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REPORT
ON
ASBESTOS CONTAMINATION ASSESSMENT

TALLAWARRA LANDS
TALLAWARRA

Prepared for:
TRUENERGY TALLAWARRA PTY LTD

PROJECT 40661.03
JULY 2010

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Douglas Partners Pty Ltd
ABN 75 053 980 117
1/1 Luso Drive
Unanderra NSW 2526
Australia

PO Box 486
Unanderra NSW 2526
Phone (02) 4271 1836
Fax (02) 4271 1897
wollongong@douglaspartners.com.au
www.douglaspartners.com.au

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Project 40661.03
20 July 2010

REPORT ON ASBESTOS CONTAMINATION ASSESSMENT
TALLAWARRA LANDS, TALLAWARRA

1. INTRODUCTION

This report presents the results of an asbestos contamination assessment undertaken by Douglas Partners Pty Ltd (DP) at Tallawarra Lands (the site) which surround Tallawarra Power Station, Tallawarra. The assessment was commissioned by the owner of the site, TRUenergy.

Prior to construction of the current power station, the former coal powered power station was demolished. Asbestos containing material (ACM) was identified within the former power station buildings and, during demolition, ACM waste, namely building rubble, was remediated via placement in a designated containment cell within the site. It is understood that the remediation was completed under NSW Department of Environment, Climate Change and Water (DECCW) Auditor supervision and the site was deemed suitable for its ongoing use. The aim of this assessment was to provide factual information on the presence of asbestos fibres potentially deposited across the Tallawarra Lands during the demolition of the power station and ACM waste remediation, as requested by the client.

The assessment included the collection of over 530 surface samples, laboratory analysis of the samples for asbestos and reporting.

2. SCOPE OF WORK

The scope of the assessment included the following works:

- Set out of an approximate 100 x 100 m grid pattern across the site using a GIS mapping program and hand held GPS;
- Visual assessment of the site;
- Collection of surface soil samples using with hand tools on the 100 x 100 m grid nodes;
- Laboratory testing of samples for asbestos at a NATA accredited laboratory;
- Preparation of this factual report on the findings of the above scope of works and an assessment of the potential asbestos contamination.

3. SITE INFORMATION

3.1 Site Identification

The site has an area of 510 ha surrounding, but outside the boundary of the new Tallawarra power station (excluded from investigation) located in the central eastern portion of the site (refer to Drawing 1, Appendix A). The site comprises of 17 individual parcels of land as detailed in Table 1. The power station area has been excluded from this investigation.

Table 1: Site Lot and Deposited Plan Numbers

Lot 1 DP 109795	Lot 21 DP 774118
Lot 3 DP 109795	Lot 22 DP 774118
Lot 1 DP 543285	Lot 1 DP 792664
Lot 1 DP 551658	Lot 2 DP 792664
Lot 10 DP 552933	Lot 7 DP 1049520
Lot 11 DP 552933	Lot 8 DP 1049520
Lot 151 DP 628980	Lot 15 DP 1050255
Lot 20 DP 633211	Lot 1091 DP 1140369
Lot 102 DP 716727	

The site is bounded to the west by residential and rural land, as well as the Princes Highway and the Southern Freeway, to the east by Lake Illawarra, to the south by residential and vacant land and to the north by Mt Brown reserve and residential land.

3.2 Current Site Condition

The site was inspected on the 13 – 28 May 2010. The majority of the northern part of the site consists of rural fenced paddocks which were being used for agricultural purposes. A rural homestead and compound was located in the northern most part of the site and included sewage septic dams, sheds, fences, smaller fenced paddocks and animal shelters. Two large water tanks are located in the central part of this northern section.

The southern portion of the site consists of three ash ponds which are currently no longer in use (Site induction, dated 13 May 2010), cleared paddocks for agricultural use, dense vegetated areas of both natural and introduced species, a roadbase stockpile and an asbestos landfill. The former ash ponds have now become overgrown in parts and contain small quantities of water in some areas.

3.3 Regional Geology and Site Topography

Reference to the Kiama 1:100,000 Soil Landscapes Sheet shows that the site is underlain by two distinct different lithologies. The northern portion of the site is mostly underlain by Deep (>150cm) Prairie Soils which occur on the crests and upper slopes, brown Krasnozems on midslopes and red Podzolic Soils and Prairie Soils on lower slopes and drainage plains. An area in the north west is identified as Shallow (50-100 cm) Brown Podzolic Soils and Xanthozems on upper slopes, Lithosols on simple slopes and shallow (<50 cm) Brown Earths on midslopes and lower slopes. The southern portion of the site is described as disturbed land (in the power station and ash pond area) and Friable Alluvial Loams and Siliceous Sands on the upper floodplains with dark brown sands and heavy clays Prairie Soils (Gn2.41) and Yellow Podzolic Soils (Dy5.41) on lower alluvial flats.

The topography of the site is that it slopes from 110 m AHD in the north western portion of the site to 2 m AHD in the south and eastern portions of the site.

4. SAMPLING AND ANALYSIS PLAN

The sampling and analysis plan is described in the following sections.

4.1 Sampling Pattern

Sample locations were based on a 100 m x 100 m grid pattern of the site and excluded inaccessible areas such as densely vegetated areas and locations that were submerged with water such as Duck Creek and dams. The sampling pattern was chosen to provide a systematic, unbiased assessment over the whole site.

4.2 Sampling Density

Based on the size of the site (510 ha) and in accordance with the NSW EPA *Contaminated Sites*: *Sampling Design Guidelines*, 1995, a theoretical minimum of approximately 5600 sample points are required for a systematic site characterisation plan (11 samples per hectare). However, the sampling density that has been applied for this asbestos assessment is one sample per hectare which is considered appropriate to achieve the aim of the assessment, that is, to determine the potential for surface contamination by asbestos fibres across the site. If there are positive asbestos identifications then a more detailed sampling programme around the sample node would be appropriate.

4.3 Sample Locations

Sample locations are indicated in Drawing 2 - 5, Appendix B. A total of 536 surface sample locations were selected across the site based on the 100 m x 100 m grid pattern.

The sample locations were identified in the field based on the overlay of a grid on a geo-referenced aerial photograph and using GIS mapping programs and a hand held GPS.

Locations that were not accessible were relocated to a more appropriate location nearby. Both the relocated GPS locations and soil description were recorded on the sample record sheets.

4.4 Analytical Scheme

All samples collected were analysed for asbestos fibres.

4.5 Sample Collection

The surface samples were collected by removing the grassed surface with hand tools e.g. shovel or pick and then approximately 40 g of soil was placed into an individually labelled zip lock bag. The soil description was noted on the sample record sheets and the samples placed in a secure container for transport to the laboratory.

4.6 Sampling Procedure

Environmental sampling was conducted according to standard operating procedures described in the DP *Field Procedures Manual* and all sampling data was recorded on sample record sheets. Soil sampling was conducted in accordance with standard operating procedures which included:

- A nitrile disposable glove to be worn and discarded after each sample is collected.
- Labelling of the sample bags with individual and unique identification including Project No. Sample No.
- placement of the bags into a enclosed and secure container for transport to the laboratory; and
- Use of chain-of-custody/sample record documentation to ensure that sample tracking and custody can be cross-checked at any point in the transfer of samples from the field to hand-over to the laboratory.

5. RESULTS

5.1 Field Results

The soil descriptions and sample locations for each sample were noted on the sample record sheets which are provided in Appendix C. The various surface soils encountered on the site is summarised as follows:

TOPSOIL:	Brown silty clay with some rootlets.
FILLING:	The filling varied over the site and comprised of brown gravelly clay with some brick fragments, and some silt; brown silty clay with some rootlets, gravel, and organic matter; black brown gravelly (coal wash) silt; grey clay filling; brown clay with some gravel; orange brown silty clay with some gravel; dark grey sandy gravel; brown clayey sand; grey sandy silty clay; grey silt; brown sandy clay; light grey gravelly silty clay; light brown mottled orange clay; light grey gravelly silty clay; black gravel (coal wash); grey sandy gravel;
CLAY:	Dark brown clay; brown clay; grey clay with some organic matter and rootlets.
SAND	Brown sand with some shell fragments and rootlets; brown slightly clayey sand.
SILTY SAND	Brown grey silty sand with some clay.
SANDY CLAY	Brown slightly sandy clay with some rootlets; grey slightly sandy clay; red brown sandy clay.
SILTY CLAY	Brown silty clays with some rootlets, sandstone gravel, shell fragments; grey sandy silty clay; light brown silty clay.

5.2 Laboratory Results

The samples were analysed by a NATA accredited Laboratory and the laboratory reports can be found in Appendix C along with chain of custody documentation.

No asbestos was detected at limit of 0.1 g/kg (0.01% w/w) in any of the samples.

6. DISCUSSION AND CONCLUSION

This assessment aimed to provide supplementary factual information regarding the presence of asbestos fibres deposited across the Tallawarra Lands following the demolition of the power station and ACM waste remediation, as requested by the client. This was completed by undertaking surface soil samples and laboratory analysis at 536 locations on a 100 m square grid across the site.

Of the 536 samples analysed for asbestos, no detections were recorded at the limit of reporting of 0.1 g/kg (0.01% w/w) in any of the samples. Additionally, the laboratory did not identify any trace amounts of asbestos in the form of fibres.

7. RECOMMENDATIONS

This assessment was aimed at providing factual information on the potential presence of asbestos fibres deposited across the Tallawarra Lands following the demolition of the power station and ACM waste remediation. The assessment did not investigate the potential for contamination arising from the historic and current site use. If redevelopment of the site is proposed, it is recommended that the full extent for the potential for contamination be investigated prior to redevelopment.

8. LIMITATIONS

Douglas Partners Pty Ltd (DP) has prepared this report for this project at Tallawarra Lands, Tallawarra in accordance with DP's proposal dated 9 April 2010 and acceptance received from David Maslen, dated 30 April 2010. The work was carried out under DP Conditions of Engagement. This report is provided for the exclusive use of the TRUenergy for the specific project and purpose as described in the report. It should not be used by or relied upon for other projects or purposes on the same or other site or by a third party.

The results provided in the report are considered to be indicative of the sub-surface conditions on the site only to the depths investigated at the specific sampling and/or testing locations, and only at the time the work was carried out. DP's advice may be based on observations, measurements, tests or derived interpretations. The accuracy of the advice provided by DP in this report is limited by unobserved features and variations in ground conditions across the site in areas between test locations and beyond the site boundaries or by variations with time. The advice may be limited by restrictions in the sampling and testing which was able to be carried out, as well as by the amount of data that could be collected given the project and site constraints. Actual ground conditions and materials behaviour observed or inferred at the test locations may differ from those which may be encountered elsewhere on the site. Should variations in subsurface conditions be encountered, then additional advice should be sought from DP and, if required, amendments made.

This report must be read in conjunction with the attached "Notes Relating to This Report" and any other attached explanatory notes and should be kept in its entirety without separation of individual pages or sections. DP cannot be held responsible for interpretations or conclusions from review by others of this report or test data, which are not otherwise supported by an expressed statement, interpretation, outcome or conclusion stated in this report. In preparing this report DP has necessarily relied upon information provided by the client and/or their agents.

DOUGLAS PARTNERS PTY LTD

Jane Smalley
Environmental Engineer

Reviewed by:

L Rockett
Senior Associate

APPENDIX A

Notes Relating to This Report

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NOTES RELATING TO THIS REPORT

Introduction

These notes have been provided to amplify the geotechnical report in regard to classification methods, specialist field procedures and certain matters relating to the Discussion and Comments section. Not all, of course, are necessarily relevant to all reports.

Geotechnical reports are based on information gained from limited subsurface test boring and sampling, supplemented by knowledge of local geology and experience. For this reason, they must be regarded as interpretive rather than factual documents, limited to some extent by the scope of information on which they rely.

Description and Classification Methods

The methods of description and classification of soils and rocks used in this report are based on Australian Standard 1726, Geotechnical Site Investigations Code. In general, descriptions cover the following properties - strength or density, colour, structure, soil or rock type and inclusions.

Soil types are described according to the predominating particle size, qualified by the grading of other particles present (eg. sandy clay) on the following bases:

Soil Classification	Particle Size
Clay	less than 0.002 mm
Silt	0.002 to 0.06 mm
Sand	0.06 to 2.00 mm
Gravel	2.00 to 60.00 mm

Cohesive soils are classified on the basis of strength either by laboratory testing or engineering examination. The strength terms are defined as follows.

Classification	Undrained Shear Strength kPa
Very soft	less than 12
Soft	12—25
Firm	25—50
Stiff	50—100
Very stiff	100—200
Hard	Greater than 200

Non-cohesive soils are classified on the basis of relative density, generally from the results of standard penetration tests (SPT) or Dutch cone penetrometer tests (CPT) as below:

Relative Density	SPT "N" Value (blows/300 mm)	CPT Cone Value (q_c — MPa)
Very loose	less than 5	less than 2
Loose	5—10	2—5
Medium dense	10—30	5—15
Dense	30—50	15—25
Very dense	greater than 50	greater than 25

Rock types are classified by their geological names. Where relevant, further information regarding rock classification is given on the following sheet.

Sampling

Sampling is carried out during drilling to allow engineering examination (and laboratory testing where required) of the soil or rock.

Disturbed samples taken during drilling provide information on colour, type, inclusions and, depending upon the degree of disturbance, some information on strength and structure.

Undisturbed samples are taken by pushing a thin-walled sample tube into the soil and withdrawing with a sample of the soil in a relatively undisturbed state. Such samples yield information on structure and strength, and are necessary for laboratory determination of shear strength and compressibility. Undisturbed sampling is generally effective only in cohesive soils.

Details of the type and method of sampling are given in the report.

Drilling Methods.

The following is a brief summary of drilling methods currently adopted by the Company and some comments on their use and application.

Test Pits — these are excavated with a backhoe or a tracked excavator, allowing close examination of the in-situ soils if it is safe to descent into the pit. The depth of penetration is limited to about 3 m for a backhoe and up to 6 m for an excavator. A potential disadvantage is the disturbance caused by the excavation.

Large Diameter Auger (eg. Pengo) — the hole is advanced by a rotating plate or short spiral auger, generally 300 mm or larger in diameter. The cuttings are returned to the surface at intervals (generally of not more than 0.5 m) and are disturbed but usually unchanged in moisture content. Identification of soil strata is generally much more reliable than with continuous spiral flight augers, and is usually supplemented by occasional undisturbed tube sampling.

Continuous Sample Drilling — the hole is advanced by pushing a 100 mm diameter socket into the ground and withdrawing it at intervals to extrude the sample. This is the most reliable method of drilling in soils, since moisture content is unchanged and soil structure, strength, etc. is only marginally affected.

Continuous Spiral Flight Augers — the hole is advanced using 90—115 mm diameter continuous spiral flight augers which are withdrawn at intervals to allow sampling or in-situ testing. This is a relatively economical means of drilling in clays and in sands above the water

table. Samples are returned to the surface, or may be collected after withdrawal of the auger flights, but they are very disturbed and may be contaminated. Information from the drilling (as distinct from specific sampling by SPTs or undisturbed samples) is of relatively lower reliability, due to remoulding, contamination or softening of samples by ground water.

Non-core Rotary Drilling — the hole is advanced by a rotary bit, with water being pumped down the drill rods and returned up the annulus, carrying the drill cuttings. Only major changes in stratification can be determined from the cuttings, together with some information from 'feel' and rate of penetration.

Rotary Mud Drilling — similar to rotary drilling, but using drilling mud as a circulating fluid. The mud tends to mask the cuttings and reliable identification is again only possible from separate intact sampling (eg. from SPT).

Continuous Core Drilling — a continuous core sample is obtained using a diamond-tipped core barrel, usually 50 mm internal diameter. Provided full core recovery is achieved (which is not always possible in very weak rocks and granular soils), this technique provides a very reliable (but relatively expensive) method of investigation.

Standard Penetration Tests

Standard penetration tests (abbreviated as SPT) are used mainly in non-cohesive soils, but occasionally also in cohesive soils as a means of determining density or strength and also of obtaining a relatively undisturbed sample. The test procedure is described in Australian Standard 1289, "Methods of Testing Soils for Engineering Purposes" — Test 6.3.1.

The test is carried out in a borehole by driving a 50 mm diameter split sample tube under the impact of a 63 kg hammer with a free fall of 760 mm. It is normal for the tube to be driven in three successive 150 mm increments and the 'N' value is taken as the number of blows for the last 300 mm. In dense sands, very hard clays or weak rock, the full 450 mm penetration may not be practicable and the test is discontinued.

The test results are reported in the following form.

- In the case where full penetration is obtained with successive blow counts for each 150 mm of say 4, 6 and 7

  as 4, 6, 7
  N = 13

- In the case where the test is discontinued short of full penetration, say after 15 blows for the first 150 mm and 30 blows for the next 40 mm

  as 15, 30/40 mm.

The results of the tests can be related empirically to the engineering properties of the soil.

Occasionally, the test method is used to obtain samples in 50 mm diameter thin walled sample tubes in clays. In such circumstances, the test results are shown on the borelogs in brackets.

Cone Penetrometer Testing and Interpretation

Cone penetrometer testing (sometimes referred to as Dutch cone — abbreviated as CPT) described in this report has been carried out using an electrical friction cone penetrometer. The test is described in Australian Standard 1289, Test 6.4.1.

In the tests, a 35 mm diameter rod with a cone-tipped end is pushed continuously into the soil, the reaction being provided by a specially designed truck or rig which is fitted with an hydraulic ram system. Measurements are made of the end bearing resistance on the cone and the friction resistance on a separate 130 mm long sleeve, immediately behind the cone. Transducers in the tip of the assembly are connected by electrical wires passing through the centre of the push rods to an amplifier and recorder unit mounted on the control truck.

As penetration occurs (at a rate of approximately 20 mm per second) the information is plotted on a computer screen and at the end of the test is stored on the computer for later plotting of the results.

The information provided on the plotted results comprises: —

- Cone resistance — the actual end bearing force divided by the cross sectional area of the cone — expressed in MPa.
- Sleeve friction — the frictional force on the sleeve divided by the surface area — expressed in kPa.
- Friction ratio — the ratio of sleeve friction to cone resistance, expressed in percent.

There are two scales available for measurement of cone resistance. The lower scale (0—5 MPa) is used in very soft soils where increased sensitivity is required and is shown in the graphs as a dotted line. The main scale (0—50 MPa) is less sensitive and is shown as a full line.

The ratios of the sleeve friction to cone resistance will vary with the type of soil encountered, with higher relative friction in clays than in sands. Friction ratios of 1%—2% are commonly encountered in sands and very soft clays rising to 4%—10% in stiff clays.

In sands, the relationship between cone resistance and SPT value is commonly in the range:—

q_c (MPa) = (0.4 to 0.6) N (blows per 300 mm)

In clays, the relationship between undrained shear strength and cone resistance is commonly in the range:—

q_c = (12 to 18) c_u

Interpretation of CPT values can also be made to allow estimation of modulus or compressibility values to allow calculation of foundation settlements.

Inferred stratification as shown on the attached reports is assessed from the cone and friction traces and from experience and information from nearby boreholes, etc. This information is presented for general guidance, but must be regarded as being to some extent interpretive. The test method provides a continuous profile of engineering properties, and where precise information on soil classification is required, direct drilling and sampling may be preferable.

Hand Penetrometers

Hand penetrometer tests are carried out by driving a rod into the ground with a falling weight hammer and measuring the blows for successive 150 mm increments of penetration. Normally, there is a depth limitation of 1.2 m but this may be extended in certain conditions by the use of extension rods.

Two relatively similar tests are used.

- Perth sand penetrometer — a 16 mm diameter flat-ended rod is driven with a 9 kg hammer, dropping 600 mm (AS 1289, Test 6.3.3). This test was developed for testing the density of sands (originating in Perth) and is mainly used in granular soils and filling.
- Cone penetrometer (sometimes known as the Scala Penetrometer) — a 16 mm rod with a 20 mm diameter cone end is driven with a 9 kg hammer dropping 510 mm (AS 1289, Test 6.3.2). The test was developed initially for pavement subgrade investigations, and published correlations of the test results with California bearing ratio have been published by various Road Authorities.

Laboratory Testing

Laboratory testing is carried out in accordance with Australian Standard 1289 "Methods of Testing Soil for Engineering Purposes". Details of the test procedure used are given on the individual report forms.

Bore Logs

The bore logs presented herein are an engineering and/or geological interpretation of the subsurface conditions, and their reliability will depend to some extent on frequency of sampling and the method of drilling. Ideally, continuous undisturbed sampling or core drilling will provide the most reliable assessment, but this is not always practicable, or possible to justify on economic grounds. In any case, the boreholes represent only a very small sample of the total subsurface profile.

Interpretation of the information and its application to design and construction should therefore take into account the spacing of boreholes, the frequency of sampling and the possibility of other than 'straight line' variations between the boreholes.

Ground Water

Where ground water levels are measured in boreholes, there are several potential problems;

- In low permeability soils, ground water although present, may enter the hole slowly or perhaps not at all during the time it is left open.
- A localised perched water table may lead to an erroneous indication of the true water table.
- Water table levels will vary from time to time with seasons or recent weather changes. They may not be the same at the time of construction as are indicated in the report.
- The use of water or mud as a drilling fluid will mask any ground water inflow. Water has to be blown out of the hole and drilling mud must first be washed out of the hole if water observations are to be made.

More reliable measurements can be made by installing standpipes which are read at intervals over several days, or perhaps weeks for low permeability soils. Piezometers, sealed in a particular stratum, may be advisable in low permeability soils or where there may be interference from a perched water table.

Engineering Reports

Engineering reports are prepared by qualified personnel and are based on the information obtained and on current engineering standards of interpretation and analysis. Where the report has been prepared for a specific design proposal (eg. a three storey building), the information and interpretation may not be relevant if the design proposal is changed (eg. to a twenty storey building). If this happens, the Company will be pleased to review the report and the sufficiency of the investigation work.

Every care is taken with the report as it relates to interpretation of subsurface condition, discussion of geotechnical aspects and recommendations or suggestions for design and construction. However, the Company cannot always anticipate or assume responsibility for:

- unexpected variations in ground conditions — the potential for this will depend partly on bore spacing and sampling frequency
- changes in policy or interpretation of policy by statutory authorities
- the actions of contractors responding to commercial pressures.

If these occur, the Company will be pleased to assist with investigation or advice to resolve the matter.

Site Anomalies

In the event that conditions encountered on site during construction appear to vary from those which were expected from the information contained in the report, the Company requests that it immediately be notified. Most problems are much more readily resolved when conditions are exposed than at some later stage, well after the event.

Reproduction of Information for Contractual Purposes

Attention is drawn to the document "Guidelines for the Provision of Geotechnical Information in Tender Documents", published by the Institution of Engineers, Australia. Where information obtained from this investigation is provided for tendering purposes, it is recommended that all information, including the written report and discussion, be made available. In circumstances where the discussion or comments section

is not relevant to the contractual situation, it may be appropriate to prepare a specially edited document. The Company would be pleased to assist in this regard and/or to make additional report copies available for contract purposes at a nominal charge.

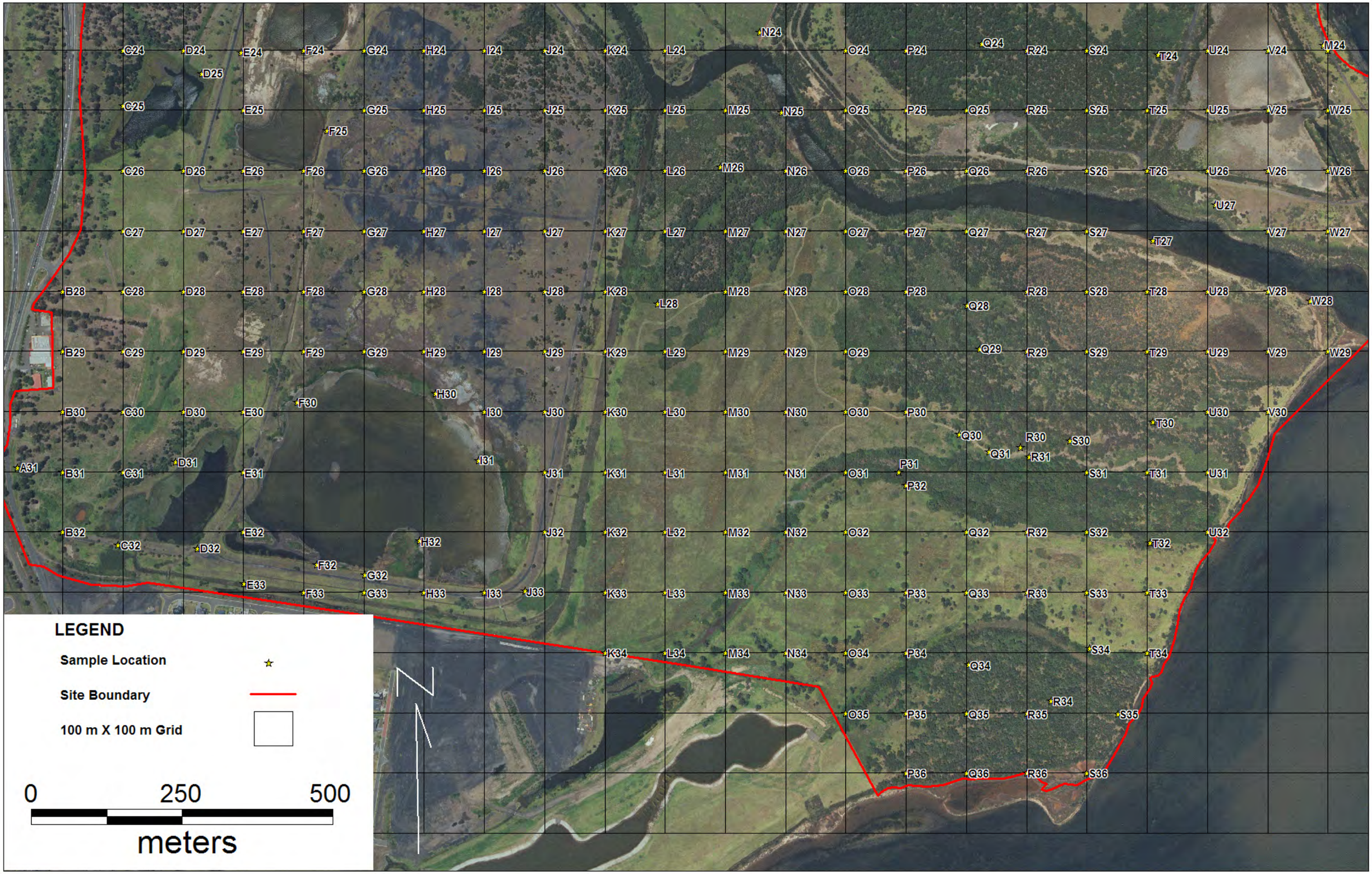
Site Inspection

The Company will always be pleased to provide engineering inspection services for geotechnical aspects of work to which this report is related. This could range from a site visit to confirm that conditions exposed are as expected, to full time engineering presence on site.

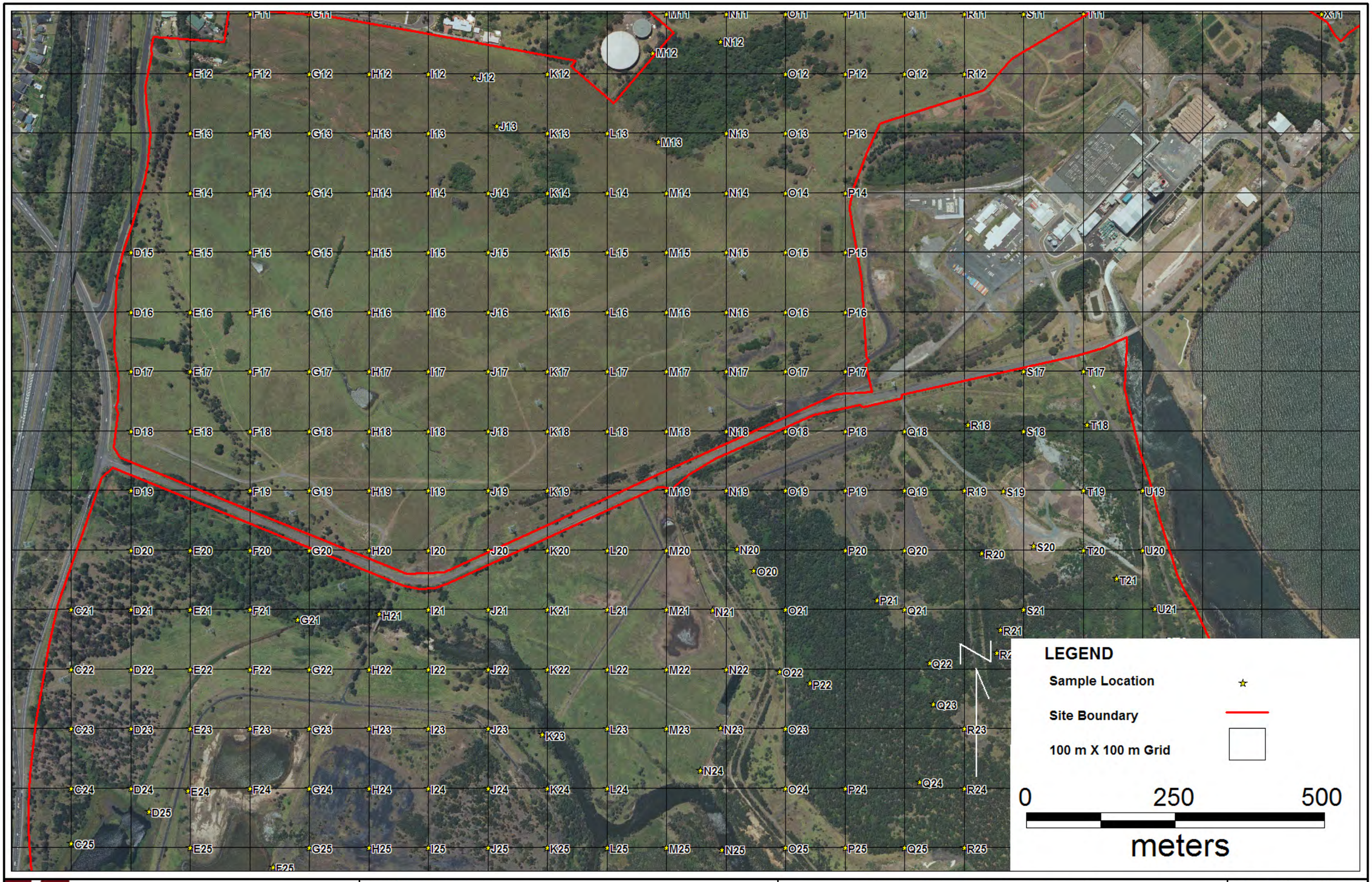
APPENDIX B

Drawing 1 Site Boundary and Site Locality
Drawing 2 Lower Section of the Site
Drawing 3 Western Mid Section of the Site
Drawing 4 Eastern Middle Section of the Site
Drawing 5 Northern Section of the Site

Douglas Partners Geotechnics • Environment • Groundwater		TITLE: SITE LOCATION AND SITE BOUNDARY ASBESTOS CONTAMINATION ASSESSMENT TALLAWARRA LANDS, TALLAWARRA	
CLIENT: TRUenergy			PROJECT: 40661.03
DRAWN BY: BAH	SCALE: As Shown	OFFICE: WOLLONGONG	DRAWING: 1
APPROVED BY: JAS		DATE: JUNE 2010	REVISION: A



Douglas Partners Geotechnics · Environment · Groundwater	CLIENT: TRUenergy		TITLE: SOUTHERN PORTION OF SITE ASBESTOS CONTAMINATION ASSESSMENT TALLAWARRA LANDS, TALLAWARRA
	DRAWN BY: BAH / SCALE: AS SHOWN / OFFICE: WOL		PROJECT: 40661.03
	APPROVED BY: JAS	DATE: JUNE 2010	DRAWING:2
			REVISION:



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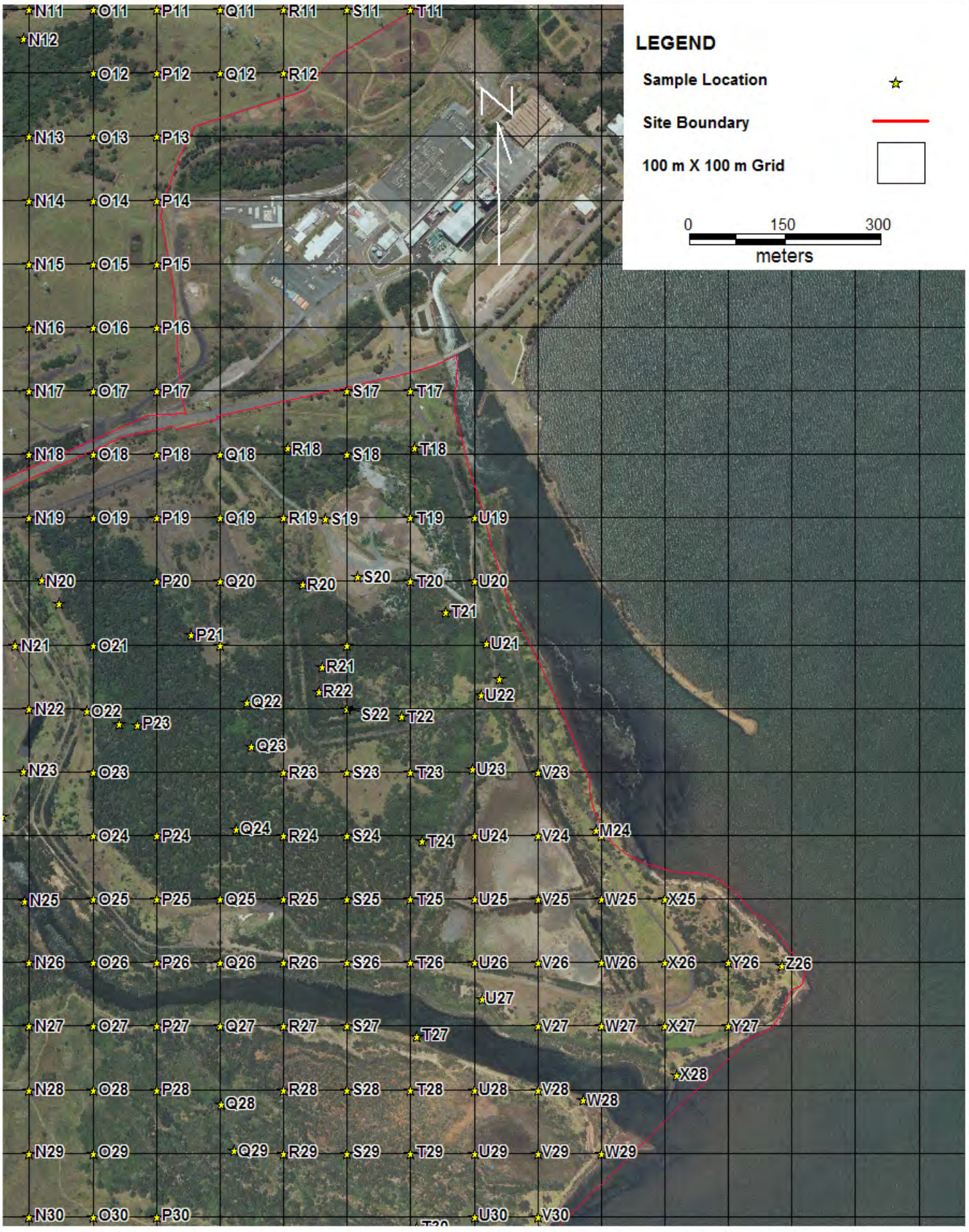
	APPROVED BY: JAS		DATE: JUNE 2010		REVISION:



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CLIENT: TRUenergy			PROJECT: 40661.03
DRAWN BY: BAH	SCALE: As Shown	OFFICE: WOLLONGONG	DRAWING: 4
APPROVED BY: JAS		DATE: JUNE 2010	REVISION: A

Douglas Partners Geotechnics • Environment • Groundwater	CLIENT: TRUenergy		TITLE: NORTHERN PORTION OF SITE ASBESTOS CONTAMINATION ASSESSMENT TALLAWARRA LANDS, TALLAWARRA
	DRAWN BY: BAH	SCALE: AS SHOWN	OFFICE: WOL
	APPROVED BY: JAS		DATE: JUNE 2010

PROJECT: 40661.03
DRAWING:5
REVISION:

APPENDIX C

Sample Records

SAMPLE RECORD

DP ID	DATE	DESCRIPTION	EASTING	NORTHING	COMMENTS
A31	24/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	296825	6176007	paddock
B28	24/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	296900	6176300	paddock
B29	24/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	296900	6176200	paddock
B30	24/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	296900	6176100	paddock
B31	24/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	296900	6176000	paddock
B32	24/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	296900	6175900	paddock
C21	21/5/10	TOPSOIL – brown silty clay topsoil with trace rootlets	297000	6177000	Eucalypt scrublands
C22	21/5/10	TOPSOIL – brown silty clay topsoil with trace sand, rootlets	297000	6176900	paddock
C23	21/5/10	TOPSOIL – brown silty clay topsoil with trace rootlets	297000	6176800	Eucalypt scrublands
C24	21/5/10	TOPSOIL – brown silty clay topsoil with trace rootlets	297000	6176700	Eucalypt scrublands
C25	21/5/10	TOPSOIL – brown silty clay topsoil with trace rootlets	297000	6176608	edge of pond
C26	24/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297000	6176500	paddock
C27	24/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297000	6176400	paddock
C28	24/5/10	FILLING – brown gravelly clay filling with some rootlets	297000	6176300	paddock
C29	24/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297000	6176200	paddock
C30	24/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297000	6176100	paddock
C31	24/5/10	TOPSOIL – brown clay topsoil with some rootlets and organic matter	297000	6176000	paddock
C32	24/5/10	FILLING – brown slightly gravelly clay filling with some rootlets	296992	6175879	on track near dam
D15	19/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297100	6177600	paddock
D16	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297100	6177500	paddock
D17	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297100	6177400	paddock
D18	19/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297100	6177300	paddock
D19	21/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297100	6177200	near track
D20	21/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297100	6177100	clearing
D21	21/5/10	TOPSOIL – brown silty clay topsoil with some rootlets and organic matter	297100	6177000	clearing
D22	21/5/10	TOPSOIL – brown silty clay topsoil with trace rootlets	297100	6176900	paddock
D23	21/5/10	TOPSOIL – brown silty clay topsoil with trace rootlets	297100	6176800	Eucalypt scrublands
D24	21/5/10	TOPSOIL – brown silty clay topsoil with trace rootlets	297100	6176700	Eucalypt scrublands
D25	24/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297131	6176661	paddock, edge of dam
D26	24/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297100	6176500	paddock
D27	24/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297100	6176400	paddock
D28	24/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297100	6176300	paddock
D29	24/5/10	FILLING – brown silty clay filling with some roots	297100	6176200	embankment

DP ID	DATE	DESCRIPTION	EASTING	NORTHING	COMMENTS
D30	24/5/10	TOPSOIL – brown silty clay topsoil with some rootlets and organic matter	297100	6176100	paddock
D31	24/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297087	6176017	edge of dam
D32	24/5/10	FILLING – brown silty clay filling with some gravel, rootlets and organic matter	297124	6175873	edge of dam
E12	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets and gravel	297200	6177900	paddock
E13	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297200	6177800	paddock
E14	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297200	6177700	paddock
E15	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297200	6177600	paddock
E16	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297200	6177500	paddock
E17	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297200	6177400	paddock
E18	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297200	6177300	paddock
E20	21/5/10	TOPSOIL – brown silty clay topsoil with some rootlets and organic matter	297200	6177100	near creek
E21	21/5/10	TOPSOIL – brown silty clay topsoil with some rootlets and organic matter	297200	6177000	paddock
E22	21/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297200	6176900	paddock
E23	20/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297200	6176800	paddock
E24	24/5/10	CLAY – brown clay with some sand and rootlets	297196	6176696	near dam
E25	24/5/10	TOPSOIL – brown clay topsoil with some gravel and rootlets	297200	6176600	paddock
E26	24/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297200	6176500	paddock
E27	24/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297200	6176400	paddock
E28	24/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297200	6176300	paddock
E29	24/5/10	TOPSOIL - brown silty clay topsoil with some rootlets	297200	6176200	paddock
E30	24/5/10	TOPSOIL - brown silty clay topsoil with some rootlets	297200	6176100	paddock
E31	24/5/10	FILLING – brown gravelly clay filling with some silt and brick fragments	297200	6176000	track
E32	24/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297200	6175900	island within dam
E33	24/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297201	6175815	near creek edge
F11	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297300	6178000	paddock
F12	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297300	6177900	paddock
F13	17/5/10	TOPSOIL – brown silty clay topsoil	297300	6177800	paddock
F14	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297300	6177700	paddock
F15	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297300	6177600	paddock
F16	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297300	6177500	paddock

DP ID	DATE	DESCRIPTION	EASTING	NORTHING	COMMENTS
F17	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297300	6177400	paddock
F18	19/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297300	6177300	paddock
F19	19/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297300	6177200	paddock
F20	21/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297300	6177100	near track
F21	21/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297300	6177000	paddock
F22	20/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297300	6176900	paddock
F23	20/5/10	SILTY SAND – light brown silty sand	297300	6176800	paddock
F24	24/5/10	SAND – brown sand with trace clay inclusions and organic matter	297300	6176700	near dam
F25	24/5/10	FILLING – brown slightly gravelly clay filling with some rootlets	297339	6176567	edge of dam
F26	24/5/10	FILLING – brown silty clay filling with some rootlets and organic matter	297300	6176500	on mound, textile layer beneath surface
F27	24/5/10	FILLING – brown silty clay filling and organic matter	297300	6176400	near embankment
F28	24/5/10	TOPSOIL – brown silty clay topsoil with some rootlets and organic matter	297300	6176300	paddock
F29	24/5/10	FILLING – grey clayey silt filling with some sand (possible ash)	297300	6176200	ash pond
F30	24/5/10	CLAY – grey clay with some organic matter	297289	6176116	edge of dam
F32	24/5/10	CLAY – brown clay with some organic matter and rootlets	297322	6175846	edge of dam
F33	24/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297300	6175800	near creek
G11	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297400	6178000	paddock
G12	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297400	6177900	paddock
G13	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297400	6177800	paddock
G14	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297400	6177700	paddock
G15	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297400	6177600	paddock
G16	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297400	6177500	paddock
G17	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297400	6177400	paddock
G18	19/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297400	6177300	paddock
G19	19/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297400	6177200	paddock
G20	21/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297400	6177100	near track
G21	21/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297380	6176983	near creek
G22	20/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297400	6176900	paddock
G23	20/5/10	TOPSOIL – brown silty clay topsoil	297400	6176800	paddock
G24	24/5/10	FILLING – black brown gravelly (coalwash) silt filling	297400	6176700	ash pond
G25	24/5/10	FILLING – grey clay filling	297400	6176600	paddock
G26	28/5/10	FILLING – brown gravelly (slag) clay filling	297400	6176500	ash pond
G27	28/5/10	FILLING – brown gravelly (slag) clay filling	297400	6176400	ash pond

DP ID	DATE	DESCRIPTION	EASTING	NORTHING	COMMENTS
G28	28/5/10	TOPSOIL – brown clay topsoil with some rootlets	297400	6176300	near dam
G29	28/5/10	TOPSOIL – brown clay topsoil with some rootlets	297400	6176200	near dam
G32	24/5/10	FILLING – brown clay filling with some rootlets and trave gravel	297401	6175829	embankment near creek
G33	24/5/10	TOPSOIL – brown clay topsoil with some rootlets	297400	6175800	near creek
H12	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297500	6177900	paddock
H13	17/5/10	TOPSOIL – brown silty clay topsoil with trace rootlets	297500	6177800	exposed soil in paddock
H14	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297500	6177700	paddock
H15	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297500	6177600	paddock
H16	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297500	6177500	paddock
H17	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297500	6177400	paddock
H18	19/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297500	6177300	paddock
H19	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297500	6177200	paddock
H20	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297500	6177100	paddock
H21	20/5/10	FILLING – dark brown silty clay filling	297518	6176993	road embankment
H22	20/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297500	6176900	long grass
H23	20/5/10	SANDY CLAY – orange and grey sandy clay	297500	6176800	long grass
H24	24/5/10	FILLING – black clay filling with some gravel (coal wash) and silt	297500	6176700	ash pond
H25	24/5/10	FILLING – brown gravelly (slag) clay filling with some silt	297500	6176600	paddock
H26	28/5/10	FILLING – brown clay filling with some gravel (slag)	297500	6176500	ash pond
H27	28/5/10	FILLING – brown clay filling with some gravel (slag)	297500	6176400	ash pond
H28	28/5/10	FILLING – brown gravelly (slag) clay filling with some rootlets	297500	6176300	ash pond
H29	28/5/10	FILLING – brown clay filling with some gravel	297500	6176200	paddock
H30	28/5/10	TOPSOIL – brown clay topsoil with some rootlets and organic matter	297519	6176130	near edge of dam
H32	28/5/10	TOPSOIL – brown clay topsoil with some rootlets	297492	6175886	edge of dam
H33	24/5/10	FILLING – brown gravelly (concrete rubble, slag) clay filling with some silt	297500	6175800	track
I12	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297600	6177900	paddock
I13	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets and trace gravel	297600	6177800	paddock
I14	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297600	6177700	paddock
I15	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297600	6177600	paddock
I16	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297600	6177500	paddock
I17	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297600	6177400	paddock
I18	19/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297600	6177300	paddock

DP ID	DATE	DESCRIPTION	EASTING	NORTHING	COMMENTS
I19	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297600	6177200	paddock
I20	19/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297600	6177100	nature strip
I21	20/5/10	TOPSOIL – dark brown silty clay topsoil with some rootlets	297600	6177000	paddock
I22	20/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297600	6176900	long grass
I23	20/5/10	TOPSOIL – brown clay topsoil with some sand and rootlets	297600	6176800	long grass
I24	24/5/10	TOPSOIL – brown clay topsoil with some rootlets	297600	6176700	paddock
I25	24/5/10	FILLING – brown gravelly (slag) clay filling with some silt and rootlets	297600	6176600	paddock
I26	28/5/10	FILLING – dark brown slightly gravelly (slag) clay filling	297600	6176500	ash pond
I27	28/5/10	FILLING – dark brown gravelly clay filling	297600	6176400	ash pond
I28	28/5/10	FILLING – dark brown slightly gravelly (slag) clay filling	297600	6176300	ash pond
I29	28/5/10	FILLING – dark brown slightly gravelly (slag) clay filling	297600	6176200	ash pond
I30	28/5/10	FILLING – dark brown slightly gravelly (slag) clay filling	297600	6176100	ash pond
I31	28/5/10	TOPSOIL – grey clay topsoil with some rootlets	297590	6176019	edge of dam
I33	28/5/10	TOPSOIL – brown clay topsoil with some rootlets	297600	6175800	edge of dam
J12	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297678	6177894	edge of lantana forest
J13	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297715	6177812	edge of lantana forest
J14	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297700	6177700	paddock
J15	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297700	6177600	paddock
J16	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297700	6177500	paddock
J17	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297700	6177400	paddock
J18	19/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297700	6177300	paddock
J19	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297700	6177200	paddock
J20	19/5/10	TOPSOIL – red-brown silty clay topsoil with some gravel and rootlets	297700	6177100	nature strip
J21	19/5/10	TOPSOIL – brown slightly silty clay topsoil with some sand and rootlets	297700	6177000	edge of creek
J22	20/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297700	6176900	long grass
J23	20/5/10	FILLING – dark grey sandy gravel filling	297700	6176800	road
J24	24/5/10	FILLING – brown gravelly clay filling	297700	6176700	paddock
J25	24/5/10	FILLING – brown clay filling with some gravel and rootlets	297700	6176600	paddock
J26	26/5/10	FILLING – brown clay filling with some gravel and rootlets	297700	6176500	ash pond
J27	26/5/10	FILLING – brown clay filling with some gravel and rootlets	297700	6176400	ash pond
J28	26/5/10	FILLING – brown clay filling with some gravel and rootlets	297700	6176300	ash pond
J29	26/5/10	FILLING – brown clay filling with some gravel and rootlets	297700	6176200	ash pond

DP ID	DATE	DESCRIPTION	EASTING	NORTHING	COMMENTS
J30	26/5/10	FILLING – brown clay filling with some gravel and rootlets	297700	6176100	ash pond
J31	26/5/10	FILLING – brown slightly gravelly clay filling with some rootlets	297700	6176000	track
J32	26/5/10	FILLING – brown slightly gravelly clay filling with some rootlets	297700	6175900	track
J33	26/5/10	TOPSOIL – brown clay topsoil with some rootlets	297667	6175802	near creek
K12	17/5/10	TOPSOIL – brown silty clay topsoil with some gravel and rootlets	297800	6177900	paddock
K13	17/5/10	TOPSOIL – brown silty clay topsoil with some gravel and rootlets	297800	6177800	paddock
K14	17/5/10	TOPSOIL – brown silty clay topsoil	297800	6177700	track within Lantana forest
K15	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297800	6177600	paddock
K16	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297800	6177500	paddock
K17	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297800	6177400	paddock
K18	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297800	6177300	paddock
K19	17/5/10	TOPSOIL – brown slightly sandy silty clay topsoil with some gravel (sandstone) and rootlets	297800	6177200	edge of creek
K20	20/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297800	6177100	paddock
K21	20/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297800	6177000	paddock
K22	20/5/10	CLAY – brown slightly silty clay with some rootlets	297800	6176900	paddock
K23	20/5/10	FILLING – dark grey sandy gravel filling	297791	6176790	edge of creek
K24	24/5/10	FILLING – brown gravelly clay filling	297800	6176700	embankment
K25	24/5/10	FILLING – brown gravelly clay filling with some rootlets	297800	6176600	paddock
K26	26/5/10	FILLING – brown gravelly clay filling with some rootlets	297800	6176500	track
K27	26/5/10	FILLING – brown gravelly clay filling with some rootlets	297800	6176400	edge of track
K28	26/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297800	6176300	near creek
K29	26/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297800	6176200	paddock
K30	28/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297800	6176100	paddock
K31	28/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297800	6176000	paddock
K32	28/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297800	6175900	paddock
K33	28/5/10	TOPSOIL – brown clay topsoil with some rootlets and organic matter	297800	6175800	paddock
K34	28/5/10	TOPSOIL – brown clay topsoil with some organic matter	297800	6175700	near creek
L13	17/5/10	TOPSOIL – brown silty clay with some gravel (sandstone) and rootlets	297900	6177800	paddock
L14	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297900	6177700	paddock
L15	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297900	6177600	paddock
L16	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297900	6177500	paddock
L17	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297900	6177400	paddock

DP ID	DATE	DESCRIPTION	EASTING	NORTHING	COMMENTS
L18	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297900	6177300	paddock
L20	20/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297900	6177100	paddock
L21	20/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297900	6177000	paddock
L22	20/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297900	6176900	paddock
L23	20/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297900	6176800	paddock
L24	20/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297900	6176700	paddock
L25	28/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297900	6176600	Lantana forest
L26	28/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297900	6176500	Casuarina forest
L27	28/5/10	FILLING – brown silty clay filling with some gravel and rootlets	297900	6176400	Lantana forest
L28	26/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297887	6176279	edge of Lantana forest
L29	26/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297900	6176200	paddock
L30	28/5/10	TOPSOIL – brown clay topsoil with some rootlets and organic matter	297900	6176100	paddock
L31	28/5/10	TOPSOIL – brown clay topsoil with some rootlets and organic matter	297900	6176000	paddock
L32	28/5/10	TOPSOIL – brown clay topsoil with some rootlets and organic matter	297900	6175900	paddock
L33	28/5/10	TOPSOIL – brown clay topsoil with some rootlets and organic matter	297900	6175800	paddock
L34	28/5/10	TOPSOIL – brown clay topsoil with some rootlets	297900	6175700	paddock
M10	19/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298000	6178100	paddock
M11	19/5/10	FILLING – orange brown silty clay filling with some gravel	298000	6178000	small soil stockpile within paddock
M12	17/5/10	TOPSOIL – brown silty clay topsoil	297977	6177935	edge of Lantana forest
M13	17/5/10	TOPSOIL – brown silty clay topsoil with some leaf litter	297986	6177786	forest
M14	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298000	6177700	paddock
M15	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298000	6177600	paddock
M16	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298000	6177500	paddock
M17	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298000	6177400	paddock
M18	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298000	6177300	paddock
M19	20/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298000	6177200	paddock
M20	20/5/10	FILLING – dark grey sandy gravel filling	298000	6177100	road
M21	20/5/10	CLAY – dark brown clay	298000	6177000	mid flat adjacent to dam
M22	20/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298000	6176900	paddock
M23	20/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298000	6176800	paddock

SAMPLE RECORD

DP ID	DATE	DESCRIPTION	EASTING	NORTHING	COMMENTS
M24	20/5/10	TOPSOIL – brown silty clay topsoil with some sand and rootlets	298992	6176708	edge of creek
M25	28/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298000	6176600	edge of Casuarina forest
M26	28/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	297992	6176506	Lantana forests
M27	28/5/10	TOPSOIL – brown silty sand topsoil with some rootlets	298000	6176400	Casuarina forest
M28	26/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298000	6176300	paddock
M29	28/5/10	TOPSOIL – brown silty clay topsoil with some rootlets and organic matter	298000	6176200	paddock
M30	28/5/10	TOPSOIL – brown silty clay topsoil with some rootlets and organic matter	298000	6176100	paddock
M31	28/5/10	TOPSOIL – brown silty clay topsoil with some rootlets and organic matter	298000	6176000	paddock
M32	28/5/10	TOPSOIL – brown silty clay topsoil with some rootlets and organic matter	298000	6175900	paddock
M33	28/5/10	TOPSOIL – brown silty clay topsoil with some rootlets and organic matter	298000	6175800	near creek
M34	28/5/10	TOPSOIL – brown silty clay topsoil with some rootlets and organic matter	298000	6175700	near creek
N08	19/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298100	6178300	poisoned Lantana forest
N09	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298049	6178205	poisoned Lantana forest
N10	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298100	6178100	paddock
N11	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298100	6178000	paddock
N12	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298091	6177954	edge of Lantana forest
N13	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298100	6177800	edge of Lantana forest
N14	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298100	6177700	paddock
N15	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298100	6177600	paddock
N16	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298100	6177500	paddock
N17	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298100	6177400	paddock
N18	19/5/10	FILLING – grey brown sandy clay filling with some gravel	298100	6177300	Casuarina forest
N19	28/5/10	FILLING – brown silty clay filling with some gravel	298100	6177200	roadway
N20	20/5/10	FILLING – brown silty clay filling with some gravel	298119	6177102	roadway
N21	20/5/10	FILLING – brown clayey sand filling	298078	6176999	paddock
N22	205/10	FILLING – brown clayey sand filling	298100	6176900	paddock
N23	20/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298091	6176801	paddock
N24	20/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298057	6176730	paddock

DP ID	DATE	DESCRIPTION	EASTING	NORTHING	COMMENTS
N25	28/5/10	TOPSOIL – brown slightly sandy silty clay topsoil with trace rootlets	298093	6176597	edge of creek
N26	28/5/10	TOPSOIL – brown slightly sandy silty clay topsoil with trace rootlets	298100	6176500	Lantana forest
N27	26/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298100	6176400	paddock
N28	26/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298100	6176300	paddock
N29	26/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298100	6176200	paddock
N30	26/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298100	6176100	paddock
N31	26/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298100	6176000	paddock
N32	26/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298100	6175900	paddock
N33	28/5/10	TOPSOIL – brown clay topsoil with some rootlets	298100	6175800	paddock
N34	28/5/10	TOPSOIL – brown clay topsoil with some rootlets	298100	6175700	paddock
O07	13/5/10	TOPSOIL – brown clay topsoil with some rootlets	298196	6178408	poisoned Lantana forest
O08	13/5/10	TOPSOIL – brown silty clay topsoil with some leaf litter	298243	6178266	Lantana forest
O09	13/5/10	TOPSOIL – brown clay topsoil with some rootlets	298238	6178195	edge of Lantana forest
O10	13/5/10	TOPSOIL – brown clay topsoil with some rootlets	298192	6178044	edge of Lantana forest
O11	17/5/10	TOPSOIL – brown clay topsoil with some rootlets	298200	6178000	paddock
O12	17/5/10	TOPSOIL – brown silty clay topsoil	298200	6177900	track within Lantana forest
O13	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298200	6177800	paddock
O14	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298200	6177700	paddock
O15	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298200	6177600	paddock
O16	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298200	6177500	paddock
O17	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298200	6177400	paddock
O18	21/5/10	TOPSOIL – brown silty clay topsoil with some rootlets and trace gravel	298200	6177300	edge of road
O19	20/5/10	FILLING – grey sandy silty gravel filling	298200	6177200	Casuarina forest
O20	20/5/10	FILLING – grey sandy silt filling	298146	6177066	Casuarina forest
O21	20/5/10	FILLING – grey sandy silt filling with some gravel	298200	6177000	Lantana forest
O22	20/5/10	FILLING – brown silty clay filling with some gravel and rootlets	298190	6176896	edge of road
O23	28/5/10	FILLING – brown silty clay filling with some gravel and rootlets	298200	6176800	edge of road
O24	20/5/10	FILLING – brown silty clay filling with some gravel and rootlets	298200	6176700	long grass
O25	20/5/10	FILLING – brown silty sandy clay filling	298200	6176600	edge of road
O26	20/5/10	TOPSOIL – brown silty sandy clay topsoil with some rootlets	298200	6176500	bank of creek
O27	21/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298200	6176400	Casuarina forest
O28	21/5/10	TOPSOIL – brown silty sand topsoil with some rootlets	298200	6176300	edge of Casuarina forest

DP ID	DATE	DESCRIPTION	EASTING	NORTHING	COMMENTS
O29	21/5/10	TOPSOIL – brown silty clay topsoil with some rootlets and organic matter	298200	6176200	paddock
O30	21/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298200	6176100	paddock
O31	21/5/10	TOPSOIL – brown clay topsoil with some sand and rootlets	298200	6176000	paddock
O32	21/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298200	6175900	paddock
O33	21/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298200	6175800	paddock
O34	21/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298200	6175700	paddock
O35	21/5/10	SANDY CLAY – brown sandy clay	298200	6175600	reed bed
P06	19/5/10	TOPSOIL – brown silty clay topsoil	298284	6178513	paddock
P07	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298302	6178410	edge of Lantana forest
P08	13/5/10	TOPSOIL – brown silty clay topsoil with some leaf litter	298311	6178304	edge of Lantana forest
P09	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298300	6178200	paddock
P10	13/5/10	TOPSOIL – brown silty clay topsoil with some gravel (siltstone) and rootlets	298300	6178100	paddock
P11	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298300	6178000	paddock
P12	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298300	6177900	paddock
P13	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298300	6177800	paddock
P14	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298300	6177700	paddock
P15	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298300	6177600	paddock
P16	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298300	6177500	paddock
P17	19/5/10	FILLING – dark grey sandy gravel filling	298300	6177400	edge of road
P18	20/5/10	FILLING – brown silty clay filling	298300	6177300	road embankment
P19	20/5/10	FILLING – grey sandy silty gravel filling	298300	6177200	long grass
P20	20/5/10	FILLING – grey silt filling with some gravel	298300	6177100	edge of Lantana forest
P21	20/5/10	FILLING – grey slightly gravelly silt filling	298354	6177016	Lantana forest
P22	20/5/10	FILLING – grey sandy silty gravel filling	298241	6176876	Casuarina forest
P23	20/5/10	FILLING – grey sandy silty gravel filling	298270	6176875	Casuarina forest
P24	20/5/10	FILLING – dark grey sandy gravel filling	298300	6176700	Casuarina forest
P25	20/5/10	FILLING – brown silty clay filling with some gravel	298300	6176600	long grass
P26	20/5/10	FILLING – brown sandy clay and gravel filling	298300	6176500	cleaning within Casuarina forest
P27	21/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298300	6176400	Melaleuca forest
P28	21/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298300	6176300	Melaleuca forest
P30	21/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298300	6176100	edge of track
P31	21/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298288	6176000	paddock

DP ID	DATE	DESCRIPTION	EASTING	NORTHING	COMMENTS
P32	21/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298300	6175978	paddock
P33	21/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298300	6175800	paddock
P34	21/5/10	TOPSOIL – brown sandy clay topsoil with some rootlets	298300	6175700	edge of creek
P35	21/5/10	SANDY CLAY – brown sandy clay	298300	6175600	edge of Lantana forest
P36	21/5/10	TOPSOIL – brown silty sandy clay topsoil with trace rootlets	298300	6175500	Casuarina forest
Q05	19/5/10	TOPSOIL – brown silty clay topsoil with some gravel (siltstone) and rootlets	298400	6178600	paddock
Q06	13/5/10	SILTY CLAY – brown silty clay	298367	6178465	poisoned Lantana forest
Q07	13/5/10	FILLING – brown silty clay filling	298396	6178392	edge of road within forest
Q08	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298402	6178288	edge of Lantana forest
Q09	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298400	6178200	paddock
Q10	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298400	6178100	paddock
Q11	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298400	6178000	paddock
Q12	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298400	6177900	paddock
Q18	20/5/10	FILLING – grey sandy gravel filling	298400	6177300	Eucalypt forest
Q19	20/5/10	FILLING – grey silty gravel filling	298400	6177200	paddock
Q20	20/5/10	FILLING – light grey gravelly silty clay	298400	6177100	paddock
Q21	20/5/10	FILLING – light brown mottled orange clay filling with some gravel (sandstone)	298400	6177000	paddock
Q22	20/5/10	FILLING – light grey gravelly silty clay filling	298442	6176910	forest
Q23	20/5/10	FILLING – light grey gravelly silty clay filling	298449	6176841	forest
Q24	19/5/10	FILLING – grey gravel (coalwash) filling	298425	6176711	forest
Q25	20/5/10	FILLING – light grey gravelly silt filling	298400	6176600	edge of forest
Q26	20/5/10	SILTY CLAY – brown sandy silty clay with some gravel and shell fragments	298400	6176500	creek bed
Q27	21/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298400	6176400	Casuarina forest
Q28	21/5/10	TOPSOIL – brown silty sandy clay topsoil with some rootlets	298401	6176277	Casuarina forest
Q29	21/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298422	6176204	Casuarina forest
Q30	21/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298388	6176062	near track
Q31	21/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298437	6176033	near track
Q32	21/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298400	6175900	paddock
Q33	21/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298400	6175800	paddock
Q34	21/5/10	TOPSOIL – brown sandy silt topsoil with some rootlets	298404	6175681	Casuarina forest
Q35	21/5/10	TOPSOIL – brown silty sand topsoil with some rootlets	298400	6175600	Casuarina forest
Q36	21/5/10	TOPSOIL – brown silty sand topsoil with some clay and rootlets	298400	6175500	Casuarina forest

SAMPLE RECORD

DP ID	DATE	DESCRIPTION	EASTING	NORTHING	COMMENTS
R04	19/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298500	6178700	paddock
R05	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298500	6178600	edge of Lantana forest
R06	13/5/10	SILTY CLAY – brown silty clay with some organic matter	298500	6178500	poisoned Lantana forest
R07	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298500	6178400	paddock
R08	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298500	6178300	paddock
R09	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298500	6178200	paddock
R10	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298500	6178100	paddock
R11	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298500	6178000	paddock
R12	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298500	6177900	paddock
R18	19/5/10	SILTY CLAY – brown silty clay with some rootlets	298506	6177310	edge of Lantana forest
R19	19/5/10	SILTY CLAY – brown silty clay with some gravel (siltstone)	298500	6177200	paddock
R20	19/5/10	TOPSOIL – brown silty sand topsoil with some rootlets	298530	6177095	Casuarina forest
R21	19/5/10	FILLING – brown grey sandy clay filling	298561	6176966	edge of Lantana forest
R22	19/5/10	FILLING - brown sandy clay filling with some gravel	298555	6176927	Casuarina forest
R23	20/5/10	FILLING – black gravel (coalwash) filling	298500	6176800	paddock
R24	19/5/10	FILLING – black gravel (coalwash) filling	298500	6176700	forest
R25	20/5/10	FILLING – grey silt filling with some gravel	298500	6176600	forest
R26	20/5/10	FILLING – brown silty clay filling with some rootlets	298500	6176500	road embankment
R27	21/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298500	6176400	Casuarina forest
R28	21/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298500	6176300	Casuarina forest
R29	21/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298500	6176200	Casuarina forest
R30	21/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298490	6176041	near track
R31	21/5/10	TOPSOIL – brown silty clay topsoil with some organic matter and trace sand	298504	6176025	near track
R32	21/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298500	6175900	paddock
R33	21/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298500	6175800	paddock
R34	21/5/10	TOPSOIL – brown sandy clay topsoil with some rootlets	298540	6175620	edge of Lantana forest
R35	21/5/10	TOPSOIL – brown silty sand topsoil with some rootlets	298500	6175600	Casuarina forest
R36	21/5/10	SANDY CLAY – brown sandy clay with some rootlets	298500	6175500	edge of mudflats
S03	19/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298600	6178800	paddock
S04	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298600	6178700	paddock
S05	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298600	6178600	paddock
S06	13/5/10	SILTY CLAY – brown silty clay	298600	6178500	paddock
S07	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298600	6178400	paddock
S08	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298600	6178300	paddock

DP ID	DATE	DESCRIPTION	EASTING	NORTHING	COMMENTS
S09	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298600	6178200	paddock
S10	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298600	6178100	paddock
S11	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298600	6178000	paddock
S17	19/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298600	6177400	paddock
S18	19/5/10	TOPSOIL – brown silty clay topsoil	298600	6177300	Casuarina forest
S19	19/5/10	FILLING – grey sandy clayey silt filling	298566	6177199	edge of asbestos disposal soil covering
S20	19/5/10	FILLING – grey gravel filling	298617	6177107	edge of gravel stockpiles
S21	19/5/10	FILLING – brown gravelly clay filling	298600	6177000	Casuarina forest
S22	19/5/10	SANDY CLAY – red brown sandy clay	298600	6176900	Casuarina forest
S23	19/5/10	TOPSOIL – brown silty clay topsoil with trace gravel (sandstone)	298600	6176800	paddock
S24	19/5/10	FILLING – black gravel (coalwash) filling	298600	6176700	forest
S25	20/5/10	FILLING – grey gravelly silt filling	298600	6176600	forest
S26	20/5/10	FILLING – brown silty clay filling with some rootlets	298600	6176500	road embankment
S27	21/5/10	SANDY CLAY – grey sandy clay	298600	6176400	edge of creek
S28	21/5/10	SANDY CLAY – grey sandy clay	298600	6176300	Casuarina forest
S29	21/5/10	TOPSOIL – brown silty sandy clay topsoil with some rootlets	298600	6176200	Casuarina forest
S30	21/5/10	TOPSOIL – brown silty clay topsoil with some sand, organic matter and rootlets	298572	6176052	edge of Lantana forest
S31	21/5/10	TOPSOIL – brown silty clay topsoil with some organic matter	298600	6176000	near track
S32	21/5/10	TOPSOIL – brown silty clay topsoil with some organic matter	298600	6175900	paddock
S33	21/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298600	6175800	long grass
S34	21/5/10	TOPSOIL – brown sandy clay topsoil with some rootlets	298604	6175707	edge of Lantana forest
S35	21/5/10	TOPSOIL – brown silty sand topsoil with some clay	298651	6175598	Lantana forest
S36	21/5/10	SILTY SAND – brown grey silty sand with some clay	298600	6175500	edge of mudflats
T02	19/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298700	6178900	paddock
T03	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298700	6178800	paddock
T04	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298700	6178700	paddock
T05	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298700	6178600	paddock
T06	13/5/10	SILTY CLAY – brown silty clay	298700	6178500	forest
T07	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298700	6178400	paddock
T08	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298700	6178300	paddock
T09	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298700	6178200	paddock
T10	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298700	6178100	paddock
T11	17/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298700	6178000	paddock

DP ID	DATE	DESCRIPTION	EASTING	NORTHING	COMMENTS
T17	19/5/10	TOPSOIL – dark brown silty clay topsoil	298700	6177400	paddock
T18	19/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298706	6177310	paddock
T19	19/5/10	FILLING – grey brown gravelly clay filling	298700	6177200	asbestos disposal soil covering
T20	19/5/10	FILLING – grey silt filling	298700	6177100	filled embankment
T21	19/5/10	FILLING – grey silt filling	298756	6177052	Eucalypt forest
T22	19/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298685	6176888	edge of Lantana forest
T23	19/5/10	TOPSOIL – brown slightly sandy silty clay topsoil with trace rootlets	298700	6176800	paddock
T24	20/5/10	FILLING – grey sandy gravel filling	298718	6176692	Lantana forest
T25	20/5/10	FILLING – grey sandy gravel filling	298700	6176600	Casuarina forest
T26	20/5/10	FILLING – grey sandy gravel filling	298700	6176500	road
T27	21/5/10	SANDY CLAY – grey sandy clay	298709	6176384	edge of creek
T28	21/5/10	SANDY CLAY – brown and grey sandy clay with some rootlets	298700	6176300	Spinifex grass
T29	21/5/10	SANDY CLAY – brown and grey sandy clay with some rootlets	298700	6176200	Spinifex grass
T30	21/5/10	TOPSOIL – brown silty clay topsoil with some organic matter	298710	6176083	Casuarina forest
T31	21/5/10	TOPSOIL – brown silty clay topsoil with some organic matter	298700	6176000	clearing within forest
T32	21/5/10	TOPSOIL – brown silty clay topsoil with some organic matter	298705	6175882	near creek
T33	21/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298700	6175800	long grass
T34	21/5/10	TOPSOIL – dark brown silty sand with some rootlets	298700	6175700	long grass
U03	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298800	6178800	paddock
U04	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets and trace gravel (siltstone)	298800	6178700	paddock
U05	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298800	6178600	paddock
U06	13/5/10	TOPSOIL – brown silty clay topsoil with some gravel and rootlets	298800	6178500	paddock
U07	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298800	6178400	paddock
U08	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298800	6178300	paddock
U09	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298800	6178200	paddock
U10	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298800	6178100	paddock
U19	19/5/10	SILTY CLAY – grey sandy silty clay	298800	6177200	creek bed
U20	19/5/10	FILLING – grey gravel filling	298800	6177100	road embankment
U21	19/5/10	FILLING – brown grey sandy gravel filling	298820	6177002	edge of road
U22	19/5/10	FILLING – grey sandy gravel filling	298811	6176921	edge of road
U23	20/5/10	FILLING – grey sandy gravel filling	298798	6176805	edge of road
U24	19/5/10	FILLING – grey sandy silt filling with some rootlets	298800	6176700	ash pond

SAMPLE RECORD

DP ID	DATE	DESCRIPTION	EASTING	NORTHING	COMMENTS
U25	19/5/10	FILLING – grey sandy silt filling	298800	6176600	Casuarina forest
U26	19/5/10	FILLING – grey sandy silt filling with some rootlets	298800	6176500	Casuarina forest
U27	20/5/10	FILLING – brown sandy clay and gravel filling	298813	6176443	Lantana forest
U28	21/5/10	CLAY – brown slightly sandy clay	298800	6176300	swamp grass
U29	21/5/10	CLAY – brown slightly sandy clay	298800	6176200	Spinifex grass
U30	21/5/10	TOPSOIL – brown silty sandy clay topsoil with some rootlets and organic matter	298800	6176100	near creek
U31	21/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298800	6176000	clearing within forest
U32	21/5/10	TOPSOIL – dark brown silty sand with some rootlets	298800	6175900	paddock
V04	13/5/10	SILTY CLAY – brown silty clay with some gravel	298899	6178674	paddock
V05	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298900	6178600	paddock
V06	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298900	6178500	paddock
V07	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298900	6178400	paddock
V08	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298900	6178300	paddock
V09	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298909	6178213	edge of forest
V10	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298900	6178100	paddock
V21	19/5/10	TOPSOIL – red brown slightly sandy silty clay	298840	6176947	edge of road
V23	19/5/10	TOPSOIL – brown silty clay topsoil	298900	6176800	Casuarina forest
V24	19/5/10	FILLING – grey sandy silt filling	298900	6176700	ash pond
V25	19/5/10	FILLING – grey sandy gravel filling	298900	6176600	road
V26	19/5/10	FILLING – grey sandy silt filling	298900	6176500	ash pond
V27	20/5/10	FILLING – dark grey sandy gravel filling	298900	6176400	Lantana forest
V28	21/5/10	TOPSOIL – brown sandy clay topsoil with some rootlets	298900	6176300	long grass
V29	21/5/10	CLAY – brown and grey slightly sandy clay	298900	6176200	swamp grass
V30	21/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	298900	6176100	clearing
W01	19/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	299000	6179000	paddock
W04	12/5/10	TOPSOIL – brown sandy clay topsoil with some rootlets	299000	6178700	paddock
W05	12/5/10	FILLING – brown sandy gravelly (sandstone) clay filling	299000	6178600	embankment around dam
W06	13/5/10	FILLING – brown silty clay with some rootlets	299000	6178500	paddock
W07	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	299000	6178400	paddock
W08	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	299000	6178300	paddock
W09	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	299000	6178200	paddock
W10	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	299000	6178100	paddock
W24	20/5/10	FILLING – grey silty clay filling with trace gravel	299000	6176700	paddock
W25	19/5/10	FILLING – grey sandy silt filling	299000	6176600	Casuarina forest

DP ID	DATE	DESCRIPTION	EASTING	NORTHING	COMMENTS
W26	19/5/10	FILLING – grey sandy silt filling	299000	6176500	ash pond
W27	20/5/10	FILLING – brown sandy clay filling with some gravel	299000	6176400	edge of road
W28	21/5/10	SAND – brown slightly clayey sand with some rootlets	298971	6176284	edge of creek
W29	21/5/10	SAND – brown sand with some organic matter	299000	6176200	edge of forest
X02	12/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	299100	6178900	paddock
X03	12/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	299100	6178800	paddock
X04	12/5/10	FILLING – brown sandy clay filling with some gravel and rootlets	299100	6178700	paddock
X05	12/5/10	TOPSOIL – brown sandy clay topsoil with some rootlets	299100	6178600	paddock
X06	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	299100	6178500	paddock
X07	13/5/10	TOPSOIL – brown silty clay topsoil with some gravel (siltstone) and rootlets	299100	6178400	paddock
X08	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	299100	6178300	paddock
X09	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	299100	6178200	paddock
X10	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	299100	6178100	paddock
X11	13/5/10	FILLING – brown silty clay filling with some gravel (sandstone) and rootlets	299100	6178000	embankment
X25	20/5/10	TOPSOIL – slightly sandy brown silty clay topsoil with some rootlets	299100	6176600	paddock
X26	20/5/10	TOPSOIL – brown silty clay topsoil with some sand and rootlets	299100	6176500	long grass
X27	20/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	299100	6176400	paddock
X28	20/5/10	SAND – brown and white sand	299118	6176323	foreshore
Y03	12/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	299200	6178800	paddock
Y04	12/5//10	TOPSOIL – brown silty clay topsoil with some rootlets	299206	6178699	edge of dam
Y05	12/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	299200	6178600	paddock
Y06	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	299200	6178500	paddock
Y07	13/5/10	TOPSOIL – dark brown silty clay topsoil with some rootlets	299200	6178400	paddock
Y08	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	299200	6178300	paddock
Y09	13/5/10	SILTY CLAY –brown silty clay with some rootlets	299200	6178200	paddock
Y10	19/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	299200	6178100	scrubland
Y25	20/5/10	SAND – brown sand with some shell fragments and rootlets	299143	61765968	paddock
Y26	20/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	299200	6176500	paddock
Y27	20/5/10	TOPSOIL – brown slightly silty clay topsoil with some rootlets	299200	6176400	paddock
Z04	12/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	299300	6178700	paddock
Z05	12/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	299300	6178600	paddock
Z06	12/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	299300	6178500	paddock

DP ID	DATE	DESCRIPTION	EASTING	NORTHING	COMMENTS
Z07	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	299300	6178400	paddock
Z08	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	299300	6178300	paddock
Z26	20/5/10	TOPSOIL – brown silty sandy clay topsoil with some gravel (siltstone) and rootlets	299285	6176496	paddock
AA5	12/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	299400	6178600	paddock
AA6	12/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	299400	6178500	paddock
AA7	12/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	299400	6178400	paddock
AA8	12/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	299400	6178300	paddock
AA9	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	299400	6178200	paddock
AB5	12/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	299500	6178600	paddock
AB6	12/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	299500	6178500	paddock
AB7	12/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	299500	6178400	paddock
AB8	12/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	299500	6178300	paddock
AB9	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	299500	6178200	paddock
AC5	12/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	299596	6178595	paddock
AC6	12/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	299600	6178500	paddock
AC7	12/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	299600	6178400	paddock
AC8	12/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	299600	6178300	paddock
AC9	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	299600	6178200	paddock
AD7	12/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	299700	6178400	paddock
AD8	12/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	299700	6178300	paddock
AD9	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	299700	6178200	paddock
AE8	12/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	299791	6178303	paddock
AE9	13/5/10	TOPSOIL – brown silty clay topsoil with some rootlets	299797	6178202	paddock

APPENDIX D

Chain-of-custody Despatch Sheets
NATA Laboratory Reports

Douglas Partners
Geotechnics · Environment · Groundwater

Chain of Custody Despatch Sheet

To: **Envirolab Services**
12 Ashley St
Chatswood, NSW 2067
Phone: +61 (0)2 9910 6200
Fax: +61 (0)2 9910 6201

Attention: Aileen Hie

Envirolab Services
12 Ashley St
Chatswood NSW 2067
Ph: 9910 6200

Job No. 41394
Date received: 25/5/10
Time received: 11am
Received by: JML
Temp: Cool/Ambient
Cooling: Ice/Icepack
Security: Intact/Broken/None

Send results to: Douglas Partners
Unit 1, 1 Luso Drive
Unanderra NSW 2526
Attention: Jane Smalley
Jane.Smalley@douglaspartners.com.au
Phone: 02 42711836
Fax:02 42711897

Project Name: Asbestos Assessment, Tallawarra Power Station
Project Number: 40661.03
Sampler: AAW Phone: 42711836

All soil samples to be tested for Asbestos, as per David Springer Email dated 8 April 2010

Standard Turnaround

Transported to laboratory by: TNT
Relinquished by: JAS Signed: Jsmalley
Date and time: 25/5/10 2:30pm

SAMPLES RECEIVED

Please sign and date to acknowledge receipt of samples and fax back

Signature:

Date: Lab Ref:

Sample ID	Lab ID	Sample ID	Lab ID	Sample ID	Lab ID	Sample ID	Lab ID	Sample ID	Lab ID
AA5	1	F21	57	K15	113	O12	169	Q07	225
AA6	2	F22	58	K16	114	O13	170	Q08	226
AA7	3	F23	59	K17	115	O14	171	Q09	227
AA8	4	G11	60	K18	116	O15	172	Q10	228
AA9	5	G12	61	K19	117	O16	173	Q11	229
AB5	6	G13	62	K20	118	O17	174	Q12	230
AB6	7	G14	63	K21	119	O18	175	Q18	231
AB7	8	G15	64	K22	120	O19	176	Q19	232
AB8	9	G16	65	K23	121	O20	177	Q20	233
AB9	10	G17	66	L13	122	O21	178	Q21	234
AC5	11	G18	67	L14	123	O22	179	Q22	235
AC6	12	G19	68	L15	124	O23	180	Q23	236
AC7	13	G20	69	L16	125	O24	181	Q24	237
AC8	14	G21	70	L17	126	O25	182	Q25	238
AC9	15	G22	71	L18	127	O26	183	Q26	239
AD7	16	G23	72	L20	128	O27	184	Q27	240
AD8	17	H12	73	L21	129	O28	185	Q28	241
AD9	18	H13	74	L22	130	O29	186	Q29	242
AE8	19	H14	75	L23	131	O30	187	Q30	243
AE9	20	H15	76	M10	132	O31	188	Q31	244
C21	21	H16	77	M11	133	O32	189	Q32	245
C22	22	H17	78	M12	134	O33	190	Q33	246
C23	23	H18	79	M13	135	O34	191	Q34	247
C24	24	H19	80	M14	136	O35	192	Q35	248
C25	25	H20	81	M15	137	P06	193	Q36	249
D15	26	H21	82	M16	138	P07	194	R04	
D16	27	H22	83	M17	139	P08	195	R05	
D17	28	H23	84	M18	140	P09	196	R06	
D18	29	I12	85	M19	141	P10	197	R07	
D19	30	I13	86	M20	142	P11	198	R08	
D20	31	I14	87	M21	143	P12	199	R09	
D21	32	I15	88	M22	144	P13	200	R10	
D22	33	I16	89	M23	145	P14	201	R11	
D23	34	I17	90	M24	146	P15	202	R12	
D24	35	I18	91	N08	147	P16	203	R18	
E12	36	I19	92	N09	148	P17	204	R19	
E13	37	I20	93	N10	149	P18	205	R20	
E14	38	I21	94	N11	150	P19	206	R21	
E15	39	I22	95	N12	151	P20	207	R22	
E16	40	I23	96	N13	152	P21	208	R23	
E17	41	J12	97	N14	153	P22	209	R24	
E18	42	J13	98	N15	154	P23	210	R25	
E20	43	J14	99	N16	155	P24	211	R26	
E21	44	J15	100	N17	156	P25	212	R27	
E22	45	J16	101	N18	157	P26	213	R28	
E23	46	J17	102	- N19 miss	158	P27	214	R29	
F11	47	J18	103	N20	159	P28	215	R30	
F12	48	J19	104	N21	160	P30	216	R31	
F13	49	J20	105	N22	161	P31	217	R32	
F14	50	J21	106	N23	162	P32	218	R33	
F15	51	~~J21~~	~~107~~	~~N24~~	163	P33	219	R34	
F16	52	J22	108	O07	164	P34	220	R35	
F17	53	J23	109	O08	165	P35	221	R36	
F18	54	K12	110	O09	166	P36	222	S03	
F19	55	K13	111	O10	167	Q05	223	S04	
F20	56	K14	112	O11	168	Q06	224	S05	

Envirolab Services
12 Ashley St
Chatswood NSW 2067
Ph: 9910 6200

Job No: 41394
Date received: 25/5/10
Time received: 12 pm
Received by: JML
Temp: Cool/Ambient
Cooling: Ice/icepack
Security: Intact/Broken/None

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
enquiries@envirolabservices.com.au
www.envirolabservices.com.au

CERTIFICATE OF ANALYSIS 41394

Client:
Douglas Partners Unanderra
Unit 1, 1 Luso Drive
Unanderra
NSW 2526

Attention: Jane Smalley

Sample log in details:

Your Reference:	**40661.03, Tallawarra Power Station**
No. of samples:	249 Soils
Date samples received:	25/05/10
Date completed instructions received:	25/05/10

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

Report Details:

Date results requested by:	2/06/10
Date of Preliminary Report:	Not Issued
Issue Date:	1/06/10

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This document is issued in accordance with NATA's accreditation requirements.
Accredited for compliance with ISO/IEC 17025.
Tests not covered by NATA are denoted with *.

Results Approved By:

Matt Mansfield
Approved Signatory

ACCREDITED FOR TECHNICAL COMPETENCE

Asbestos ID - soils						
Our Reference:	UNITS	41394-1	41394-2	41394-3	41394-4	41394-5
Your Reference	----------	AA5	AA6	AA7	AA8	AA9
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	26/5/2010	26/5/2010	26/5/2010	26/5/2010	26/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41394-6	41394-7	41394-8	41394-9	41394-10
Your Reference	----------	AB5	AB6	AB7	AB8	AB9
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	26/5/2010	26/5/2010	26/5/2010	26/5/2010	26/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41394-11	41394-12	41394-13	41394-14	41394-15
Your Reference	----------	AC5	AC6	AC7	AC8	AC9
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	26/5/2010	26/5/2010	26/5/2010	26/5/2010	26/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41394-16	41394-17	41394-18	41394-19	41394-20
Your Reference	----------	AD7	AD8	AD9	AE8	AE9
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	26/5/2010	26/5/2010	26/5/2010	26/5/2010	26/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41394-21	41394-22	41394-23	41394-24	41394-25
Your Reference	----------	C21	C22	C23	C24	C25
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	26/5/2010	26/5/2010	26/5/2010	26/5/2010	26/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41394-26	41394-27	41394-28	41394-29	41394-30
Your Reference	----------	D15	D16	D17	D18	D19
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	26/5/2010	26/5/2010	26/5/2010	26/5/2010	26/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41394-31	41394-32	41394-33	41394-34	41394-35
Your Reference	----------	D20	D21	D22	D23	D24
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	26/5/2010	26/5/2010	26/5/2010	26/5/2010	26/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41394-36	41394-37	41394-38	41394-39	41394-40
Your Reference	----------	E12	E13	E14	E15	E16
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	26/5/2010	26/5/2010	26/5/2010	26/5/2010	26/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41394-41	41394-42	41394-43	41394-44	41394-45
Your Reference	----------	E17	E18	E20	E21	E22
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	26/5/2010	26/5/2010	26/5/2010	26/5/2010	26/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41394-46	41394-47	41394-48	41394-49	41394-50
Your Reference	----------	E23	F11	F12	F13	F14
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	26/5/2010	26/5/2010	26/5/2010	26/5/2010	26/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41394-51	41394-52	41394-53	41394-54	41394-55
Your Reference	----------	F15	F16	F17	F18	F19
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	26/5/2010	26/5/2010	26/5/2010	26/5/2010	26/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41394-56	41394-57	41394-58	41394-59	41394-60
Your Reference	----------	F20	F21	F22	F23	G11
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	26/5/2010	26/5/2010	26/5/2010	26/5/2010	26/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41394-61	41394-62	41394-63	41394-64	41394-65
Your Reference	----------	G12	G13	G14	G15	G16
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	26/5/2010	26/5/2010	26/5/2010	26/5/2010	26/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41394-66	41394-67	41394-68	41394-69	41394-70
Your Reference	----------	G17	G18	G19	G20	G21
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	26/5/2010	26/5/2010	26/5/2010	26/5/2010	26/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41394-71	41394-72	41394-73	41394-74	41394-75
Your Reference	----------	G22	G23	H12	H13	H14
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	26/5/2010	26/5/2010	26/5/2010	26/5/2010	26/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41394-76	41394-77	41394-78	41394-79	41394-80
Your Reference	----------	H15	H16	H17	H18	H19
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	26/5/2010	26/5/2010	26/5/2010	26/5/2010	26/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41394-81	41394-82	41394-83	41394-84	41394-85
Your Reference	----------	H20	H21	H22	H23	I12
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	26/5/2010	26/5/2010	26/5/2010	26/5/2010	26/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41394-86	41394-87	41394-88	41394-89	41394-90
Your Reference	----------	I13	I14	I15	I16	I17
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	26/5/2010	26/5/2010	26/5/2010	26/5/2010	26/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41394-91	41394-92	41394-93	41394-94	41394-95
Your Reference	----------	I18	I19	I20	I21	I22
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	26/5/2010	26/5/2010	26/5/2010	26/5/2010	26/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41394-96	41394-97	41394-98	41394-99	41394-100
Your Reference	----------	I23	J12	J13	J14	J15
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	26/5/2010	26/5/2010	26/5/2010	26/5/2010	26/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41394-101	41394-102	41394-103	41394-104	41394-105
Your Reference	----------	J16	J17	J18	J19	J20
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	26/5/2010	26/5/2010	26/5/2010	26/5/2010	26/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41394-106	41394-108	41394-109	41394-110	41394-111
Your Reference	----------	J21	J22	J23	K12	K13
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	26/5/2010	26/5/2010	26/5/2010	26/5/2010	26/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41394-112	41394-113	41394-114	41394-115	41394-116
Your Reference	----------	K14	K15	K16	K17	K18
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	26/5/2010	26/5/2010	26/5/2010	26/5/2010	26/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41394-117	41394-118	41394-119	41394-120	41394-121
Your Reference	----------	K19	K20	K21	K22	K23
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	26/5/2010	26/5/2010	26/5/2010	26/5/2010	26/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41394-122	41394-123	41394-124	41394-125	41394-126
Your Reference	----------	L13	L14	L15	L16	L17
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	26/5/2010	26/5/2010	26/5/2010	26/5/2010	26/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41394-127	41394-128	41394-129	41394-130	41394-131
Your Reference	----------	L18	L20	L21	L22	L23
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	26/5/2010	26/5/2010	26/5/2010	26/5/2010	26/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41394-132	41394-133	41394-134	41394-135	41394-136
Your Reference	----------	M10	M11	M12	M13	M14
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	26/5/2010	26/5/2010	26/5/2010	26/5/2010	26/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41394-137	41394-138	41394-139	41394-140	41394-141
Your Reference	----------	M15	M16	M17	M18	M19
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	26/5/2010	26/5/2010	26/5/2010	26/5/2010	26/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41394-142	41394-143	41394-144	41394-145	41394-146
Your Reference	----------	M20	M21	M22	M23	M24
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	26/5/2010	26/5/2010	26/5/2010	26/5/2010	26/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41394-147	41394-148	41394-149	41394-150	41394-151
Your Reference	----------	N08	N09	N10	N11	N12
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	26/5/2010	26/5/2010	26/5/2010	26/5/2010	26/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41394-152	41394-153	41394-154	41394-155	41394-156
Your Reference	----------	N13	N14	N15	N16	N17
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	26/5/2010	26/5/2010	26/5/2010	26/5/2010	26/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41394-157	41394-159	41394-160	41394-161	41394-162
Your Reference	----------	N18	N20	N21	N22	N23
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	26/5/2010	26/5/2010	26/5/2010	26/5/2010	26/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils		
Our Reference:	UNITS	41394-163
Your Reference	----------	N24
Type of sample	----------	Soil
Date analysed	-	26/5/2010
Sample Description	-	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected

Method ID	Methodology Summary
ASB.1	Asbestos ID - Qualitative identification of asbestos type fibres in bulk samples using Polarised Light Microscopy and Dispersion Staining Techniques.

Report Comments:

Asbestos: A portion of the supplied sample was sub-sampled for asbestos according to Envirolab procedures. We cannot guarantee that this sub-sample is indicative of the entire sample.
Envirolab recommends supplying 30-40g of sample in it's own container.
Asbestos was analysed by Approved Identifier: Matt Mansfield
Asbestos was authorised by Approved Signatory: Matt Mansfield
INS: Insufficient sample for this test NT: Not tested PQL: Practical Quantitation Limit <: Less than >: Greater than
RPD: Relative Percent Difference NA: Test not required LCS: Laboratory Control Sample NR: Not requested

Quality Control Definitions

Blank: This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate: This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike: A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample): This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surrogate Spike: Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Laboratory Acceptance Criteria:

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the sample batch were within laboratory acceptance criteria.

Duplicates: <5xPQL - any RPD is acceptable; >5xPQL - 0-50% RPD is acceptable.
Matrix Spikes and LCS: Generally 70-130% for inorganics/metals; 60-140% for organics and 10-140% for SVOC and speciated phenols is acceptable. Surrogates: 60-140% is acceptable for general organics and 10-140% for

Douglas Partners
Geotechnics · Environment · Groundwater

Chain of Custody Despatch Sheet

To: **Envirolab Services**
12 Ashley St
Chatswood, NSW 2067
Phone: +61 (0)2 9910 6200
Fax: +61 (0)2 9910 6201

Attention: Aileen Hie

Send results to: Douglas Partners
Unit 1, 1 Luso Drive
Unanderra NSW 2526
Attention: Jane Smalley
Jane.Smalley@douglaspartners.com.au
Phone: 02 42711836
Fax:02 42711897

Project Name: Asbestos Assessment, Tallawarra Power Station
Project Number: 40661.03
Sampler: MAW Phone: 42711836

All soil samples to be tested for Asbestos, as per David Springer Email dated 8 April 2010

Standard Turnaround

Transported to laboratory by: TNT
Relinquished by: MS Signed:
Date and time: 24/5/10 2-30pm

SAMPLES RECEIVED

Please sign and date to acknowledge receipt of samples and fax back

Signature:

Date: Lab Ref:

Sample ID	Lab ID	Sample ID	Lab ID	Sample ID	Lab ID	Sample ID	Lab ID	Sample ID	Lab ID
AA5	1	F21	57	K15	113	O12	169	Q07	225
AA6	2	F22	58	K16	114	O13	170	Q08	226
AA7	3	F23	59	K17	115	O14	171	Q09	227
AA8	4	G11	60	K18	116	O15	172	Q10	228
AA9	5	G12	61	K19	117	O16	173	Q11	229
AB5	6	G13	62	K20	118	O17	174	Q12	230
AB6	7	G14	63	K21	119	O18	175	Q18	231
AB7	8	G15	64	K22	120	O19	176	Q19	232
AB8	9	G16	65	K23	121	O20	177	Q20	233
AB9	10	G17	66	L13	122	O21	178	Q21	234
AC5	11	G18	67	L14	123	O22	179	Q22	235
AC6	12	G19	68	L15	124	O23	180	Q23	236
AC7	13	G20	69	L16	125	O24	181	Q24	237
AC8	14	G21	70	L17	126	O25	182	Q25	238
AC9	15	G22	71	L18	127	O26	183	Q26	239
AD7	16	G23	72	L20	128	O27	184	Q27	240
AD8	17	H12	73	L21	129	O28	185	Q28	241
AD9	18	H13	74	L22	130	O29	186	Q29	242
AE8	19	H14	75	L23	131	O30	187	Q30	243
AE9	20	H15	76	M10	132	O31	188	Q31	244
C21	21	H16	77	M11	133	O32	189	Q32	245
C22	22	H17	78	M12	134	O33	190	Q33	246
C23	23	H18	79	M13	135	O34	191	Q34	247
C24	24	H19	80	M14	136	O35	192	Q35	248
C25	25	H20	81	M15	137	P06	193	Q36	249
D15	26	H21	82	M16	138	P07	194	R04	
D16	27	H22	83	M17	139	P08	195	R05	
D17	28	H23	84	M18	140	P09	196	R06	
D18	29	I12	85	M19	141	P10	197	R07	
D19	30	I13	86	M20	142	P11	198	R08	
D20	31	I14	87	M21	143	P12	199	R09	
D21	32	I15	88	M22	144	P13	200	R10	
D22	33	I16	89	M23	145	P14	201	R11	
D23	34	I17	90	M24	146	P15	202	R12	
D24	35	I18	91	N08	147	P16	203	R18	
E12	36	I19	92	N09	148	P17	204	R19	
E13	37	I20	93	N10	149	P18	205	R20	
E14	38	I21	94	N11	150	P19	206	R21	
E15	39	I22	95	N12	151	P20	207	R22	
E16	40	I23	96	N13	152	P21	208	R23	
E17	41	J12	97	N14	153	P22	209	R24	
E18	42	J13	98	N15	154	P23	210	R25	
E20	43	J14	99	N16	155	P24	211	R26	
E21	44	J15	100	N17	156	P25	212	R27	
E22	45	J16	101	N18	157	P26	213	R28	
E23	46	J17	102	- N19 mix	158	P27	214	R29	
F11	47	J18	103	N20	159	P28	215	R30	
F12	48	J19	104	N21	160	P30	216	R31	
F13	49	J20	105	N22	161	P31	217	R32	
F14	50	J21	106	N23	162	P32	218	R33	
F15	51	~~J21~~	~~107~~	N24	163	P33	219	R34	
F16	52	J22	108	X O07	164	P34	220	R35	
F17	53	J23	109	O08	165	P35	221	R36	
F18	54	K12	110	O09	166	P36	222	S03	
F19	55	K13	111	O10	167	Q05	223	S04	
F20	56	K14	112	O11	168	Q06	224	S05	

Envirolab Services
12 Ashley St
Chatswood NSW 2067
Ph: 9910 6200

Job No: 41394-A
Date received: 25/5/10
Time received: 12 pm
Received by: JML
Temp: Cool/Ambient
Cooling: Ice/Icepack
Security: Intact/Broken/None

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
enquiries@envirolabservices.com.au
www.envirolabservices.com.au

CERTIFICATE OF ANALYSIS 41394-A

Client:
Douglas Partners Unanderra
Unit 1, 1 Luso Drive
Unanderra
NSW 2526

Attention: Jane Smalley

Sample log in details:

Your Reference:	**40661.03, Tallawarra Power Station**
No. of samples:	249 Soils
Date samples received:	25/05/10
Date completed instructions received:	25/05/10

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

Report Details:

Date results requested by:	2/06/10
Date of Preliminary Report:	Not Issued
Issue Date:	1/06/10

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Accredited for compliance with ISO/IEC 17025.
Tests not covered by NATA are denoted with *.

Results Approved By:

Asbestos ID - soils						
Our Reference:	UNITS	41394-A-164	41394-A-165	41394-A-166	41394-A-167	41394-A-168
Your Reference	----------	O07	O08	O09	O10	O11
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	28/5/2010	28/5/2010	28/5/2010	28/5/2010	28/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41394-A-169	41394-A-170	41394-A-171	41394-A-172	41394-A-173
Your Reference	----------	O12	O13	O14	O15	O16
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	28/5/2010	28/5/2010	28/5/2010	28/5/2010	28/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41394-A-174	41394-A-175	41394-A-176	41394-A-177	41394-A-178
Your Reference	----------	O17	O18	O19	O20	O21
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	28/5/2010	28/5/2010	28/5/2010	28/5/2010	28/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41394-A-179	41394-A-180	41394-A-181	41394-A-182	41394-A-183
Your Reference	----------	O22	O23	O24	O25	O26
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	28/5/2010	28/5/2010	28/5/2010	28/5/2010	28/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41394-A-184	41394-A-185	41394-A-186	41394-A-187	41394-A-188
Your Reference	----------	O27	O28	O29	O30	O31
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	28/5/2010	28/5/2010	28/5/2010	28/5/2010	28/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41394-A-189	41394-A-190	41394-A-191	41394-A-192	41394-A-193
Your Reference	----------	O32	O33	O34	O35	P06
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	28/5/2010	28/5/2010	28/5/2010	28/5/2010	28/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41394-A-194	41394-A-195	41394-A-196	41394-A-197	41394-A-198
Your Reference	----------	P07	P08	P09	P10	P11
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	28/5/2010	28/5/2010	28/5/2010	28/5/2010	28/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41394-A-199	41394-A-200	41394-A-201	41394-A-202	41394-A-203
Your Reference	----------	P12	P13	P14	P15	P16
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	28/5/2010	28/5/2010	28/5/2010	28/5/2010	28/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41394-A-204	41394-A-205	41394-A-206	41394-A-207	41394-A-208
Your Reference	----------	P17	P18	P19	P20	P21
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	28/5/2010	28/5/2010	28/5/2010	28/5/2010	28/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41394-A-209	41394-A-210	41394-A-211	41394-A-212	41394-A-213
Your Reference	----------	P22	P23	P24	P25	P26
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	28/5/2010	28/5/2010	28/5/2010	28/5/2010	28/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41394-A-214	41394-A-215	41394-A-216	41394-A-217	41394-A-218
Your Reference	----------	P27	P28	P30	P31	P32
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	28/5/2010	28/5/2010	28/5/2010	28/5/2010	28/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41394-A-219	41394-A-220	41394-A-221	41394-A-222	41394-A-223
Your Reference	----------	P33	P34	P35	P36	Q05
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	28/5/2010	28/5/2010	28/5/2010	28/5/2010	28/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41394-A-224	41394-A-225	41394-A-226	41394-A-227	41394-A-228
Your Reference	----------	Q06	Q07	Q08	Q09	Q10
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	28/5/2010	28/5/2010	28/5/2010	28/5/2010	28/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41394-A-229	41394-A-230	41394-A-231	41394-A-232	41394-A-233
Your Reference	----------	Q11	Q12	Q18	Q19	Q20
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	28/5/2010	28/5/2010	28/5/2010	28/5/2010	28/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41394-A-234	41394-A-235	41394-A-236	41394-A-237	41394-A-238
Your Reference	----------	Q21	Q22	Q23	Q24	Q25
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	28/5/2010	28/5/2010	28/5/2010	28/5/2010	28/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41394-A-239	41394-A-240	41394-A-241	41394-A-242	41394-A-243
Your Reference	----------	Q26	Q27	Q28	Q29	Q30
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	28/5/2010	28/5/2010	28/5/2010	28/5/2010	28/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41394-A-244	41394-A-245	41394-A-246	41394-A-247	41394-A-248
Your Reference	----------	Q31	Q32	Q33	Q34	Q35
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	28/5/2010	28/5/2010	28/5/2010	28/5/2010	28/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils		
Our Reference:	UNITS	41394-A-249
Your Reference	----------	Q36
Type of sample	----------	Soil
Date analysed	-	28/5/2010
Sample Description	-	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected

Method ID	Methodology Summary
AS4964-2004	Asbestos ID - Qualitative identification of asbestos type fibres in bulk samples using Polarised Light Microscopy and Dispersion Staining Techniques.

Report Comments:

Asbestos: A portion of the supplied sample was sub-sampled for asbestos according to Envirolab procedures. We cannot guarantee that this sub-sample is indicative of the entire sample.
Envirolab recommends supplying 30-40g of sample in it's own container.
Asbestos was analysed by Approved Identifier: Matt Mansfield
Asbestos was authorised by Approved Signatory: Matt Mansfield
INS: Insufficient sample for this test NT: Not tested PQL: Practical Quantitation Limit <: Less than >: Greater than
RPD: Relative Percent Difference NA: Test not required LCS: Laboratory Control Sample NR: Not requested

Quality Control Definitions

Blank: This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate: This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike: A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample): This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surrogate Spike: Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Laboratory Acceptance Criteria:

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the sample batch were within laboratory acceptance criteria.

Duplicates: <5xPQL - any RPD is acceptable; >5xPQL - 0-50% RPD is acceptable.
Matrix Spikes and LCS: Generally 70-130% for inorganics/metals; 60-140% for organics and 10-140% for SVOC and speciated phenols is acceptable. Surrogates: 60-140% is acceptable for general organics and 10-140% for

Douglas Partners
Geotechnics · Environment · Groundwater

Chain of Custody Despatch Sheet

To: **Envirolab Services**
12 Ashley St
Chatswood, NSW 2067
Phone: +61 (0)2 9910 6200
Fax: +61 (0)2 9910 6201

Attention: Aileen Hie

Envirolab Services
12 Ashley St
Chatswood NSW 2067
Ph: 9910 6200

Job No: 41398
Date received: 25/5/10
Time received: 12pm
Received by: JNL
Temp: Cool/Ambient
Cooling: Ice/Icepack
Security: Intact/Broken/None

Send results to: Douglas Partners
Unit 1, 1 Luso Drive
Unanderra NSW 2526
Attention: Jane Smalley
Jane.Smalley@douglaspartners.com.au
Phone: 02 42711836
Fax:02 42711897

Project Name: Asbestos Assessment, Tallawarra Power Station
Project Number: 40661.03
Sampler: Phone:

All soil samples to be tested for Asbestos, as per David Springer Email dated 8 April 2010

Standard Turnaround

Transported to laboratory by: TNT
Relinquished by: JAS Signed:
Date and time: 24/5/10

SAMPLES RECEIVED

Please sign and date to acknowledge receipt of samples and fax back

Signature:

Date: Lab Ref:

Envirolab Servic
12 Ashley
Chatswood NSW 20
Ph: 9910 62

Job No: 41398
Date received: 25/5/10
Time received: 12
Received by: JML
Temp: Cool/Ambient
Cooling: Ice/Icepack
Security: Intact/Broken/None

Sample ID	Lab ID	Sample ID	Lab ID	Sample ID	Lab ID	Sample ID	Lab ID	Sample ID	Lab ID
AA5		F21		K15		O12		Q07	
AA6		F22		K16		O13		Q08	
AA7		F23		K17		O14		Q09	
AA8		G11		K18		O15		Q10	
AA9		G12		K19		O16		Q11	
AB5		G13		K20		O17		Q12	
AB6		G14		K21		O18		Q18	
AB7		G15		K22		O19		Q19	
AB8		G16		K23		O20		Q20	
AB9		G17		L13		O21		Q21	
AC5		G18		L14		O22		Q22	
AC6		G19		L15		O23		Q23	
AC7		G20		L16		O24		Q24	
AC8		G21		L17		O25		Q25	
AC9		G22		L18		O26		Q26	
AD7		G23		L20		O27		Q27	
AD8		H12		L21		O28		Q28	
AD9		H13		L22		O29		Q29	
AE8		H14		L23		O30		Q30	
AE9		H15		M10		O31		Q31	
C21		H16		M11		O32		Q32	
C22		H17		M12		O33		Q33	
C23		H18		M13		O34		Q34	
C24		H19		M14		O35		Q35	
C25		H20		M15		P06		Q36	
D15		H21		M16		P07		R04	1
D16		H22		M17		P08		R05	2
D17		H23		M18		P09		R06	3
D18		I12		M19		P10		R07	4
D19		I13		M20		P11		R08	5
D20		I14		M21		P12		R09	6
D21		I15		M22		P13		R10	7
D22		I16		M23		P14		R11	8
D23		I17		M24		P15		R12	9
D24		I18		N08		P16		R18	10
E12		I19		N09		P17		R19	11
E13		I20		N10		P18		R20	12
E14		I21		N11		P19		R21	13
E15		I22		N12		P20		R22	14
E16		I23		N13		P21		R23	15
E17		J12		N14		P22		R24	16
E18		J13		N15		P23		R25	17
E20		J14		N16		P24		R26	18
E21		J15		N17		P25		R27	19
E22		J16		N18		P26		R28	20
E23		J17		N19		P27		R29	21
F11		J18		N20		P28		R30	22
F12		J19		N21		P30		R31	23
F13		J20		N22		P31		R32	24
F14		J21		N23		P32		R33	25
F15		J21		N24		P33		R34	26
F16		J22		O07		P34		R35	27
F17		J23		O08		P35		R36	28
F18		K12		O09		P36		S03	29
F19		K13		O10		Q05		S04	30
F20		K14		O11		Q06		S05	31

Sample ID	Lab ID	Sample ID	Lab ID	Sample ID	Lab ID
S06	32	U05	88	X08	144
S07	33	U06	89	X09	145
S08	34	U07	90	X10	146
S09	35	U08	91	X11	147
S10	36	U09	92	X25	148
S11	37	U10	93	X26	149
S17	38	U19	94	X27	150
S18	39	U20	95	X28	151
S19	40	U21	96	Y03	152
S20	41	U22	97	Y04	153
S21	42	U23	98	Y05	154
S22	43	U24	99	Y06	155
S23	44	U25	100	Y07	156
S24	45	U26	101	Y08	157
S25	46	U27	102	Y09	158
S26	47	U28	103	Y10	159
S27	48	U29	104	Y25	160
S28	49	U30	105	Y26	161
S29	50	~~U30~~	~~106~~	Y27	162
S30	51	U31	107	Z04	163
S31	52	V04	108	Z05	164
S32	53	V05	109	Z06	165
S33	54	V06	110	Z07	166
S34	55	V07	111	Z08	167
S35	56	V08	112	Z26	168
S36	57	V09	113	V32	169
T02	58	V10	114	L24	170
T03	59	V21	115		
T04	60	V23	116		
T05	61	V24	117		
T06	62	V25	118		
T07	63	V26	119		
T08	64	V27	120		
T09	65	V28	121		
T10	66	V29	122		
T11	67	V30	123		
T17	68	W01	124		
T18	69	W04	125		
T19	70	W05	126		
T20	71	W06	127		
T21	72	W07	128		
T22	73	W08	129		
T23	74	W09	130		
T24	75	W10	131		
T25	76	W24	132		
T26	77	W25	133		
T27	78	W26	134		
T28	79	W27	135		
T29	80	W28	136		
T30	81	W29	137		
T31	82	X02	138		
T32	83	X03	139		
T33	84	X04	140		
T34	85	X05	141		
U03	86	X06	142		
U04	87	X07	143		

Envirolab Services
12 Ashley St
Chatswood NSW 2067
Ph: 9910 6200

Job No: 41398

Date received: 25/5/10

Time received: 12pm

Received by: JML

Temp: Cool/Ambient

Cooling: Ice/Icepack

Security: Intact/Broken/None

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
enquiries@envirolabservices.com.au
www.envirolabservices.com.au

CERTIFICATE OF ANALYSIS 41398

Client:
Douglas Partners Unanderra
Unit 1, 1 Luso Drive
Unanderra
NSW 2526

Attention: Jane Smalley

Sample log in details:

Your Reference:	**40661.03, Tallawarra Power Station**
No. of samples:	170 Soils
Date samples received:	25/05/10
Date completed instructions received:	25/05/10

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

Report Details:

Date results requested by:	2/06/10
Date of Preliminary Report:	Not Issued
Issue Date:	1/06/10

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Accredited for compliance with ISO/IEC 17025.
Tests not covered by NATA are denoted with *.

Results Approved By:

Matt Mansfield
Approved Signatory

Asbestos ID - soils						
Our Reference:	UNITS	41398-1	41398-2	41398-3	41398-4	41398-5
Your Reference	----------	R04	R05	R06	R07	R08
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	31/5/2010	31/5/2010	31/5/2010	31/5/2010	31/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41398-6	41398-7	41398-8	41398-9	41398-10
Your Reference	----------	R09	R10	R11	R12	R18
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	31/5/2010	31/5/2010	31/5/2010	31/5/2010	31/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41398-11	41398-12	41398-13	41398-14	41398-15
Your Reference	----------	R19	R20	R21	R22	R23
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	31/5/2010	31/5/2010	31/5/2010	31/5/2010	31/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41398-16	41398-17	41398-18	41398-19	41398-20
Your Reference	----------	R24	R25	R26	R27	R28
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	31/5/2010	31/5/2010	31/5/2010	31/5/2010	31/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41398-21	41398-22	41398-23	41398-24	41398-25
Your Reference	----------	R29	R30	R31	R32	R33
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	31/5/2010	31/5/2010	31/5/2010	31/5/2010	31/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41398-26	41398-27	41398-28	41398-29	41398-30
Your Reference	----------	R34	R35	R36	S03	S04
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	31/5/2010	31/5/2010	31/5/2010	31/5/2010	31/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41398-31	41398-32	41398-33	41398-34	41398-35
Your Reference	----------	S05	S06	S07	S08	S09
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	31/5/2010	31/5/2010	31/5/2010	31/5/2010	31/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41398-36	41398-37	41398-38	41398-39	41398-40
Your Reference	----------	S10	S11	S17	S18	S19
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	31/5/2010	31/5/2010	31/5/2010	31/5/2010	31/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41398-41	41398-42	41398-43	41398-44	41398-45
Your Reference	----------	S20	S21	S22	S23	S24
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	31/5/2010	31/5/2010	31/5/2010	31/5/2010	31/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41398-46	41398-47	41398-48	41398-49	41398-50
Your Reference	----------	S25	S26	S27	S28	S29
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	31/5/2010	31/5/2010	31/5/2010	31/5/2010	31/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41398-51	41398-52	41398-53	41398-54	41398-55
Your Reference	----------	S30	S31	S32	S33	S34
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	31/5/2010	31/5/2010	31/5/2010	31/5/2010	31/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41398-56	41398-57	41398-58	41398-59	41398-60
Your Reference	----------	S35	S36	T02	T03	T04
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	31/5/2010	31/5/2010	31/5/2010	31/5/2010	31/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41398-61	41398-62	41398-63	41398-64	41398-65
Your Reference	----------	T05	T06	T07	T08	T09
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	31/5/2010	31/5/2010	31/5/2010	31/5/2010	31/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41398-66	41398-67	41398-68	41398-69	41398-70
Your Reference	----------	T10	T11	T17	T18	T19
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	31/5/2010	31/5/2010	31/5/2010	31/5/2010	31/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41398-71	41398-72	41398-73	41398-74	41398-75
Your Reference	----------	T20	T21	T22	T23	T24
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	31/5/2010	31/5/2010	31/5/2010	31/5/2010	31/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41398-76	41398-77	41398-78	41398-79	41398-80
Your Reference	----------	T25	T26	T27	T28	T29
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	31/5/2010	31/5/2010	31/5/2010	31/5/2010	31/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41398-81	41398-82	41398-83	41398-84	41398-85
Your Reference	----------	T30	T31	T32	T33	T34
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	31/5/2010	31/5/2010	31/5/2010	31/5/2010	31/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41398-86	41398-87	41398-88	41398-89	41398-90
Your Reference	----------	U03	U04	U05	U06	U07
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	31/5/2010	31/5/2010	31/5/2010	31/5/2010	31/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41398-91	41398-92	41398-93	41398-94	41398-95
Your Reference	----------	U08	U09	U10	U19	U20
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	31/5/2010	31/5/2010	31/5/2010	31/5/2010	31/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41398-96	41398-97	41398-98	41398-99	41398-100
Your Reference	----------	U21	U22	U23	U24	U25
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	31/5/2010	31/5/2010	31/5/2010	31/5/2010	31/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41398-101	41398-102	41398-103	41398-104	41398-105
Your Reference	----------	U26	U27	U28	U29	U30
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	31/5/2010	31/5/2010	31/5/2010	31/5/2010	31/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41398-107	41398-108	41398-109	41398-110	41398-111
Your Reference	----------	U31	V04	V05	V06	V07
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	31/5/2010	31/5/2010	31/5/2010	31/5/2010	31/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41398-112	41398-113	41398-114	41398-115	41398-116
Your Reference	----------	V08	V09	V10	V21	V23
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	31/5/2010	31/5/2010	31/5/2010	31/5/2010	31/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41398-117	41398-118	41398-119	41398-120	41398-121
Your Reference	----------	V24	V25	V26	V27	V28
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	31/5/2010	31/5/2010	31/5/2010	31/5/2010	31/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41398-122	41398-123	41398-124	41398-125	41398-126
Your Reference	----------	V29	V30	W01	W04	W05
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	31/5/2010	31/5/2010	31/5/2010	31/5/2010	31/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41398-127	41398-128	41398-129	41398-130	41398-131
Your Reference	----------	W06	W07	W08	W09	W10
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	31/5/2010	31/5/2010	31/5/2010	31/5/2010	31/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41398-132	41398-133	41398-134	41398-135	41398-136
Your Reference	----------	W24	W25	W26	W27	W28
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	31/5/2010	31/5/2010	31/5/2010	31/5/2010	31/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41398-137	41398-138	41398-139	41398-140	41398-141
Your Reference	----------	W29	X02	X03	X04	X05
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	31/5/2010	31/5/2010	31/5/2010	31/5/2010	31/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41398-142	41398-143	41398-144	41398-145	41398-146
Your Reference	----------	X06	X07	X08	X09	X10
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	31/5/2010	31/5/2010	31/5/2010	31/5/2010	31/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41398-147	41398-148	41398-149	41398-150	41398-151
Your Reference	----------	X11	X25	X26	X27	X28
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	31/5/2010	31/5/2010	31/5/2010	31/5/2010	31/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41398-152	41398-153	41398-154	41398-155	41398-156
Your Reference	----------	Y03	Y04	Y05	Y06	Y07
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	31/5/2010	31/5/2010	31/5/2010	31/5/2010	31/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41398-157	41398-158	41398-159	41398-160	41398-161
Your Reference	----------	Y08	Y09	Y10	Y25	Y26
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	31/5/2010	31/5/2010	31/5/2010	31/5/2010	31/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41398-162	41398-163	41398-164	41398-165	41398-166
Your Reference	----------	Y27	Z04	Z05	Z06	Z07
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	31/5/2010	31/5/2010	31/5/2010	31/5/2010	31/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils Our Reference: Your Reference Type of sample	UNITS ---------- ----------	41398-167 Z08 Soil	41398-168 Z26 Soil	41398-169 V32 Soil	41398-170 L24 Soil
Date analysed	-	31/5/2010	31/5/2010	31/5/2010	31/5/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Method ID	Methodology Summary
ASB.1	Asbestos ID - Qualitative identification of asbestos type fibres in bulk samples using Polarised Light Microscopy and Dispersion Staining Techniques.

Report Comments:

Asbestos: A portion of the supplied sample was sub-sampled for asbestos according to Envirolab procedures. We cannot guarantee that this sub-sample is indicative of the entire sample.
Envirolab recommends supplying 30-40g of sample in it's own container.
Asbestos was analysed by Approved Identifier: Matt Mansfield
Asbestos was authorised by Approved Signatory: Matt Mansfield
INS: Insufficient sample for this test NT: Not tested PQL: Practical Quantitation Limit <: Less than >: Greater than
RPD: Relative Percent Difference NA: Test not required LCS: Laboratory Control Sample NR: Not requested

Quality Control Definitions

Blank: This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate: This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike: A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample): This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surrogate Spike: Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Laboratory Acceptance Criteria:

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the sample batch were within laboratory acceptance criteria.

Duplicates: <5xPQL - any RPD is acceptable; >5xPQL - 0-50% RPD is acceptable.
Matrix Spikes and LCS: Generally 70-130% for inorganics/metals; 60-140% for organics and 10-140% for SVOC and speciated phenols is acceptable. Surrogates: 60-140% is acceptable for general organics and 10-140% for

Douglas Partners
Geotechnics · Environment · Groundwater

Chain of Custody Despatch Sheet

To: **Envirolab Services**
12 Ashley St
Chatswood, NSW 2067
Phone: +61 (0)2 9910 6200
Fax: +61 (0)2 9910 6201

Attention: Aileen Hie

For large blue eshy

Send results to: Douglas Partners
Unit 1, 1 Luso Drive
Unanderra NSW 2526
Attention: Jane Smalley
Jane.Smalley@douglaspartners.com.au
Phone: 02 42711836
Fax:02 42711897

Project Number 40661.03

Project Name: Asbestos Assessment, Tallawarra Power Station
Project Number: 40661.03
Sampler: AAW/OBY Phone: 0412 754 162

All soil samples to be tested for Asbestos, as per David Springer Email dated 8 April 2010

Standard Turnaround

Transported to laboratory by: Clippers
Relinquished by: AAW Signed:
Date and time: 31-5-10 9am

SAMPLES RECEIVED

Please sign and date to acknowledge receipt of samples and fax back

Signature:

Date: 31/4/10 Lab Ref: 41604

Envirolab Services
12 Ashley St
Chatswood NSW 2067
Ph: 9910 6200

Job No: 41604
Date received: 31/4/10
Time received: 2pm
Received by: J.L.
Temp: Cool/Ambient
Cooling: Ice/Icepack
Security: Intact/Broken/None

Sample ID	Lab ID	Sample ID	Lab ID	Sample ID	Lab ID
A31	1	H33	57	N26	108
B28	2	I24	58	N27	109
B29	3	I25	59	N28	110
B30	4	I26	60	N29	111
B31	5	I27	61	N30	112
B32	6	I28	62	N31	113
C26	7	I29	63	N32	114
C27	8	I30	64	N33	115
C28	9	I31	65	N34	116
C29	10	I33	66	O23	117
C30	11	J24	67		
C31	12	J25	68	T32	118
C32	13	J26	69	K31	119
D25	14	J27	70	K32	120
D26	15	J28	71		
D27	16	J29	72		
D28	17	J30	73		
D29	18	J31	74		
D30	19	J32	75		
D31	20	J33	76		
D32	21	K24	77		
E24	22	K25	78		
E25	23	K26	79		
E26	24	K27	80		
E27	25	K28	81		
E28	26	K29	82		
E29	27	K30	83		
E30	28	K33	84		
E31	29	K34	85		
E32	30	L25	86		
E33	31	L26	87		
F24	32	L27	88		
F25	33	L28	89		
F26	34	L29	90		
F27	35	L30	91		
F28	36	L31	92		
F29	37	L32	93		
F30	38	L33	94		
F32	39	L34	95		
F33	40	M25	96		
G24	41	M26	97		
G25	42	M27	98		
G26	43	M28	99		
G27	44	M29	100		
G28	45	M30	101		
G29	46	M31	102		
G32	47	M32	103		
G33	48	M33	104		
H24	49	M34	105		
H25	50	N19	106		
H26	51	N20			
H27	52	N21			
H28	53	N22	NOT RECEIVED		
H29	54	N23			
H30	55	N24			
H32	56	N25	107		

41604

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
enquiries@envirolabservices.com.au
www.envirolabservices.com.au

CERTIFICATE OF ANALYSIS 41604

Client:
Douglas Partners Unanderra
Unit 1, 1 Luso Drive
Unanderra
NSW 2526

Attention: Jane Smalley

Sample log in details:

Your Reference:	**40661.03, Tallawarra Power Station**
No. of samples:	120 Soils
Date samples received:	31/05/10
Date completed instructions received:	31/05/10

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

Report Details:

Date results requested by:	7/06/10
Date of Preliminary Report:	Not Issued
Issue Date:	4/06/10

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This document is issued in accordance with NATA's accreditation requirements.
Accredited for compliance with ISO/IEC 17025.
Tests not covered by NATA are denoted with *.

Results Approved By:

Matt Mansfield
Approved Signatory

ACCREDITED FOR TECHNICAL COMPETENCE

Asbestos ID - soils						
Our Reference:	UNITS	41604-1	41604-2	41604-3	41604-4	41604-5
Your Reference	----------	A31	B28	B29	B30	B31
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	3/6/2010	3/6/2010	3/6/2010	3/6/2010	3/6/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41604-6	41604-7	41604-8	41604-9	41604-10
Your Reference	----------	B32	C26	C27	C28	C29
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	3/6/2010	3/6/2010	3/6/2010	3/6/2010	3/6/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41604-11	41604-12	41604-13	41604-14	41604-15
Your Reference	----------	C30	C31	C32	D25	D26
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	3/6/2010	3/6/2010	3/6/2010	3/6/2010	3/6/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41604-16	41604-17	41604-18	41604-19	41604-20
Your Reference	----------	D27	D28	D29	D30	D31
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	3/6/2010	3/6/2010	3/6/2010	3/6/2010	3/6/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41604-21	41604-22	41604-23	41604-24	41604-25
Your Reference	----------	D32	E24	E25	E26	E27
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	3/6/2010	3/6/2010	3/6/2010	3/6/2010	3/6/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41604-26	41604-27	41604-28	41604-29	41604-30
Your Reference	----------	E28	E29	E30	E31	E32
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	3/6/2010	3/6/2010	3/6/2010	3/6/2010	3/6/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41604-31	41604-32	41604-33	41604-34	41604-35
Your Reference	----------	E33	F24	F25	F26	F27
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	3/6/2010	3/6/2010	3/6/2010	3/6/2010	3/6/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41604-36	41604-37	41604-38	41604-39	41604-40
Your Reference	----------	F28	F29	F30	F32	F33
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	3/6/2010	3/6/2010	3/6/2010	3/6/2010	3/6/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41604-41	41604-42	41604-43	41604-44	41604-45
Your Reference	----------	G24	G25	G26	G27	G28
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	3/6/2010	3/6/2010	3/6/2010	3/6/2010	3/6/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41604-46	41604-47	41604-48	41604-49	41604-50
Your Reference	----------	G29	G32	G33	H24	H25
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	3/6/2010	3/6/2010	3/6/2010	3/6/2010	3/6/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41604-51	41604-52	41604-53	41604-54	41604-55
Your Reference	----------	H26	H27	H28	H29	H30
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	3/6/2010	3/6/2010	3/6/2010	3/6/2010	3/6/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41604-56	41604-57	41604-58	41604-59	41604-60
Your Reference	----------	H32	H33	I24	I25	I26
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	3/6/2010	3/6/2010	3/6/2010	3/6/2010	3/6/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41604-61	41604-62	41604-63	41604-64	41604-65
Your Reference	----------	I27	I28	I29	I30	I31
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	3/6/2010	3/6/2010	3/6/2010	3/6/2010	3/6/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41604-66	41604-67	41604-68	41604-69	41604-70
Your Reference	----------	I33	J24	J25	J26	J27
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	3/6/2010	3/6/2010	3/6/2010	3/6/2010	3/6/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41604-71	41604-72	41604-73	41604-74	41604-75
Your Reference	----------	J28	J29	J30	J31	J32
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	3/6/2010	3/6/2010	3/6/2010	3/6/2010	3/6/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41604-76	41604-77	41604-78	41604-79	41604-80
Your Reference	----------	J33	K24	K25	K26	K27
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	3/6/2010	3/6/2010	3/6/2010	3/6/2010	3/6/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41604-81	41604-82	41604-83	41604-84	41604-85
Your Reference	----------	K28	K29	K30	K33	K34
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	3/6/2010	3/6/2010	3/6/2010	3/6/2010	3/6/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41604-86	41604-87	41604-88	41604-89	41604-90
Your Reference	----------	L25	L26	L27	L28	L29
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	3/6/2010	3/6/2010	3/6/2010	3/6/2010	3/6/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41604-91	41604-92	41604-93	41604-94	41604-95
Your Reference	----------	L30	L31	L32	L33	L34
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	3/6/2010	3/6/2010	3/6/2010	3/6/2010	3/6/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41604-96	41604-97	41604-98	41604-99	41604-100
Your Reference	----------	M25	M26	M27	M28	M29
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	3/6/2010	3/6/2010	3/6/2010	3/6/2010	3/6/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41604-101	41604-102	41604-103	41604-104	41604-105
Your Reference	----------	M30	M31	M32	M33	M34
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	3/6/2010	3/6/2010	3/6/2010	3/6/2010	3/6/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41604-106	41604-107	41604-108	41604-109	41604-110
Your Reference	----------	N19	N25	N26	N27	N28
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	3/6/2010	3/6/2010	3/6/2010	3/6/2010	3/6/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41604-111	41604-112	41604-113	41604-114	41604-115
Your Reference	----------	N29	N30	N31	N32	N33
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	3/6/2010	3/6/2010	3/6/2010	3/6/2010	3/6/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Asbestos ID - soils						
Our Reference:	UNITS	41604-116	41604-117	41604-118	41604-119	41604-120
Your Reference	----------	N34	O23	I32	K31	K32
Type of sample	----------	Soil	Soil	Soil	Soil	Soil
Date analysed	-	3/6/2010	3/6/2010	3/6/2010	3/6/2010	3/6/2010
Sample Description	-	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil	Approx 40g Soil
Asbestos ID in soil	-	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg	No asbestos found at reporting limit of 0.1g/kg
Trace Analysis	-	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected	Respirable fibres not detected

Method ID	Methodology Summary
ASB.1	Asbestos ID - Qualitative identification of asbestos type fibres in bulk samples using Polarised Light Microscopy and Dispersion Staining Techniques.

Report Comments:

Asbestos: A portion of the supplied sample was sub-sampled for asbestos according to Envirolab procedures. We cannot guarantee that this sub-sample is indicative of the entire sample.
Envirolab recommends supplying 30-40g of sample in it's own container.
Asbestos was analysed by Approved Identifier: Matt Mansfield
Asbestos was authorised by Approved Signatory: Matt Mansfield
INS: Insufficient sample for this test NT: Not tested PQL: Practical Quantitation Limit <: Less than >: Greater than
RPD: Relative Percent Difference NA: Test not required LCS: Laboratory Control Sample NR: Not requested

Quality Control Definitions

Blank: This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate: This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike: A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample): This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surrogate Spike: Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Laboratory Acceptance Criteria:

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the sample batch were within laboratory acceptance criteria.

Duplicates: <5xPQL - any RPD is acceptable; >5xPQL - 0-50% RPD is acceptable.
Matrix Spikes and LCS: Generally 70-130% for inorganics/metals; 60-140% for organics and 10-140% for SVOC and speciated phenols is acceptable. Surrogates: 60-140% is acceptable for general organics and 10-140% for