					1				
69	T68	South End #1 Brickwall Steam Mains Heat Up Gallery	Valve 11967 Cold Reheat Mains Drain Master 1-9" Line 11m. 1-7" Line 10m. 1-9" Line 22m	Original	Friable	Good					1				
70	T69	Turbine Valve	Valve 10303 7A/7B HP Heater FCNRV	Original	Friable	Good					1				
71	T70	Upper Level Mezzanine	LP 3 Heater Inlet Relief Valve to Basement 4" - 7m. North end	Original	Friable	Good					1				
72	T71	Upper Level Mezzanine HP Heater Gallery at GSR Station	Valve 12080 HP Cylinder flange heating relief 4m below valve = 5m - 8" line	Original	Friable	Good					1				
73	T72	Upper Mezzanine Level against East Turbine PliNorth	GS heating line to Turbine Bearings. 2/3, 4/5, 6/7, 12" - 18m	Original	Friable	Good					1				
74	T73	Upper Mezzanine Level South End	Valve 12052 Air Ejector 'A' Steam Inlet Martyr East end 8" - 4m under floor	Original	Friable	Removed	22/12/2011	Asbestos Removed; Insultech.			1	Dec-11	2602	4	2
75	T74	Upper Mezzanine Level South End	Valve 12055 Air Ejector 'B' Steam Inlet Martyr. East side 5" - 2m	Original	Friable	Good					1				
76	T75	Upper Mezzanine Level South End	Valve 12089 Air Ejector 'B' Steam Inlet Pressure Relief. West side 3" x 500m	Original	Friable	Good					1				

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77	T76	Upper Mezzanine Level West HP Heater	GS Cond North side 4" line 18m to GS Exhaust Pressure at Operating Level East Turbine HP Cylinder	Original	Friable	Good					1				
78	T77	Upper Mezzanine Level West HP Heater	Valve 11008 Air Ejector Condensate Bypass Flow Reg. From flange at rear of this valve 14" - 8m towards GS Cond	Original	Friable	Good					1				
79	T78	Turbine	Valve 10370 LP 4 Heater Bled Steam b3fore NRV Drain	Original	Friable	Removed	17/12/2010	Insulation renewed. Air Monitoring Report 2595-2599; Insultech.			1	Dec-10	2599	10	6
80	T79		Damaged Section of Insulation	Original	Friable	Removed	15/01/2011	Remove and replace; Insultech.			1	Jan-11	2605	4	2
81		DC Contactor Arc Chute	DC Steam Feed Oil Pump Contactor and asbestos wrapped wire potentially located behind arc chute	Original	Bonded	Obscured			Refer Admin Note 1235		1	Jun-13			
82		DC Contactor Arc Chute	LP Hood Spray (water) Contactor and asbestos wrapped wire potentially located behind arc chute	Original	Bonded	Obscured			Refer Admin Note 1235		1	Jun-13			
83		DC Contactor Arc Chute	Main Oil Tank DC Pump Contactor and asbestos wrapped wire potentially located behind arc chute	Original	Bonded	Obscured			Refer Admin Note 1235		1	Jun-13			
84	T80	1st Level Mezzanine	South end LP 3 Valve 20467 LP 4 Heater Drain to LP 3 Heater Flow Reg Southern side of valve 1.5m 4"	Original	Friable	Good					2				
85	T81	1st Mezzanine Level	At column between 6B and 6A HP Heater 4m 3" Line	Original	Friable	Removed	3/08/2010	Valve at 6B Heater Outlet; Insultech.			2	Aug-10	2557	16	6
86	T82	Air Ejector	Between 'A' & 'B' Air Ejector Condenser side of Hand rail. 2 pipes 1x300 OD to condenser. 1 x 200 OD run to condenser	Original	Friable	Good					2				
87	T83	Air Ejector	Valve 22161 Air Ejector 'A' Steam Trap to 'T' Piece	Original	Friable	Removed	3/08/2010	Renew Insulation; Insultech.			2	Aug-10	2558	5	8
88	T84	Air Ejector	Valve 22163 Air Ejector 'A' Steam Drain Trap Outlet	Original	Friable	Good		40mm x 1m Dropping Asbestos			2	Jan-05			

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89	T85	Air Ejector	Valve 22164 Air Ejector 'B' Steam Drain Trap Inlet Master	Original	Friable	Good		30mm x 3m			2	Jan-05			
90	T86	Air Ejector	Valve 22166 Air Ejector 'B' Steam Drain Trap Outlet	Original	Friable	Good		40mm x 1m			2	Jan-05			
91	T87	Basement	Sy side condenser. Middle condenser 14' above basement 30" line 13m long towards HP/IP Drains Receiver	Original	Friable	Good					2				
92	T88	Basement	Basement 3" Drain Line NE Corner	Original	Friable	Removed	3/08/2010	Renew Insulation - Air Monitoring Report; Insultech.			2	Aug-10	2549	15	4
93	T89	Cold Reheat	CRH A & B legs from T piece to 1st hanger non asbestos. From here to next hanger is asbestos. Then non-asbestos to valve station north of basement. Hangers are asbestos	Original	Friable	Good					2	Aug-06			
94	T90	Deaerator	Downcomers below DA new cladding over old sheeting	Original	Friable	Good					2	Aug-06			
95	T91	Deaerator	SFP LLLO vv21903 2m DA level	Original	Friable	Good					2	Aug-06			
96	T92	Deaerator	Deaerator Tank asbestos gasket on downcomers	Original	Friable	Removed	1/12/2011	Replaced with new gasket; Insultech.			2	Dec-11	2635	1	2
97	T93	Drain Receiver	Drain Receiver to valve stn north of basement 8in 12m. All hangers are asbestos	Original	Friable	Good					2	Aug-06			
98	T94	GSR	Valve 22069 Unloading Gear Supply to basement	Original	Friable	Good					2	Oct-04			
99	T95	HP Heater	Between 6A Upper Level HP Heater & Phone Box 3m to South. Vessel under floor & pipework to 6A Heater - 4m	Original	Friable	Good					2				
100	T96	HP Heater	Between 7A & 7B HP Heater Upper Level 2m from 7A running South 11m under floor	Original	Friable	Good					2				
101	T97	HP Heater	Drain line 25mm x 8m next to Valve 21387	Original	Friable	Good		Basement Flashbox South of 6B HP Heater			2				

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102	T98	HP Heaters	Valve 20494 7A HP Heater drain to condenser flashbox drain master	Original	Friable	Good					2	Oct-04			
103	T99	HP Heaters	Valve 21337 HP heater body venting	Original	Friable	Good					2	Oct-04			
104	T100	HP Heaters	Valve 21306 HP Heaters Feed Inlet Manifold Vent Master	Original	Friable	Removed	7/07/2010	Renew Insulation - Air Monitoring Report; Insultech.			2	Jul-10	2548	12	5
105	T101	IP Turbine	Valve 22445 Reheater 'B' spraywater blowout master	Original	Friable	Good					2	Oct-04			
106	T102	LP Heater 2	6" Line from top of Heater to Vessel over handrail East of Heater 800mm Long	Original	Friable	Good					2				
107	T103	LP Heaters	Valve 20370 LP 4 heater bled steam before NRV drain	Original	Friable	Good					2	Oct-04			
108	T104	LP 1	Valve 21320 LP 1 Heater Condensate Outlet Vent	Original	Friable	Removed	23/07/2010	Renew Insulation - Air Monitoring Report; Insultech.			2	Jul-10	2544	15	12
109	T105	LP 1	Valve 21319 LP 1 Heater Waterbox Vent	Original	Friable	Removed	23/07/2010	Renew Insulation - Air Monitoring Report; Insultech.			2	Jul-10	2544		
110	T106	LP4	Valve 20489 LP 4 Heater Body Drain	Original	Friable	Removed	8/07/2010	Renew Insulation - Air Monitoring Report; Insultech.			2	Jul-10	2547	15	15
111	T107	LP3	LP 3 Body Drain (no number)	Original	Friable	Removed	8/07/2010	Renew Insulation - Air Monitoring Report; Insultech.			2	Jul-10	2547		
112	T108	LP3	Valve 20470 LP 3 Heater Drain to LP 2 Heater	Original	Friable	Removed	28/08/2010	Renew Insulation; Insultech.			2	Aug-10	2559	15	3
113	T109	LP3	Valve 21325 LP 3 Heater Waterbox Vent	Original	Friable	Removed	23/07/2010	Renew Insulation - Air Monitoring Report; Insultech.			2	Jul-10	2544		
114	T110	LP3	Valve 21118 LP 3 Heater Waterbox Relief	Original	Friable	Removed	23/07/2010	Renew Insulation - Air Monitoring Report; Insultech.			2	Jul-10	2544		
115	T111	LP3	Valve 20488 Heater Body Drain 25 mm x 3 metre	Original	Friable	Good		Basement North of Stairs to Mezzanine 1 Level South of LP Heaters			2				
116	T112	LP3	Valve 21082 Heater Waterbox Drain 2m above Valve 25mm x 1m	Original	Friable	Good		Basement North of Stairs to Mezzanine 1 Level South of LP Heaters			2				
117	T113	LP3	Valve 20358 LP 3 Heater Body Relief	Original	Friable	Removed	23/07/2010	Renew Insulation - Air Monitoring Report (ATP 2546 and 2545); Insultech.			2	Jul-10	2545	12	10
118	T114	LP4	Valve 20359 LP 4 Heater Body Relief	Original	Friable	Removed	23/07/2010	Renew Insulation - Air Monitoring Report (ATP 2546 and 2545); Insultech.			2	Jul-10	2545		

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119	T115	LP4	LP 4 Heater Body Drain 25mm x 2m	Original	Friable	Good		Basement North of Stairs to Mezzanine 1 Level South of LP Heaters			2				
120	T116	LP4	Valve 21084 Heater Condensate Inlet Drain 25mm x 3 metre	Original	Friable	Removed	8/07/2010	Basement North of Stairs to Mezzanine 1 Level South of LP Heaters. 08/07/2010 Renew Insulation - Air Monitoring Report; Insultech.			2	Jul-10	2547		
121	T117	Main Steam Drain	MS Drain before and after strainers to vv station north of basement 8in 89m. All hangers are asbestos.	Original	Friable	Good					2	Aug-06			
122	T118	Main Steam	Main Steam Drain Line Valve 2061	Original	Friable	Removed	18/10/2011	ATP 2634 Gasket replacement. CW Pump access flange non-asbestos; Insultech.			2	Oct-11	2633. 2634	15	5
123	T119	North GSR	Valve 22069 Finishes at Valve steam test IS 7425 then starts at Valve IS 7424 steam supply valve and travels 8 m to end.	Original	Friable	Good					2				
124	T120	SFP Level	Valve 22072 SFPT gland steam exhaust. Line runs to gland steam condenser. Approx 15m. PCR side under top HP Heater Level	Original	Friable	Good					2				
125	T121	Turbine	1 metre below Valve 27392 old metal 8" OD joins new 6"OD. The Asbestos runs west for 2m, turns South to reduce to 4" OD. Runs 7m to Air Ejector	Original	Friable	Good					2				
126	T122	Turbine	2 Drain Line 25mm x 800mm = 1.6m	Original	Friable	Good					2				
127	T123	Turbine	Drain cooler	Original	Friable	Good					2	Oct-04			
128	T124	Turbine	Valve 21112 Drain Cooler Waterbox Relief	Original	Friable	Removed	8/07/2010	Renew Insulation - Air Monitoring Report; Insultech.			2	Jul-10	2547		
129	T125	Turbine	Valve 21338 Drain Cooler Body Vent	Original	Friable	Removed	23/07/2010	Renew Insulation - Air Monitoring Report (ATP 2546 and 2545). Insultech.			2	Jul-10	2546	10	8

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130	T126	Turbine	Gland Steam Regulator 14 " Line at West Side of Regulator through floor & towards Sy the turns south to run along concrete wall then joins 2 6" lines that turn towards Sy and into condenser approx 30m	Original	Friable	Good					2				
131	T127	Turbine	Tundish on Column 2 metre South Gland Steam Condenser Exhaust Fan	Original	Friable	Good					2				
132	T128	Turbine	Tundish on column next to 20024 Gland Steam Condensate Exhaust Fan	Original	Friable	Good					2				
133	T129	Turbine	Unit 2 Flashbox pipework	Original	Friable	Good					2	Oct-04			
134	T130	Turbine	Valve 20370 LP 4 Heater Bled Steam	Original	Friable	Good					2	Jan-05			
135	T131	Turbine	Valve 21966 & Valve 21965 steam mains heat up vents master	Original	Friable	Good					2	Oct-04			
136	T132	Turbine	Valve 21967 & Valve 21968 CRH mains drain martyr	Original	Friable	Good					2	Oct-04			
137	T133	Turbine	Valve 22064 Gland Steam Reg Bypass to dump 30m. West Side GSR End near GS Cond into Non Asbestos Line	Original	Friable	Good					2				
138	T134	Turbine	Valve 22086 West Side Under Floor 18 m South to A Air Ejector. 12" Line	Original	Friable	Good					2				
139	T135	Turbine	Valve 22089 Air Ejector 'B' Steam Inlet Pressure Reg Under Floor 4" Line 3m	Original	Friable	Good					2				
140	T136	Turbine	Valve 27392 North side of Valve 3m x 4" Line South side 4m then reduces to 2" Line 8m	Original	Friable	Good					2				
141	T137	Turbine Valve	Valve 0450 7A/6A HP Heater drainate control valve	Original	Friable	Good					2	Oct-04			
142	T138	Turbine Valve	Valve 21961 South side 15m	Original	Friable	Good					2	Jan-05			
143	T139	Turbine Valve	Valve 21962 PCR side 9m	Original	Friable	Good					2	Jan-05			
144	T140	Turbine Valve	Valve 21963 South side	Original	Friable	Good					2	Jan-05			

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145	T141	Turbine Valve	Valve 21964 South side	Original	Friable	Good					2	Jan-05			
146	T142	Upper Level HP Heater	6B under grating East side 1.5m Non Asbestos 6m Asbestos line into Vessel under floor South Side of 6B HP Heater	Original	Friable	Good					2				
147		DC Contactor Arc Chute	DC Steam Feed Oil Pump Contactor and asbestos wrapped wire potentially located behind arc chute	Original	Bonded	Obscured			Refer Admin Note 1235		2	Jun-13			
148		DC Contactor Arc Chute	LP Hood Spray (water) Contactor and asbestos wrapped wire potentially located behind arc chute	Original	Bonded	Obscured			Refer Admin Note 1235		2	Jun-13			
149		DC Contactor Arc Chute	Main Oil Tank DC Pump Contactor and asbestos wrapped wire potentially located behind arc chute	Original	Bonded	Obscured			Refer Admin Note 1235		2	Jun-13			
150	T143	1 up Basement	Valve 30343 LP 3 Heater Bled Steam before NRV Drain 10m	Original	Friable	Removed	May-10	5m above and below Valve Non Asbestos; Insultech.			3	Oct-10			
151	T144	1 up Basement	Valve 30345 LP 3 Heater Bled Steam after NRV Drain 10m - 4"	Original	Friable	Removed	May-10	5m above and below Valve Non Asbestos; Insultech.			3	Oct-10			
152	T145	1 up Basement	Valve 30347 LP 2 Heater Bled Steam Drain 5" line 17m to LP 2 to Cond Drain Line	Original	Friable	Removed	May-10	5m above and below Valve Non Asbestos; Insultech.			3	Oct-10			
153	T146	1 up Basement	Valve 30350 LP 1 Heater Bled Steam Drain 2m - 4"	Original	Friable	Removed	May-10	5m above and below Valve Non Asbestos; Insultech.			3	Oct-10			
154	T147	1st Level HP Heater Mezzanine	Valve 31342 LP 2 Heater Body Vent 15m then 9m Non Asbestos then 5m Asbestos to top side LP 2 Heater Cond side over rail	Original	Friable	Good					3				
155	T148	1st Mezzanine Level	West side LP 1 and centre under handrail. Valve 30370 LP 4 Heater Bled Steam before NRV Drain - 6" Line to under IP Cylinder 18' above basement. 15m	Original	Friable	Good					3				

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156	T149	Air Ejector 'A' 1st Stage Inlet Isolating	No valve number plate. Below floor. Line runs under & past GSR to Valve 32094 Air Ejector 'A' Steam Inlet Pressure Reg. 16m - 8" Line	Original	Friable	Good					3				
157	T150	B' Air Ejector	Valve 32057 Air Ejector 'B' 1st stage inlet Isolating under floor 1m 4" line	Original	Friable	Good					3				
158	T151	Basement NE Waterbox	Valve 1095 to Feed Reg Station 7m - 4" line. 2 parts of line	Original	Friable	Removed	May-10	1m Non Asbestos; Insultech.			3	Oct-10			
159	T152	Basement NE Waterbox	Valve 31104 EFP Discharge before Feed Reg Valve Drain Master 6m - 4"	Original	Friable	Good					3				
160	T153	Basement NE Waterbox	Valve 31106 SFP Disc after feed Isolating Drain Master 5m - 4". 2 Parts of line	Original	Friable	Removed	May-10	1m Non Asbestos; Insultech.			3	Oct-10			
161	T154	Basement NE Waterbox	Valve 31304 SFP Disc Vent Master 6m - 4" line. 2 parts of line	Original	Friable	Removed	May-10	1m Non Asbestos; Insultech.			3	Oct-10			
162	T155	Basement NE Waterbox	Valve 31328 LP 4 Waterbox Drain 4m - 4" at Heater end	Original	Friable	Removed	May-10	Non Asbestos; Insultech.			3	Oct-10			
163	T156	Basement North Condenser	24" OD Line 31m 1m above basement North end of Cond. The line runs PCR side of Cond 18' above basement to South end Cond 1m above floor	Original	Friable	Good					3				
164	T157	Basement North End EFP	Valve 31048 EFP Suction to Deaerator 16mx20" to joint SFP Suction	Original	Friable	Good					3				
165	T158	Basement Water Box	South East Corner Corner Condenser Flashbox 10" Line 1m	Original	Friable	Good					3				
166	T159	Basement Water Box	South East Corner Corner Condenser Flashbox 4" Line Valve 30486 LP 1 Heater Body Drain 8m	Original	Friable	Good					3				
167	T160		Drain Line from Bled Steam south of Condenser Flashbox	Original	Friable	Removed	5/07/2011	Identified from survey June 2011; Insultech.			3	Jul-11	2628	5	5
168	T161		Drain Line top of Condenser Flashbox	Original	Friable	Removed	5/07/2011	Identified from survey June 2011; Insultech.			3	Jul-11	2627	3	5

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169	T162	Generator	Generator outer casing - asbestos coated cable	Original	Friable	Removed	27/05/2011	Removed; Insultech.			3	May-11	2617	4	2
170	T163	Drain line from Deaerator to IP	24" line as above. 8" OD to Deaerator bled steam before isolating drain 14m towards SFT Drains Receiver. At 2nd level LP Heater 4 over hand rail	Original	Friable	Good					3				
171	T164	Gland Steam Reg Dump Valve	At South West side of 7A HP Heater 24" Line from GSR Valve Past GS Cond to Valve 30324. LP Heater Bled Steam from GSR Valve 10m Asbestos then 7m Asbestos	Original	Friable	Good					3				
172	T165	GSR	Gland steam drain	Original	Friable	Good					3	Oct-04			
173	T166	GSR Station	18" line 3m from South side Valve 32064 down through upper level HP Heater Floor to 'T' with 24" line from GSR station sy side of reg through floor runs west 3m, turns North to run into Cond Plinth on the PCR side	Original	Friable	Good					3				
174	T167	GSR to Cond Flashbox	Line South East end of Cond = 4m - 6" line	Original	Friable	Good					3				
175	T168	GSR to Cond Flashbox	Line South end of Cond Top West 6" line 6m finishes through Level 1 Mezzanine	Original	Friable	Good					3				
176	T169	GSR to LP 1 Bled Steam Line	Drain Line leaves Main Line and SE Side of GSC. Through floor to Flashbox 6" line 7m	Original	Friable	Good					3				
177	T170	HP Heater	6A/7A HP Heater to Deaerator 12' line from hand rail at SE Corner LP 2 Heater. Level 1 to Deaerator	Original	Friable	Good					3				
178	T171	HP Heater	6B/7B HP Heater to Deaerator 12" line from handrail East side HP Heater Level 1 towards Deaerator = 30m	Original	Friable	Good					3				

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179	T172	HP Heater Flashbox	Body needs testing for Asbestos	Original	Friable	Good					3				
180	T173	HP Heater Flashbox	North side of 6B HP Heater. Upper Level Line from top of Flashbox to 6B Heater South side under Upper Level floor 7m - 8" line	Original	Friable	Good					3				
181	T174	HP Heater Flashbox	Top end under Level 2 floor 1m x 8" Line	Original	Friable	Good					3				
182	T175	HP Heater Flashbox	Under top Mezzanine Level HP Heater Floor to 6A Heater - 12" x 3m	Original	Friable	Good					3				
183	T176	HP Heaters	Valve 30316 to Deaerator & drain line	Original	Friable	Good					3	Oct-04			
184	T177	HP Heaters	Valve 31059 HP 7B Heater Feedwater outlet valve	Original	Friable	Good					3	Oct-04			
185	T178	HP/IP Drains Receiver	Drain to Cond South side Cond 1/2 way along 20' above grate. 10m - 30" line	Original	Friable	Good					3				
186	T179	HP/IP Drains Receiver	Above East end of HP/IP Drains Receiver	Original	Friable	Removed	5/07/2011	Identified from survey June 2011. Contractor; Insultech.			3	Jul-11	2626	30	6
187	T180	IP to Deaerator Bled Steam Line	1 Drain Line under side of Steam Line at 1st level LP Heaters Cond side of North end LP 1 Heater. South Side of NRV 30316 towards SFPT Drains Receiver 7m - 6" Line, 1 drain at North end of NRV 30316 towards SFPT Drains Receiver 5m - 6" Line	Original	Friable	Removed	May-10	South side of Valve 1m Non Asbestos. North side Non Asbestos. Contractor Name; Insultech.			3	Oct-10			
188	T181	IP to Deaerator Bled Steam Line	Level 1 LP Heaters at South side NRV 30316 10" Line run towards SFPT 4m	Original	Friable	Removed	May-10	Non Asbestos; Insultech.			3	Oct-10			
189	T182	Level 1 Mezzanine SE Corner	Valve 31059 7B HP Heater Feedwater Outlet top side of Valve 4m Non Asbestos then Asbestos 5m - 20" line	Original	Friable	Good					3				
190	T183	LP 1 Heater	Valve 31340 LP 1 Heater Body Vent 21m to LP 1 Heater South end on top of Heater 6" - 8" Line	Original	Friable	Removed	May-10	8m above and below Valve Non Asbestos; Insultech.			3	Oct-10			

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191	T184	LP 3 Heater	Valve 31344 LP 3 Heater Body Vent 13m towards LP Heater 3 6" Line	Original	Friable	Removed	May-10	8m above and below Valve Non Asbestos; Insultech.			3	Oct-10			
192	T185	LP 4 Heater	Drain Line 3m from LP 4 'T' joint runs 1m South to Valve 30468 LP 4 Heater Drain to Cond side of Valve 30468 Non Asbestos 8" Line	Original	Friable	Good					3				
193	T186	LP 4 Heater	North end LP 4 under side 2m from North end 12" line to Valve 30466 LP 4 Heater Drain to LP 3 Heater 27m	Original	Friable	Removed	May-10	5m Non Asbestos; Insultech.			3	Oct-10			
194	T187	LP 4 Heater	North Ent from top of Heater 24" line Bled Steam 8m & 14m at 1P Cylinder End total 22m. Same line at Cond side of GS Cond 5" Drain Line 10m Valve 30341. LP4 Heater Bled Steam after NRV Drain	Original	Friable	Removed	May-10	Valve 30341 5m Non Asbestos; Insultech.			3	Oct-10			
195	T188	LP 4 Heater	Valve 31346 LP 4 Heater Body Vent 12m Asbestos then 9m Non Asbestos then 7 m Asbestos to LP 4	Original	Friable	Good					3				
196	T189	LP Heater	LP Flashbox asbestos	Original	Friable	Good					3	Oct-04			
197	T190	LP Heater	Valve 31338 Drain Cooler Body Vent 1m below valve 7" thick	Original	Friable	Removed	May-10	Non Asbestos; Insultech.			3	Oct-10			
198	T191	LP Heaters	Valve 30323 LP 2 Heater bled steam & drain line	Original	Friable	Good					3	Oct-04			
199	T192	Main Steam Drain	MS drain lines boiler side of strainers 26m hanger brackets contain asbestos		Friable	Good					3	Aug-06			
200	T193	Main Steam Drain	MS drain lines turbine side of strainers 6m hangers contain asbestos	Original	Friable	Good					3	Aug-06			

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201	T194	Mezzanine Level	IP to Deaerator Bleed Steam Line 24" OD. At NRV 30316. 1 level above basement over hand rail North West Corner LP Heater Level - 19m from NRV towards IP Cylinder & 6m on other side of NRV them 3m of wool then 6m Asbestos line most of this is over head at under Mezzanine Level.	Original	Friable	Good					3				
202	T195	Mezzanine Level Boiler Feed Reg Station	North side at Valve 32279 BCP Pumps HP Fill & Purge EFP Supply Isolating 8m Asbestos - 4m Non Asbestos - 2m Asbestos at basement waterbox vent	Original	Friable	Good					3				
203	T196	North Side Loading Bay	On Gantry at Valve 31965 steam mains Heat up vent master at main steam line to HP end 8m - 8" line	Original	Friable	Good		Non Asbestos. Insultech; May 2010			3	Oct-10			
204	T197	North Side Loading Bay	On Gantry, Valve 31963 Steam Mains after strainer Drain Master. Follow Line to main Steam drain end. 5m - 8" OD line	Original	Friable	Good		Non Asbestos. Insultech; May 2010			3	Oct-10			
205	T198	NRV 30311	At first HP Mezzanine Level over hand rail Cond Side 2 drain line from under side of Valve 30311. 1 at each end 4" line 10m	Original	Friable	Good					3				
206	T199	NRV 30311	North end to under IP cylinder 7m 24" line	Original	Friable	Good					3				
207	T200	NRV 30321	Cladding on NRV 30321 LP 1 Bled Steam to LP 3 Heater	Original	Friable	Removed	11/02/2011	Removed and replace damaged asbestos cladding. Contractor Name; Insultech.			3	Feb-11	2607	12	24
208	T201	Oil Line	Asbestos Gasket Oil Lines, Flange above Oil Tank	Original	Bonded	Removed	20/04/2011	Identified from survey June 2011; Insultech.			3	Apr-11	2613	2	1

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209	T202	Operating Level	Above GSR Valve 32058 flange heating steam inlet. Valve located South side GSR 1m at floor level 10" line runs North 2m then west 3m then South 2m. 24" up from basement.	Original	Friable	Good					3				
210	T203	Operating Level	From Valve 30300. SFPT Exhaust steam to reheater 20" Line runs east 3m turns south. At upper Mezzanine Level East of 6B HP Heater the line is Asbestos from here 26m to south side of 7A HP Heater 18' above walk way	Original	Friable	Good					3				
211	T204	Operating Level	Metal Cabinet adjacent to LP 2 Turbine PCR side in door No 3 from North end Valve IS7424 Line runs South under Operating Level Floor to Valve 32060 IP Cylinder Flange Heating Regulating 6" line 5m bellow Valve & 26m.	Original	Friable	Good					3				
212	T205	SFPT	Valve 32066 SFPT gland steam supply	Original	Friable	Good					3	Oct-04			
213	T206	SW GSR	Valve 32080 HP Cylinder Flange Heating Relief to quick start air ejector exhaust 19m to SE Corner HP Heater Gallery between Level 1 & 2 then North 13m Non Asbestos then to join Exhaust under Operating level	Original	Friable	Good					3				
214	T207	Turbine Gland	A 'T' to 2-3 Turbine Gland = 3m x 10". A 'T' to 4-5 Turbine Gland = 2m x 10". A 'T' with 2 lines to 6-7 Turbine Gland Length unknown to 10" the line ends A Gland 9.	Original	Friable	Good					3				

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215	T208	Turbine Pipework	Steam Lines from Unit to Mezzanine	Original	Friable	Removed	14/06/2011	Air Monitoring Report; Trio			3	Jun-11		5750	575
216	T209	Turbine Pipework	Turbine Pipework - asbestos gasket	Original	Bonded	Removed	16/02/2011	Removed; Insultech.			3	Feb-11	2608	4	10
217	T210	Turbine Valve	Valve 30013 Air Ejector & Air Discharge to Air Ejector 'B'	Original	Friable	Good					3	Oct-04			
218	T211	Turbine Valve	Valve 30486 LP 1 Body drain valve	Original	Friable	Good					3	Oct-04			
219	T212	Turbine Valve	Valve 32080 & Valve 32081 HP/IP Flange warming relief valves	Original	Friable	Good					3	Oct-04			
220	T213	Upper HP Heater Level	From GSR Dump Valve line to Valve 32064 GSR Bypass to Dump 7m 20" Line North side	Original	Friable	Good					3				
221	T214	Upper HP Heater Level	LP Heater 3 South End East side Drain Line 4" over kick board to basement waterbox 10m	Original	Friable	Good					3				
222	T215	Upper HP Heater Level	LP Heater 4 South End West Side Drain Line 4" through floor to basement waterbox 12m	Original	Friable	Good					3				
223	T216	Upper HP Heater Level	SW Quadrant 7A HP Heater Valve 30363 HP Heater Body Relief 2m through floor Non Asbestos under floor Asbestos 10" line runs East past 7B Heater. Asbestos ends under zone 3 Seal Oil Cooler 10m long	Original	Friable	Good					3				
224	T217	Upper Level HP Heaters Level	14" Line 44m. Rear GSP Station - to Valve 32070 SFPT GS Supply at SFP Level	Original	Friable	Good					3				
225	T218	Upper Level HP Heaters Level	At GS Cond 4" Line 23m to Operating Level above GS Reg to Pressure Gauge next to Valve 32062 GS Reg Bypass	Original	Friable	Good					3				

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226	T219	Upper Level Mezzanine	South end at hand rail Valve 32089 Air Ejector 'B' Steam Inlet Pressure Reg runs West 2m turns North & under GSR up through floor to GSR SE Corner 10m long	Original	Friable	Good					3				
227	T220	Upper Mezzanine Level	Between Handrail & Concrete Plinth 24" line from HP under side North to 'Y' Join at GS Cond 15m	Original	Friable	Good					3				
228	T221	Upper Mezzanine Level	South End at hand rail Valve 32093 Air Ejector 'B' Steam Inlet Master PCR Side of Valve 10" Line 2m intersects with another line that goes South 1m then West 3m then South 2m to join Main Steam Line	Original	Friable	Good					3				
229	T222	Upper Mezzanine Level HP Heater Level	Rear GS Cond 20" Line runs under floor to East side of LP Heater 4 turns North towards SFPT to Valve 34072 SFPT GS Exhaust 36m	Original	Friable	Good					3				
230	T223	Waterbox	3m North of Drain Cooler Drain Line 5m above Waterbox 4" North Side Waterbox	Original	Friable	Good					3				
231	T224	Waterbox	3m North of Drain Cooler. Drain Line 1m above Waterbox 4" South Side Waterbox	Original	Friable	Good					3				
232	T225	Waterbox	LP 4 North end under side under floor 1m - 4" Drain Line to waterbox. To Basement	Original	Friable	Removed	May-10	Asbestos Free; Insultech.			3	Oct-10			
233	T226	Waterbox	LP 4 to LP 3 Heater Line Drain Line 2m West LP 3 under floor 4" line 8m to Waterbox Valve 30514 at Basement North End Cond Flashbox	Original	Friable	Removed	May-10	Non Asbestos; Insultech.			3	Oct-10			

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234	T227	Waterbox	LP 4 to LP 3 Heater West side LP 3 Drain Line to Waterbox 4" - 6m Valve 30513. To Basement	Original	Friable	Removed	May-10	Non Asbestos; Insultech.			3	Oct-10			
235	T228	Waterbox	Reo Removal at North of Cond Flashbox	Original	Friable	Good					3				
236	T229	Waterbox	Valve 31074 LP 1 Heater Waterbox Drain 4" - 4m	Original	Friable	Removed	May-10	1m Non Asbestos; Insultech.			3	Oct-10			
237	T230	Waterbox	Valve 31319 LP 1 Heater Waterbox Vent 4" - 5m	Original	Friable	Removed	May-10	1m Non Asbestos; Insultech.			3	Oct-10			
238	T231	Waterbox	Valve 31320 LP 1 Heater Cond Outlet Vent 5m	Original	Friable	Removed	May-10	1m Non Asbestos; Insultech.			3	Oct-10			
239		DC Contactor Arc Chute	DC Steam Feed Oil Pump Contactor and asbestos wrapped wire potentially located behind arc chute	Original	Bonded	Obscured			Refer Admin Note 1235		3	Jun-13			
240		DC Contactor Arc Chute	LP Hood Spray (water) Contactor and asbestos wrapped wire potentially located behind arc chute	Original	Bonded	Obscured			Refer Admin Note 1235		3	Jun-13			
241		DC Contactor Arc Chute	Main Oil Tank DC Pump Contactor and asbestos wrapped wire potentially located behind arc chute	Original	Bonded	Obscured			Refer Admin Note 1235		3	Jun-13			
242	T232	SFPT	SFP Level Valve 42075 Flange Heating Inlet Master @ NE Corner bellow floor level behind Vertical Column at steps to SFPT NE Corner. 8" line 1 m long junction with Valve SFPT warm up martyr 42013.	Original	Friable	Good					4	Aug-05			
243	T233	1st Mezzanine Level	East Side Centre LP 1 Heater Top 18 " Line - 4m to LP 1 Flashbox	Original	Friable	Good					4	Aug-05			
244	T234	1st Mezzanine Level	First Mezzanine Level North side Valve 40471 to LP 2 Heater Topside North End 9" - 4m	Original	Friable	Good		Plus Vessel in this Line			4	Aug-05			
245	T235	1st Mezzanine Level	SW Corner LP 1 NRV 40316 36" line 13 m North Towards IP Cylinder	Original	Friable	Good					4	Aug-05			

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246	T236	1st Mezzanine Level	West side LP 1 North End Valve 41337 HP Heater Common Vent 8" Line 8 m to Cond	Original	Friable	Good					4	Aug-05			
247	T237	1st Mezzanine Level	West side LP 1 North End. Above Cond Flashbox Valve 40370. LP 4 Heater Bled Steam before NRV Drain 6" line 10 m to under side IP Cylinder	Original	Friable	Good					4	Aug-05			
248	T238	7B HP Heater	Basement NE. Valve 42442 Reheat Desuperheater 'B' Spraywater Reg 5" Line 25m towards SFP under side Valve 42437. Reheat Desuperheater SFP spraywater Isolating. Then 4m Asbestos, 5m Asbestos	Original	Friable	Good					4	Aug-05			
249	T239	7B HP Heater	NE 7B HP Heater 18m above basement 6" line from SFPT Exhaust to reheat. Drain Line to HP/IP Drains Receiver. 8m to Marry with line from No 7 Bled Steam Drain Line. To HP/IP Drains Receiver 4m both continue 4m to non Asbestos	Original	Friable	Good					4	Aug-05			
250	T240	7B HP Heater	NE 7B HP Heater Valve 42440 Reheat Desuperheater 'A' Spraywater Isolating 14m 6" Line	Original	Friable	Good					4	Aug-05			
251	T241	HP/IP Drains Receiver	HP/IP Drains Receiver Bellows Gasket	Original	Bonded	Removed	17/06/2010	Replace asbestos gasket. Contractor Name; Insultech.			4	Jun-10	2531	5	5
252	T242	Air Ejector	Valve 42054 Air Ejector 'A' 1st stage steam inlet	Original	Friable	Good					4	Aug-05			
253	T243	Base Level West Side	6A HP Heater Feedwater Outlet Vent Master 5" - 10m up to feedwater Line	Original	Friable	Good					4	Aug-05			
254	T244	Basement	Drain Line	Original	Friable	Removed	19/06/2010	Air Monitoring Report; Insultech.			4	Jun-10	2536	50	36

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255	T245	Basement South End Cond	24" Line to North End Cond 18m on East Side Cond	Original	Friable	Good					4	Aug-05			
256	T246	Basement South End Cond	Valve 41964 Steam Mains After Strainer Drain Martyr 8" - 15m	Original	Friable	Good					4	Aug-05			
257	T247	Basement Waterbox	2m South 6B HP Heater - 6" line 12 m to under side Air Ejector Exhaust Line	Original	Friable	Good					4	Aug-05			
258	T248	Basement Waterbox	Valve 41306 HP Heater Feed Inlet manifold Vent Master 2m South 6A HP Heater.	Original	Friable	Removed	Aug-05	5" - 10m to Intersect with HP Heater Train Feedwater by Pass. Under Floor @ Upper HP Heater Level South East 4" - 8m 6A HP Heater.			4	Aug-05			
259	T249	Deaerator	Downcomers under DA new cladding over old sheeting	Original	Friable	Good					4	Aug-06			
260	T250	Deaerator	Blowdown line DA to bunker level 1m	Original	Friable	Good					4	Aug-06			
261	T251	EFP	Valve 41104 EFP Disc before feed Reg Drain Martyr. Water box NE SFP Basement 7m - 4" Drain Line	Original	Friable	Good					4	Aug-05			
262	T252	EFP	Valve 41915 Balance leak off EFP Anti Flash Valve @ EFP South End . This 8" Line to Deaerator is marked Asbestos	Original	Friable	Good					4	Aug-05			
263	T253	First Mezzanine HP Heater	GSR Dump Line Drain Line to Cond Flashbox at Basement. From Dump Line end @ first Mezzanine Level SW 3m of 6A HP Heater 4" - 3m	Original	Friable	Good		2m no lagging , then 7 m marked lagging to north end of condenser Flashbox			4	Aug-05			
264	T254	Flashbox Vessel	10m - 10" to LP 2 North end Centre	Original	Friable	Good					4	Aug-05			
265	T255	GSR	Gland steam condenser pipework	Original	Friable	Good					4	Aug-05			

ASBESTOS REGISTER - TURBINE PLANT								SUPPLEMENTARY INFORMATION							
List Ref	Item Ref	Plant	Description	Installation date	Type (Friable, Bonded or Other)	Condition	Removal Status and Date	Comments	Reference Docs	SAP Document	Unit No.	Date Register Updated	ATP No.	Weight (Kg)	Bags Removed
266	T256	GSR	Upper Level HP Heater Mezzanine. GSR Valve 2066 Gland Steam Reg Dump. South 14m - 24 " Non Asbestos. Next 8 m Asbestos then non Asbestos to 'T' Junction	Original	Friable	Good					4	Aug-05			
267	T257	GSR	Valve 40319 Gland steam leak off main set	Original	Friable	Good					4	Aug-05			
268	T258	GSR	Valve 40324 gland steam reg dump section	Original	Friable	Good					4	Aug-05			
269	T259	HP Heaters	6A/6B HP Heater bled steam inlet FCNRV	Original	Friable	Good					4	Aug-05			
270	T260	HP Heaters	Valve 40311 6A/6B HP Heater bled steam inlet FCNRV	Original	Friable	Good					4	Aug-05			
271	T261	Lower Mezzanine Level	Valve 40341 LP 4 Heater Bled Steam Drain after NRV	Original	Friable	Removed	16/12/2011	Top side of Valve 6" - 4m. LP 4 Pressure Relief Drain Lines, 4 lineal metres, not valve; Insultech.			4	Dec-11	2638	5	2
272	T262	Lower Mezzanine Level	Valve 40343 LP 3 Heater Bled Steam before NRV Drain	Original	Friable	Good		Top side of Valve 6" - 8m			4	Aug-05			
273	T263	Lower Mezzanine Level	Valve 40345 LP 3 Heater Bled Steam after NRV Drain	Original	Friable	Good		Top side of Valve 6" - 7m			4	Aug-05			
274	T264	Lower Mezzanine Level	Valve 40350 LP 1 Heater Bled Steam Drain	Original	Friable	Good		Top side of Valve 6" - 2m			4	Aug-05			
275	T265	Lower Mezzanine Level	West side to South End over hand rail Valve 40347. LP 2 Heater Bled Steam Drain 6" - 8m towards Bled Steam Line & under side of Valve 1m - 6"	Original	Friable	Good					4	Aug-05			
276	T266	LP 3	Heater Drain 10 " - 3m to 'T' Junction at Valve 40472	Original	Friable	Good		LP 3 Heater Drain to Condensate Upper Mezzanine South End LP 3 Bellow Floor.			4	Aug-05			
277	T267	LP 3	Upper Mezzanine LP 3 South side North End Valve 40358 9m - 3"	Original	Friable	Good		LP 3 Heater Body Relief to Water box between Drain Cooler			4	Aug-05			
278	T268	LP 4	Upper Mezzanine LP 4 West side North End Valve 40359 10m - 3"	Original	Friable	Good		LP 4 Heater Body Relief to Water box between Drain Cover			4	Aug-05			

ASBESTOS REGISTER - TURBINE PLANT								SUPPLEMENTARY INFORMATION								
List Ref	Item Ref	Plant	Description	Installation date	Type (Friable, Bonded or Other)	Condition	Removal Status and Date	Comments	Reference Docs	SAP Document	Unit No.	Date Register Updated	ATP No.	Weight (Kg)	Bags Removed
279	T269	LP Heater	Low Mezzanine LP Heater SW Corner	Original	Friable	Good		Valve 41342 LP2 Heater Body Vent 5" Line 21m to top side LP Heater 2 North / end			4	Aug-05			
280	T270	LP Heater	Low Mezzanine LP Heater SW Corner	Original	Friable	Good		Valve 41346 LP 4 Heater Body Vent 5" Line 20m to top side LP Heater 4 north/end			4	Aug-05			
281	T271	LP Heater	Low Mezzanine LP Heater SW Corner	Original	Friable	Good		Valve 41338 Drain cooler Body Vent 5" Line 1m Under side of Valve.			4	Aug-05			
282	T272	LP Heater	Low Mezzanine LP Heater SW Corner	Original	Friable	Good		Valve 41344 LP 3 Heater Body Vent 5" Line 14m towards LP 3 North End Top Side.			4	Aug-05			
283	T273	LP Heater	Low Mezzanine LP Heater SW Corner	Original	Friable	Good		Valve 41340 LP 1 Heater Body Vent 5 " line 17m to LP1 Top Side North End			4	Aug-05			
284	T274	LP Heater	LP 1 Heater bled steam line to Valve 42066		Friable	Good					4	Aug-05			
285	T275	LP Heater	Upper Mezzanine Level. SW Corner LP Heater Gallery over hand rail. Valve 42073 SFPT to 'T' Junction at Lower LP Heater Gallery @ NRV 40316 West of LP Heater south end 10" - 8m	Original	Friable	Good					4	Aug-05			
286	T276	LP Heater	LP Heater Loop Pipe North End	Original	Friable	Removed	15/07/2010	Renew Insulation - Air Monitoring Report; Insultech.			4	Jul-10	2543	10	4
287	T277	LP Heater Water Box	LP Heater Waterbox Basement North East SFPT Drains Receiver to Feed Reg Stn	Original	Friable	Good		Valve 41094 SFP Discharge before feed Isolating Drain Master 4" - 15m			4	Aug-05			
288	T278	LP Heater Waterbox	LP Heater Waterbox Basement North East SFPT Drains Receiver to Feed Reg Stn	Original	Friable	Good		Valve 41106 SFP Disc after feed Isolating Drain Master 4" - 9m			4	Aug-05			
289	T279	LP Heater Waterbox	LP Heater Waterbox Basement North East SFPT Drains Receiver to Feed Reg Stn	Original	Friable	Good		Valve 41304 SFP Disc Vent Master 4' - 11m			4	Aug-05			
290	T280	LP Heater Waterbox	LP Heater Waterbox Basement North East SFPT Drains Receiver to Feed Reg Stn	Original	Friable	Good		Valve 41302 Feed Reg Stn Feedwater Inlet Vent Master 4" - 11m			4	Aug-05			
291	T281	LP Heaters	LP 1 Heater body relief	Original	Friable	Good					4	Aug-05			

ASBESTOS REGISTER - TURBINE PLANT								SUPPLEMENTARY INFORMATION							
List Ref	Item Ref	Plant	Description	Installation date	Type (Friable, Bonded or Other)	Condition	Removal Status and Date	Comments	Reference Docs	SAP Document	Unit No.	Date Register Updated	ATP No.	Weight (Kg)	Bags Removed
292	T282	LP Heaters	LP 1 Valve 40474 to LP 2 Heater drain	Original	Friable	Good					4	Aug-05			
293	T283	LP Heaters	LP 3 to LP 1	Original	Friable	Good					4	Aug-05			
294	T284	LP Heaters	LP 4 heater drain to LP 3 heater flow reg	Original	Friable	Good					4	Aug-05			
295	T285	LP Heaters	Valve 40345 & Valve 40343 & Valve 40341 LP 3 Heater bled steam after FCNRV drain	Original	Friable	Good					4	Aug-05			
296	T286	LP Heaters	Valve 40467 LP 4 heater bled steam before NRV drain to Valve 40319 Turbine block	Original	Friable	Good					4	Aug-05			
297	T287	LP Heaters	Valve 41120 LP 4 & LP 3 & LP 2 & LP 1 drain lines	Original	Friable	Good					4	Aug-05			
298	T288	LP Heaters	Valve 41120 LP 4 Heater Waterbox Relief and Valve 41328 LP 4 Heater Waterbox Vent	Original	Friable	Removed	2/07/2010	Insultech.			4	Jul-10	2542	15	15
299	T289	LP Heaters	Valve 41342 & Valve 41346 & Valve 41338 & Valve 41344 & Valve 41340 body vents	Original	Friable	Good					4	Aug-05			
300	T290	LP Waterbox	Basement Southern End Drain Cooler LP Waterbox	Original	Friable	Good		Valve 41326 LP3 Heater Condensate Outlet Line 3" - 9m			4	Aug-05			
301	T291	LP Waterbox	Basement Southern End Drain Cooler LP Waterbox	Original	Friable	Good		Valve 41325 LP3 Heater Waterbox Vent 3" - 6m			4	Aug-05			
302	T292	LP Waterbox	Basement Southern End Drain Cooler LP Waterbox	Original	Friable	Good		Valve 40488 LP3 Heater Body Drain 3" - 8m			4	Aug-05			
303	T293	LP Waterbox	Basement Southern End Drain Cooler LP Waterbox	Original	Friable	Good		Valve 41082 LP3 Heater Waterbox Drain 3" - 7m			4	Aug-05			
304	T294	LP2	South End Valve 41116 top of Heater to Waterbox 4" - 6m	Original	Friable	Good					4	Aug-05			
305	T295	LP3 Heater	South End LP3 Heater Top Side	Original	Friable	Good		Valve 41118 to Water Box 4" - 8m			4	Aug-05			
306	T296	LP3 Heater Drain	Basement Condenser Flashbox east side LP3 Heater Drain to Condenser Valve 0473 9" - 19m	Original	Friable	Good		LP Heater to LP 2 Flashbox Control to Valve 40471			4	Aug-05			
307	T297	LP4	South End Valve 41120 Top of Heater to Waterbox 4" - 9m	Original	Friable	Good					4	Aug-05			

ASBESTOS REGISTER - TURBINE PLANT								SUPPLEMENTARY INFORMATION							
List Ref	Item Ref	Plant	Description	Installation date	Type (Friable, Bonded or Other)	Condition	Removal Status and Date	Comments	Reference Docs	SAP Document	Unit No.	Date Register Updated	ATP No.	Weight (Kg)	Bags Removed
308	T298	Main Steam Drain	MS drains before and after strainers to valve station north end of basement 115m	Original	Friable	Good					4	Aug-06			
309	T299	North Turbine House Wall Gantry	Valve 41962 Steam Mains before strainers Drain Martyr 10" Line East of Valve 6m 12" line 47m	Original	Friable	Good					4	Aug-05			
310	T300	North Turbine House Wall Gantry	Valve 41965 Steam Mains Heat Up Vent Master 10" - 15m Both Sides of Valve	Original	Friable	Good					4	Aug-05			
311	T301	Operating Level	East HP Cylinder Valve Wheel Station Gland Steam Exhaust Pressure 13m x 4" HP. 4J30P30 to GS Cond 6M - 8"	Original	Friable	Good					4	Aug-05			
312	T302	Operating Level	North Side SFPT Valve 40308 SFP Exhaust Steam to Dump Tube. Drops into Cond Line above NW Corner SFPT Level	Original	Friable	Good					4	Aug-05			
313	T303	SFPT	4" line from SFPT flange heating exhaust to Valve 47422 (underfloor) SFPT flange heating steam supply pressure primary 1v P569 2m-3"	Original	Friable	Good					4	Aug-05			
314	T304	SFPT	Basement at SFPT Drains Receiver Body Asbestos	Original	Friable	Good					4	Aug-05			
315	T305	SFPT	Basement at SFPT Drains Receiver NE End Valve 0354 to SFPT under side 5" line 3 m	Original	Friable	Good					4	Aug-05			
316	T306	SFPT	Basement at SFPT Drains Receiver NW end Valve 40369 Deaerator bled steam before isolating Drain 16m - 5"	Original	Friable	Good					4	Aug-05			
317	T307	SFPT	Basement at SFPT Drains Receiver NW end Valve 42011. SFPT Gland steam intermediate line drain 4" - 3m	Original	Friable	Good					4	Aug-05			

ASBESTOS REGISTER - TURBINE PLANT								SUPPLEMENTARY INFORMATION							
List Ref	Item Ref	Plant	Description	Installation date	Type (Friable, Bonded or Other)	Condition	Removal Status and Date	Comments	Reference Docs	SAP Document	Unit No.	Date Register Updated	ATP No.	Weight (Kg)	Bags Removed
318	T308	SFPT	Basement Level NE End SFPT Drains Receiver 10" 2m line from receiver to Valve 42077 SFPT flange heating exhaust	Original	Friable	Good					4	Aug-05			
319	T309	SFPT	Basement SFP Drains Receiver North East end Valve 42010 SFPT Gland steam supply line Drain 8" line 3m then 5" line 1m then 8" line 2m to 'T' junction with gland steam	Original	Friable	Good					4	Aug-05			
320	T310	SFPT	Operating Level South SFPT Valve 40300 SFPT exhaust steam to reheat. West of Valve 5m Asbestos	Original	Friable	Good					4	Aug-05			
321	T311	SFPT	Operating Level South Side SFPT Valve 40365 SFPT Exhaust Steam Relief. Heads East 12" - 9m, to no insulation	Original	Friable	Good					4	Aug-05			
322	T312	SFPT	SFPT Drains Panel NE corner from pressure gauge to 'T' junction with SFPT flange heating exhaust under floor	Original	Friable	Good					4	Aug-05			
323	T313	SFPT	SFPT exhaust to Reheat North of HP Heaters 18 m above basement from NE Bend Towards Turbine12m - 24" line	Original	Friable	Good					4	Aug-05			
324	T314	SFPT	SFPT Level NE Corner. Valve 42070 SFPT gland steam supply. Towards SFPT 4m non Asbestos the 3m 12" line to flange next to SFPT	Original	Friable	Good					4	Aug-05			
325	T315	SFPT	Valve 40308 Drain lines to tundish	Original	Friable	Good					4	Aug-05			
326	T316	SFPT	Valve 40308 to Valve 40365 SFPT exhaust steam relief	Original	Friable	Good					4	Aug-05			

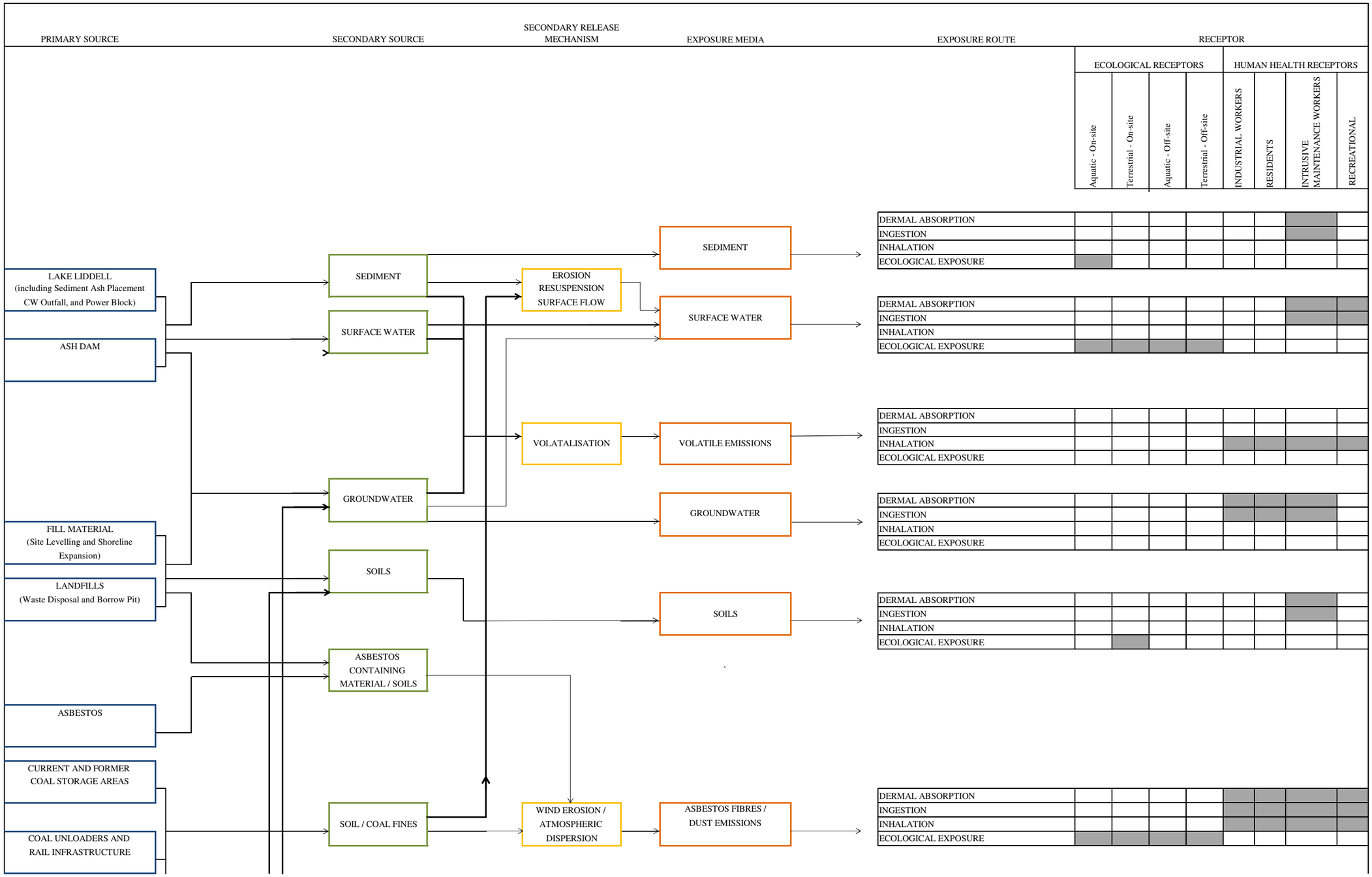
ASBESTOS REGISTER - TURBINE PLANT								SUPPLEMENTARY INFORMATION							
List Ref	Item Ref	Plant	Description	Installation date	Type (Friable, Bonded or Other)	Condition	Removal Status and Date	Comments	Reference Docs	SAP Document	Unit No.	Date Register Updated	ATP No.	Weight (Kg)	Bags Removed
327	T317	SFPT	Valve 42072 SFPT Flange Heating Exhaust towards SFP under floor 8m 8" line and 2m - 12" on north side of Valve 42072	Original	Friable	Good					4	Aug-05			
328	T318	SFPT	Valve 42073 SFPT gland steam leak off diverter	Original	Friable	Good					4	Aug-05			
329	T319	SFPT	Valve 42075 @ SFP Level flanged heating inlet master. NE corner below SFPT Level towards steamer 10" line Asbestos. 3m then to 6" line 1m to under side of SFP	Original	Friable	Good					4	Aug-05			
330	T320	SFPT	Valve 42076 SFPT flange heating inlet reg valve	Original	Friable	Good					4	Aug-05			
331	T321	SFPT	Valve 42077 SFPT flange heating exhaust under floor 9m 8" line to SFPT	Original	Friable	Good					4	Aug-05			
332	T322	Turbine	Basement East side SFP Valve 41936 SFP Casing warm up. Towards junction with EFP. Casing warm up 3m x 4".	Original	Friable	Good					4	Aug-05			
333	T323	Turbine	Basement West side EFP Valve 41937 Casing warm up - 30m towards junction with 'A' HP Heater Train Feedwater Bypass Valve 41060 to feed reg station is Non Asbestos, 8m - 5" is Asbestos	Original	Friable	Good					4	Aug-05			
334	T324	Turbine	Valve 40316 Deaerator bled steam inlet FCNRV	Original	Friable	Good					4	Aug-05			
335	T325	Turbine Valve	Valve 40347 LP 2 bled steam drain valve	Original	Friable	Good					4	Aug-05			
336	T326	Turbine Valve	Valve 40350 LP 1 bled steam drain valve	Original	Friable	Good					4	Aug-05			
337	T327	Turbine Valve	Valve 42013 BFP Warm-up Line Isolating Valve	Original	Friable	Good					4	Aug-05			
338	T328	Turbine Valve	Valve 42058 Flange Heating steam inlet isolating valve	Original	Friable	Good					4	Aug-05			

ASBESTOS REGISTER - TURBINE PLANT								SUPPLEMENTARY INFORMATION							
List Ref	Item Ref	Plant	Description	Installation date	Type (Friable, Bonded or Other)	Condition	Removal Status and Date	Comments	Reference Docs	SAP Document	Unit No.	Date Register Updated	ATP No.	Weight (Kg)	Bags Removed
339	T329	Turbine Valve	Valve 42069 unloading gear steam supply isolating valve	Original	Friable	Good					4	Aug-05			
340	T330	Upper Mezzanine Level	GS Reg North Side 5" Line 1m - then to 8" Line through Floor. South 2m drops to under side Lower HP Heater Level, Turns West 2m then South to Cond Flashbox	Original	Friable	Good					4	Aug-05			
341	T331	Upper Mezzanine Level	HP Heater Air Ejector Valve 42054 Air Ejector 'A' 1st stage steam inlet 4m - 6" Line	Original	Friable	Good					4	Aug-05			
342	T332	Upper Mezzanine Level	HP Heater Level North End Valve 42050 QS Air Ejector Steam Inlet Martyr		Friable	Good		12" Line West then South to QS Air Ejector Exhaust. 17m.			4	Aug-05			
343	T333	Upper Mezzanine Level	HP Heater Level North End Valve 42091 QS Air Ejector Steam Inlet Master 10" - 5m to North 1st 2m Asbestos Free	Original	Friable	Good					4	Aug-05			
344	T334	Upper Mezzanine Level	HP Heaters North End Valve 42052 Air Ejector 'A' Steam Inlet Martyr 3m	Original	Friable	Good					4	Aug-05			
345	T335	Upper Mezzanine Level	HP Heaters North End Valve 42093 Air Ejector 'B' Steam Inlet Master 2m to 'T' Junction with QS Air Ejector Line	Original	Friable	Good					4	Aug-05			
346		DC Contactor Arc Chute	DC Steam Feed Oil Pump Contactor and asbestos wrapped wire potentially located behind arc chute	Original	Bonded	Obscured			Refer Admin Note 1235		4	Jun-13			
347		DC Contactor Arc Chute	LP Hood Spray (water) Contactor and asbestos wrapped wire potentially located behind arc chute	Original	Bonded	Obscured			Refer Admin Note 1235		4	Jun-13			
348		DC Contactor Arc Chute	Main Oil Tank DC Pump Contactor and asbestos wrapped wire potentially located behind arc chute	Original	Bonded	Obscured			Refer Admin Note 1235		4	Jun-13			

Annex G

Preliminary Conceptual Site Model

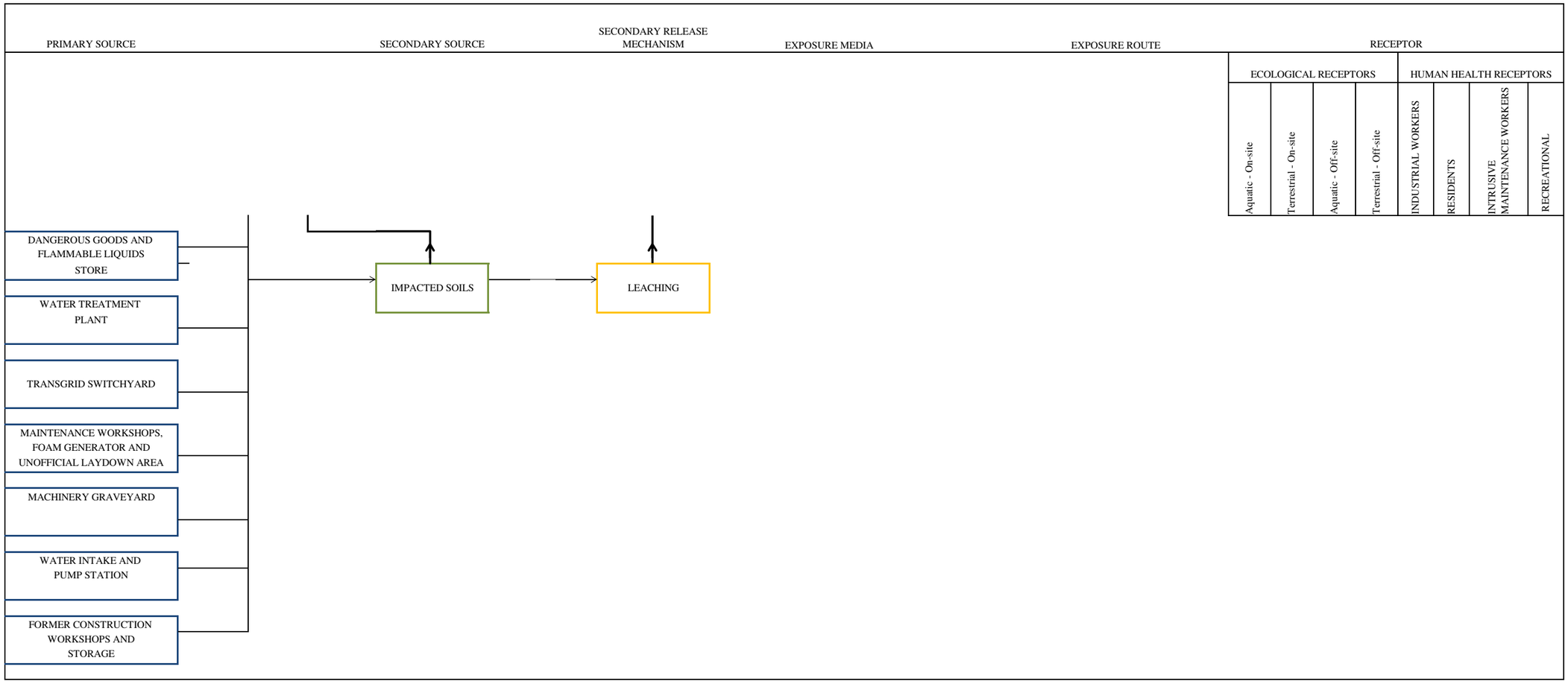
Generalised Conceptual Site Model - Liddell Power Station



Generalised Conceptual Site Model - Liddell Power Station

PRIMARY SOURCE	SECONDARY SOURCE	SECONDARY RELEASE MECHANISM	EXPOSURE MEDIA	EXPOSURE ROUTE	RECEPTOR							
					ECOLOGICAL RECEPTORS				HUMAN HEALTH RECEPTORS			
					Aquatic - On-site	Terrestrial - On-site	Aquatic - Off-site	Terrestrial - Off-site	INDUSTRIAL WORKERS	RESIDENTS	INTRUSIVE MAINTENANCE WORKERS	RECREATIONAL
COAL CONYEORS												
AMMONIA PLANT												
HUNTER VALLEY GAS TURBINES												
OIL AND GRIT TRAP												
BULK FUEL STORAGE												
POWER GENERATING UNITS												
TRANSFORMER AREA												
SITE DRAINAGE NETWORK												

Generalised Conceptual Site Model - Liddell Power Station



LEGEND

Primary Source

Secondary Source

Release Mechanism

Exposure Media

Potentially Complete Pathway

Incomplete Pathway

Annex H

Data Quality Objectives and Detailed Investigation Methodology

H.1 DATA QUALITY OBJECTIVES

H.1.1 Step 1: State the Problem

Objectives

The objectives of the Preliminary ESA are as stated in *Section 1.2*.

H.1.2 Step 2: Identify the Decisions

Decision Statements

Overall, the principal decision to be made is whether there are actual or potential material contamination issues related to the proposed sale of the power generation assets. Additional decisions to be made include:

- Is there sufficient data to provide an environmental baseline at the time of the transaction?
- What is the nature and extent of soil, sediment and/or groundwater impact on / beneath the sites?
- Does the impact at the sites represent a risk to human health, based on the current and continued use of the sites?
- Is the impact at the sites likely to warrant regulation under the *Contaminated Land Management Act 1997* and remediation?
- Is material remediation likely to be required?

Assessment Criteria

The proposed sources of site assessment criteria are presented in *Section H.1.5*.

Waste Classification for Off-Site Disposal

Any excess soil or groundwater generated during the Stage II program will be classified in accordance with the NSW Department of Environment, Climate Change and Water (2009) *Waste Classification Guidelines, Part 1: Classifying Waste* and relevant associated Chemical Control Orders.

H.1.3 Step 3: Identify Inputs to Decision

The inputs required to make the above decisions are as follows:

- Existing relevant environmental data, taking into consideration the number and location of existing soil and groundwater sampling locations, the construction of existing groundwater monitoring wells and the date of the most recent groundwater monitoring event;

- direct measurement of environmental variables including soil type, soil gas concentrations, odours, staining, water strike and groundwater level and water quality parameters;
- laboratory measurement of soil and groundwater samples for one or more of the identified COPCs;
- field and laboratory quality assurance/quality control data;
- the relevant soil and water quality criteria outlined previously; and
- assessment of whether the concentrations of the COPCs are greater than or equal to or less than the adopted criteria.

H.1.4 Step 4: Define the Study Boundaries

Spatial Boundaries

The site locations and descriptions are provided in *Section 2*.

Constraints within the Study Boundaries

Constraints on the delivery of the Stage II program within the study boundaries may include:

- location of underground and overhead services or infrastructure;
- the condition of existing monitoring wells; and
- obtaining permission/access to enter and sample in operational on-site and off-site areas (where deemed necessary).

H.1.5 Step 5: Develop a Decision Rule

The DQOs have been designed to facilitate the collection of adequate soil and groundwater data to address the decisions in Step 2 of the DQO process. Some project constraints may impact on the implementation of the Stage 2 program, for example access to certain locations may be restricted by the presence of sub-surface services. Deviations from the Stage 2 program will be communicated to the relevant project stakeholders during the course of the assessment and discussed in the Stage 2 report, acknowledging the source of any available information and any limitations on the assessment.

Field and Laboratory QA/QC

The suitability of soil and groundwater data will be assessed based on acceptable limits for field and laboratory QA/QC results outlined in relevant guidelines made or endorsed under the *Contaminated Land Management Act 1997*.

In the event that acceptable limits are not met by laboratory analyses, the field observations relating to the nature of the samples will be reviewed and if no obvious source for the non-conformance is identified, such as an error in sampling, preservation of sample/s or heterogeneity of sample/s, liaison with the laboratories will be undertaken in an effort to identify the issue that had given rise to the non-conformance.

If the soil and groundwater data is deemed to be unsuitable, additional analyses may be undertaken on the original sample/s, on duplicate samples or on other samples, if required to meet the objectives of the assessment. If no explanation for the non-conformance is identified, the concentrations for the affected samples will be considered as an estimate.

Assessment Criteria

Individual soil, sediment, surface water and groundwater data, along with the maximum, minimum, mean, standard deviation and 95% Upper Confidence Limit (UCL) of the mean concentration (if required) will be compared to the relevant assessment criteria. Exceedence of the assessment criteria will not necessarily indicate the requirement for remediation or a risk to human health and / or the environment. If individual or 95% UCL concentrations exceed the assessment criteria, consideration of the extent of the impact, the potential for receptors to be exposed and regulatory compliance will be considered.

The adopted assessment criteria have generally been sourced from guidelines made or approved under the *Contaminated Land Management Act 1997*, which includes the NEPM and where alternative sources have been utilised appropriate justification has been provided.

Soil

Soil data will be assessed against investigation criteria published in the following documentS:

- NEPC (2013) *National Environment Protection (Assessment of Site Contamination) Amendment Measure 2013 (No. 1)* Schedule B1 Guideline on the Investigation Levels for Soil and Groundwater.

- Health Investigation Level (HIL) 'D' – Commercial/Industrial HIL 'C' – Public Open Space and Ecological Investigation / Screening Levels (EILs/ESLs) (as applicable).

It is noted that laboratory analysis for pH and CEC is required to establish site specific EILs/ESLs, and an assessment of background conditions may be necessary.

The establishment of EILs/ESLs will be undertaken in preparation of the Stage 2 report, and sample locations in up-gradient non-operational areas may be utilised in establishing background conditions. Further, it is noted that whilst the HIL 'C' screening criteria are generally not applicable to undeveloped, urban bushlands and reserves, they will be adopted at sampling locations in non-operational areas considered to present a more sensitive land use category. Application of the HILs will be considered on a case by case basis in accordance with the NEPM 2013 amendment to reflect local conditions encountered at the time of the intrusive works.

Health Screening Levels for Vapour Intrusion and Direct Soil Contact (HSL) 'D' – Commercial/Industrial and Health Screening Levels for Vapour Intrusion and Direct Soil Contact Intrusive Maintenance Worker (Shallow Trench) will also be adopted;

Where no Australian-endorsed assessment criteria are available, reference to the National Institute of Public Health and the Environment (RIVM) (2001) *Technical Evaluation of the Intervention Values for Soil/sediment and Groundwater: Human and Ecotoxicological Risk Assessment and Derivation of Risk Limits for Soil, Aquatic Sediments and Groundwater* - Human Toxicological Serious Risk Concentrations in soil (SRC_{human} soil) will be made. It is noted that these guideline values have no regulatory standing in NSW and hence further assessment of any exceedences of these criteria may be required.

Water

Water data will be assessed against investigation criteria published in the NEPC (2013) *National Environment Protection (Assessment of Site Contamination) Amendment Measure 2013 (No. 1)* Schedule B1 Guideline on the Investigation Levels for Soil and Groundwater which references the following guidance:

- Australian and New Zealand Environment and Conservation Council (ANZECC) and Agriculture and Resource Management Council of Australia and New Zealand (ARMCANZ) (2000) *Australian and New Zealand Guidelines for Fresh and Marine Water Quality*. Trigger values for marine water, level of protection 95% species and Trigger values for marine water, level of protection 99% species (for bioaccumulation of mercury and for locations intercepting groundwater potentially flowing toward the protected wetland to the west);

- National Health and Medical Research Council (NHMRC) and National Resource Management Ministerial Council (NRMMC) (2011) *Australian Drinking Water Guidelines Paper 6 National Water Quality Management Strategy*;

- NHMRC (2008) *Guidelines for Managing Risks in Recreational Waters* (note that these will be applied with reference to NHMRC and NRMMC 2011 – referenced above); and

- Cooperative Research Centre for Contamination Assessment and Remediation of the Environment (CRC CARE) (2011) *Technical Report No. 10, Health Screening Levels for Petroleum Hydrocarbons in Soil and Groundwater*. Health Screening Levels for Vapour Intrusion (HSL) 'D' – Commercial/Industrial and Health Screening Levels for Vapour Intrusion Intrusive Maintenance Worker (Shallow Trench).

Where no Australian-endorsed assessment criteria are available, reference to the National Institute of Public Health and the Environment (RIVM) (2001) *Technical Evaluation of the Intervention Values for Soil/sediment and Groundwater: Human and Ecotoxicological Risk Assessment and Derivation of Risk Limits for Soil, Aquatic Sediments and Groundwater*. Human Toxicological Serious Risk Concentrations in Groundwater (SRC_{human} groundwater). It is noted that these guideline values have no regulatory standing in NSW and hence further assessment of any exceedences of these criteria may be required.

Sediment

Sediment quality data will be assessed against investigation criteria published in:

- ANZECC / ARMCANZ (2000) *Australian and New Zealand Guidelines for Fresh and Marine Water Quality* - Interim Sediment Quality Guidelines (ISQGs), or the equivalent Commonwealth of Australia (2009) *National Assessment Guidelines for Dredging*.

Appropriateness of LOR

Comparison of the laboratory Limit of Reporting (LOR) to the assessment criteria will be undertaken to confirm that the assessment criteria are less than the laboratory LOR, any exceptions to this will be appropriately noted and justified.

H.1.6 Step 6: Specify Limits on Decision Errors

The acceptable limits on decision errors applied during the review of the results will be based on the Data Quality Indicators (DQIs) of precision, accuracy, representativeness, comparability and completeness (PARCC) in accordance with the NEPC (2013) *National Environment Protection (Assessment of Site Contamination) Amendment Measure 2013 (No.1)*, Schedule B (3) - Guidelines on Laboratory Analysis.

The potential for significant decision errors will be minimised by:

- completing a robust Quality Assurance/Quality Control (QA/QC) assessment of the validation data and application of the probability that 95% of data will satisfy the DQIs, therefore a limit on the decision error would be 5% that a conclusive statement may be incorrect;
- assessing whether appropriate sampling and analytical density has been achieved for the purposes of providing a baseline of soil, sediment and groundwater conditions at the point of transaction; and
- ensuring that the criteria set was appropriate for the ongoing use of the site as a power generation facility.

H.1.7 Step 7: Develop (Optimise) the Plan for Completing The Works

The DQOs have been developed based on a review of existing data, discussions with Macquarie Generation. If data gathered during the assessment indicates that the objectives of the assessment programme are not being met, the sampling design (including sampling pattern, type of samples and analytes) will be adjusted accordingly using feedback (where necessary) from project stakeholders.

H.2 DETAILED SOIL AND GROUNDWATER INVESTIGATION METHODOLOGY

H.2.1 Sub-Surface Clearance

All proposed drilling locations will be cleared of underground and above ground utilities in accordance with ERM's Sub-Surface Clearance (SSC) Procedure. The key steps involved in ERM's SSC procedure include:

- assigning a SSC Experienced Person (EP) who is responsible for all SSC activities;
- obtaining Dial Before You Dig Plans and marking out public utilities if required;
- obtaining site utility plans (where available) and obtaining approval from the site contact for the proposed drilling locations;
- conducting a site walkover to identify any visual clues of site services;
- checking all locations for the presence of underground services using a cable location tool;
- where possible soil bores will be located to avoid working in critical areas, defined as areas with 3 m of a subsurface obstruction; and

- each soil bore will be cleared using a hand auger or Non-Destructive Drilling (NDD) to a depth of 1.2 m bgl in non-critical zones or 2.3 m bgl in areas classed as critical zones.

H.2.2 Soil Bore Drilling

Soil bores will be drilled in accordance with ERM SOPs using the general methodology outlined below:

- where necessary, hardstand drilling locations will be penetrated using a concrete corer prior to physical borehole clearance and drilling;
- each soil bore will be cleared using a hand auger or Non-Destructive Drilling (NDD) techniques to the depth required by ERM's SSC Procedure;
- a drilling rig, incorporating direct push-tube methodology will be used to advance the boreholes to the target depth or until deemed refusal is encountered;
- prior to the commencement of drilling and between drilling locations, all down-hole drilling equipment will be decontaminated to minimise potential for cross contamination between the sampling locations.

H.2.3 Soil Sampling Protocol

Soil samples will be collected and logged in accordance with ERM SOPs. In summary the following work procedures will be followed:

- the soil will be logged by an appropriately trained and experienced scientist/engineer to record the following information: soil/rock type, colour, grain size, sorting, angularity, inclusions, moisture condition, structure, visual signs of contamination (including staining and fragments of fibre cement sheeting) and odour in general accordance with AS 1726-1993;
- soil samples will be collected from the surface and at 0.5 m intervals thereafter, or from each lithological unit (whichever is greater);
- suitable PPE including fresh disposable nitrile gloves will be used during sampling and equipment decontamination;
- a duplicate of each soil sample collected for field screening will be placed in sealed zip lock bags and screened in accordance with ERM SOPs using a PID fitted with a 10.6 eV lamp, calibrated at the beginning of each working day. Where the presence of VOCs or other impact is suspected, additional laboratory analysis may be undertaken;

- a representative soil samples will be collected (to the extent practicable) in accordance with techniques described in Australian Standard AS4482 (Part 2) to maintain the representativeness and integrity of the samples. The samples will be placed in pre-treated laboratory supplied sample containers. The containers will be filled, where practical, to minimise headspace, before being sealed and appropriately labelled. Labels will include the following information:
  - sample identification number;
  - job number; and
  - date of collection.
- field quality control/quality assurance (QA/QC) samples will be collected including field duplicates, inter-laboratory duplicates, rinsate blanks, trip blanks and trip spikes (as required).
- sample jars will be sealed and immediately placed in a cooler on ice to minimise potential degradation of organic compounds.

H.2.4 Soil Bore and Test Pit Reinstatement

Upon completion soil bores will be backfilled and the surface covering reinstated to match existing.

H.2.5 Waste Materials Generated During Drilling

All non-liquid waste materials generated during drilling works will be stored on-site in drums or other appropriate sealed containers at a designated staging area. If evidence of significant contamination is observed during drilling (eg staining or odour) an attempt will be made to store any potentially impacted wastes separately. All wastes will be disposed off-site to an appropriately licenced landfill by an approved and appropriately licensed waste removal contractor

H.3 GROUNDWATER INVESTIGATION

H.3.1 Groundwater Well Installation

Selected boreholes will be converted to groundwater monitoring wells in accordance with ERM SOPs. The following methodology will be implemented to install the new monitoring wells.

- the wells will be constructed of 50 mm diameter factory slotted screen (0.4 mm slots) and blank uPVC well materials. The wells will be screened within groundwater bearing strata and constructed to allow the ingress of non-aqueous phase liquids (NAPLs) which may be present;

- the well casing and screen will be inserted into the borehole. Washed and graded filter sand will be poured into the annulus between the well screen and borehole wall, ensuring that the sand covers the entire screened level and extends at least 0.5 m above the top of the screen;
- bentonite pellets will then be poured on top of the sand at a minimum thickness of one metre and hydrated to effectively seal off the well from surface water or perched / shallow groundwater inflows; and
- each well will be grouted using cement /bentonite grout to within 0.5 m of the surface and the final 0.5 m reinstated with concrete and a heavy duty cover, well casing will be sealed with air-tight, lockable 'envirocaps';
- the well cap will be labelled with the groundwater monitoring well I.D.;
- following monitoring well installation, each well will be developed to remove any fine materials or contaminants potentially introduced during drilling. Wells will be considered developed when either a minimum of ten well volumes had been removed, or when water quality parameters stabilise or if the well is pumped dry prior to this. Where sufficient well volumes cannot be obtained, attempts will be made to remove fines and construction material by purging the well over several days to allow for recharge.

H.3.2 Groundwater Purging and Sampling Protocol

Where new monitoring wells are installed, groundwater purging and sampling will occur at least one week after well installation and development to allow subsurface conditions to stabilise.

The well cap will be partially removed to allow the headspace to be screened using a calibrated PID over a period of one minute. The presence of odours will also be noted following removal of the well cap and described by reference to their intensity and character. Following a period of no pumping (as a minimum 24 hours) all wells will be dipped to gauge the depth of groundwater and if necessary the presence and depths of NAPLs. Wells will be purged using a thoroughly decontaminated peristaltic pump under low flow conditions until sufficient water has been removed to obtain stabilised readings of pH, conductivity, redox potential, temperature and dissolved oxygen which was calibrated prior to use. The stabilisation criteria are as described in *Table H.1* below.

Table H.1 Water quality parameter stabilisation criteria

Parameter	Stabilisation criteria
pH	± 0.1 pH units
Electric Conductivity (EC)	± 3% (µS/cm or mS/cm)
Temperature	± 0.5°C
Oxidation Reduction Potential (ORP)	± 10 mV
Dissolved Oxygen (DO)	± 0.3 mg/L

It is noted that both ORP and DO are typically slower to stabilise than the other parameters, and may be particularly unstable when not using a closed flow through cell. In this case, greater weight will be given to pH and EC as the 'stabilising' parameters.

Low-flow sampling techniques will be used to obtain samples that are representative of the local groundwater environment at the site. The inlet of the low-flow pump will be placed approximately 50 cm from the base of the well in order to obtain a representative sample of the aquifer. Water samples will be collected using equipment dedicated to each monitoring well to eliminate the potential for cross-contamination between sample locations.

The following order of sampling will be adopted:

- samples to be analysed for volatile compounds placed into 40 mL amber vials;
- samples to be analysed for semi-volatile compounds placed in 250 mL solvent washed amber bottles; and
- samples to be analysed for metals filtered through disposable cartridges containing 0.45 µm filters and placed in 125 mL plastic bottles preserved with nitric acid.

If NAPL is observed in any groundwater wells, attempts will be made to collect a representative sample of the NAPL for characterisation using a dedicated disposable bailer.

The containers will be filled, where practical, to minimise headspace, before being sealed and appropriately labelled. Labels will include the following information:

- sample identification number;
- job number; and
- date of collection.

Sample jars will be sealed and placed in a cooler on ice immediately to minimise potential for degradation of the sample.

H.3.3 Waste Materials Generated During Groundwater Development/Purging

Water from development of the wells will be collected and stored in appropriately labelled dedicated drums or an intermediary bulk container (IBC) within the designated staging area. The water will be classified and disposed off-site in accordance with relevant NSW Waste Classification Guidelines.

H.4 SEDIMENT INVESTIGATION

Sediment samples will be collected in general accordance with the methodologies outlined in CSIRO (2005) *Handbook for Sediment Quality Assessment* via the use of either a stainless steel grab sampler or via direct push coring utilising polycarbonate sampling tubes (dependent on water depth and site specific conditions). Sample handling, labelling and decontamination procedures will be aligned with those adopted for soil sampling and those outlined in CSIRO (2005).

H.5 SURFACE WATER INVESTIGATION

Surface water samples may be collected from Tinkers Creek and the unnamed creek flowing north east from the HVGT and discharges into Lake Liddell, along with Lake Liddell itself. Surface water samples (if incorporated) will be collected by hand using a swing sampler placed at least 100 mm below the surface of the water. Samples will be collected beneath the surface of the water with the container facing upstream, while avoiding disturbing substrate.

Sample containers will be sealed and immediately placed in a cooler on ice to minimise potential degradation of organic compounds. The samples will be transported under chain of custody documentation to a NATA accredited laboratory at the end of each day, and analysed for the analytical suite presented in *Table I.1, Annex I*. A calibrated water quality meter will be used to analyse this subsample for field parameters including pH, conductivity, redox potential, temperature and dissolved oxygen. Observations of the general condition of the surface water and its surrounds will also be recorded during sampling.

H.6 SURVEY

All groundwater wells (excluding existing groundwater monitoring wells) will be surveyed to Australian Height Datum (AHD) for elevation and Map Grid of Australia (MGA) coordinates for location.

For groundwater monitoring wells, the elevation of the highest point of the top of the PVC casing will be measured. A notch will be embedded in the casing to indicate the location surveyed. This mark will be the measuring point for future groundwater elevation measurements. This will allow for the appropriate groundwater elevations calculations and groundwater flow direction interpretations.

H.7 LABORATORY ANALYSIS

H.7.1 Sample Handling

Primary samples will be couriered under chain of custody documentation to ALS Environmental Pty Ltd (ALS), a NATA accredited analytical laboratory. Inter-laboratory duplicate samples will be couriered under chain of custody documentation to Envirolab Services Pty Ltd (Envirolab) also a NATA accredited analytical laboratory. Soil and groundwater samples will be analysed for a suite of COPCs listed below with some samples in specific areas being scheduled for additional analysis as outlined in *Tables I.2 and I.3, Annex I*.

- metals and metalloids (arsenic, cadmium, chromium, copper, nickel, lead, mercury, selenium and zinc);
- Total Recoverable Hydrocarbons (TRH);
- Polycyclic Aromatic Hydrocarbons (PAHs);
- Volatile Organic Compounds (including benzene, toluene, ethylbenzene and xylenes -BTEX); and
- asbestos (presence / absence – soil only).

Additional COPCs may be analysed to target specific COPCs or if required based on observations made in the field. These contaminants can include (though are not limited to):

- Polychlorinated Biphenyls (PCBs) – related to use of PCB-containing transformer oil on site;
- Total Organic Carbon (TOC); and
- Perfluorooctane sulfonate (PFOS) and perfluorooctanoic acid (PFOA) – to target areas where fire retardants may have been used or stored.

H.7.2 Analytical Methodology

A summary of the laboratory analytical methodologies are provided herein. Based on discussions with the laboratories, it was understood that these methodologies are currently being updated to comply with the recent changes to the NEPM (as amended in 2013). Hence the methodologies herein are subject to change, though these changes will be outlined in the quality control reports submitted by the laboratory at the time of receipt of the results.

Volatile TRH C6-C10/BTEX

ALS (soil): USEPA SW 846 - 8260B; Extracts are analysed by Purge and Trap, Capillary GC/MS. Quantification is by comparison against an established five point calibration curve. This method is compliant with NEPM (1999) Schedule B(3) (Method 501). .

ALS (water): USEPA SW 846 - 8260B**;** Water samples are directly purged prior to analysis by Capillary GC/MS and quantification is by comparison against an established five point calibration curve. Alternatively, a sample is equilibrated in a headspace vial and a portion of the headspace determined by GCMS analysis. This method is compliant with NEPM (1999) Schedule B(3) (Appdx. 2)

ALS (sediments): Extracts are analysed by Purge and Trap, Capillary GC/MS. Quantification is by comparison against an established 5 point calibration curve. This method is compliant with NEPM (1999) Schedule B(3) (Method 501).

Envirolab (soil): Analysed via purge and trap, gas chromatography-mass spectrometer (method reference USEPA 8260 method; USEPA5030 (P/T)).

Envirolab (water): VOC vial analysed directly. Determination is completed by PT-GC/FID. PT internal system standard injected into sample to monitor system performance (reference modified "in house" USEPA 8015, 8020 or 8260 method).

Semi-volatile TRH

ALS (soil): USEPA SW 846 - 8015A; Sample extracts are analysed by Capillary GC/FID and quantified against alkane standards over the range C10 - C36. This method is compliant with NEPM (1999) Schedule B(3) (Method 506.1).

ALS (water): USEPA SW 846 - 8015A; The sample extract is analysed by Capillary GC/FID and quantification is by comparison against an established five point calibration curve of n-Alkane standards. This method is compliant with NEPM (1999) Schedule B(3) (Appdx. 2).

ALS (sediments): Ultra trace including sum of C10-C40: (USEPA SW 846 - 8270B) Extracts are analysed by Capillary GC/MS and quantification is by comparison against an established five point calibration curve. This method is compliant with NEPM (1999) Schedule B(3) (Method 504).

Envirolab (soil): Solid samples are extracted with dichloromethane/acetone (1:1) and extracts are injected into capillary Gas Chromatograph equipped with Flame Ionisation Detector (reference method USEPA 3500 and USEPA 3510.

Envirolab (water): Water samples are double/triple extracted with dichloromethane and extracts are injected into capillary Gas Chromatograph equipped with Flame Ionisation Detector (reference method USEPA 8000.

Selected Inorganics (As, Hg, Cd, Cr, Cu, Pb, Ni, Se, Zn)

ALS (soil): Total Metals by ICP-AES: (APHA 21st ed., 3120; USEPA SW 846 - 6010) (ICPAES). Metals are determined following an appropriate acid digestion of the soil. The ICPAES technique ionises samples in a plasma, emitting a characteristic spectrum based on metals present. Intensities at selected wavelengths are compared against those of matrix matched standards. This method is compliant with NEPM (1999) Schedule B(3).

Total Mercury by FIMS: AS 3550, APHA 21st ed., 3112 Hg - B (Flow-injection (SnCl2)(Cold Vapour generation) AAS) FIM-AAS is an automated flameless atomic absorption technique. Mercury in solids are determined following an appropriate acid digestion. Ionic mercury is reduced online to atomic mercury vapour by SnCl2 which is then purged into a heated quartz cell. Quantification is by comparing absorbance against a calibration curve. This method is compliant with NEPM (1999) Schedule B(3).

ALS (water): APHA 20th ed., 3125; USEPA SW846 – 6020. The ICPMS technique utilizes highly efficient argon plasma to ionise selected elements. Ions are then passed into a high vacuum mass spectrometer, which separates the analytes based on their distinct mass to charge ratios prior to their measurement by a discrete dynode ion detector. Quantification is achieved by measuring the intensity of the element in the sample against an established calibration curve for that element. Mercury: AS 3550. Flow Injection Mercury – Atomic Absorption Spectrometry (FIM-AAS) is a flameless atomic absorption technique. Water samples are analysed in their 'as received' nitric acid preserved state. For the determination of total mercury a further oxidation using a bromate/bromide reagent is employed to oxidise organic mercury compounds. The ionic mercury is reduced to atomic mercury vapour by a reducing agent (SnCl2). Atomic mercury vapour is then purged into a heated quartz cell. Quantification is achieved using an established absorbance versus concentration calibration curve.

Metals in Saline Water: APHA 21st ed., 3125; USEPA SW846 - 6020 Samples are 0.45 um filtered prior to analysis. The ORC-ICPMS technique removes interfering species through a series of chemical reactions prior to ion detection. Ions are passed into a high vacuum mass spectrometer, which separates the analytes based on their distinct mass to charge ratios prior to measurement by a discrete dynode ion detector. This method is compliant with NEPM (1999) Schedule B(3) (Appdx. 2)

ALS (sediments): (APHA 21st ed., 3125; USEPA SW846 - 6020, ALS QWI-EN/EG020): The ICPMS technique utilizes a highly efficient argon plasma to ionize selected elements. Ions are then passed into a high vacuum mass spectrometer, which separates the analytes based on their distinct mass to charge ratios prior to their measurement by a discrete dynode ion detector. Analyte list and LORs per NADG.

Total Mercury by FIMS (Low Level): AS 3550, APHA 21st ed., 3112 Hg - B (Flow-injection (SnCl2)(Cold Vapour generation) AAS) FIM-AAS is an automated flameless atomic absorption technique. Mercury in solids is determined following an appropriate acid digestion. Ionic mercury is reduced online to atomic mercury vapour by SnCl2 which is then purged into a heated quartz cell. Quantification is by comparing absorbance against a calibration curve. This method is compliant with NEPM (1999) Schedule B(3)

Envirolab (soil): Solid samples are digested with mineral acids (Hydrochloric and Nitric Acid) before analysis with Inductively Coupled Plasma – Optical Emission Spectrometry (ICP-OES) (reference method USEPA 6010C). Determination of mercury is by cold vapour AAS. Solid samples are digested with mineral acids (Hydrochloric and Nitric Acid) before analysis (reference method USEPA 7471A).

Envirolab (water): Determination via ORC-ICP-MS (reference method USEPA 200.8, USEPA 3005A (prep), USEPA 6020A or USEPA 7010/APHA 3113). Water samples are further acidified on receipt (Nitric Acid) before analysis with Inductively Coupled Plasma – Mass Spectrometry (ICP-MS) and Inductively Coupled Plasma – Optical Emission Spectrometry (ICP-OES). Water samples are digested with strong oxidants (Hydrochloric Acid, Bromine Monochloride, Nitric Acid and Potassium Permanganate) before analysis. Mercury determination is via cold vapour AAS. Filtered water samples are digested with strong oxidants (Hydrochloric Acid, Bromine Monochloride, Nitric Acid and Potassium Permanganate) before analysis.

PAH

ALS (soil): (USEPA SW 846 - 8270B) Extracts are analysed by Capillary GC/MS in Selective Ion Mode (SIM) and quantification is by comparison against an established five point calibration curve. This method is compliant with NEPM (1999) Schedule B(3) (Method 502 and 507).

ALS (water): USEPA SW 846 - 8270D Sample extracts are analysed by Capillary GC/MS in SIM Mode and quantification is by comparison against an established five point calibration curve. This method is compliant with NEPM (1999) Schedule B(3) (Appdx. 2).

ALS (sediments): Super ultratrace PAH by USEPA 3640. Extracts are analysed by 8270 GCMS Capillary column, SIM mode using large volume programmed temperature vaporisation injection.

Envirolab (soil): Solid samples are extracted with dichloromethane/acetone (1:1) and the extracts are injected into capillary Gas Chromatograph equipped with a Mass Selective Detector (MSD) in SIM mode (reference method USEPA 8270).

Envirolab (water): Water samples undergo double/triple extraction with dichloromethane and analysis by capillary Gas Chromatograph equipped with Mass Selective Detector (MSD) in SIM mode (reference method 8310 and USEPA 8270).

Volatile Organic Compounds

ALS (soil): (USEPA SW 846 - 8260B) Extracts are analysed by Purge and Trap, Capillary GC/MS. Quantification is by comparison against an established Five point calibration curve. This method is compliant with NEPM (1999) Schedule B(3) (Method 501).

ALS (water): Volatile Organic Compounds: USEPA SW 846 - 8260B Water samples are directly purged prior to analysis by Capillary GC/MS and quantification is by comparison against an established five point calibration curve. This method is compliant with NEPM (1999) Schedule B(3) (Appdx. 2).

Envirolab (soil): Determination by Purge and Trap GC-MS (reference method 8260).

Envirolab (water): Determination by Purge and Trap GC-MS (reference method USEPA 8260B).

Asbestos Fibres in Soil

ALS (soil): AS 4964 - 2004 Method for the qualitative identification of asbestos in bulk samples.

Envirolab (soil): Asbestos fibres are qualitatively identified in soil using polarized light microscopy (PLM) in accordance with Australian Standard AS 4964-2004.

It is noted in AS 4964-2004 that this method is not necessarily suitable to quantify asbestos in soil however an estimate of the %w/w of asbestos fibres and fragments in soil will be made for assessment against the soil asbestos investigation criteria reported in the Western Australian Department of Health (2009) *Guidelines for the Assessment, Remediation and Management of Asbestos-Contaminated Sites in Western Australia*. This will involve manually separating any visible asbestos fragments and fibres from the soil matrix and weighing the resulting material. It is considered that the %w/w results will be an estimate only and will be dependent on the soil matrix.

Cation Exchange Capacity

ALS (soil): Rayment & Higginson (1992) Method 15A1. Cations are exchanged from the sample by contact with Ammonium Chloride. They are then quantitated in the final solution by ICPAES and reported as meq/100g of original soil. This method is compliant with NEPM (1999) Schedule B(3) (Method 301).

Envirolab (soil): Solids are washed with Ethanol and Glycerine to remove soluble salts such as NaCl. The solid is then exchanged (by default) with a solution of 1M Ammonium Chloride. The solution is then analysed for Cations using Inductively Coupled Plasma – Optical Emission Spectrometry (ICP-OES). Alternative exchange solutions can be used on request.

pH

ALS (soil): (APHA 21st ed., 4500H+) pH is determined on soil samples after a 1:5 soil/water leach. This method is compliant with NEPM (1999) Schedule B(3) (Method 103).

Envirolab (soil): Solids are extracted with Ultra High Purity (UHP) water at a ratio of 1:5 soil: water. Analysis is by a pH selective electrode. Waters are analysed directly using a pH selective electrode Determination by electrode (reference method USEPA 9045).

PCBs

ALS (soil): (USEPA SW 846 - 8270B) Extracts are analysed by Capillary GC/MS and quantification is by comparison against an established five point calibration curve. This method is compliant with NEPM (1999) Schedule B(3) (Method 504).

ALS (water): USEPA SW 846 - 8270D Sample extracts are analysed by Capillary GC/MS and quantification is by comparison against an established five point calibration curve. This method is compliant with NEPM (1999) Schedule B(3) (Appdx. 2).

ALS (sediments): USEPA Method 3640 (GPC cleanup), 3620 (Florisil), 8081/8082 (GC/uECD/uECD). This technique is compliant with NEPM (1999) Schedule B(3) (Method 504).

Envirolab (soil and water): Sample extracts are analysed by injecting a measured aliquot into a gas chromatograph equipped with either a narrow- or wide-bore fused-silica capillary column and either an electron capture detector (GC/ECD) or an electrolytic conductivity detector (GC/ELCD).

Total Organic Carbon

ALS (soil): Dried and pulverised sample is reacted with acid to remove inorganic Carbonates, then combusted in a LECO furnace in the presence of strong oxidants / catalysts. The evolved (Organic) Carbon (as CO2) is automatically measured by infra-red detector.

ALS (water): APHA 21st ed., 5310 B, The automated TOC analyzer determines Total and Inorganic Carbon by IR cell. TOC is calculated as the difference. This method is compliant with NEPM (1999) Schedule B(3) (Appdx. 2).

PFOS/PFOA

ALS (soil): A portion of soil is soaked in sodium hydroxide followed by extraction with methanol. The extract is neutralised with HCl and an aliquot taken to dryness, made up in mobile phase. Analysis is by LC/MSMS, ESI Negative Mode using MRM. This is an in-house method in general accordance with EP231.

ALS (groundwater): Direct injection analysis of linear and branched pefluorooctyl sulfonates and acids by LC-Electrospray-MS-MS, Negative Mode using MRM. This is an in-house method.

Particle Size Distribution

ALS (soil and sediment): Analysis of the particle size of soils in accordance with Australian Standards AS 1289.3.6.1 and/or AS 1289.3.6.2 by sieving, with analysis of clays and fine particles by sedimentation and hydrometer analysis (based on the AS 1289.3.6.3).

H.8 QUALITY ASSURANCE/QUALITY CONTROL

QA/QC procedures for this project will be aligned with the requirements of both NEPM (1999 – as amended 2013) and NSW DEC (2006) *Guidelines for the NSW Site Auditor Scheme (2nd edition)* and can be summarised as follows:

H.8.1 Calibration Procedures

All equipment used in the field will be used under the appropriate technical procedures and calibrated prior to use in accordance with the manufacturer's specifications. The PID will be calibrated at the beginning of each working day in accordance with ERM's SOPs. Water quality meters will be calibrated by the hire company prior to use and relevant calibration certificates retained by ERM. Water quality meters will also be calibrated at the beginning of each day in accordance with the manufacturer specifications. All of the relevant calibration records will be provided as an annex in the investigation reports.

H.8.2 Decontamination Procedures

All sampling equipment will be decontaminated between sampling locations where designated disposable materials are not used.

All non-dedicated equipment will be decontaminated as follows:

- all loose soil removed with a wire brush;
- washed in potable (tap) water and brush scrubbing using tap water and a non-phosphate detergent (Decon 90);
- rinsed with water; and
- air dried.

During push tube drilling the soil samples will be collected in single use plastic tubes minimising the potential to cross-contaminate soil samples. Between sampling locations the cutting shoe and rod containing the single use shoes will be decontaminated as listed above. Any visible soil material will be removed from the drill rig equipment using a wire brush and water (if required).

H.8.3 Sample Containers, Preparation and Preservation

All samples for laboratory analysis will be placed in appropriate containers as required by the laboratory. Groundwater samples will also be pre-treated (eg filtering, preservative) where required by the laboratory. A list of the appropriate sample containers from ALS and Envirolab to use during soil, sediment, surface water and groundwater investigation works is presented in later sections within this Annex.

It is noted that suitable glass and/or plastic containers (with Teflon liners removed) will be used for collection of soil, sediment, groundwater and surface water samples scheduled for analysis of PFOS and PFOA.

These containers are provided by the laboratory specifically for analysis for PFOS and PFOA. Soil and sediment samples will be collected from push-tube cores and placed in laboratory prepared containers as listed in *Table H.2* below. Groundwater samples will be collected using low-density polyethylene (LDPE) tubing. Surface water samples will be collected in appropriate containers and decanted into laboratory prepared containers as listed in *Table H.3* below. Where samples are collected from equipment which is not single use (ie hand auger), equipment will be appropriately decontaminated and a rinsate sample collected.

A summary of the sample containers required for the standard suite of analytes is presented below.

Table H.2 Laboratory Sample Container Schedule – Soil and Sediments

Analytes	ALS Container	Envirolab Container
Metals, TRH, BTEX, PAH and VOCs, CEC, pH	150 mL glass jar	250 mL glass jar
PFOS/PFOA	150 mL glass jar with Teflon liner removed	250 mL glass jar with Teflon liner removed
Asbestos	100 g - 200g soil in zip lock bag (double bagged)	500 mL zip lock bag
Particle sizing	100 g - 200g soil in zip lock bag or jar	-

Table H.3 Laboratory Sample Container Schedule – Groundwater and Surface water

Analytes	ALS Container	Envirolab Container
Metals (via ORC-ICP-MS)	125 mL plastic bottle with red on white label.	50 mL plastic or glass
Volatile TRH, BTEX and VOC	2 40 mL amber glass vials with purple labels.	3 40 mL amber glass vials
PAH and semi-volatile TRH	2 x 500 mL and 1 x 100 mL amber glass bottle with orange label[1]	500 mL glass bottle
PFOS/PFOA	125 mL plastic bottle with grey label with Teflon lid liner removed	125 mL plastic bottle with grey label with Teflon lid liner removed

H.8.4 Sample Labelling, Transport & Chain of Custody

All sample containers will be labelled and placed on ice immediately after collection and shipped in insulated boxes under chain of custody documentation to the laboratory for analysis. Regular pick-ups from the site have been pre-arranged with ALS. ALS will be responsible for sending samples to the secondary laboratory.

Separate chain of custody forms must be filled out for each laboratory (ALS and Envirolab). If there are samples from multiple sites a separate chain of custody form will be prepared for each site. The chain of custody forms must also include the analytical suite code and the quote number.

H.8.5 Field Quality Assurance Samples

Rinsate Blanks

A rinsate blank checks the effectiveness of the process of equipment decontamination. One rinsate blank sample will be obtained each day by each sampling team where sampling equipment that is not "single use" is employed (ie hand auger). The rinsate solution is collected by washing laboratory supplied distilled water over the equipment after decontamination and submitting the sample for laboratory analysis.

It is not anticipated that groundwater rinsate samples will be required given that disposable tubing will be used during groundwater sampling and the pump mechanism is not in direct contact with the groundwater during sampling. If decontamination of equipment is conducted, a rinsate sample will be collected at a rate of one per piece of equipment per day.

Field Duplicate Samples

A blind duplicate sample is obtained by splitting a primary sample in the field into two portions and sending the duplicate sample to the laboratory with a disguised identification. Intra-laboratory duplicate samples are used to check the repeatability of the laboratory results and to assess the heterogeneity of the analyte and will be collected at a rate of one in 20. Inter-laboratory samples are similar to blind duplicate samples however they are submitted to a secondary laboratory, to check upon the proficiency of the primary laboratory. Inter-laboratory samples will be collected at a minimum rate of one per 20 samples.

Trip Blank and Trip Spike

Trip blanks and trip spikes are prepared by the laboratory, and are designed to assess the potential for loss of volatiles and cross contamination resulting from the sampling storage and handling procedures. One of each will be taken to the field to accompany soil or water samples analysed for volatile contaminants to the primary laboratory. One trip blank and trip spike samples will be included with each group of samples transported to the laboratory.

H.8.6 Laboratory QA/QC Procedures

Laboratory Quality Assurance and Quality Control (QA/QC) procedures will be undertaken in accordance with NEPC (2013) *National Environment Protection (Assessment of Site Contamination) Amendment Measure 2013 (No.1),* Schedule B(3) - Guidelines on Laboratory Analysis of Potentially Contaminated Soils and will comprise matrix spikes, method blanks and surrogate recoveries. The results of the quality control testing will be presented in the laboratory reports. Duplicate testing will also be undertaken by the laboratories to compare the results obtained in analysing samples.

ALS and Envirolab will provide the following quality assurance data:

- NATA approval for analyses undertaken;
- sample receipt confirmation;
- laboratory duplicates;
- instrument blank;
- detection limits;
- 10% matrix spike and matrix spike duplicates;
- 10% laboratory duplicates; and
- acceptable limits for spike recoveries.

Accuracy

Accuracy is defined as the proximity of an averaged result to the true value, where all random errors have been statistically removed. Unless the true value is known, accuracy may take on a meaning equivalent to the term bias due to the existence of systematic errors. Accuracy is measured by percent recovery, '%R'. Unless otherwise stated, accuracy data for matrix spike and matrix spike duplicates will be expected to vary within the following ranges:

Table H.4 Expected Matrix Spike Percentage Recovery

Analyte	Acceptable Percentage Recovery
General analytes	70-130 %R
Organophosphate pesticide analytes (if required)	60-130 %R
Chromium	62-120 %R

Accuracy of data is treated as an estimate where the data is below the lower recovery limit and above 10%R (ie 10-69%R for general analytes, 10-59%R for OPP and 10-61%R for chromium). In the event that the data value is below the 10%R the data value should be rejected. In the event that the data value is above the upper recovery limit, the data value will be treated as an estimate.

Precision

Precision is considered to be the degree to which data generated from replicate or repetitive measurements differ from one another due to random errors. Precision is measured using the standard deviation, 'SD', or Relative Percent Difference, '%RPD'. Replicate data existing in the %RPD range presented below shall be accepted as quality data, whereas data outside of the acceptance criteria will require further discussion.

%RPD Range: if result > 10 x EQL, the maximum of 30% RPD;

if result < 10 x EQL, the maximum of 50% RPD.

Blanks

Laboratory method blanks are designed to check for artefacts and interferences during the analysis stages, which may lead to the reporting of false positive results. In the event that a positive blank is reported for this project, the following remedies will proceed:

- laboratory to review data;
- positive blank results may not be subtracted from sample results;
- no further action necessary if sample results reported were less than laboratory reporting limit;
- analyse additional field blanks if taken and within holding times;
- positive sample results may be acceptable if analyte concentrations were significantly greater than the amount reported in the blank (ten times for laboratory reagents such as methylene chloride, chloroform, and acetone etc, and five times for all other analytes). Alternatively, the laboratory reporting limit may be raised to accommodate blank anomalies provided that regulatory guidelines were not compromised by any adjustment made to the laboratory reporting limit; and
- professional expertise would be used in all cases, which may include conducting additional testing.

Matrix Spikes

Environmental samples are spiked with laboratory grade standards to assess the interactive effects between the sample matrix and the analytes being measured. Matrix Spikes 'MS' are reported as a percent recovery %R, at a minimum rate of one in every 20 samples for this project.

Percent Recovery is expressed as: $\%R = \frac{(SSR-SR)}{SA} \times 100$

where: SSR = spiked sample result

SR = sample result (blank)

SA = spike added

Laboratory Duplicates

Laboratory duplicate samples measure precision, which is calculated as standard deviation SD or Relative Percent Difference %RPD. Duplicates are collected in a single sample container in the field and are analysed as two separate extractions.

Relative Percent Difference is expressed as: $\%\ RPD = \frac{(D1-D2)}{D1+D2)/2} \times 100$

where: D1=sample concentration

D2=duplicate sample concentration

Laboratory Surrogates

Surrogates are QC monitoring spikes, which are added at the beginning of the sample extraction process in the laboratory where applicable. Surrogates were measured as Percent Recovery %R.

Percent Recovery is expressed as: $\%R = \frac{(SSR)}{SA} \times 100$

where: SSR=spiked sample result

SA =spike added

Surrogate spike recoveries indicate the presence of sample specific interferences. In the event that the USEPA have not published a surrogate recovery limit, the range 70 – 130% recovery soil will be used. In the event that a surrogate recovery fails to comply with the documented or established limits, the sample will be re-extracted and reanalysed. Should the recovery breaches occur again, this will be regarded as an indication of matrix interference and a decision will be made to accept or reject the dataset.

H.8.7 Quality Assurance/Quality Control

Table H.5 Sampling & Analysis Methodology Assessment

Field Considerations	Laboratory Considerations
Precision Requirements	
The investigation will be conducted following ERM SOPs and any variations from these procedures will be documented and justified.	Analysis of the following will be reported: • Laboratory and inter-laboratory duplicates; • Field duplicates; • Laboratory prepared volatile trip spikes.
Accuracy Requirements	
The investigation will be conducted following ERM SOPs and any variations from these procedures will be documented.	Analysis of the following will be reported: • Field blanks; • Rinsate blanks; • Reagent blanks; • Method blanks; • Matrix spikes; • Matrix spike duplicates; • Surrogate spikes; • Reference materials; • Laboratory control samples; • Laboratory prepared spikes
Representativeness Requirements	
Appropriate media will be identified and sampled according to the SAQP.	All samples will be analysed according to the SAQP.
Comparability Requirements	
The same SOPs will be used during each sampling event.	Analytical methods suitable for the target media will be used.
All sampling will be conducted by an appropriately qualified and experienced sampler.	The PQLs used to report analyte concentrations will be less than the adopted investigation levels.
Impacts of climatic conditions on sample integrity will be minimised by immediately placing samples into insulated ice-filled containers. Trip spike samples will be collected to monitor potential loss of volatile analytes.	The same laboratories will be used to analyse all sample.
The types of samples collected will be consistent.	The same units will be used to report analyte concentrations.
Completeness Requirements	
All accessible proposed locations will be sampled.	All accessible proposed locations will be sampled. All analytes will be analysed according to the SAQP.
The investigation will be conducted following ERM SOPs and any variations from these procedures will be documented.	Appropriate analysis methods and PQLs will be used.
All sampling will be conducted by an appropriately qualified and experienced sampler.	Sample documentation will be provided.
	Sample holding times will be complied with.
Documentation of field works will be provided.	

H.9 CONTINGENCY PLANNING

Due to the uncertain nature of subsurface investigations, variations to the proposed scope of work may be necessary based on conditions encountered in the field. The most relevant potential uncertainties are described below, along with proposed contingency actions to address these issues:

Unexpected contaminants/unexpected high concentrations encountered: The analytical suite for soil and groundwater is based on the results of the historical investigations and knowledge of contaminants that are commonly associated with the former land use, such that identification of unexpected contaminants is unlikely. Should significant or unexpected contamination be encountered, additional sampling may be undertaken to attempt to further investigate and/or delineate the impact (to the extent practicable and subject to approval from Macquarie Generation).

LNAPL and/or DNAPL encountered: If LNAPL and/or DNAPL is observed at any groundwater wells, attempts will be made to collect a representative sample of the separate phase liquid for characterisation. The benefits and costs of this additional analysis would be discussed with Macquarie Generation prior to proceeding with additional works.

Difficult ground conditions encountered: If difficult ground conditions are encountered at an investigation location, an alternative adjacent location will be attempted to bypass potential subsurface obstacles encountered. In the unlikely event that laterally extensive difficult ground conditions prevent completion of the scope of work (i.e. achieving required depth), alternative investigation methods may be considered.

Insufficient sediment present for sampling: In the event that no sediment is encountered at the natural level at identified locations alternative locations will be identified based on conditions observed in the field. In the event that the volume of sediment is recovered from a single core is insufficient for laboratory analysis for particle size, an additional core will be taken immediately adjacent to the initial core.

Access to an area of potential concern is not feasible: If access to an area is not granted by Macquarie Generation within the required time frame ERM will target locations around the perimeter of that area where access can be made available safely.

Existing monitoring wells are damaged or unsuitable for sampling: It may be necessary to install replacement wells where existing wells are damaged or unsuitable.

Annex I

Preliminary SAQP Tables

Table I.1: Preliminary SAQP - Sampling Location Distribution and Rationale
Liddell Power Station
Project Symphony - 0213879

Site	Area	Sampling Element	Rationale	Landuse Screening Criteria	SB	MW	SS	SW	Total Locations	Existing MWs	Total MWs
Liddell	LA	Ammonia Plant	Contamination of shallow soils for deterioration of asbestos building materials and potentially aqueous ammonia solution.	Commercial/Industrial	3	2	0	0	5	0	2
Liddell	LB	Ash Placement (Ash Dam)	Contamination of soil, groundwater and sediment from seepage/leachate or overflow as Ash Dam content.	Commercial/Industrial and Open Space	42	15	0	0	57	21	36
Liddell	LC to LH	Bulk Fuel Storage and Transfer	Contamination of soil and groundwater from loss of fuel.	Commercial/Industrial	17	19	0	0	36	8	27
Liddell	LI	Current and former coal storage area	Contamination of soil, groundwater and sediment from seepage/leachate or surface water runoff of contaminants from stockpiled coal.	Commercial/Industrial	5	9	0	0	14	0	9
Liddell	LJ	Dangerous Goods, Flammable Liquids and Stores	Contamination of soil and groundwater from releases from current and historic dangerous goods storage.	Commercial/Industrial	12	4	0	0	16	0	4
Liddell	LK	Former Construction Workshop and Storage	Contamination of soil and groundwater from spillage of fuels, oils and lubricants	Commercial/Industrial	2	3	0	0	5	0	3
Liddell	LL	Hunter Valley Gas Turbine	Contamination of soil and groundwater from current and historical activities, including known and suspected releases of fuels and oils.	Commercial/Industrial	19	9	0	0	28	0	9
Liddell	LM	Machinery Graveyard	Contamination of soil and groundwater from historic dumping of material or releases from decommissioned equipment.	Commercial/Industrial	1	3	0	0	4	0	3
Liddell	LN	Oil and Grit Trap	Contamination of soil and groundwater from seepage or overflow of contaminants delivered by the site drainage network.	Commercial/Industrial	0	7	0	0	7	0	7
Liddell	LO	Former and current maintenance stores, workshops, foam generator and unofficial lay-down areas	Contamination of soil and groundwater from spillage of fuels and oils, lubricants and parts washing solvents, fire fighting foams.	Commercial/Industrial	9	17	0	0	26	0	17
Liddell	LP	Fill Material (Site Levelling and Shoreline Expansion)	Identification of content and delineation of fill materials.	Commercial/Industrial	14	6	0	0	20	0	6

Table I.1: Preliminary SAQP - Sampling Location Distribution and Rationale
Liddell Power Station
Project Symphony - 0213879

Site	Area	Sampling Element	Rationale	Landuse Screening Criteria	SB	MW	SS	SW	Total Locations	Existing MWs	Total MWs
Liddell	LQ	Transformer operations / Transformer Road	Contamination of soil and groundwater from transformer oil.	Commercial/Industrial	12	7	0	0	19	0	7
Liddell	LR	Transgrid Switchyard	Contamination of soil and groundwater from releases from current and historic operations.	Commercial/Industrial	0	4	0	0	4	0	4
Liddell	LS	Landfills (Waste Disposal and Borrow Pit)	Identification of content and delineation of fill materials.	Commercial/Industrial	4	2	0	0	6	3	5
Liddell	LT	Water Intake and Pump Station	Contamination of soil and groundwater from water treatment activity and transformer storage and operation.	Commercial/Industrial	0	4	0	0	4	0	4
Liddell	LU	Water Treatment Plant	Contamination of soil and groundwater from releases from current and historic operations.	Commercial/Industrial	5	3	0	0	8	0	3
Liddell	LV	Buffer Land	Contamination of soil and groundwater from historical activities or use of impacted fill material.	Commercial/Industrial and Open Space	0	13	0	0	13	0	13
	Totals				**145**	**127**	**0**	**0**	**272**	**32**	**159**

Notes:
SB = Soil Bore (not including bores converted to MW) / MW = Soil Bore converted to Groundwater Monitoring Well / Existing MWs = based on available reports and assumes wells are operational for sampling.
SS = Sediment Sample / SW= Surface Water
Total Locations = SB + MW (or SS/SW)
Total MWs = proposed wells + existing wells

Depth of soil investigations will be assessed based on field conditions and will be tailored to target specific potential sources (eg pipelines / UST's etc.) where relevant, however for planning purposes it has been assumed that the average depth will be 3 m (with exception of noted shallow locations).
Monitoring wells will be screened within groundwater bearing strata and constructed to allow the ingress of non-aqueous phase liquids (NAPLs) which may be present, and will be tailored to target specific potential sources (eg pipelines / UST's etc.) where relevant, estimated average depth of 8 - 10 m. It is noted that depth of investigation may be significantly deeper
Unless otherwise specific, sediment samples will be advanced to a maximum depth of 1m.

N/A not applicable

Table I.2: Preliminary SAQP - Soil and Sediment
Liddell Power Station
Project Symphony - 0213879

Area	Sampling Element	Total Locations	Total number of samples	Sample Details	Metals (8)	Metals (13)+	TRH, BTEX, PAH, Phenol	Asbestos P/A	VOC	PCB	Cations/ Anions	PFOS/PFOA	ph / CEC	PSD, TOC	Comments
LA	Ammonia Plant	5	10	Field screening - including PID measurements and visual/olfactory observations will be noted throughout the drilled profile; Sample Collection - samples will be collected at the surface and 0.5 m intervals for the first 2 m and every 1 m thereafter, or where changes in lithological units or significant contamination are noted; and Sample Analysis - one shallow sample targeting fill and the zone of surface impacts (0-1.5 m bgl) and one deeper sample targeting natural soil/geology between vadose zone and water bearing unit.	10	0	10	5	0	0	10	0	10	1	Analytical suite includes general suite (metals, TRH, BTEX, PAH, phenols) to target incidental operations and fill materials. Additional analytes include PCBs to target transformer operation, VOCs to target solvent use in maintenance of plant. and asbestos (presence/absence) in shallow fill materials. Selected soil samples will also be analysed for pH, CEC, PSD and TOC to allow for adoption of appropriate HSLs and ecological criteria (where applicable).
LB	Ash Placement (Ash Dam)	57	72	Field screening - including PID measurements and visual/olfactory observations will be noted throughout the drilled profile; Sample Collection - samples will be collected at the surface and 0.5 m intervals for the first 2 m and every 1 m thereafter, or where changes in lithological units or significant contamination are noted; and Sample Analysis - one shallow sample targeting fill and the zone of surface impacts (0-1.5 m bgl) and one deeper sample targeting natural soil/geology between vadose zone and water bearing unit.	0	30	30	42	0	0	30	0	30	1	
LC to LH	Bulk Fuel Storage and Transfer	36	72	Field screening - including PID measurements and visual/olfactory observations will be noted throughout the drilled profile; Sample Collection - samples will be collected at the surface and 0.5 m intervals for the first 2 m and every 1 m thereafter, or where changes in lithological units or significant contamination are noted; and Sample Analysis - one shallow sample targeting fill and the zone of surface impacts (0-1.5 m bgl) and one deeper sample targeting natural soil/geology between vadose zone and water bearing unit.	72	0	72	36	0	0	0	0	1	1	
LI	Current and former coal storage area	14	28	Field screening - including PID measurements and visual/olfactory observations will be noted throughout the drilled profile; Sample Collection - samples will be collected at the surface and 0.5 m intervals for the first 2 m and every 1 m thereafter, or where changes in lithological units or significant contamination are noted; and Sample Analysis - one shallow sample targeting fill and the zone of surface impacts (0-1.5 m bgl) and one deeper sample targeting natural soil/geology between vadose zone and water bearing unit.	28	0	28	14	0	0	0	0	1	1	
LJ	Dangerous Goods, Flammable Liquids and Stores	16	32	Field screening - including PID measurements and visual/olfactory observations will be noted throughout the drilled profile; Sample Collection - samples will be collected at the surface and 0.5 m intervals for the first 2 m and every 1 m thereafter, or where changes in lithological units or significant contamination are noted; and Sample Analysis - one shallow sample targeting fill and the zone of surface impacts (0-1.5 m bgl) and one deeper sample targeting natural soil/geology between vadose zone and water bearing unit.	32	0	32	16	32	32	0	0	1	1	
LK	Former Construction Workshop and Storage	5	10	Field screening - including PID measurements and visual/olfactory observations will be noted throughout the drilled profile; Sample Collection - samples will be collected at the surface and 0.5 m intervals for the first 2 m and every 1 m thereafter, or where changes in lithological units or significant contamination are noted; and Sample Analysis - one shallow sample targeting fill and the zone of surface impacts (0-1.5 m bgl) and one deeper sample targeting natural soil/geology between vadose zone and water bearing unit.	10	0	10	5	0	0	0	0	1	1	
LL	Hunter Valley Gas Turbine	28	56	Field screening - including PID measurements and visual/olfactory observations will be noted throughout the drilled profile; Sample Collection - samples will be collected at the surface and 0.5 m intervals for the first 2 m and every 1 m thereafter, or where changes in lithological units or significant contamination are noted; and Sample Analysis - one shallow sample targeting fill and the zone of surface impacts (0-1.5 m bgl) and one deeper sample targeting natural soil/geology between vadose zone and water bearing unit.	56	0	56	28	0	56	0	0	1	1	
LM	Machinery Graveyard	4	8	Field screening - including PID measurements and visual/olfactory observations will be noted throughout the drilled profile; Sample Collection - samples will be collected at the surface and 0.5 m intervals for the first 2 m and every 1 m thereafter, or where changes in lithological units or significant contamination are noted; and Sample Analysis - one shallow sample targeting fill and the zone of surface impacts (0-1.5 m bgl) and one deeper sample targeting natural soil/geology between vadose zone and water bearing unit.	8	0	8	4	0	0	0	0	1	1	
LN	Oil and Grit Trap	7	14	Field screening - including PID measurements and visual/olfactory observations will be noted throughout the drilled profile; Sample Collection - samples will be collected at the surface and 0.5 m intervals for the first 2 m and every 1 m thereafter, or where changes in lithological units or significant contamination are noted; and Sample Analysis - one shallow sample targeting fill and the zone of surface impacts (0-1.5 m bgl) and one deeper sample targeting natural soil/geology between vadose zone and water bearing unit.	14	0	14	7	7	14	0	0	1	1	
LO	Former and current maintenance stores, workshops, foam generator and unofficial lay-down areas	26	52	Field screening - including PID measurements and visual/olfactory observations will be noted throughout the drilled profile; Sample Collection - samples will be collected at the surface and 0.5 m intervals for the first 2 m and every 1 m thereafter, or where changes in lithological units or significant contamination are noted; and Sample Analysis - one shallow sample targeting fill and the zone of surface impacts (0-1.5 m bgl) and one deeper sample targeting natural soil/geology between vadose zone and water bearing unit.	52	0	52	26	52	26	0	52	1	1	
LP	Fill Material (Site Levelling and Shoreline Expansion)	20	40	Field screening - including PID measurements and visual/olfactory observations will be noted throughout the drilled profile; Sample Collection - samples will be collected at the surface and 0.5 m intervals for the first 2 m and every 1 m thereafter, or where changes in lithological units or significant contamination are noted; and Sample Analysis - one shallow sample targeting fill and the zone of surface impacts (0-1.5 m bgl) and one deeper sample targeting natural soil/geology between vadose zone and water bearing unit.	40	0	40	20	0	0	0	0	1	1	

Table I.2: Preliminary SAQP - Soil and Sediment
Liddell Power Station
Project Symphony - 0213879

Area	Sampling Element	Total Locations	Total number of samples	Sample Details	Metals (8)	Metals (13)+	TRH, BTEX, PAH, Phenol	Asbestos P/A	VOC	PCB	Cations/ Anions	PFOS/PFOA	ph / CEC	PSD, TOC	Comments
LQ	Transformer operations / Transformer Road	19	38	Field screening - including PID measurements and visual/olfactory observations will be noted throughout the drilled profile; Sample Collection - samples will be collected at the surface and 0.5 m intervals for the first 2 m and every 1 m thereafter, or where changes in lithological units or significant contamination are noted; and Sample Analysis - one shallow sample targeting fill and the zone of surface impacts (0-1.5 m bgl) and one deeper sample targeting natural soil/geology between vadose zone and water bearing unit.	38	0	38	19	0	38	0	0	1	1	Analytical suite includes general suite (metals, TRH, BTEX, PAH, phenols) to target incidental operations and fill materials. Additional analytes include PCBs to target transformer operation, VOCs to target solvent use in maintenance of plant. and asbestos (presence/absence) in shallow fill materials. Selected soil samples will also be analysed for pH, CEC, PSD and TOC to allow for adoption of appropriate HSLs and ecological criteria (where applicable).
LR	Transgrid Switchyard	4	8	Field screening - including PID measurements and visual/olfactory observations will be noted throughout the drilled profile; Sample Collection - samples will be collected at the surface and 0.5 m intervals for the first 2 m and every 1 m thereafter, or where changes in lithological units or significant contamination are noted; and Sample Analysis - one shallow sample targeting fill and the zone of surface impacts (0-1.5 m bgl) and one deeper sample targeting natural soil/geology between vadose zone and water bearing unit.	8	0	8	4	8	8	0	0	1	1	
LS	Landfills (Waste Disposal and Borrow Pit)	6	12	Field screening - including PID measurements and visual/olfactory observations will be noted throughout the drilled profile; Sample Collection - samples will be collected at the surface and 0.5 m intervals for the first 2 m and every 1 m thereafter, or where changes in lithological units or significant contamination are noted; and Sample Analysis - one shallow sample targeting fill and the zone of surface impacts (0-1.5 m bgl) and one deeper sample targeting natural soil/geology between vadose zone and water bearing unit.	12	0	12	6	0	0	0	0	1	1	
LT	Water Intake and Pump Station	4	8	Field screening - including PID measurements and visual/olfactory observations will be noted throughout the drilled profile; Sample Collection - samples will be collected at the surface and 0.5 m intervals for the first 2 m and every 1 m thereafter, or where changes in lithological units or significant contamination are noted; and Sample Analysis - one shallow sample targeting fill and the zone of surface impacts (0-1.5 m bgl) and one deeper sample targeting natural soil/geology between vadose zone and water bearing unit.	8	0	8	4	0	0	0	0	1	1	
LU	Water Treatment Plant	8	16	Field screening - including PID measurements and visual/olfactory observations will be noted throughout the drilled profile; Sample Collection - samples will be collected at the surface and 0.5 m intervals for the first 2 m and every 1 m thereafter, or where changes in lithological units or significant contamination are noted; and Sample Analysis - one shallow sample targeting fill and the zone of surface impacts (0-1.5 m bgl) and one deeper sample targeting natural soil/geology between vadose zone and water bearing unit.	16	0	16	8	0	0	0	0	1	1	
LV	Buffer Land	13	26	Field screening - including PID measurements and visual/olfactory observations will be noted throughout the drilled profile; Sample Collection - samples will be collected at the surface and 0.5 m intervals for the first 2 m and every 1 m thereafter, or where changes in lithological units or significant contamination are noted; and Sample Analysis - one shallow sample targeting fill and the zone of surface impacts (0-1.5 m bgl) and one deeper sample targeting natural soil/geology between vadose zone and water bearing unit.	26	0	26	13	0	0	0	0	1	1	
Totals		**272**	**502**		**430**	**30**	**460**	**257**	**99**	**174**	**40**	**52**	**55**	**17**	

Analytical suite notes:

Metals (8)	Metals (arsenic, cadmium, chromium, copper, nickel, lead, mercury and zinc);	General Suite
Metals (13+B+Mb+Th+Se)	Metals (arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, manganese, nickel, lead, mercury, vanadium and zinc) plus boron, molybdenum, thallium and selenium	Additional metals target additional contaminants potentially present in ash.
TRH,BTEX,PAH,Phenol	Total Recoverable Hydrocarbons (TRH); Benzene, Toluene, Ethylbenzene, Xylene (BTEX), Polycyclic Aromatic Hydrocarbons (PAHs) and Phenols	General Suite
Asbestos P/A	Asbestos (presence / absence – soil only). Where is asbestos is detected, this will be quantified by calculating %W/W.	Targets asbestos in shallow fill materials or beneath pipework known or suspected to contain asbestos.
VOC Suite	Volatile Organic Compounds (including chlorinated hydrocarbons)	Targeted to areas with known or suspected use of solvents including worksop areas or other
PCB	Polychlorinated biphenyls	Targeted to transformers and power block drainage areas.
PSD, TOC	TOC – Total Organic Carbon; PSD – Particle Size Distribution.	Selected soil samples to allow for adoption of appropriate HSLs.
pH / CEC	pH and cation exchange capacity.	Soils in non-operational area to determine appropriate ESLs / EILs.
PFOS/PFOA	Perfluorooctanesulfonic acid and Perfluorooctanoic acid	Targeted to areas known or suspected to have had transformer fires.

Asbestos analysis will generally be undertaken only on the upper (fill) sample, unless results from the upper sample or field screening / observations require that the deeper sample be analysed.

Table I.3: Preliminary SAQP - Groundwater and Surfacewater
Liddell Power Station
Project Symphony - 0213879

Area	Sampling Element	Total MWs	SW Samples	Metals (8)	Metals (13)+	TRH/BTEX/PAH/ Phenols	VOC Suite	PCB	Cations/ Anions	PFOS/PFOA	Field Parameters	Comments
LA	Ammonia Plant	2	0	2	0	2	0	0	2	0	2	
LB	Ash Placement (Ash Dam)	36	0	0	36	36	0	0	36	0	36	
LC to LH	Bulk Fuel Storage and Transfer	27	0	27	0	27	0	0	0	0	27	
LI	Current and former coal storage area	9	0	9	0	9	0	0	0	0	9	
LJ	Dangerous Goods, Flammable Liquids and Stores	4	0	4	0	4	4	4	0	0	4	
LK	Former Construction Workshop and Storage	3	0	3	0	3	0	3	0	0	3	
LL	Hunter Valley Gas Turbine	9	0	9	0	9	0	9	0	0	9	
LM	Machinery Graveyard	3	0	3	0	3	0	0	0	0	3	
LN	Oil and Grit Trap	7	0	7	0	7	7	7	0	0	7	
LO	Former and current maintenance stores, workshops, foam generator and unofficial lay-down areas	17	0	17	0	17	17	17	0	17	17	
LP	Fill Material (Site Levelling and Shoreline Expansion)	6	0	6	0	6	0	0	0	0	6	
LQ	Transformer operations / Transformer Road	7	0	7	0	7	0	7	0	0	7	
LR	Transgrid Switchyard	4	0	4	0	4	0	4	0	0	4	
LS	Landfills (Waste Disposal and Borrow Pit)	5	0	5	0	5	0	0	0	0	5	
LT	Water Intake and Pump Station	4	0	4	0	4	0	0	0	0	4	
LU	Water Treatment Plant	3	0	3	0	3	0	0	0	0	3	
LV	Buffer Land	13	0	13	0	13	0	0	0	0	13	
Totals		**159**	**0**	**123**	**36**	**159**	**28**	**51**	**38**	**17**	**159**	

Analytical suite notes:

Metals (8)	Metals (arsenic, cadmium, chromium, copper, nickel, lead, mercury and zinc)
Metals (13)+B+Mb+Th+Se	Metals (arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, manganese, nickel, lead, mercury, vanadium and zinc) plus boron, molybdenum, thallium and selenium
TRH/BTEX/PAH/Phenol	Total Recoverable Hydrocarbons (TRH); Benzene, Toluene, Ethylbenzene, Xylene (BTEX), Polycyclic Aromatic Hydrocarbons (PAHs) and Phenols
VOC Suite	Volatile Organic Compounds (including chlorinated hydrocarbons)
PCB	Polychlorinated biphenyls
Field parameters	pH, electrical conductivity, redox, temperature.

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