

From: "Peter Paterson" [redacted]@northwoodenvironmental.com.au>
Sent: 05/12/2018 11:09 AM
To: "Contaminated Sites" <ContaminatedSites@act.gov.au>
Subject: Beneficial Reuse Suitability Assessment Report_Calwell Caltex Service Station_1 Webber Cr,
Calwell ACT 2905
Attachments: P018023_Calwell BRU Report.pdf, P018023_Cover Letter_For EPA Subm.pdf

Dear Sir/Madam,

Please find attached a 'Stockpile Beneficial Re-use Assessment Report' and cover letter.

The report outlines an assessment undertaken on approximately 125m³ of soil excavated from the Calwell Caltex Service Station Site.

The stockpile was derived from trench excavation works undertaken along the north Site boundary to enable the installation of a number of wells for the purpose of extracting GW.

Northwood Environmental understands that the works were undertaken at the instruction of a NSW EPA accredited Site auditor overseeing remediation works on the Site.

If you have any questions or require clarification of any points etc., please do not hesitate to contact me.

Regards
Peter

Peter Paterson

Geologist/ Hydrogeologist
Snr Contaminated Land Consultant
Northwood Environmental

Sch 2.2(a)(ii)

peter@northwoodenvironmental.com.au

03 December 2018

Mr Tony Irwin
Irwin & Hartshorn Transport Pty Ltd
12 Alderson Place
Hume ACT 2602



**NORTHWOOD
ENVIRONMENTAL**

Hydrogeological & Contaminated Land Consultants

Sch 2.2(a)(ii)

ABN: 14 489 200 657

Reference: *P018023_Calwell Caltex Service Station, Stockpile Beneficial Re-use Assessment Report*

Attention: Mr Tony Irwin

**RE: Beneficial Re-use Suitability Assessment
Calwell Caltex Service Station
1 Webber Crescent, Calwell ACT 2905
(Block 8, Section 787)**

1. INTRODUCTION

Irwin and Hartshorn Transport Pty Ltd (IHT) engaged Northwood Environmental to undertake an assessment of a stockpile of soil generated during excavation works undertaken at the Calwell Caltex service station Site located at 1 Webber Crescent, Calwell ACT 2905 (Block 8 Section 787).

The assessment was undertaken to determine the suitability of the stockpiled soil for classification as 'Beneficial Reuse' (BRU) material prior to the proposed disposal of the soil offsite at the 'Pialligo Sandstone Quarry' located off Pialligo Avenue, Pialligo 2609 (Block 1, Section 23 – 26 and Part Block 4 Section 18). The location of the Calwell Caltex Site and the Site Infrastructure are shown in Appendix B, Figures 1 and 2.

2. BACKGROUND

Northwood Environmental understands that following the identification of hydrocarbon impacted soil and groundwater on the Calwell Caltex service station site remediation works were undertaken, including the installation of system to enable the extraction and subsequent treatment of hydrocarbon impacted groundwater.

Northwood Environmental understands that the stockpile in question was generated on 21 November 2018 during the excavation of a fifteen metre long and five metre deep trench in the area adjacent to the north Site boundary and downgradient of the UPSS infrastructure. The downgradient wall of the trench was to be lined with an industrial grade plastic sheet and the excavation backfilled with roadbase packed around three, large diameter, PVC pipes with slotted sections, that were installed to enable the extraction of

impacted groundwater. Northwood Environmental understands that groundwater extracted from the wells was then to be transferred into an onsite oil water separator unit.

3. OBJECTIVE

The objective of the stockpile assessment was to determine the suitability of the stockpiled soil for beneficial offsite reuse at the former 'Pialligo Sandstone Quarry' Site located off Pialligo Avenue, Pialligo ACT 2609 (Block 1 Section 26, Block 1 Section 25, Block 1 Section 24, Block 1 Section 23 and Part Block 4 Section 18).

4. SITE CHARACTERISTICS

4.1 Site Details

Owner	Constantine Tsoulis and Canma Properties Pty Ltd (Tsoulis Group)
Street Address	1 Webber Crescent, Calwell ACT 2905
Title	Block 8, Section 787, within the division of Calwell and the District of Tuggeranong
Current Occupancy Status	Operational petroleum storage and dispensing facility (Caltex Service Station)
Surrounding Land Use	North – the 'Calwell Club' and car park areas with a main arterial roadway (Johnson Dr) located further to the north and the 'Tuggeranong Homestead' historical site located further to the north.
	East – an unnamed driveway/access road and the 'Calwell Shopping Centre'. The access road provides access from Webber Crescent to the 'Calwell Club' the 'Calwell Shopping Centre' car park.
	South – Webber Crescent runs adjacent to the south site boundary with the 'Calwell Early Childhood Centre' located on the opposite (southern) side of Webber Crescent. Further to the south are low density residential areas.
	West – Were Street runs along the west Site boundary with low density residential land use areas located to the west of Were Street.
Nearest Water Body	Tuggeranong Creek (now a concrete lined drainage channel) located along the northeast boundary of the shopping centre, approximately 200m to the northeast of the site

4.2 Topography

According to the NSW Department of Finance and Services, Land and Property Information, 1:25,000 Tuggeranong Topographic and Orthophoto Map 8727-3S (2011) the Site is located at an altitude of between 613m Australian Height Datum (AHD) in the south of the Site down to 612m AHD in the north of the Site. The topographic map indicates that the slope across the Site is toward the north, in the direction of Tuggeranong Creek, with a gradient of approximately 0.038.

4.3 Geology

According to the Bureau of Mineral Resources, Geology and Geophysics, 1:50,000 scale Geological Map 'Geology of Canberra, Queanbeyan and Environs' First Edition (1980) the Site is underlain by the 'Deakin

Volcanics' deposited during the early LATE SILURIAN Period (405-437 Ma) and comprised of green-grey and purple rhyodacite.

4.4 Hydrology

Canberra city is located in the headwaters of the Murrumbidgee River catchment area. The main water storage and delivery systems located within a 1.0km radius of the Site are 'Tuggeranong Creel located approximately 200m to the northeast of the Site. The creek is now a concrete lined drainage channel draining into the 'Isabella Pond' located approximately 3km to the northwest of the Site. "Isabella Pond' drains into 'Lake Tuggeranong' which then drains into the 'Murrumbidgee River'.

The mean annual rainfall for the Site area as detailed in the 'The Hydrogeology of the Australian Capital Territory and Environs' (1984) is approximately 650mm per year.

4.5 Hydrogeology

According to the Bureau of Mineral Resources, Geology and Geophysics, 1:100,000 scale hydrogeological map 'The Hydrogeology of the Australian Capital Territory and Environs' (1984) the Site is underlain by hydrogeological units of the LATE SILURIAN Period comprised of dacitic, rhyodacitic, ignimbrite, bedded tuffs, minor shale, sandstone, limestone and ashstone.

The hydrogeological units are usually associated with fractured rock aquifers with the higher yielding zones associated with the upper and lower portions of the individual ash-flow tuffs and interbedded sediments. Water quality within these hydrogeological units generally tends to be variable.

The 'Hydrogeology of the Australian Capital Territory and Environs' map indicates that groundwater quality within the regional aquifer, is generally acceptable based upon taste considerations and is likely to have Total Dissolved Solid concentrations of <500 mg/L and yields of <0.5 L/s.

4.6 Review of Previous Environmental Investigations

No reports detailing previously completed environmental investigations undertaken on the Site were provided to Northwood Environmental prior to the submission of this Beneficial Reuse Assessment Report.

5. SCOPE OF WORKS

The assessment of the stockpiled soil for potential offsite BRU included the following works:

- preparation of a Site Specific Safety Plan (SSSP) for the stockpile sampling works;
- mobilise to the Site and undertake an inspection of the stockpiled soil and the collection of soil samples for submission to a NATA accredited laboratory for analysis for the identified Contaminants of Potential Concern (CoPCs);
- laboratory analysis of six primary soil samples and a single duplicate soil sample for the CoPCs associated with fuel storage and dispensing sites;
- undertake a review of the laboratory analytical result and a comparison of the results against the nominated criteria established for the BRU assessment; and
- preparation of this Beneficial Reuse Classification Report, including Northwood Environmental findings and recommendations and submission of the report to the ACT EPA for review and endorsement.

6. ASSESSMENT CRITERIA

The nominated soil Investigation Levels (ILs) have been selected to assess the suitability of the stockpiled soil for potential beneficial offsite reuse and to assess the potential risks posed to both human health and the environment.

The individual CoPCs have been selected based upon the know use of the Site as a petroleum storage and dispensing facility and include Total Recoverable Hydrocarbons (TRH), BTEX compounds, Polynuclear Aromatic Hydrocarbons (PAHs) and selected heavy metals. The nominated ILs are listed below and are presented with the analytical data in Table 1.

- ACT Government, Environment Protection Contaminated Sites Information Sheet 4: Requirements for the reuse and disposal of contaminated soil in the ACT, Table 1 – Reuse Criteria (Nov 2018);
- National Environment Protection Council, National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended May 2013): Schedule B(1) – Guideline on Investigation Levels for Soil and Groundwater, Table 1A(1) – Health Investigation Levels for soil contaminants, 'HIL Commercial/ industrial D'; and
- National Environment Protection Council, National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended May 2013): Schedule B(1) – Guideline on Investigation Levels for Soil and Groundwater, Table 1A(3) – Soil Health Screening Levels for vapour intrusion, 'HSL D Commercial/industrial' Clay soils (0 to <1m bgs).

Table 1: Nominated Assessment Criteria

Analyte	Assessment Criteria			Nominated Criteria
	ACTEPA Info Sheet 4: Table 1 – Reuse Criteria	ASC NEPM (2013) HIL - D 'Commercial/ industrial'	ASC NEPM (2013) HSL - D 'Commercial/ industrial'	
BTEXN				
Benzene	1	-	4	1
Toluene	1	-	NL	1
Ethylbenzene	3	-	NL	3
Xylene (total)	14	-	NL	14
Naphthalene	-	-	NL	370*
TRH				
F1 TRH C6-C10 (less BTEX)	45	-	310	45
F2 TRH >C10-C16 (less naphthalene)	110	-	NL	110
TPH				
TPH C6-C9	65	-	-	65
TPH C10-C36	1000	-	-	1000
PAHs				
Benzo(a)pyrene (TEQ)	-	40	-	40
Benzo(a)pyrene	-	-	-	-
Total PAH	20	4,000	-	20
Metals				
Arsenic	20	3,000	-	20
Cadmium	3	900	-	3
Chromium (total)	50	-	-	50
Chromium (VI)	1	3,600	-	1
Copper	100	240,000	-	100

Lead	100	1,500	-	100
Nickel	60	6,000	-	60
Zinc	200	400,000	-	200
Mercury	1	730	-	1

* naphthalene value taken from National Environment Protection Council, National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended May 2013): Schedule B(1) – Generic EILs for aged As, fresh DDT and fresh naphthalene in soils irrespective of their physiochemical properties, Table 1B(6) – Ecological Investigation Levels, 'Commercial and industrial'

7. INVESTIGATION METHODOLOGY

All fieldwork was undertaken by an experienced environmental scientist in accordance with the following guidelines:

- NSW Office of Environment and Heritage, Contaminated Sites: Guidelines for Consultants Reporting on Contaminated Sites (2011);
- ACT Government Environment Protection Contaminated Sites Information Sheet 4: Requirements for the Reuse and Disposal of Contaminated Soil in the ACT (November 2018);
- Victoria EPA, Industrial Waste Resource Guidelines IWRG 702 – Soil Sampling (June 2009); and
- Australian Standard AS4482.1-2005 Guide to the investigation and sampling of sites with potentially contaminated soil - Non-volatile and semi-volatile compounds.

All samples were screened in the field with a Photo-ionisation Detector (PID) for the presence of Volatile Organic Compounds (VOCs). PID screening results were used as an indicator of potential contamination. The PID was calibrated in accordance with the manufacturer's specifications to an isobutylene gas standard in the laboratory and prior to the start of each day's work. Refer to Appendix C for PID calibration and equipment certificates.

During the stockpile sampling works all samples were collected from a minimum of 0.5m and up to 1.0m below the surface of the stockpile using a shovel that was decontaminated following the collection of each individual sample by rinsing in tap water, then washing in a solution of laboratory-grade detergent and clean tap water, followed by rinsing with demineralised water.

Samples were placed in laboratory prepared sample containers and labelled with unique sample identification. Immediately after their collection samples were placed in eskies with ice and transported to a NATA accredited laboratory for analysis. Chain of Custody (COC) documentation was completed at the time of sample collection and accompanied the samples to the laboratory.

The classification of soil samples was in accordance with the soil descriptions outlined in the USCS (Unified Soil Classification System) with descriptions of and changes in lithology, the occurrence of groundwater and the identification of contaminated zones recorded on fieldwork record sheets.

For Quality Assurance (QA) purposes QC duplicate soil samples were collected and analysed at a rate of 1 in 10 primary samples as per *AS4482.1-2005*. Field QA/QC procedures comprised the collection of the following samples:

- field duplicate (intra laboratory sample); and
- daily field rinsate (one collected following each days sampling).

A duplicate sample is a sample collected at the same place and time as the primary sample and is intended to represent the same entity as closely as possible.

A rinsate sample is a sample collected to assess the effectiveness of the equipment decontamination procedures. A rinsate sample is taken at a rate of one per sampling session and analysed for the same analytes as the routine samples.

7.1 Field Work

A visual inspection of the stockpile was undertaken by Northwood Environmental on 22 November 2018 following the completion of the excavation works. The following observations were noted during the stockpile inspection and sample collection works:

- the stockpile was comprised of approximately 125m³ of a moist, brown, sandy Clay soil, with medium plasticity and coarse grained sands; and
- no visual or olfactory of hydrocarbon impact were detected across the surface of the stockpile or at any of the sample collection points that extended to a maximum depth of 1.0m below the surface of the stockpile (SP/01 – SP/02);

The sample location points are presented in *Figure 3 of Appendix B*.

8. LABORATORY ANALYTICAL RESULTS

The following presents a summary of the laboratory analytical results for the stockpile samples submitted for analysis with the laboratory analytical results tables included in Appendix A, the sample location points and analytical results shown in Figure 3 of Appendix B and the laboratory analytical reports contained in Appendix D.

- six primary soil samples (SP/01 – SP/06) and a duplicate sample (QC/01 – Duplicate of SP/03) were collected from the stockpile and submitted for analysis for TRH and BTEX compounds with all samples returning concentrations below the nominated ILs established for the BRU assessment and below the laboratories LOR;
- six primary soil samples (SP/01 – SP/06) and a duplicate sample (QC/01 – Duplicate of SP/03) were collected from the stockpile and submitted for analysis for PAHs with all samples returning concentrations below the nominated ILs established for the BRU assessment and below the laboratories LOR; and
- six primary soil samples (SP/01 – SP/06) and a duplicate sample (QC/01 – Duplicate of SP/03) were collected from the stockpile and submitted for analysis for heavy metals with all samples returning concentrations below the nominated ILs established for the BRU assessment.

9. QUALITY ASSURANCE AND QUALITY CONTROL

Laboratory QC data are presented in the certified laboratory report included in Appendix D. Analytical QC results are summarised below:

- all soil samples were submitted to a NATA accredited laboratory within the required holding time;
- target analytes were not detected in the analysis blanks;
- the RPDs for TRH, BTEX compounds were acceptable;
- percentage recovery results were acceptable for all matrix spikes;
- percentage recovery results were acceptable for all laboratory control samples and surrogates for all TRH, BTEX compounds and heavy metal analytes; and
- laboratory internal standards, calibration blanks and mid-range calibration verifications were acceptable.

In summary, Northwood Environmental considers that the laboratory QC results are acceptable for the purposes of this investigation.

10. CONCLUSIONS AND RECOMMENDATIONS

Based on field observations made during the Site visit undertaken on 22 November 2018 and a review of the laboratory analytical results Northwood Environmental concludes the following:

- the stockpiled soil was comprised of approximately 125m³ of a sandy Clay soil excavated from an area adjacent to the north Site boundary;
- a review of the 'Australian Soil Resource Information System' national Acid Sulphate Soil Atlas indicated that the Site was located in an area with an 'Extremely Low Probability' of containing acid sulphate soils;
- laboratory analytical results indicate that all samples collected from the stockpiled soil returned concentrations of all selected analytes below the reuse criteria detailed in Table 1 of the *ACT Government, Environment Protection Contaminated Sites Information Sheet 4: Requirements for the Reuse and Disposal of Contaminated Soil in the ACT*; and
- laboratory analytical results indicate that the stockpiled soil returned concentrations of all selected analytes below the *National (Assessment of Site Contamination) Environment Protection Measure 1999 (as amended 2013)* guideline criteria established for both commercial/ industrial and residential land use areas.

Based upon the aforementioned conclusions Northwood Environmental considers that the stockpiled soil is suitable for beneficial offsite reuse at the former 'Pialligo Sandstone Quarry' site, located off Pialligo Avenue (Block 1 Section 26, Block 1 Section 25, Block 1 Section 24, Block 1 Section 23 and Part Block 4 Section 18 within the Division of Pialligo and the District of Majura).

A letter of acceptance from the 'Pialligo Sandstone Quarry' owner is contained in Appendix E.

ACT EPA endorsement of the classification of the stockpiled soil as suitable for offsite disposal as BRU material will be required prior to the removal of any soil from the Calwell Service Station Site.

Should you have any queries with regard to this matter please do not hesitate to contact the undersigned.

Yours sincerely,

Sch 2.2(a)(ii)

Peter Paterson
Hydrogeologist/ Geologist
Snr Contaminated Land Consultant

Appendix A

ANALYTICAL RESULTS TABLE

**TABLE 1
SOIL ANALYTICAL RESULTS
TPH/TRH/HEAVY METALS and PAHs
CALWELL CALTEX SERVICE STATION, 1 WEBBER CRESCENT CALWELL ACT 2905
(November 2018)**

(all results in mg/kg unless otherwise noted)

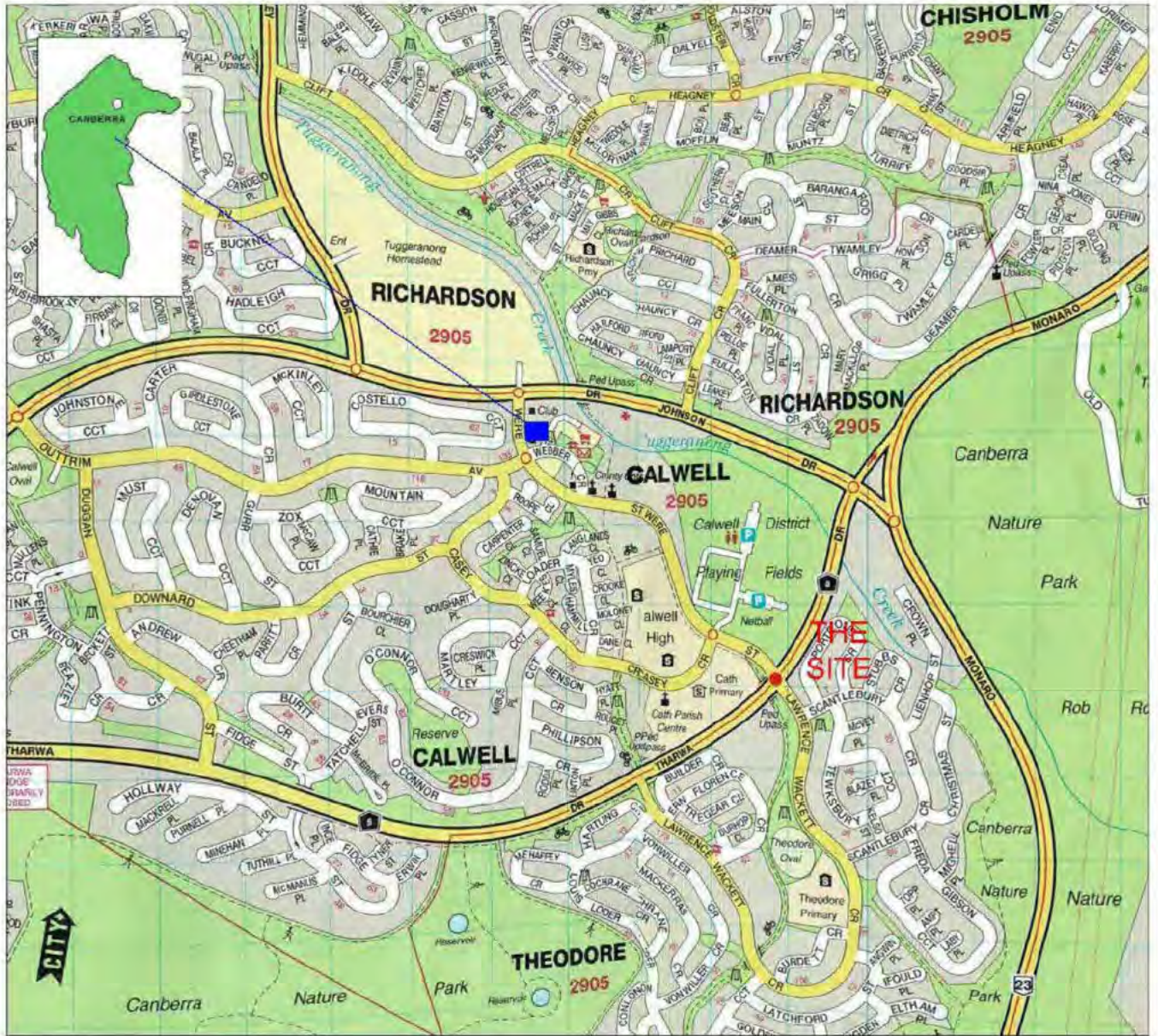
				Lab ID	SE186584.001	SE186584.002	SE186584.003	QC/01		SE186584.004	SE186584.005	SE186584.006	SE186584.008					
Analyte Group	Analyte	Unit	LOR	ACT EPA Info Sheet 4: Table 1 - Reuse Criteria	NEPM (2013): Table 1A(1) HIL-D	NEPM (2013): Table 1A(3) HSL-D	NEPM (2013): Table 1B(6) ESLs	NEPM (2013): Table 1B(7) MLs	Nominated ILs		Duplicate of SP/03	RPD %		Rinsate (ug/l)				
TPH	TPH C6-C9	mg/kg	20	65					65	<20	<20	<20	<20	N.A.				
	TPH C10-C36		110	1,000					1,000	<110	<110	<110	<110	<110	N.A.			
TRH	C6-C10 less BTEX (F1)	25				310	215	800	260	<25	<25	<25	<25	<25	N.A.			
	TRH >C10-C16	25				NL	170	1,000	-	<25	<25	<25	<25	<25	N.A.			
	TRH >C10-C16 Less Naphthalene (F2)	25				NL	170	1,000	170	<25	<25	<25	<25	<25	N.A.			
	TRH >C16-C34	90					2,500	5,000	1,700	<90	<90	<90	<90	<90	N.A.			
BTEX	TRH >C34-C40	120					6,600	10,000	3,300	<120	<120	<120	<120	<120	N.A.			
	Benzene	0.1	1			4	95		1	<0.1	<0.1	<0.1	<0.1	<0.1	N.A.			
	Toluene	0.1	1			NL	135		1	<0.1	<0.1	<0.1	<0.1	<0.1	N.A.			
	Ethylbenzene	0.1	3			NL	185		3	<0.1	<0.1	<0.1	<0.1	<0.1	N.A.			
	Xylene (m & p)	0.2							-	<0.2	<0.2	<0.2	<0.2	<0.2	N.A.			
	Xylene (o)	0.1							-	<0.1	<0.1	<0.1	<0.1	<0.1	N.A.			
	Naphthalene	0.1				NL	370 (EILs)		370	<0.1	<0.1	<0.1	<0.1	<0.1	N.A.			
	Xylene Total	0.3	14			NL	95		14	<0.3	<0.3	<0.3	<0.3	<0.3	N.A.			
Total BTEX	0.6							-	<0.6	<0.6	<0.6	<0.6	<0.6	N.A.				
Lead	Lead	1	100	1,500					100	40	18	23	31	-30%	17	65	25	N.A.
Metals	Arsenic	1	20	3,000					20	2	2	1	2	-67%	1	1	2	N.A.
	Cadmium	0.3	3	900					3	0.3	<0.3	<0.3	<0.3	-	<0.3	<0.3	<0.3	N.A.
	Chromium (III+VI)	0.3	50						50	12	8.1	17	13	27%	13	9.6	12	N.A.
	Copper	0.5	100	240,000					100	13	11	8.4	9.2	-9%	10	19	12	N.A.
	Mercury	0.05	1	730					1	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	N.A.
	Nickel	0.5	60	6,000					60	3.4	3.5	3.9	5.3	-30%	3.8	5.0	3.8	N.A.
	Zinc	2	200	400,000					200	13	14	10	10	0%	12	12	12	N.A.
PAHs	Hexavalent Chromium (VI)	0.5	1	3,600					1	0.6	0.6	0.7	0.7	0%	0.6	0.7	0.6	N.A.
	Naphthalene	0.5							-	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	N.A.
	2-methylnaphthalene	0.5							-	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	N.A.
	1-methylnaphthalene	0.5							-	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	N.A.
	Acenaphthylene	0.5							-	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	N.A.
	Acenaphthene	0.5							-	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	N.A.
	Fluorene	0.5							-	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	N.A.
	Phenanthrene	0.5							-	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	N.A.
	Anthracene	0.5							-	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	N.A.
	Fluoranthene	0.5							-	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	N.A.
	Pyrene	0.5							-	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	N.A.
	Benzo(a)anthracene	0.5							-	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	N.A.
	Chrysene	0.5							-	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	N.A.
	Benzo(b&j)fluoranthene	0.5							-	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	N.A.
	Benzo(k)fluoranthene	0.5							-	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	N.A.
	Benzo(a)pyrene	0.5	0.08	40			1.4		0.08	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	N.A.
	Indeno(1,2,3-cd)pyrene	0.5							-	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	N.A.
	Dibenzo(ah)anthracene	0.5							-	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	N.A.
	Benzo(ghi)perylene	0.5							-	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	N.A.
	Carcinogenic PAHs, BaP TEQ <LOR=0	0.5							-	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	N.A.
Carcinogenic PAHs, BaP TEQ <LOR=LOR	0.5							-	<0.3	<0.3	<0.3	<0.3	-	<0.3	<0.3	<0.3	N.A.	
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2	0.5							-	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	N.A.	
Total PAH (18)	0.5	20	4,000						20	<0.8	<0.8	<0.8	<0.8	-	<0.8	<0.8	<0.8	N.A.

Notes:
 SP = Stockpile Sample; QC = Quality Control; QCR = Quality Control Rinsate Sample
 LOR = Limit of Reporting (= Method Detection Limit)
 NL = Not Limiting
 Lab Method - AN420 Speciated Phenols in Soil

Nominated Investigation Levels:
 National Environment Protection Council, National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended May 2013) Schedule B1 - Guideline on Investigation Levels for Soil and Groundwater, Tables 1A(1), 1A(3), 1B(6), 1B(7) Commercial/ industrial land use areas with coarse grained soils
 ACT Government Environment Protection Contaminated Sites Information Sheet 4: Requirements for the Reuse and Disposal of Contaminated Soil in the ACT (November 2018)

Appendix B

FIGURES



SOURCE: UBD 2011 Street Directory Edition 15
 Canberra Queanbeyan, Goulburn, Cooma
 Yass, Batemans Bay
 Maps 98 and 99
 Universal Publishers Pty Ltd

DRAWING TITLE.		PROJECT.			
SITE LOCATION PLAN		CALWELL CALTEX BENEFICIAL REUSE ASSESSMENT			
		LOCATION. CALWELL CALTEX SERVICE STATION 1 WEBBER CRESCENT, CALWELL ACT 2905			
DRAWN	P.P.	SIZE	DATE.	CLIENT.	REV
FIGURE NO.	1		02/12/18	IRWIN & HARTSHORN TRANSPORT PTY LTD	
SCALE			CHECKED.		

SLOPE ACROSS SITE



WERE STREET

WE

CALWELL CLUB

Garage/Workshop

Service Station

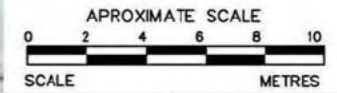
CALWELL
SHOPPING CENTRE

WEBBER CRESCENT

LEGEND



— SITE BOUNDARY



Northwood Environmental
 Mb: 0429 945 771
 22 Christopher Crescent
 Balahaven NSW 2538
 ABN: 14 489 200 657

Client:
 IRWIN & HARTSHORN
 TRANSPORT PTY LTD

Project:
 Calwell Caltex – Stockpile
 Beneficial Reuse Assessment

Location:
 Calwell Caltex Service Station
 1 Webber Cr, Calwell ACT 2905

Drawing Title:
 SITE INFRASTRUCTURE
 LOCATION PLAN
 (November 2018)

Drawn P.P.	Signed	Date 30/11/18
---------------	--------	------------------

Checked	Signed	Date
---------	--------	------

RevDate	Revision Details	Drm
02.12.18		P.P.

Project - Drawing No. P018023	Figure No. 2	Rev. A
----------------------------------	-----------------	-----------

Arsenic	Cadmium	Chromium	Copper	Lead
1	<lor	9.6	19	65
Mercury	Nickel	Zinc	Hexavalent Cr	PAHs
<lor	5	12	0.7	<lor

Arsenic	Cadmium	Chromium	Copper	Lead
1	<lor	17	8.4	23
Mercury	Nickel	Zinc	Hexavalent Cr	PAHs
<lor	3.9	10	0.7	<lor

Arsenic	Cadmium	Chromium	Copper	Lead
2	0.3	12	13	40
Mercury	Nickel	Zinc	Hexavalent Cr	PAHs
<lor	3.4	13	0.6	<lor

Arsenic	Cadmium	Chromium	Copper	Lead
2	<lor	12	12	25
Mercury	Nickel	Zinc	Hexavalent Cr	PAHs
<lor	3.8	12	0.6	<lor

Arsenic	Cadmium	Chromium	Copper	Lead
1	<lor	13	10	17
Mercury	Nickel	Zinc	Hexavalent Cr	PAHs
<lor	3.8	12	0.6	<lor

Arsenic	Cadmium	Chromium	Copper	Lead
2	<lor	8.1	11	18
Mercury	Nickel	Zinc	Hexavalent Cr	PAHs
<lor	3.5	14	0.6	<lor

Stockpile Dimensions = 10m x 6m x 2.0m
 Stockpile Volume = approx 125m³

All samples returned concentrations of TRH, BTEX compounds and PAHs below the laboratories Limit of Reporting.
 All samples returned concentrations of heavy metals below the ACT EPA Information Sheet 4: Requirements for the Reuse and Disposal of Contaminated Soil in the ACT (Nov 2018) Table 1 – Reuse Criteria, and below the National (ASC) Environment Protection Measure (as amended 2013) levels established for both commercial/industrial and low density residential (with garden accessible soils) land use areas.



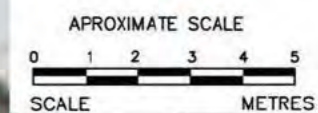
LEGEND

- SITE BOUNDARY
- STOCKPILE AREA
- + SAMPLE LOCATION POINT



TRH C6-C10	TRH C10-C15	TRH C15-C24	TRH C24-C40	TRH C10-C40
<lor	<lor	<lor	<lor	<lor
Benzene	Toluene	Ethylbenzene	Xylenes	PAHs
<lor	<lor	<lor	<lor	<lor

Table of analytical results showing selected analyte's and the corresponding concentrations (in ug/l). Non highlighted cells indicate concentrations below the nominated RACs established for the Site. Concentrations exceeding the nominated RACs are highlighted in **RED**.



Northwood Environmental
 Mb: 0429 945 771
 22 Christopher Crescent
 Batemans Bay NSW 2536
 ABN: 14 489 200 657

Client:
**IRWIN & HARTSHORN
 TRANSPORT PTY LTD**

Project:
 Calwell Caltex – Stockpile
 Beneficial Reuse Assessment

Location:
 Calwell Caltex Service Station
 1 Webber Cr, Calwell ACT 2905

Drawing Title:
**STOCKPILE SOIL
 ANALYTICAL RESULTS PLAN
 (November 2018)**

Drawn P.P.	Signed	Date 30/11/18
Checked	Signed	Date
RevDate 02.12.18	Revision Details	Drm P.P.
Project - Drawing No. P018023	Figure No. 3	Rev. A

Appendix C

CALIBRATION CERTIFICATES



Air-Met Scientific P/L
 7-11 Ceylon Street
 Nunawading
 Victoria 3131, Australia

Calibration Certificate

This document hereby certifies that this instrument detailed has been calibrated to the parameters listed below.

Certificate Print Date: 6 March, 2018

Call ID: 00215620

Calibration Date: 6 March, 2018

Job / SO Number: 229189

Next Calibration Due: 6 September, 2018

Customer: Northwood Environmental	Type: Port Gas Det
Model: PID	Serial No: T-110096
Description: Phocheck Tiger	

Sensor	Date Code	Gas Bottle No.	Calibration Gas and Concentration	C.F	C.V Certified	Instrument Readings	
						Before / Span Res.	After
PID	//	SY137	ISOBUTYLENE 100PPM, O2 20.9%, BAL N2		NATA	122.3PPM	98.4PPM
PID	//	SY98	ISOBUTYLENE 1000PPM. BAL AIR		NIST		1008PPM
	//						
	//						
	//						
	//						

Completed by: Andre Van Niekerk	Signed: Sch 2.2(a)(ii)
--	-------------------------------

Australian Standard Alarm Levels

CF - Conversion Factor, CV Compensated Value
 CV = CF * Span Gas



Northwood Environmental
PID Calibration Certificate

Project Name : Project Staff :
Project No : Date :

Photo-ionisation Detector

Make/Model No:
Serial Number:

Calibration Gas

Calibration Gas:

PID Calibration

Zero Calibration

PID Reading:

Span Calibration

Desired PID Reading:
Actual PID Reading:

Certification

The above detector has been calibrated in accordance with the manufacturers specifications.

Checked By:

Sch 2.2(a)(ii)

Signature:	<input type="text"/>	Date:	<input type="text" value="22/11/18"/>
------------	----------------------	-------	---------------------------------------

Appendix D

LABORATORY ANALYTICAL REPORT

CLIENT DETAILS

Contact **PETER PATERSON**
 Client **NORTHWOOD ENVIRONMENTAL**
 Address **UNIT 1
 772 PACIFIC HIGHWAY
 CHATSWOOD NSW 2067**

Telephone **(Not specified)**
 Facsimile **(Not specified)**
 Email **peter@northwoodenvironmental.com.au**

Project **Caltex Calwell WCLR**
 Order Number **(Not specified)**
 Samples **8**

LABORATORY DETAILS

Manager **Huong Crawford**
 Laboratory **SGS Alexandria Environmental**
 Address **Unit 16, 33 Maddox St
 Alexandria NSW 2015**

Telephone **+61 2 8594 0400**
 Facsimile **+61 2 8594 0499**
 Email **au.environmental.sydney@sgs.com**

SGS Reference **SE186584 R0**
 Date Received **23 Nov 2018**
 Date Reported **30 Nov 2018**

COMMENTS

Accredited for compliance with ISO/IEC 17025 - Testing. NATA accredited laboratory 2562(4354).

SIGNATORIES

Sch 2.2(a)(ii)

Akheeqar Beniameen
 Chemist

Dong Liang
 Metals/Inorganics Team Leader

Kamrul Ahsan
 Senior Chemist

Sch 2.2(a)(ii)

Ly Kim Ha
 Organic Section Head

Teresa Nguyen
 Organic Chemist

Parameter	Units	LOR	SE186584.001	SE186584.002	SE186584.003	SE186584.004
Sample Number			SE186584.001	SE186584.002	SE186584.003	SE186584.004
Sample Matrix			Soil	Soil	Soil	Soil
Sample Date			22 Nov 2018	22 Nov 2018	22 Nov 2018	22 Nov 2018
Sample Name			SP/01	SP/02	SP/03	SP/04

VOC's in Soil Method: AN433 Tested: 28/11/2018

Monocyclic Aromatic Hydrocarbons

Benzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Toluene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1

Polycyclic VOCs

Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
-------------	-------	-----	------	------	------	------

Surrogates

Dibromofluoromethane (Surrogate)	%	-	113	92	104	92
d4-1,2-dichloroethane (Surrogate)	%	-	125	117	109	118
d8-toluene (Surrogate)	%	-	79	72	80	72
Bromofluorobenzene (Surrogate)	%	-	77	70	75	78

Totals

Total Xylenes	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX	mg/kg	0.6	<0.6	<0.6	<0.6	<0.6

Volatile Petroleum Hydrocarbons in Soil Method: AN433 Tested: 28/11/2018

TRH C6-C10	mg/kg	25	<25	<25	<25	<25
TRH C6-C9	mg/kg	20	<20	<20	<20	<20

Surrogates

Dibromofluoromethane (Surrogate)	%	-	113	92	104	92
d4-1,2-dichloroethane (Surrogate)	%	-	125	117	109	118
d8-toluene (Surrogate)	%	-	79	72	80	72
Bromofluorobenzene (Surrogate)	%	-	77	70	75	78

VPH F Bands

Benzene (F0)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	<25	<25

Parameter	Units	LOR	SE186584.001	SE186584.002	SE186584.003	SE186584.004
Sample Number			SE186584.001	SE186584.002	SE186584.003	SE186584.004
Sample Matrix			Soil	Soil	Soil	Soil
Sample Date			22 Nov 2018	22 Nov 2018	22 Nov 2018	22 Nov 2018
Sample Name			SP/01	SP/02	SP/03	SP/04

TRH (Total Recoverable Hydrocarbons) in Soil Method: AN403 Tested: 28/11/2018

Parameter	Units	LOR	SE186584.001	SE186584.002	SE186584.003	SE186584.004
TRH C10-C14	mg/kg	20	<20	<20	<20	<20
TRH C15-C28	mg/kg	45	<45	<45	<45	<45
TRH C29-C36	mg/kg	45	<45	<45	<45	<45
TRH C37-C40	mg/kg	100	<100	<100	<100	<100
TRH C10-C36 Total	mg/kg	110	<110	<110	<110	<110
TRH C10-C40 Total (F bands)	mg/kg	210	<210	<210	<210	<210

TRH F Bands

Parameter	Units	LOR	SE186584.001	SE186584.002	SE186584.003	SE186584.004
TRH >C10-C16	mg/kg	25	<25	<25	<25	<25
TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	<25	<25	<25
TRH >C16-C34 (F3)	mg/kg	90	<90	<90	<90	<90
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	<120

PAH (Polynuclear Aromatic Hydrocarbons) in Soil Method: AN420 Tested: 28/11/2018

Parameter	Units	LOR	SE186584.001	SE186584.002	SE186584.003	SE186584.004
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Benzo(ghi)perylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Carcinogenic PAHs, BaP TEQ <LOR=0	TEQ (mg/kg)	0.2	<0.2	<0.2	<0.2	<0.2
Carcinogenic PAHs, BaP TEQ <LOR=LOR	TEQ (mg/kg)	0.3	<0.3	<0.3	<0.3	<0.3
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2	TEQ (mg/kg)	0.2	<0.2	<0.2	<0.2	<0.2
Total PAH (18)	mg/kg	0.8	<0.8	<0.8	<0.8	<0.8
Total PAH (NEPM/WHO 16)	mg/kg	0.8	<0.8	<0.8	<0.8	<0.8

Surrogates

Parameter	Units	LOR	SE186584.001	SE186584.002	SE186584.003	SE186584.004
d5-nitrobenzene (Surrogate)	%	-	90	92	92	88
2-fluorobiphenyl (Surrogate)	%	-	104	104	102	102
d14-p-terphenyl (Surrogate)	%	-	108	106	108	106

Hexavalent Chromium in Soil UV/Vis Method: AN075/AN201 Tested: 29/11/2018

Parameter	Units	LOR	SE186584.001	SE186584.002	SE186584.003	SE186584.004
Hexavalent Chromium, Cr6+	mg/kg	0.5	0.6	0.6	0.7	0.6

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES Method: AN040/AN320 Tested: 28/11/2018

Parameter	Units	LOR	SE186584.001	SE186584.002	SE186584.003	SE186584.004
Arsenic, As	mg/kg	1	2	2	1	1
Cadmium, Cd	mg/kg	0.3	0.3	<0.3	<0.3	<0.3
Chromium, Cr	mg/kg	0.3	12	8.1	17	13
Copper, Cu	mg/kg	0.5	13	11	8.4	10
Nickel, Ni	mg/kg	0.5	3.4	3.5	3.9	3.8
Lead, Pb	mg/kg	1	40	18	23	17
Zinc, Zn	mg/kg	2	13	14	10	12

Parameter	Units	LOR	SE186584.001	SE186584.002	SE186584.003	SE186584.004
Sample Number			SE186584.001	SE186584.002	SE186584.003	SE186584.004
Sample Matrix			Soil	Soil	Soil	Soil
Sample Date			22 Nov 2018	22 Nov 2018	22 Nov 2018	22 Nov 2018
Sample Name			SP/01	SP/02	SP/03	SP/04

Mercury in Soil Method: AN312 Tested: 28/11/2018

Parameter	Units	LOR	SE186584.001	SE186584.002	SE186584.003	SE186584.004
Mercury	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05

Moisture Content Method: AN002 Tested: 28/11/2018

Parameter	Units	LOR	SE186584.001	SE186584.002	SE186584.003	SE186584.004
% Moisture	%ww	0.5	14	15	11	14

VOCs in Water Method: AN433 Tested: 28/11/2018

Monocyclic Aromatic Hydrocarbons

Parameter	Units	LOR	SE186584.001	SE186584.002	SE186584.003	SE186584.004
Benzene	µg/L	0.5	-	-	-	-
Toluene	µg/L	0.5	-	-	-	-
Ethylbenzene	µg/L	0.5	-	-	-	-
m/p-xylene	µg/L	1	-	-	-	-
o-xylene	µg/L	0.5	-	-	-	-

Polycyclic VOCs

Parameter	Units	LOR	SE186584.001	SE186584.002	SE186584.003	SE186584.004
Naphthalene	µg/L	0.5	-	-	-	-

Surrogates

Parameter	Units	LOR	SE186584.001	SE186584.002	SE186584.003	SE186584.004
Dibromofluoromethane (Surrogate)	%	-	-	-	-	-
d4-1,2-dichloroethane (Surrogate)	%	-	-	-	-	-
d8-toluene (Surrogate)	%	-	-	-	-	-
Bromofluorobenzene (Surrogate)	%	-	-	-	-	-

Totals

Parameter	Units	LOR	SE186584.001	SE186584.002	SE186584.003	SE186584.004
Total Xylenes	µg/L	1.5	-	-	-	-
Total BTEX	µg/L	3	-	-	-	-

Parameter	Units	LOR	SE186584.001	SE186584.002	SE186584.003	SE186584.004
Sample Number			SE186584.001	SE186584.002	SE186584.003	SE186584.004
Sample Matrix			Soil	Soil	Soil	Soil
Sample Date			22 Nov 2018	22 Nov 2018	22 Nov 2018	22 Nov 2018
Sample Name			SP/01	SP/02	SP/03	SP/04

Volatile Petroleum Hydrocarbons in Water Method: AN433 Tested: 28/11/2018

TRH C6-C10	µg/L	50	-	-	-	-
TRH C6-C9	µg/L	40	-	-	-	-

Surrogates

Dibromofluoromethane (Surrogate)	%	-	-	-	-	-
d4-1,2-dichloroethane (Surrogate)	%	-	-	-	-	-
d8-toluene (Surrogate)	%	-	-	-	-	-
Bromofluorobenzene (Surrogate)	%	-	-	-	-	-

VPH F Bands

Benzene (F0)	µg/L	0.5	-	-	-	-
TRH C6-C10 minus BTEX (F1)	µg/L	50	-	-	-	-

TRH (Total Recoverable Hydrocarbons) in Water Method: AN403 Tested: 28/11/2018

TRH C10-C14	µg/L	50	-	-	-	-
TRH C15-C28	µg/L	200	-	-	-	-
TRH C29-C36	µg/L	200	-	-	-	-
TRH C37-C40	µg/L	200	-	-	-	-
TRH C10-C36	µg/L	450	-	-	-	-
TRH C10-C40	µg/L	650	-	-	-	-

TRH F Bands

TRH >C10-C16	µg/L	60	-	-	-	-
TRH >C10-C16 - Naphthalene (F2)	µg/L	60	-	-	-	-
TRH >C16-C34 (F3)	µg/L	500	-	-	-	-
TRH >C34-C40 (F4)	µg/L	500	-	-	-	-

PAH (Polynuclear Aromatic Hydrocarbons) in Water Method: AN420 Tested: 28/11/2018

Naphthalene	µg/L	0.1	-	-	-	-
2-methylnaphthalene	µg/L	0.1	-	-	-	-
1-methylnaphthalene	µg/L	0.1	-	-	-	-
Acenaphthylene	µg/L	0.1	-	-	-	-
Acenaphthene	µg/L	0.1	-	-	-	-
Fluorene	µg/L	0.1	-	-	-	-
Phenanthrene	µg/L	0.1	-	-	-	-
Anthracene	µg/L	0.1	-	-	-	-
Fluoranthene	µg/L	0.1	-	-	-	-
Pyrene	µg/L	0.1	-	-	-	-
Benzo(a)anthracene	µg/L	0.1	-	-	-	-
Chrysene	µg/L	0.1	-	-	-	-
Benzo(b&j)fluoranthene	µg/L	0.1	-	-	-	-
Benzo(k)fluoranthene	µg/L	0.1	-	-	-	-
Benzo(a)pyrene	µg/L	0.1	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	0.1	-	-	-	-
Dibenzo(ah)anthracene	µg/L	0.1	-	-	-	-
Benzo(ghi)perylene	µg/L	0.1	-	-	-	-
Total PAH (18)	µg/L	1	-	-	-	-

Parameter	Units	LOR	SE186584.001	SE186584.002	SE186584.003	SE186584.004
Sample Number			SE186584.001	SE186584.002	SE186584.003	SE186584.004
Sample Matrix			Soil	Soil	Soil	Soil
Sample Date			22 Nov 2018	22 Nov 2018	22 Nov 2018	22 Nov 2018
Sample Name			SP/01	SP/02	SP/03	SP/04

PAH (Polynuclear Aromatic Hydrocarbons) in Water Method: AN420 Tested: 28/11/2018 (continued)

Surrogates

Parameter	Units	LOR	SE186584.001	SE186584.002	SE186584.003	SE186584.004
d5-nitrobenzene (Surrogate)	%	-	-	-	-	-
2-fluorobiphenyl (Surrogate)	%	-	-	-	-	-
d14-p-terphenyl (Surrogate)	%	-	-	-	-	-

Trace Metals (Dissolved) in Water by ICPMS Method: AN318 Tested: 26/11/2018

Parameter	Units	LOR	SE186584.001	SE186584.002	SE186584.003	SE186584.004
Arsenic, As	µg/L	1	-	-	-	-
Cadmium, Cd	µg/L	0.1	-	-	-	-
Chromium, Cr	µg/L	1	-	-	-	-
Copper, Cu	µg/L	1	-	-	-	-
Lead, Pb	µg/L	1	-	-	-	-
Nickel, Ni	µg/L	1	-	-	-	-
Zinc, Zn	µg/L	5	-	-	-	-

Mercury (dissolved) in Water Method: AN311(Perth)/AN312 Tested: 26/11/2018

Parameter	Units	LOR	SE186584.001	SE186584.002	SE186584.003	SE186584.004
Mercury	mg/L	0.0001	-	-	-	-

Parameter	Units	LOR	SE186584.005	SE186584.006	SE186584.007	SE186584.008
Sample Number			SE186584.005	SE186584.006	SE186584.007	SE186584.008
Sample Matrix			Soil	Soil	Soil	Water
Sample Date			22 Nov 2018	22 Nov 2018	22 Nov 2018	22 Nov 2018
Sample Name			SP/05	SP/06	QC/01	QCR01

VOC's in Soil Method: AN433 Tested: 28/11/2018

Monocyclic Aromatic Hydrocarbons

Benzene	mg/kg	0.1	<0.1	<0.1	<0.1	-
Toluene	mg/kg	0.1	<0.1	<0.1	<0.1	-
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	<0.1	-
m/p-xylene	mg/kg	0.2	<0.2	<0.2	<0.2	-
o-xylene	mg/kg	0.1	<0.1	<0.1	<0.1	-

Polycyclic VOCs

Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	-
-------------	-------	-----	------	------	------	---

Surrogates

Dibromofluoromethane (Surrogate)	%	-	93	76	86	-
d4-1,2-dichloroethane (Surrogate)	%	-	121	99	112	-
d8-toluene (Surrogate)	%	-	79	91	80	-
Bromofluorobenzene (Surrogate)	%	-	78	73	76	-

Totals

Total Xylenes	mg/kg	0.3	<0.3	<0.3	<0.3	-
Total BTEX	mg/kg	0.6	<0.6	<0.6	<0.6	-

Volatile Petroleum Hydrocarbons in Soil Method: AN433 Tested: 28/11/2018

TRH C6-C10	mg/kg	25	<25	<25	<25	-
TRH C6-C9	mg/kg	20	<20	<20	<20	-

Surrogates

Dibromofluoromethane (Surrogate)	%	-	93	76	86	-
d4-1,2-dichloroethane (Surrogate)	%	-	121	99	112	-
d8-toluene (Surrogate)	%	-	79	91	80	-
Bromofluorobenzene (Surrogate)	%	-	78	73	76	-

VPH F Bands

Benzene (F0)	mg/kg	0.1	<0.1	<0.1	<0.1	-
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	<25	-

Parameter	Units	LOR	SE186584.005	SE186584.006	SE186584.007	SE186584.008
Sample Number			SE186584.005	SE186584.006	SE186584.007	SE186584.008
Sample Matrix			Soil	Soil	Soil	Water
Sample Date			22 Nov 2018	22 Nov 2018	22 Nov 2018	22 Nov 2018
Sample Name			SP/05	SP/06	QC/01	QCR01

TRH (Total Recoverable Hydrocarbons) in Soil Method: AN403 Tested: 28/11/2018

Parameter	Units	LOR	SE186584.005	SE186584.006	SE186584.007	SE186584.008
TRH C10-C14	mg/kg	20	<20	<20	<20	-
TRH C15-C28	mg/kg	45	<45	<45	<45	-
TRH C29-C36	mg/kg	45	<45	<45	<45	-
TRH C37-C40	mg/kg	100	<100	<100	<100	-
TRH C10-C36 Total	mg/kg	110	<110	<110	<110	-
TRH C10-C40 Total (F bands)	mg/kg	210	<210	<210	<210	-

TRH F Bands

Parameter	Units	LOR	SE186584.005	SE186584.006	SE186584.007	SE186584.008
TRH >C10-C16	mg/kg	25	<25	<25	<25	-
TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	<25	<25	-
TRH >C16-C34 (F3)	mg/kg	90	<90	<90	<90	-
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	-

PAH (Polynuclear Aromatic Hydrocarbons) in Soil Method: AN420 Tested: 28/11/2018

Parameter	Units	LOR	SE186584.005	SE186584.006	SE186584.007	SE186584.008
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	-
2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	-
1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	-
Acenaphthylene	mg/kg	0.1	<0.1	<0.1	<0.1	-
Acenaphthene	mg/kg	0.1	<0.1	<0.1	<0.1	-
Fluorene	mg/kg	0.1	<0.1	<0.1	<0.1	-
Phenanthrene	mg/kg	0.1	<0.1	<0.1	<0.1	-
Anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	-
Fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	-
Pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	-
Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	-
Chrysene	mg/kg	0.1	<0.1	<0.1	<0.1	-
Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	-
Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1	<0.1	-
Benzo(a)pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.1	<0.1	-
Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	-
Benzo(ghi)perylene	mg/kg	0.1	<0.1	<0.1	<0.1	-
Carcinogenic PAHs, BaP TEQ <LOR=0	TEQ (mg/kg)	0.2	<0.2	<0.2	<0.2	-
Carcinogenic PAHs, BaP TEQ <LOR=LOR	TEQ (mg/kg)	0.3	<0.3	<0.3	<0.3	-
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2	TEQ (mg/kg)	0.2	<0.2	<0.2	<0.2	-
Total PAH (18)	mg/kg	0.8	<0.8	<0.8	<0.8	-
Total PAH (NEPM/WHO 16)	mg/kg	0.8	<0.8	<0.8	<0.8	-

Surrogates

Parameter	Units	LOR	SE186584.005	SE186584.006	SE186584.007	SE186584.008
d5-nitrobenzene (Surrogate)	%	-	92	94	94	-
2-fluorobiphenyl (Surrogate)	%	-	102	104	104	-
d14-p-terphenyl (Surrogate)	%	-	106	106	106	-

Hexavalent Chromium in Soil UV/Vis Method: AN075/AN201 Tested: 29/11/2018

Parameter	Units	LOR	SE186584.005	SE186584.006	SE186584.007	SE186584.008
Hexavalent Chromium, Cr6+	mg/kg	0.5	0.7	0.6	0.7	-

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES Method: AN040/AN320 Tested: 28/11/2018

Parameter	Units	LOR	SE186584.005	SE186584.006	SE186584.007	SE186584.008
Arsenic, As	mg/kg	1	1	2	2	-
Cadmium, Cd	mg/kg	0.3	<0.3	<0.3	<0.3	-
Chromium, Cr	mg/kg	0.3	9.6	12	13	-
Copper, Cu	mg/kg	0.5	19	12	9.2	-
Nickel, Ni	mg/kg	0.5	5.0	3.8	5.3	-
Lead, Pb	mg/kg	1	65	25	31	-
Zinc, Zn	mg/kg	2	12	12	10	-

Parameter	Units	LOR	SE186584.005	SE186584.006	SE186584.007	SE186584.008
Sample Number			SE186584.005	SE186584.006	SE186584.007	SE186584.008
Sample Matrix			Soil	Soil	Soil	Water
Sample Date			22 Nov 2018	22 Nov 2018	22 Nov 2018	22 Nov 2018
Sample Name			SP/05	SP/06	QC/01	QCR01

Mercury in Soil Method: AN312 Tested: 28/11/2018

Parameter	Units	LOR	SE186584.005	SE186584.006	SE186584.007	SE186584.008
Mercury	mg/kg	0.05	<0.05	<0.05	<0.05	-

Moisture Content Method: AN002 Tested: 28/11/2018

Parameter	Units	LOR	SE186584.005	SE186584.006	SE186584.007	SE186584.008
% Moisture	%ww	0.5	14	17	14	-

VOCs in Water Method: AN433 Tested: 28/11/2018

Monocyclic Aromatic Hydrocarbons

Parameter	Units	LOR	SE186584.005	SE186584.006	SE186584.007	SE186584.008
Benzene	µg/L	0.5	-	-	-	<0.5
Toluene	µg/L	0.5	-	-	-	<0.5
Ethylbenzene	µg/L	0.5	-	-	-	<0.5
m/p-xylene	µg/L	1	-	-	-	<1
o-xylene	µg/L	0.5	-	-	-	<0.5

Polycyclic VOCs

Parameter	Units	LOR	SE186584.005	SE186584.006	SE186584.007	SE186584.008
Naphthalene	µg/L	0.5	-	-	-	<0.5

Surrogates

Parameter	Units	LOR	SE186584.005	SE186584.006	SE186584.007	SE186584.008
Dibromofluoromethane (Surrogate)	%	-	-	-	-	114
d4-1,2-dichloroethane (Surrogate)	%	-	-	-	-	120
d8-toluene (Surrogate)	%	-	-	-	-	101
Bromofluorobenzene (Surrogate)	%	-	-	-	-	98

Totals

Parameter	Units	LOR	SE186584.005	SE186584.006	SE186584.007	SE186584.008
Total Xylenes	µg/L	1.5	-	-	-	<1.5
Total BTEX	µg/L	3	-	-	-	<3

Parameter	Units	LOR	SE186584.005	SE186584.006	SE186584.007	SE186584.008
Sample Number			SE186584.005	SE186584.006	SE186584.007	SE186584.008
Sample Matrix			Soil	Soil	Soil	Water
Sample Date			22 Nov 2018	22 Nov 2018	22 Nov 2018	22 Nov 2018
Sample Name			SP/05	SP/06	QC/01	QCR01

Volatile Petroleum Hydrocarbons in Water Method: AN433 Tested: 28/11/2018

TRH C6-C10	µg/L	50	-	-	-	<50
TRH C6-C9	µg/L	40	-	-	-	<40

Surrogates

Dibromofluoromethane (Surrogate)	%	-	-	-	-	114
d4-1,2-dichloroethane (Surrogate)	%	-	-	-	-	120
d8-toluene (Surrogate)	%	-	-	-	-	101
Bromofluorobenzene (Surrogate)	%	-	-	-	-	98

VPH F Bands

Benzene (F0)	µg/L	0.5	-	-	-	<0.5
TRH C6-C10 minus BTEX (F1)	µg/L	50	-	-	-	<50

TRH (Total Recoverable Hydrocarbons) in Water Method: AN403 Tested: 28/11/2018

TRH C10-C14	µg/L	50	-	-	-	<50
TRH C15-C28	µg/L	200	-	-	-	<200
TRH C29-C36	µg/L	200	-	-	-	<200
TRH C37-C40	µg/L	200	-	-	-	<200
TRH C10-C36	µg/L	450	-	-	-	<450
TRH C10-C40	µg/L	650	-	-	-	<650

TRH F Bands

TRH >C10-C16	µg/L	60	-	-	-	<60
TRH >C10-C16 - Naphthalene (F2)	µg/L	60	-	-	-	<60
TRH >C16-C34 (F3)	µg/L	500	-	-	-	<500
TRH >C34-C40 (F4)	µg/L	500	-	-	-	<500

PAH (Polynuclear Aromatic Hydrocarbons) in Water Method: AN420 Tested: 28/11/2018

Naphthalene	µg/L	0.1	-	-	-	<0.1
2-methylnaphthalene	µg/L	0.1	-	-	-	<0.1
1-methylnaphthalene	µg/L	0.1	-	-	-	<0.1
Acenaphthylene	µg/L	0.1	-	-	-	<0.1
Acenaphthene	µg/L	0.1	-	-	-	<0.1
Fluorene	µg/L	0.1	-	-	-	<0.1
Phenanthrene	µg/L	0.1	-	-	-	<0.1
Anthracene	µg/L	0.1	-	-	-	<0.1
Fluoranthene	µg/L	0.1	-	-	-	<0.1
Pyrene	µg/L	0.1	-	-	-	<0.1
Benzo(a)anthracene	µg/L	0.1	-	-	-	<0.1
Chrysene	µg/L	0.1	-	-	-	<0.1
Benzo(b&j)fluoranthene	µg/L	0.1	-	-	-	<0.1
Benzo(k)fluoranthene	µg/L	0.1	-	-	-	<0.1
Benzo(a)pyrene	µg/L	0.1	-	-	-	<0.1
Indeno(1,2,3-cd)pyrene	µg/L	0.1	-	-	-	<0.1
Dibenzo(ah)anthracene	µg/L	0.1	-	-	-	<0.1
Benzo(ghi)perylene	µg/L	0.1	-	-	-	<0.1
Total PAH (18)	µg/L	1	-	-	-	<1

Parameter	Units	LOR	SE186584.005	SE186584.006	SE186584.007	SE186584.008
Sample Number			SE186584.005	SE186584.006	SE186584.007	SE186584.008
Sample Matrix			Soil	Soil	Soil	Water
Sample Date			22 Nov 2018	22 Nov 2018	22 Nov 2018	22 Nov 2018
Sample Name			SP/05	SP/06	QC/01	QCR01

PAH (Polynuclear Aromatic Hydrocarbons) in Water Method: AN420 Tested: 28/11/2018 (continued)

Surrogates

Parameter	Units	LOR	SE186584.005	SE186584.006	SE186584.007	SE186584.008
d5-nitrobenzene (Surrogate)	%	-	-	-	-	48
2-fluorobiphenyl (Surrogate)	%	-	-	-	-	62
d14-p-terphenyl (Surrogate)	%	-	-	-	-	86

Trace Metals (Dissolved) in Water by ICPMS Method: AN318 Tested: 26/11/2018

Parameter	Units	LOR	SE186584.005	SE186584.006	SE186584.007	SE186584.008
Arsenic, As	µg/L	1	-	-	-	<1
Cadmium, Cd	µg/L	0.1	-	-	-	<0.1
Chromium, Cr	µg/L	1	-	-	-	<1
Copper, Cu	µg/L	1	-	-	-	<1
Lead, Pb	µg/L	1	-	-	-	<1
Nickel, Ni	µg/L	1	-	-	-	<1
Zinc, Zn	µg/L	5	-	-	-	<5

Mercury (dissolved) in Water Method: AN311(Perth)/AN312 Tested: 26/11/2018

Parameter	Units	LOR	SE186584.005	SE186584.006	SE186584.007	SE186584.008
Mercury	mg/L	0.0001	-	-	-	<0.0001

MB blank results are compared to the Limit of Reporting

LCS and MS spike recoveries are measured as the percentage of analyte recovered from the sample compared to the amount of analyte spiked into the sample.

DUP and MSD relative percent differences are measured against their original counterpart samples according to the formula: *the absolute difference of the two results divided by the average of the two results as a percentage*. Where the DUP RPD is 'NA', the results are less than the LOR and thus the RPD is not applicable.

Hexavalent Chromium in Soil UV/Vis Method: ME-(AU)-(ENV)AN075/AN201

Parameter	QC Reference	Units	LOR	MB	DUP %RPD	LCS %Recovery
Hexavalent Chromium, Cr6+	LB162272	mg/kg	0.5	<0.5	14%	111%

Mercury (dissolved) in Water Method: ME-(AU)-(ENV)AN311(Perth)/AN312

Parameter	QC Reference	Units	LOR	MB	LCS %Recovery
Mercury	LB161945	mg/L	0.0001	<0.0001	99%

Mercury in Soil Method: ME-(AU)-(ENV)AN312

Parameter	QC Reference	Units	LOR	MB	DUP %RPD	LCS %Recovery	MS %Recovery
Mercury	LB162206	mg/kg	0.05	<0.05	0%	103%	116%

Moisture Content Method: ME-(AU)-(ENV)AN002

Parameter	QC Reference	Units	LOR	DUP %RPD
% Moisture	LB162201	%ww	0.5	2 - 27%

PAH (Polynuclear Aromatic Hydrocarbons) in Soil Method: ME-(AU)-(ENV)AN020

Parameter	QC Reference	Units	LOR	MB	DUP %RPD	LCS %Recovery	MS %Recovery
Naphthalene	LB162200	mg/kg	0.1	<0.1	0%	110%	109%
2-methylnaphthalene	LB162200	mg/kg	0.1	<0.1	0%	NA	NA
1-methylnaphthalene	LB162200	mg/kg	0.1	<0.1	0%	NA	NA
Acenaphthylene	LB162200	mg/kg	0.1	<0.1	0%	115%	113%
Acenaphthene	LB162200	mg/kg	0.1	<0.1	0%	115%	116%
Fluorene	LB162200	mg/kg	0.1	<0.1	0%	NA	NA
Phenanthrene	LB162200	mg/kg	0.1	<0.1	0 - 15%	112%	110%
Anthracene	LB162200	mg/kg	0.1	<0.1	0%	109%	106%
Fluoranthene	LB162200	mg/kg	0.1	<0.1	0 - 16%	104%	102%
Pyrene	LB162200	mg/kg	0.1	<0.1	0 - 7%	111%	109%
Benzo(a)anthracene	LB162200	mg/kg	0.1	<0.1	0 - 6%	NA	NA
Chrysene	LB162200	mg/kg	0.1	<0.1	0 - 6%	NA	NA
Benzo(b&j)fluoranthene	LB162200	mg/kg	0.1	<0.1	0 - 7%	NA	NA
Benzo(k)fluoranthene	LB162200	mg/kg	0.1	<0.1	0%	NA	NA
Benzo(a)pyrene	LB162200	mg/kg	0.1	<0.1	0%	119%	118%
Indeno(1,2,3-cd)pyrene	LB162200	mg/kg	0.1	<0.1	0%	NA	NA
Dibenzo(ah)anthracene	LB162200	mg/kg	0.1	<0.1	0%	NA	NA
Benzo(ghi)perylene	LB162200	mg/kg	0.1	<0.1	0%	NA	NA
Carcinogenic PAHs, BaP TEQ <LOR=0	LB162200	TEQ (mg/kg)	0.2	<0.2	0%	NA	NA
Carcinogenic PAHs, BaP TEQ <LOR=LOR	LB162200	TEQ (mg/kg)	0.3	<0.3	0%	NA	NA
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2	LB162200	TEQ (mg/kg)	0.2	<0.2	0%	NA	NA
Total PAH (18)	LB162200	mg/kg	0.8	<0.8	0 - 13%	NA	NA
Total PAH (NEPMWHO 16)	LB162200	mg/kg	0.8	<0.8			

Surrogates

Parameter	QC Reference	Units	LOR	MB	DUP %RPD	LCS %Recovery	MS %Recovery
d5-nitrobenzene (Surrogate)	LB162200	%	--	92%	2 - 6%	98%	98%
2-fluorobiphenyl (Surrogate)	LB162200	%	--	96%	2 - 6%	102%	104%
d14-p-terphenyl (Surrogate)	LB162200	%	--	98%	2%	100%	100%

MB blank results are compared to the Limit of Reporting

LCS and MS spike recoveries are measured as the percentage of analyte recovered from the sample compared to the amount of analyte spiked into the sample.

DUP and MSD relative percent differences are measured against their original counterpart samples according to the formula: *the absolute difference of the two results divided by the average of the two results as a percentage*. Where the DUP RPD is 'NA', the results are less than the LOR and thus the RPD is not applicable.

PAH (Polynuclear Aromatic Hydrocarbons) in Water Method: ME-(AU)-(ENV)AN420

Parameter	QC Reference	Units	LOR	MB	LCS %Recovery
Naphthalene	LB161957	µg/L	0.1	<0.1	70%
2-methylnaphthalene	LB161957	µg/L	0.1	<0.1	NA
1-methylnaphthalene	LB161957	µg/L	0.1	<0.1	NA
Acenaphthylene	LB161957	µg/L	0.1	<0.1	82%
Acenaphthene	LB161957	µg/L	0.1	<0.1	82%
Fluorene	LB161957	µg/L	0.1	<0.1	NA
Phenanthrene	LB161957	µg/L	0.1	<0.1	92%
Anthracene	LB161957	µg/L	0.1	<0.1	83%
Fluoranthene	LB161957	µg/L	0.1	<0.1	89%
Pyrene	LB161957	µg/L	0.1	<0.1	92%
Benzo(a)anthracene	LB161957	µg/L	0.1	<0.1	NA
Chrysene	LB161957	µg/L	0.1	<0.1	NA
Benzo(b&j)fluoranthene	LB161957	µg/L	0.1	<0.1	NA
Benzo(k)fluoranthene	LB161957	µg/L	0.1	<0.1	NA
Benzo(a)pyrene	LB161957	µg/L	0.1	<0.1	86%
Indeno(1,2,3-cd)pyrene	LB161957	µg/L	0.1	<0.1	NA
Dibenzo(ah)anthracene	LB161957	µg/L	0.1	<0.1	NA
Benzo(ghi)perylene	LB161957	µg/L	0.1	<0.1	NA
Total PAH (18)	LB161957	µg/L	1	<1	

Surrogates

Parameter	QC Reference	Units	LOR	MB	LCS %Recovery
d5-nitrobenzene (Surrogate)	LB161957	%	-	70%	70%
2-fluorobiphenyl (Surrogate)	LB161957	%	-	70%	72%
d14-p-terphenyl (Surrogate)	LB161957	%	-	86%	88%

Total Recoverable Elements in Soil/Vegetal Solids/Materials by ICPOES Method: ME-(AU)-(ENV)AN040/AN320

Parameter	QC Reference	Units	LOR	MB	DUP %RPD	LCS %Recovery	MS %Recovery
Arsenic, As	LB162203	mg/kg	1	<1	13 - 22%	95%	67%
Cadmium, Cd	LB162203	mg/kg	0.3	<0.3	0%	99%	93%
Chromium, Cr	LB162203	mg/kg	0.3	<0.3	1 - 12%	93%	80%
Copper, Cu	LB162203	mg/kg	0.5	<0.5	0 - 2%	84%	94%
Nickel, Ni	LB162203	mg/kg	0.5	<0.5	5 - 20%	83%	90%
Lead, Pb	LB162203	mg/kg	1	<1	36 - 40%	83%	98%
Zinc, Zn	LB162203	mg/kg	2	<2.0	0 - 3%	90%	75%

MB blank results are compared to the Limit of Reporting

LCS and MS spike recoveries are measured as the percentage of analyte recovered from the sample compared to the amount of analyte spiked into the sample.

DUP and MSD relative percent differences are measured against their original counterpart samples according to the formula: *the absolute difference of the two results divided by the average of the two results as a percentage*. Where the DUP RPD is 'NA', the results are less than the LOR and thus the RPD is not applicable.

Trace Metals (Dissolved) in Water by ICPMS Method: ME-(AU)-(ENV)AN318

Parameter	QC Reference	Units	LOR	MB	DUP %RPD	LCS %Recovery	MS %Recovery
Arsenic, As	LB161984	µg/L	1	<1	0%	94%	103%
Cadmium, Cd	LB161984	µg/L	0.1	<0.1	0%	110%	115%
Chromium, Cr	LB161984	µg/L	1	<1	0 - 2%	111%	115%
Copper, Cu	LB161984	µg/L	1	<1	0 - 1%	115%	116%
Lead, Pb	LB161984	µg/L	1	<1	0 - 2%	108%	110%
Nickel, Ni	LB161984	µg/L	1	<1	0 - 2%	111%	112%
Zinc, Zn	LB161984	µg/L	5	<5	0 - 1%	105%	111%

TRH (Total Recoverable Hydrocarbons) in Soil Method: ME-(AU)-(ENV)AN403

Parameter	QC Reference	Units	LOR	MB	DUP %RPD	LCS %Recovery	MS %Recovery
TRH C10-C14	LB162200	mg/kg	20	<20	0%	108%	93%
TRH C15-C28	LB162200	mg/kg	45	<45	0%	115%	100%
TRH C29-C36	LB162200	mg/kg	45	<45	0%	100%	98%
TRH C37-C40	LB162200	mg/kg	100	<100	0%	NA	NA
TRH C10-C36 Total	LB162200	mg/kg	110	<110	0%	NA	NA
TRH C10-C40 Total (F bands)	LB162200	mg/kg	210	<210	0%	NA	NA

TRH F Bands

Parameter	QC Reference	Units	LOR	MB	DUP %RPD	LCS %Recovery	MS %Recovery
TRH >C10-C16	LB162200	mg/kg	25	<25	0%	110%	95%
TRH >C10-C16 - Naphthalene (F2)	LB162200	mg/kg	25	<25	0%	NA	NA
TRH >C16-C34 (F3)	LB162200	mg/kg	90	<90	0%	115%	105%
TRH >C34-C40 (F4)	LB162200	mg/kg	120	<120	0%	95%	NA

TRH (Total Recoverable Hydrocarbons) in Water Method: ME-(AU)-(ENV)AN483

Parameter	QC Reference	Units	LOR	MB	LCS %Recovery
TRH C10-C14	LB161957	µg/L	50	<50	71%
TRH C15-C28	LB161957	µg/L	200	<200	83%
TRH C29-C36	LB161957	µg/L	200	<200	100%
TRH C37-C40	LB161957	µg/L	200	<200	NA
TRH C10-C36	LB161957	µg/L	450	<450	NA
TRH C10-C40	LB161957	µg/L	650	<650	NA

TRH F Bands

Parameter	QC Reference	Units	LOR	MB	LCS %Recovery
TRH >C10-C16	LB161957	µg/L	60	<60	77%
TRH >C10-C16 - Naphthalene (F2)	LB161957	µg/L	60	<60	NA
TRH >C16-C34 (F3)	LB161957	µg/L	500	<500	96%
TRH >C34-C40 (F4)	LB161957	µg/L	500	<500	97%

MB blank results are compared to the Limit of Reporting

LCS and MS spike recoveries are measured as the percentage of analyte recovered from the sample compared to the amount of analyte spiked into the sample.

DUP and MSD relative percent differences are measured against their original counterpart samples according to the formula: *the absolute difference of the two results divided by the average of the two results as a percentage*. Where the DUP RPD is 'NA', the results are less than the LOR and thus the RPD is not applicable.

VOCs in Soil Method: ME-(AU)-(ENV)AN433

Monocyclic Aromatic Hydrocarbons

Parameter	QC Reference	Units	LOR	MB	DUP %RPD	LCS %Recovery	MS %Recovery
Benzene	LB162199	mg/kg	0.1	<0.1	0%	70%	62%
Toluene	LB162199	mg/kg	0.1	<0.1	0%	76%	68%
Ethylbenzene	LB162199	mg/kg	0.1	<0.1	0%	79%	78%
m/p-xylene	LB162199	mg/kg	0.2	<0.2	0%	88%	89%
o-xylene	LB162199	mg/kg	0.1	<0.1	0%	87%	84%

Polycyclic VOCs

Parameter	QC Reference	Units	LOR	MB	DUP %RPD	LCS %Recovery	MS %Recovery
Naphthalene	LB162199	mg/kg	0.1	<0.1	0%	NA	NA

Surrogates

Parameter	QC Reference	Units	LOR	MB	DUP %RPD	LCS %Recovery	MS %Recovery
Dibromofluoromethane (Surrogate)	LB162199	%	--	109%	1 - 12%	90%	71%
d4-1,2-dichloroethane (Surrogate)	LB162199	%	--	109%	2 - 15%	96%	74%
d8-toluene (Surrogate)	LB162199	%	--	75%	3 - 5%	87%	72%
Bromofluorobenzene (Surrogate)	LB162199	%	--	89%	2 - 5%	98%	86%

Totals

Parameter	QC Reference	Units	LOR	MB	DUP %RPD	LCS %Recovery	MS %Recovery
Total Xylenes	LB162199	mg/kg	0.3	<0.3	0%	NA	NA
Total BTEX	LB162199	mg/kg	0.6	<0.6	0%	NA	NA

VOCs in Water Method: ME-(AU)-(ENV)AN433

Monocyclic Aromatic Hydrocarbons

Parameter	QC Reference	Units	LOR	MB	DUP %RPD	LCS %Recovery	MS %Recovery
Benzene	LB162086	µg/L	0.5	<0.5	0 - 50%	112%	117%
Toluene	LB162086	µg/L	0.5	<0.5	0%	112%	116%
Ethylbenzene	LB162086	µg/L	0.5	<0.5	0%	113%	114%
m/p-xylene	LB162086	µg/L	1	<1	0%	112%	115%
o-xylene	LB162086	µg/L	0.5	<0.5	0%	113%	114%

Polycyclic VOCs

Parameter	QC Reference	Units	LOR	MB	DUP %RPD	LCS %Recovery	MS %Recovery
Naphthalene	LB162086	µg/L	0.5	<0.5	0%	NA	NA

Surrogates

Parameter	QC Reference	Units	LOR	MB	DUP %RPD	LCS %Recovery	MS %Recovery
Dibromofluoromethane (Surrogate)	LB162086	%	--	106%	1 - 3%	94%	106%
d4-1,2-dichloroethane (Surrogate)	LB162086	%	--	116%	1 - 4%	95%	117%
d8-toluene (Surrogate)	LB162086	%	--	99%	1%	94%	98%
Bromofluorobenzene (Surrogate)	LB162086	%	--	95%	0 - 4%	98%	100%

Totals

Parameter	QC Reference	Units	LOR	MB
Total Xylenes	LB162086	µg/L	1.5	<1.5
Total BTEX	LB162086	µg/L	3	<3

MB blank results are compared to the Limit of Reporting

LCS and MS spike recoveries are measured as the percentage of analyte recovered from the sample compared to the amount of analyte spiked into the sample.

DUP and MSD relative percent differences are measured against their original counterpart samples according to the formula: *the absolute difference of the two results divided by the average of the two results as a percentage*. Where the DUP RPD is 'NA', the results are less than the LOR and thus the RPD is not applicable.

Volatile Petroleum Hydrocarbons in Soil Method: ME-(AU)-(ENV)AN433

Parameter	QC Reference	Units	LOR	MB	DUP %RPD	LCS %Recovery	MS %Recovery
TRH C6-C10	LB162199	mg/kg	25	<25	0%	93%	80%
TRH C6-C9	LB162199	mg/kg	20	<20	0%	95%	82%

Surrogates

Parameter	QC Reference	Units	LOR	MB	DUP %RPD	LCS %Recovery	MS %Recovery
Dibromofluoromethane (Surrogate)	LB162199	%	--	109%	1 - 12%	90%	71%
d4-1,2-dichloroethane (Surrogate)	LB162199	%	--	109%	2 - 15%	96%	74%
d8-toluene (Surrogate)	LB162199	%	--	75%	3 - 5%	87%	72%
Bromofluorobenzene (Surrogate)	LB162199	%	--	89%	2 - 5%	98%	86%

VPH F Bands

Parameter	QC Reference	Units	LOR	MB	DUP %RPD	LCS %Recovery	MS %Recovery
Benzene (F0)	LB162199	mg/kg	0.1	<0.1	0%	NA	NA
TRH C6-C10 minus BTEX (F1)	LB162199	mg/kg	25	<25	0%	120%	83%

Volatile Petroleum Hydrocarbons in Water Method: ME-(AU)-(ENV)AN433

Parameter	QC Reference	Units	LOR	MB	DUP %RPD	LCS %Recovery	MS %Recovery
TRH C6-C10	LB162086	µg/L	50	<50	0 - 4%	99%	97%
TRH C6-C9	LB162086	µg/L	40	<40	0 - 4%	93%	93%

Surrogates

Parameter	QC Reference	Units	LOR	MB	DUP %RPD	LCS %Recovery	MS %Recovery
Dibromofluoromethane (Surrogate)	LB162086	%	--	106%	1 - 3%	94%	106%
d4-1,2-dichloroethane (Surrogate)	LB162086	%	--	116%	1 - 4%	95%	117%
d8-toluene (Surrogate)	LB162086	%	--	99%	1%	94%	98%
Bromofluorobenzene (Surrogate)	LB162086	%	--	95%	0 - 4%	98%	100%

VPH F Bands

Parameter	QC Reference	Units	LOR	MB	DUP %RPD	LCS %Recovery	MS %Recovery
Benzene (F0)	LB162086	µg/L	0.5	<0.5	0 - 50%	NA	NA
TRH C6-C10 minus BTEX (F1)	LB162086	µg/L	50	<50	0 - 4%	99%	94%

METHOD

METHODOLOGY SUMMARY

- AN002 The test is carried out by drying (at either 40°C or 105°C) a known mass of sample in a weighed evaporating basin. After fully dry the sample is re-weighed. Samples such as sludge and sediment having high percentages of moisture will take some time in a drying oven for complete removal of water.
- AN020 Unpreserved water sample is filtered through a 0.45µm membrane filter and acidified with nitric acid similar to APHA3030B.
- AN040 A portion of sample is digested with Nitric acid to decompose organic matter and Hydrochloric acid to complete the digestion of metals and then filtered for analysis by ASS or ICP as per USEPA Method 200.8.
- AN040/AN320 A portion of sample is digested with nitric acid to decompose organic matter and hydrochloric acid to complete the digestion of metals. The digest is then analysed by ICP OES with metals results reported on the dried sample basis. Based on USEPA method 200.8 and 6010C.
- AN075 This method uses an alkaline digestion to solubilise both water-soluble and water-insoluble forms of hexavalent chromium in solids. The solution is then pH adjusted and the hexavalent chromium concentration in solution determined colourimetrically.
- AN201 Cr6+ is determined colourimetrically by reaction with diphenylcarbazide in acid solution. A red-violet colour of unknown composition is produced.
- AN311(Perth)/AN312 Mercury by Cold Vapour AAS in Waters: Mercury ions are reduced by stannous chloride reagent in acidic solution to elemental mercury. This mercury vapour is purged by nitrogen into a cold cell in an atomic absorption spectrometer or mercury analyser. Quantification is made by comparing absorbances to those of the calibration standards. Reference APHA 3112/3500.
- AN312 Mercury by Cold Vapour AAS in Soils: After digestion with nitric acid, hydrogen peroxide and hydrochloric acid, mercury ions are reduced by stannous chloride reagent in acidic solution to elemental mercury. This mercury vapour is purged by nitrogen into a cold cell in an atomic absorption spectrometer or mercury analyser. Quantification is made by comparing absorbances to those of the calibration standards. Reference APHA 3112/3500
- AN318 Determination of elements at trace level in waters by ICP-MS technique, in accordance with USEPA 6020A.
- AN403 Total Recoverable Hydrocarbons: Determination of Hydrocarbons by gas chromatography after a solvent extraction. Detection is by flame ionisation detector (FID) that produces an electronic signal in proportion to the combustible matter passing through it. Total Recoverable Hydrocarbons (TRH) are routinely reported as four alkane groupings based on the carbon chain length of the compounds: C6-C9, C10-C14, C15-C28 and C29-C36 and in recognition of the NEPM 1999 (2013), >C10-C16 (F2), >C16-C34 (F3) and >C34-C40 (F4). F2 is reported directly and also corrected by subtracting Naphthalene (from VOC method AN433) where available.
- AN403 Additionally, the volatile C6-C9 fraction may be determined by a purge and trap technique and GC/MS because of the potential for volatiles loss. Total Recoverable Hydrocarbons - Silica (TRH-Si) follows the same method of analysis after silica gel cleanup of the solvent extract. Aliphatic/Aromatic Speciation follows the same method of analysis after fractionation of the solvent extract over silica with differential polarity of the eluent solvents.
- AN403 The GC/FID method is not well suited to the analysis of refined high boiling point materials (ie lubricating oils or greases) but is particularly suited for measuring diesel, kerosene and petrol if care to control volatility is taken. This method will detect naturally occurring hydrocarbons, lipids, animal fats, phenols and PAHs if they are present at sufficient levels, dependent on the use of specific cleanup/fractionation techniques. Reference USEPA 3510B, 8015B.

METHOD

METHODOLOGY SUMMARY

AN420	(SVOCs) including OC, OP, PCB, Herbicides, PAH, Phthalates and Speciated Phenols (etc) in soils, sediments and waters are determined by GCMS/ECD technique following appropriate solvent extraction process (Based on USEPA 3500C and 8270D).
AN420	Carcinogenic PAHs may be expressed as Benzo(a)pyrene equivalents by applying the BaP toxicity equivalence factor (NEPM 1999, June 2013, B7). These can be reported as the individual PAHs and as a sum of carcinogenic PAHs. The sum is reported three ways, the first assuming all <LOR results are zero, the second assuming all <LOR results are half the LOR and the third assuming all <LOR results are the LOR.
AN433	VOCs and C8-C9 Hydrocarbons by GC-MS P&T: VOC's are volatile organic compounds. The sample is presented to a gas chromatograph via a purge and trap (P&T) concentrator and autosampler and is detected with a Mass Spectrometer (MSD). Solid samples are initially extracted with methanol whilst liquid samples are processed directly. References: USEPA 5030B, 8020A, 8260.

ABBREVIATIONS

IS	Insufficient sample for analysis.	LOR	Limit of Reporting
LNR	Sample listed, but not received.	↑↓	Raised or Lowered Limit of Reporting
*	NATA accreditation does not cover the performance of this service.	QFH	QC result is above the upper tolerance
**	Indicative data, theoretical holding time exceeded.	QFL	QC result is below the lower tolerance
		-	The sample was not analysed for this analyte
		NVL	Not Validated

Samples analysed as received.
Solid samples expressed on a dry weight basis.

Where "Total" analyte groups are reported (for example, Total PAHs, Total OC Pesticides) the total will be calculated as the sum of the individual analytes, with those analytes that are reported as <LOR being assumed to be zero. The summed (Total) limit of reporting is calculated by summing the individual analyte LORs and dividing by two. For example, where 16 individual analytes are being summed and each has an LOR of 0.1 mg/kg, the "Totals" LOR will be 1.6 / 2 (0.8 mg/kg). Where only 2 analytes are being summed, the "Total" LOR will be the sum of those two LORs.

Some totals may not appear to add up because the total is rounded after adding up the raw values.

If reported, measurement uncertainty follow the ± sign after the analytical result and is expressed as the expanded uncertainty calculated using a coverage factor of 2, providing a level of confidence of approximately 95%, unless stated otherwise in the comments section of this report.

Results reported for samples tested under test methods with codes starting with ARS-SOP, radionuclide or gross radioactivity concentrations are expressed in becquerel (Bq) per unit of mass or volume or per wipe as stated on the report. Becquerel is the SI unit for activity and equals one nuclear transformation per second.

Note that in terms of units of radioactivity:

- 1 Bq is equivalent to 27 pCi
- 37 MBq is equivalent to 1 mCi

For results reported for samples tested under test methods with codes starting with ARS-SOP, less than (<) values indicate the detection limit for each radionuclide or parameter for the measurement system used. The respective detection limits have been calculated in accordance with ISO 11929.

The QC criteria are subject to internal review according to the SGS QAQC plan and may be provided on request or alternatively can be found here: http://www.sgs.com.au/-/media/Local/Australia/Documents/Technical%20Documents/MP-AU_ENV-CU-022%20QA%20QC%20Plan.pdf

This document is issued by the Company under its General Conditions of Service accessible at www.sgs.com.au/Terms-and-Conditions.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client only. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

This report must not be reproduced, except in full.

CLIENT DETAILS

Contact: **PETER PATERSON**
 Client: **NORTHWOOD ENVIRONMENTAL**
 Address: **UNIT 1
 772 PACIFIC HIGHWAY
 CHATSWOOD NSW 2067**

Telephone: **(Not specified)**
 Facsimile: **(Not specified)**
 Email: **[redacted]@northwoodenvironmental.com.au**

Project: **Caltex Calwell WCLR**
 Order Number: **(Not specified)**
 Samples: **8**

LABORATORY DETAILS

Manager: **Huong Crawford**
 Laboratory: **SGS Alexandria Environmental**
 Address: **Unit 16, 33 Maddox St
 Alexandria NSW 2015**

Telephone: **+61 2 8594 0400**
 Facsimile: **+61 2 8594 0499**
 Email: **au.environmental.sydney@sgs.com**

Samples Received: **Fri 23/11/2018**
 Report Due: **Fri 30/11/2018**
 SGS Reference: **SE186584**

SUBMISSION DETAILS

This is to confirm that 8 samples were received on Friday 23/11/2018. Results are expected to be ready by COB Friday 30/11/2018. Please quote SGS reference SE186584 when making enquiries. Refer below for details relating to sample integrity upon receipt.

Samples clearly labelled	Yes	Complete documentation received	Yes
Sample container provider	SGS	Sample cooling method	Ice
Samples received in correct containers	Yes	Sample counts by matrix	7 Soil, 1 Water
Date documentation received	23/11/2018	Type of documentation received	COC
Samples received in good order	Yes	Samples received without headspace	Yes
Sample temperature upon receipt	1.2°C	Sufficient sample for analysis	Yes
Turnaround time requested	Standard		

Unless otherwise instructed, water and bulk samples will be held for one month from date of report, and soil samples will be held for two months.

COMMENTS

This document is issued by the Company under its General Conditions of Service accessible at www.sgs.com/en/Terms-and-Conditions.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

CLIENT DETAILS

Client **NORTHWOOD ENVIRONMENTAL**

Project **Caltex Calwell WCLR**

SUMMARY OF ANALYSIS

No.	Sample ID	Hexavalent Chromium in Soil UV/Vis	Mercury in Soil	PAH (Polynuclear Aromatic Hydrocarbons) in Soil	Total Recoverable Elements in Soil/Waste	TRH (Total Recoverable Hydrocarbons) in Soil	VOC's in Soil	Volatile Petroleum Hydrocarbons in Soil
001	SP/01	1	1	26	7	10	12	8
002	SP/02	1	1	26	7	10	12	8
003	SP/03	1	1	26	7	10	12	8
004	SP/04	1	1	26	7	10	12	8
005	SP/05	1	1	26	7	10	12	8
006	SP/06	1	1	26	7	10	12	8
007	QC/01	1	1	26	7	10	12	8

CONTINUED OVERLEAF

The above table represents SGS' interpretation of the client-supplied Chain Of Custody document. The numbers shown in the table indicate the number of results requested in each package. Please indicate as soon as possible should your request differ from these details. Testing as per this table shall commence immediately unless the client intervenes with a correction.

CLIENT DETAILS

Client **NORTHWOOD ENVIRONMENTAL**

Project **Caltex Calwell WCLR**

SUMMARY OF ANALYSIS

No.	Sample ID	Moisture Content	PAH (Polynuclear Aromatic Hydrocarbons) in Water	TRH (Total Recoverable Hydrocarbons) in Water	VOCs in Water	Volatile Petroleum Hydrocarbons in Water
001	SP/01	1	-	-	-	-
002	SP/02	1	-	-	-	-
003	SP/03	1	-	-	-	-
004	SP/04	1	-	-	-	-
005	SP/05	1	-	-	-	-
006	SP/06	1	-	-	-	-
007	QC/01	1	-	-	-	-
008	QCR01	-	22	10	12	8

CONTINUED OVERLEAF

The above table represents SGS' interpretation of the client-supplied Chain Of Custody document. The numbers shown in the table indicate the number of results requested in each package. Please indicate as soon as possible should your request differ from these details. Testing as per this table shall commence immediately unless the client intervenes with a correction.

CLIENT DETAILS

Client **NORTHWOOD ENVIRONMENTAL**

Project **Caltex Calwell WCLR**

SUMMARY OF ANALYSIS

No.	Sample ID	Mercury (dissolved) in Water	Trace Metals (Dissolved) in Water by IC/MS
008	QCR01	1	7

The above table represents SGS' interpretation of the client-supplied Chain Of Custody document. The numbers shown in the table indicate the number of results requested in each package. Please indicate as soon as possible should your request differ from these details. Testing as per this table shall commence immediately unless the client intervenes with a correction.

From: Northwood Environmental 22 Christopher Crescent Batehaven NSW 2536	Project No.: Project Name: <i>Calwell WCLR</i> Date Sampled: <i>22/11/18</i>	To: SGS Unit 16, 33 Maddox St Alexandria NSW 2015	Contact: Phone: (02) 8594 0400 Email: au.samplerreceipt.sydney@sgs.com
---	---	---	---

Contact: Peter Paterson
 Mobile: 0429 945 771
 Email: peter@northwoodenvironmental.com.au
 Site Address:

Calley Calwell
Webber St
Calwell ACT 2905

Analysis Requested									
CL 10 Hexavalent Chromium(VI)									

COC Number:
 Page 1 of 1
Special Directions
CL 10 - TRHC₆₋₁₀ / BTEXN / PAH / 8 Metals
Hexavalent Chromium
Required Turnaround Time:
 24hr 36hr 48hr 72hr 5day / 7day *Standard FAT*

	Sample ID	Date	Matrix	CL 10	Hexavalent Chromium(VI)	Required Turnaround Time					Sample Comments
						250ml Glass Jar	40ml Vials	125P	250P	1L Amber	
1	SP101	<i>22/11</i>	<i>Soil</i>	/	/	4					
2	SP102	↓	↓	/	/	4					
3	SP103	↓	↓	/	/						
4	SP104	↓	↓	/	/						
5	SP105	↓	↓	/	/						
6	SP106	↓	↓	/	/						
7	QC101	↓	↓	/	/						
8	QCRC1	↓	<i>Water</i>	/			2	1		1	
9											
10											
11											
12											
13											
14											
15											
16											

SGS EHS Alexandria Laboratory

SE186584 COC
 Received: 23 - Nov - 2018

Relinquished by: <i>P. Paterson</i>	Date: <i>24/11/18</i>	Time:	Received by: <i>Sch 2.2(a)(ii)</i>	Date: <i>22/11</i>	Time: <i>11-15</i>
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

Appendix E

PIALLIGO SANDSTONE QUARRY LETTER OF ACCEPTANCE

Peter Paterson

From: Tony Irwin [Sch 2.2(a)(i)] [mailto:irwinandhartshorn.com]
Sent: Wednesday, 5 December 2018 10:30 AM
To: [Sch 2.2(a)(i)] [mailto:northwoodenvironmental.com.au]
Subject: FW: Acceptance letter Calwell

Peter

Approval from the stone quarry for acceptance of material from Caldwell.

Regards,

Tony Irwin

ACT Licence No. 19863638
NSW Licence No. 201360DE2
Company Licence: 2013731



From: baracsime@yahoo.com.au [mailto:baracsime@yahoo.com.au]
Sent: Wednesday, 5 December 2018 10:19 AM
To: Tony Irwin [Sch 2.2(a)(i)] [mailto:irwinandhartshorn.com]>
Subject: Fwd: Acceptance letter Calwell

Sent from my iPhone

Begin forwarded message:

From: baracsime@yahoo.com.au
Date: 5 December 2018 at 9:05:40 am AEST
To: [Sch 2.2(a)(i)] [mailto:irwinandhartshaw.com]
Subject: Acceptance letter Calwell

Good afternoon Tony,

Pialligo Stone Quarry would be happy to accept the material of approximately 150m³ from Block 8 section 787 (Caltex Calwell) if it meets the criteria from the EPA to be disposed of at our site - Block 1 section 26, Block 1 Section 25, Block 1 Section 24, Block 1 Section 23 and part of block 4 Section 18 Pialligo as per environmental authorisation number 1163.

Regards - Simon Barac



Virus-free. www.avq.com

the first two years of life. The first year of life is the most critical period for the development of the brain, and the second year is also very important. The brain is growing rapidly during this time, and the child is learning to walk, talk, and interact with the world around them.

The first year of life is also a time of great emotional development. The child is learning to recognize and express their own emotions, and they are also learning to recognize and respond to the emotions of others. This is a crucial time for the development of the child's social skills.

The second year of life is a time of rapid physical growth. The child is growing taller and heavier, and their bones are becoming stronger. They are also learning to walk and run, and they are beginning to explore their world with their hands and feet.

The second year of life is also a time of great cognitive development. The child is learning to understand the world around them, and they are beginning to use language to communicate their thoughts and feelings. This is a crucial time for the development of the child's intellectual skills.

The second year of life is also a time of great emotional development. The child is learning to recognize and express their own emotions, and they are also learning to recognize and respond to the emotions of others. This is a crucial time for the development of the child's social skills.

The second year of life is also a time of great physical development. The child is learning to walk and run, and they are beginning to explore their world with their hands and feet. This is a crucial time for the development of the child's motor skills.

The second year of life is also a time of great cognitive development. The child is learning to understand the world around them, and they are beginning to use language to communicate their thoughts and feelings. This is a crucial time for the development of the child's intellectual skills.

The second year of life is also a time of great emotional development. The child is learning to recognize and express their own emotions, and they are also learning to recognize and respond to the emotions of others. This is a crucial time for the development of the child's social skills.

The second year of life is also a time of great physical development. The child is learning to walk and run, and they are beginning to explore their world with their hands and feet. This is a crucial time for the development of the child's motor skills.

The second year of life is also a time of great cognitive development. The child is learning to understand the world around them, and they are beginning to use language to communicate their thoughts and feelings. This is a crucial time for the development of the child's intellectual skills.

The second year of life is also a time of great emotional development. The child is learning to recognize and express their own emotions, and they are also learning to recognize and respond to the emotions of others. This is a crucial time for the development of the child's social skills.

The second year of life is also a time of great physical development. The child is learning to walk and run, and they are beginning to explore their world with their hands and feet. This is a crucial time for the development of the child's motor skills.

The second year of life is also a time of great cognitive development. The child is learning to understand the world around them, and they are beginning to use language to communicate their thoughts and feelings. This is a crucial time for the development of the child's intellectual skills.



5 December 2018

Ms Narelle Sargent
Environment Protection Authority
GPO Box 158
Canberra ACT 2601

Our Reference: P018023_Calwell Caltex Service Station Stockpile Beneficial Reuse Assessment

Attention: Ms Sargent

RE: BENEFICIAL RE-USE SUITABILITY ASSESSMENT, CALWELL CALTEX SERVICE STATION, 1 WEBBER CRESCENT, CALWELL ACT 2905 (BLOCK 8 SECTION 787)

Dear Ms Sargent,

Please find attached a Beneficial Re-use Suitability Assessment Report for a stockpile of soil located on the Calwell Caltex Service Station Site, 1 Webber Crescent, Calwell ACT 2905. The report is being submitted for EPA review and approval prior to the proposed offsite beneficial reuse of the stockpiled soil at the 'Pialligo Sandstone Quarry'.

Northwood Environmental understands that the stockpile (approximately 125m³) was generated during the excavation of a trench along the north Site boundary that was excavated to enable the installation of a number of shallow groundwater extraction wells, as per the recommendations of a NSW EPA accredited Site auditor.

Please do not hesitate to contact me on **Sch 2.2(a)(ii)** should you have any queries relating to the RAP, or should you require clarification, changes or any additional information.

Regards,

Sch 2.2(a)(ii)

Peter Paterson
Hydrogeologist/ Geologist
Snr Contaminated Land Consultant
Northwood Environmental
peter@northwoodenvironmental.com.au

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry, no matter how small, should be recorded to ensure the integrity of the financial statements. This includes not only sales and purchases but also expenses, income, and any other financial activity.

The second part of the document provides a detailed breakdown of the accounting process. It starts with the identification of the accounting cycle, which consists of eight steps: identifying the accounting cycle, analyzing and journalizing the transactions, posting to the ledger, determining debits and credits, preparing a trial balance, adjusting the entries, preparing financial statements, and closing the books.

The third part of the document discusses the importance of the trial balance. It explains that the trial balance is a statement that lists all the accounts and their balances at a specific point in time. It is used to check the accuracy of the accounting records and to ensure that the debits equal the credits.

The fourth part of the document discusses the importance of adjusting entries. It explains that adjusting entries are necessary to ensure that the financial statements are accurate and reflect the true financial position of the company. These entries are used to record accruals, deferrals, and other adjustments.

The fifth part of the document discusses the importance of preparing financial statements. It explains that financial statements are used to provide information about the company's financial performance and position to management, investors, and other stakeholders. The four main financial statements are the balance sheet, income statement, statement of cash flows, and statement of retained earnings.

The sixth part of the document discusses the importance of closing the books. It explains that closing the books is the final step in the accounting cycle and involves transferring the balances of the temporary accounts to the permanent accounts. This process ensures that the accounts are ready for the next accounting period.

The seventh part of the document discusses the importance of maintaining accurate records. It emphasizes that accurate records are essential for the success of any business and for the reliability of the financial statements. This includes maintaining proper documentation, using reliable accounting software, and ensuring that all transactions are recorded in a timely and accurate manner.

The eighth part of the document discusses the importance of understanding the accounting cycle. It explains that the accounting cycle is a systematic process that ensures the accuracy and reliability of the financial statements. By following the accounting cycle, accountants can ensure that all transactions are recorded and that the financial statements are prepared in a consistent and accurate manner.

From: "Sargent, Narelle" <Narelle.Sargent@act.gov.au>
Sent: 26/09/2018 12:14 PM
To: "Sch 2.2(a)(iii)@coffey.com" <Sch 2.2(a)(iii)@coffey.com>
Cc: "Sch 2.2(a)(ii)@act.gov.au"; "Sch 2.2(a)(ii)@douglasspartners.com.au"
"Sch 2.2(a)(iii)@douglasspartners.com.au"; "Heckenberg, Mark" <Mark.Heckenberg@act.gov.au>
Subject: BRU Approval No 201853 – Stockpiled Material from Block 8 Section 787 Calwell

Dear Mr Xu

The Environment Protection Authority (the Authority) has reviewed the report titled "Beneficial re-use classification – Stockpiled soil at Calwell Service Station, ACT (Block 8, Section 787, Calwell)" dated 25 September 2018 by Coffey Services Australia Pty Ltd and supports the beneficial reuse of up to 250 cubic metres of stockpiled material from Block 8 Section 787 Calwell (the Site), as assessed in the above report, within the West Belconnen Resource Management Centre, located at Block 1586 Belconnen, subject to the following conditions:

1. This approval only applies to the material identified and assessed in the above report. No other material from the Site is to be removed under this approval (**BRU Approval No 201853**);
2. Separate approval must be sought if the material is to be reused or disposed to any other site;
3. All material from the site subject to this approval must be screened at the time of removal for visual and olfactory signs of contamination. If signs of contamination are detected the impacted material must be stockpiled on-site and assessed by a suitably qualified environmental consultant for off-site disposal. All potentially impacted material must remain on-site until approval is given by the Authority for off-site disposal;
4. The placement of material within the West Belconnen Resource Management Centre (Block 1586 Belconnen) must be in accordance with the requirements of the conditions of the Environmental Authorisation (No. 0374) issued to **ACT NOWaste** for the site;
5. Acceptance of material at the above facility is subject to its operational requirements; and
6. This approval is valid for 60 days from the date of issue.

This should not be taken as a warranty by the Environment Protection Authority or the Territory that the material subject to assessment in the above report is free from contamination or anthropogenic inclusions.

Yours sincerely

Narelle Sargent
Environment Protection Authority

Narelle Sargent | Deputy Director Environment Protection (*Environment Protection Authority*)
Phone: 02 6207 5782 | Mobile: Sch 2.2(a)(ii) | Email: narelle.sargent@act.gov.au
Access Canberra | Chief Minister Treasury and Economic Development Directorate | ACT
470 Northbourne Avenue, Dickson | GPO Box 158 Canberra ACT 2601 | www.act.gov.au/accessCBR



The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry should be supported by a valid receipt or invoice. This not only helps in tracking expenses but also ensures compliance with tax regulations.

In the second section, the author provides a detailed breakdown of the company's revenue streams. This includes sales from various product lines and services. The data shows a steady increase in revenue over the past year, which is attributed to market expansion and improved operational efficiency.

The third section focuses on the company's financial health and liquidity. It highlights the strong cash flow and the ability to meet all financial obligations. The author also mentions the company's commitment to maintaining a low debt-to-equity ratio, which is a key indicator of financial stability.

Finally, the document concludes with a summary of the company's overall performance and future outlook. The author expresses confidence in the company's ability to continue its growth trajectory and meet its long-term strategic goals.

From: "Sargent, Narelle" <Narelle.Sargent@act.gov.au>
Sent: 06/12/2018 12:40 PM
To: [redacted]@northwoodenvironmental.com.au [redacted]@northwoodenvironmental.com.au
Cc: "baracsime@yahoo.com.au"
<baracsime@yahoo.com.au>; [redacted]@douglaspartners.com.au
[redacted]@douglaspartners.com.au;"Heckenberg, Mark" <Mark.Heckenberg@act.gov.au>
Subject: BRU Approval No 201871 – Stockpiled Material from Block 8 Section 787 Calwell

Dear Mr Paterson,

The Environment Protection Authority (the Authority) has reviewed the report titled "Beneficial Re-use Suitability Assessment Calwell Caltex Service Station 1 Webber Crescent, Calwell ACT 2905 (Block 8, Section 787)" dated 3 December 2018 by Northwood Environmental and supports the beneficial reuse of up to 125 cubic metres of stockpiled material from Block 8 Section 787 Calwell (the Site), as assessed in the above report, within the Pialligo Stone Quarry (located at Block 1 Section 23, Block 1 Section 24, Block 1 Section 25, Block 1 Section 26 and part Block 4 Section 18 Pialligo) subject to the following conditions:

1. This approval only applies to the material identified and assessed in the above report. No other material from the Site is to be removed under this approval (**BRU Approval No 201871**);
2. Separate approval must be sought if the material is to be reused or disposed to any other site;
3. All material from the site subject to this approval must be screened at the time of removal for visual and olfactory signs of contamination. If signs of contamination are detected the impacted material must be stockpiled on-site and assessed by a suitably qualified environmental consultant for off-site disposal. All potentially impacted material must remain on-site until approval is given by the Authority for off-site disposal;
4. The placement of material within the Pialligo Stone Quarry site must be in accordance with the conditions of Environmental Authorisation No. 1163 issued to SM Barac and TT Barac trading as Pialligo Stone Quarry;
5. Acceptance of material at the above facility is subject to the facility's operational requirements; and
6. This approval is valid for 60 days from the date of issue and supersedes all previous approvals issued for this material. A new approval from the Authority must be sought and issued if the material is not removed from site within this time frame.

This should not be taken as a warranty by the Environment Protection Authority or the Territory that the material subject to assessment in the above report is free from contamination or anthropogenic inclusions.

Yours sincerely

Narelle Sargent
Environment Protection Authority

Narelle Sargent | the *Environment Protection Authority*

Office of the Environment Protection Authority (EPA)

Access Canberra | Chief Minister Treasury and Economic Development Directorate | ACT

Phone: 02 6207 5782 | Mobile: [redacted] | Email: narelle.sargent@act.gov.au

470 Northbourne Avenue, Dickson | GPO Box 158 Canberra ACT 2601 | www.act.gov.au/accessCBR



The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry, no matter how small, should be recorded to ensure the integrity of the financial statements. This includes not only sales and purchases but also expenses, income, and transfers between accounts.

The second part of the document provides a detailed breakdown of the accounting cycle. It outlines the ten steps involved in the process, from identifying the accounting entity to preparing financial statements. Each step is explained in detail, with examples provided to illustrate the concepts.

The third part of the document discusses the various types of accounts used in accounting. It distinguishes between assets, liabilities, equity, revenue, and expense accounts, and explains how they are classified and balanced. It also covers the concept of debits and credits, and how they are used to record transactions.

The fourth part of the document discusses the importance of internal controls in accounting. It explains how internal controls help to prevent errors and fraud, and how they can be designed to ensure the accuracy and reliability of financial information.

The fifth part of the document discusses the role of accounting in business decision-making. It explains how financial statements provide valuable information to management and other stakeholders, and how this information is used to make informed decisions about the future of the business.

The sixth part of the document discusses the ethical responsibilities of accountants. It emphasizes the importance of honesty, integrity, and objectivity in the accounting profession, and provides guidance on how to handle ethical dilemmas.

The seventh part of the document discusses the role of accounting in the economy. It explains how accounting provides a common language for business transactions, and how this helps to facilitate trade and economic growth.

The eighth part of the document discusses the role of accounting in the legal system. It explains how accounting records are used as evidence in court cases, and how accountants can be held liable for providing false or misleading information.

The ninth part of the document discusses the role of accounting in the financial markets. It explains how financial statements are used by investors and other market participants to make investment decisions, and how accounting information can affect the value of a company's stock.

The tenth part of the document discusses the role of accounting in the public sector. It explains how accounting is used to track government spending and revenue, and how this information is used to ensure the efficient and effective use of public resources.

From: "Estimator" [Sch 2.2(a)(ii)]@samarkos.com.au>
Sent: 16/10/2018 2:41 AM
To: "Environmental Standards" <Environmental.Standards@act.gov.au>
Cc: "Tanya" [Sch 2.2(a)(ii)]@samarkos.com.au>
Subject: BRU Approval to Dispose at WBRMC
Attachments: 754-CBREN218543-L03.pdf

Hi,

We are looking to remove a stockpile at Block 8, Section 787 Calwell ACT. Soil is classified as a BRU as per attached report. We need approval from EPA to dispose that soil to WBRMC in this regard. I have attached soil classification report for your information. Thank you

Regards,

Naveed Mahar

Project Engineer

Samarkos Earthmoving Pty Ltd

P: 02 62392002

F: 02 62392012

M: [Sch 2.2(a)(ii)]

E: [Sch 2.2(a)(ii)]@samarkos.com.au



the 1990s, the number of people with diabetes has increased in all industrialized countries. In the Netherlands, the prevalence of diabetes is estimated to be 6.5% in 1995, which corresponds to 1.5 million people (1).

Diabetes is a chronic disease, and the long-term complications of diabetes are a major cause of morbidity and mortality. The most common long-term complications are retinopathy, nephropathy, neuropathy, and cardiovascular disease. The prevalence of these complications increases with the duration of diabetes and the degree of glycaemic control (2).

The aim of this study was to determine the prevalence of long-term complications in a population of people with diabetes in the Netherlands. The study was part of a larger study on the prevalence of diabetes in the Netherlands, which was conducted in 1995 (3).

The study was conducted in a population of people with diabetes in the Netherlands. The study was part of a larger study on the prevalence of diabetes in the Netherlands, which was conducted in 1995 (3).

The study was conducted in a population of people with diabetes in the Netherlands. The study was part of a larger study on the prevalence of diabetes in the Netherlands, which was conducted in 1995 (3).

The study was conducted in a population of people with diabetes in the Netherlands. The study was part of a larger study on the prevalence of diabetes in the Netherlands, which was conducted in 1995 (3).

The study was conducted in a population of people with diabetes in the Netherlands. The study was part of a larger study on the prevalence of diabetes in the Netherlands, which was conducted in 1995 (3).

The study was conducted in a population of people with diabetes in the Netherlands. The study was part of a larger study on the prevalence of diabetes in the Netherlands, which was conducted in 1995 (3).

The study was conducted in a population of people with diabetes in the Netherlands. The study was part of a larger study on the prevalence of diabetes in the Netherlands, which was conducted in 1995 (3).

The study was conducted in a population of people with diabetes in the Netherlands. The study was part of a larger study on the prevalence of diabetes in the Netherlands, which was conducted in 1995 (3).

The study was conducted in a population of people with diabetes in the Netherlands. The study was part of a larger study on the prevalence of diabetes in the Netherlands, which was conducted in 1995 (3).

The study was conducted in a population of people with diabetes in the Netherlands. The study was part of a larger study on the prevalence of diabetes in the Netherlands, which was conducted in 1995 (3).

The study was conducted in a population of people with diabetes in the Netherlands. The study was part of a larger study on the prevalence of diabetes in the Netherlands, which was conducted in 1995 (3).

The study was conducted in a population of people with diabetes in the Netherlands. The study was part of a larger study on the prevalence of diabetes in the Netherlands, which was conducted in 1995 (3).

The study was conducted in a population of people with diabetes in the Netherlands. The study was part of a larger study on the prevalence of diabetes in the Netherlands, which was conducted in 1995 (3).

The study was conducted in a population of people with diabetes in the Netherlands. The study was part of a larger study on the prevalence of diabetes in the Netherlands, which was conducted in 1995 (3).

The study was conducted in a population of people with diabetes in the Netherlands. The study was part of a larger study on the prevalence of diabetes in the Netherlands, which was conducted in 1995 (3).

The study was conducted in a population of people with diabetes in the Netherlands. The study was part of a larger study on the prevalence of diabetes in the Netherlands, which was conducted in 1995 (3).

The study was conducted in a population of people with diabetes in the Netherlands. The study was part of a larger study on the prevalence of diabetes in the Netherlands, which was conducted in 1995 (3).

The study was conducted in a population of people with diabetes in the Netherlands. The study was part of a larger study on the prevalence of diabetes in the Netherlands, which was conducted in 1995 (3).

The study was conducted in a population of people with diabetes in the Netherlands. The study was part of a larger study on the prevalence of diabetes in the Netherlands, which was conducted in 1995 (3).

From: "Jonathan Lekawski" <[redacted]@caltex.com.au>
Sent: 04/02/2020 1:26 AM
To: "McIntyre, Sara" <Sara.McIntyre@act.gov.au>; "Heckenberg, Mark" <Mark.Heckenberg@act.gov.au>
Cc: "Dinesh Poudyal" <[redacted]@caltex.com.au>; "Liane Tempest-Wilson" <[redacted]@caltex.com.au>
Subject: Caltex ACT Sites - February 2020 Update
Attachments: 2020-02-04 ACT Sites Update to EPA.xlsx

Good morning Sara/Mark –

Ahead of our meeting tomorrow, please find attached a brief summary update for Caltex's ACT sites. Look forward to meeting with you both.

Regards,
Jonathan

Jonathan Lekawski
Senior Environmental Specialist – Eastern Region (NSW/ACT/QLD/NT)

CALTEX AUSTRALIA PETROLEUM PTY LTD
Level 22, 2 Market St, Sydney NSW 2000 | Postal: GPO Box 3916, Sydney NSW 2001
T: +61 2 9250 5201 | M: [redacted] | F: 02 9250-5742
E: jlekaws@caltex.com.au | www.caltex.com.au



*** IMPORTANT INFORMATION ***

This correspondence is for the named person's use only. It may contain confidential or legally privileged information or both. No confidentiality or privilege is waived or lost by any mistransmission. If you receive this correspondence in error, please immediately delete it from your system and notify the sender. You must not disclose, copy or rely on any part of this correspondence if you are not the intended recipient. Any opinions expressed in this message are those of the individual sender, except where the sender expressly, and with authority, states them to be the opinions of Caltex Australia Limited or one of its subsidiaries (collectively the "Caltex Group"). Neither the sender nor the Caltex Group warrants that any communication via the Internet is free of errors, viruses, interception or interference. Information is distributed without warranties of any kind.

Site Name	Caltex Site ID	Environmental Authorisation No.	Six-Monthly Gauging	LNAPL @ Six-Monthly Event	Annual GW Sampling	LNAPL @ Annual Event	SPEL Sampling	Reports Delivered to EPA	EA GUIDELINES EXCEEDED DURING ANNUAL GME (2019)	AUDITOR APPOINTED	Notes & January 2020 Status Update
Calwell	22176	EA 0748	Completed April 2019	None	Completed Sept. 2019	None	Completed Oct. 2019 & Dec. 2019	Annual GME - 19 Dec. '19 SPEL Sampling 1 - 20 Dec. '19 SPEL Sampling 2 - 31 Jan. '20	HSL D for F1 (MW7) and benzene (MW02). ACT EPA SS Guidelines for TPH C10-C40, benzene, toluene, and xylenes (MW02 and MW7) and ethylbenzene (MW7).	Bob Guzman - Douglas Partners (appointed by Landlord)	<p>During the September 2019 GME exceedances of adopted freshwater protection criteria, ACT service station guidelines, and HSL vapour intrusion screening criteria were identified in groundwater in the central portion of the site (MW02) and the northern boundary of the site (MW7). These results are generally consistent with previous investigations conducted in 2017 and 2018.</p> <p>ACT EPA advised that an assessment must be undertaken to determine whether the impacts identified warrant re-notification under section 23A of the Environment Protection Act 1997 and, where unacceptable risks to human health and/or the environment are identified, an appropriate Auditor endorsed and Environment Protection Authority supported site management plan must be provided to the land custodians of the off-site receptors to manage these risks. Appropriate remedial works, supported by the Auditor, must also be undertaken to ensure risks are acceptable for the various permitted uses of each of the impacted sites.</p> <p>This information has been passed along to the landlord along with the latest report.</p> <p>Next EA monitoring event currently planned for Q2 2020.</p>



CALTEX SITES IN ACT

Site Name	Caltex Site ID	Environmental Authorisation No.	Six-Monthly Gauging	LNAPL @ Six-Monthly Event	Annual GW Sampling	LNAPL @ Annual Event	SPEL Sampling	Reports Delivered to EPA	EA GUIDELINES EXCEEDED DURING ANNUAL GME (2019)	AUDITOR APPOINTED	Notes & January 2020 Status Update
-----------	----------------	---------------------------------	---------------------	---------------------------	--------------------	----------------------	---------------	--------------------------	---	-------------------	------------------------------------

Out of scope

CALTEX SITES IN ACT

Site Name	Caltex Site ID	Environmental Authorisation No.	Six-Monthly Gauging	LNAPL @ Six-Monthly Event	Annual GW Sampling	LNAPL @ Annual Event	SPEL Sampling	Reports Delivered to EPA	Notes
<h1>Out of scope</h1>									
Calwell	22176	EA 0748	Completed April 2019	None	Completed Sept. 2019	None	Completed Oct. 2019	Annual GME - 19 Dec. '19 SPEL Sampling - 20 Dec. '19	Next EA monitoring event currently planned for Q2 2020.

<h1>Out of scope</h1>									
-----------------------	--	--	--	--	--	--	--	--	--

Well ID	Date	LNAPL_depth (mBTOC)	water_depth (mBTOC)	longitude	latitude
---------	------	---------------------	---------------------	-----------	----------

Out of scope

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry, no matter how small, should be recorded to ensure the integrity of the financial statements. This includes not only sales and purchases but also expenses, income, and transfers between accounts.

The second part of the document provides a detailed breakdown of the accounting cycle. It outlines the ten steps involved in the process, from identifying the accounting entity to preparing financial statements. Each step is explained in detail, with examples provided to illustrate the concepts.

The third part of the document focuses on the classification of accounts. It discusses the different types of accounts used in accounting, such as assets, liabilities, equity, revenue, and expense accounts. It explains how these accounts are organized into a chart of accounts and how they are used to record transactions.

The fourth part of the document covers the journalizing process. It describes how transactions are recorded in the general journal and how they are then posted to the appropriate T-accounts. This process is essential for maintaining the double-entry system and ensuring that the books are balanced.

The fifth part of the document discusses the preparation of financial statements. It explains how the information from the T-accounts is used to create the balance sheet, income statement, and statement of owner's equity. It also discusses the importance of adjusting entries and how they are used to ensure that the financial statements are accurate and up-to-date.

The sixth part of the document covers the closing process. It describes how the temporary accounts (revenue, expense, and owner's drawing) are closed to the permanent accounts (assets, liabilities, and equity) at the end of the accounting period. This process is necessary to reset the temporary accounts for the next period and to update the equity account.

The seventh part of the document discusses the importance of internal controls. It explains how internal controls are used to prevent and detect errors and fraud in the accounting system. It provides examples of internal controls and discusses how they can be implemented in a business.

The eighth part of the document covers the use of accounting software. It discusses the benefits of using accounting software and provides an overview of the different types of software available. It also discusses the importance of data security and backup procedures when using accounting software.

The ninth part of the document discusses the role of the accountant. It explains the different types of accountants and the responsibilities of each. It also discusses the importance of ethics in the accounting profession and provides examples of ethical dilemmas that accountants may face.

The tenth part of the document covers the future of accounting. It discusses the impact of technology on the accounting profession and the need for accountants to stay current in their skills. It also discusses the importance of communication and teamwork in the accounting profession.

From: "Dinesh Poudyal" <[redacted]@caltex.com.au>
Sent: 09/04/2019 9:24 PM
To: "Heckenberg, Mark" <Mark.Heckenberg@act.gov.au>; "McIntyre, Sara" <Sara.McIntyre@act.gov.au>
Subject: Caltex April 2019 Update
Attachments: ACT Sites Update to EPA_10_04_2019.pdf

Morning Mark & Sara

Please find attached update for our meeting this morning.

Regards,

Dinesh

Dinesh Poudyal
Senior Environmental Specialist – Eastern Region (NSW/ACT/QLD/NT)

CALTEX AUSTRALIA PETROLEUM PTY LTD
2 Marker St, Sydney NSW 2000 | Postal: GPO Box 3916 Sydney NSW 2001
T: (02) 9250 5733 | M: [redacted] | F: (02) 9250 5742
E: [redacted]@caltex.com.au | www.caltex.com.au



*** IMPORTANT INFORMATION ***

This correspondence is for the named person's use only. It may contain confidential or legally privileged information or both. No confidentiality or privilege is waived or lost by any mistransmission. If you receive this correspondence in error, please immediately delete it from your system and notify the sender. You must not disclose, copy or rely on any part of this correspondence if you are not the intended recipient. Any opinions expressed in this message are those of the individual sender, except where the sender expressly, and with authority, states them to be the opinions of Caltex Australia Limited or one of its subsidiaries (collectively the "Caltex Group"). Neither the sender nor the Caltex Group warrants that any communication via the Internet is free of errors, viruses, interception or interference. Information is distributed without warranties of any kind.

CALTEX SITES IN ACT

SITE NAME	CALTEX SITE ID	ENVIRONMENTAL AUTHORIZATION NO.	EA GUIDELINES EXCEEDED DURING ANNUAL GME (2018)	AUDITOR APPOINTED	STATUS UPDATE APRIL 2019
<h1>Out of scope</h1>					
Calwell	22176	EA 0748	MW02 (TRH C ₁₀ -C ₄₀ benzene, toluene, ethylbenzene and m&p xylene and total BTEX) and MW7 (TRH C ₁₀ -C ₄₀ benzene, toluene, ethylbenzene and m&p xylene and total BTEX)	EPA 2018 - Douglas Partners (appointed by Landlord)	No LNAPL, six monthly gauging, annual gw sampling conducted as per the EA. The GME in November 2018 reported exceedances of human health vapour intrusion criteria in groundwater sampled from MW02 (F1 and benzene) and exceedances of freshwater criteria for benzene, xylene and naphthalene. Groundwater in MW7 had concentrations in excess of HSLs for vapour intrusion (F1) exceedances of freshwater criteria for benzene, xylene and naphthalene. Caltex forwarded the report to the landlord advising it to be forwarded to their Auditor. EPA requirement to conduct vapour intrusion assessment and development of a remedial plan have also been forwarded to the landlord. Landlord has also been advised about the biannual surface water sampling requirement in accordance with the EA. EA related groundwater monitoring is planned for Qtr4 2019.

Out of scope

CALTEX SITES IN ACT

SITE NAME	CALTEX SITE ID	ENVIRONMENTAL AUTHORISATION NO.	EA GUIDELINES EXCEEDED DURING ANNUAL GME (2018)	AUDITOR APPOINTED	STATUS UPDATE APRIL 2019
-----------	----------------	------------------------------------	---	-------------------	--------------------------

Out of scope

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry should be supported by a valid receipt or invoice. This not only helps in tracking expenses but also ensures compliance with tax regulations.

In the second section, the author provides a detailed breakdown of the company's revenue streams. This includes sales from various product lines and services. The analysis shows that while one product line is currently the primary source of income, diversification into new markets is a strategic priority for the future.

The third section addresses the company's financial health and liquidity. It highlights the need for a robust cash flow management strategy to ensure that all operational needs are met. The author suggests implementing regular financial reviews to identify potential areas of concern early on.

Finally, the document concludes with a series of recommendations for the management team. These include strengthening internal controls, improving communication with stakeholders, and staying abreast of industry trends. The author expresses confidence in the company's ability to overcome current challenges and achieve long-term success.

From: Sch 2.2(a)(ii) @douglaspartners.com.au>
Sent: 18/05/2015 1:35 AM
To: "Heckenberg, Mark" <Mark.Heckenberg@act.gov.au>
Subject: Calwell Service Station - ACT
Attachments: EPA Requirements.pdf

Mark

I have been contacted by Mr Sam Khoury in regard to undertaking an audit of the Caltex Service Station at the above site (see attached).

He has advised that the audit is required simply in respect to the checking of the proper installation (replacement) of various tanks and related appurtenances such that they comply with the relevant guidelines (akin to the NSW EPA's UPSS guidelines), but the attached conditions, particularly Part 1 (A2-A4 and B2), as well as '*Information Sheet 1 – Decommissioning, assessment and audit of sites containing above ground or underground fuel storage tanks*' and '*Information Sheet 3 – Requirements for the assessment and validation of sites containing above ground or underground fuel storage tanks*' etc, would suggest otherwise. I also understand that Mr Khoury has spoken to you in this regard.

Accordingly, and before I submit a quote to Mr Khoury for the audit, could you please clarify that the requirements for the investigations and audit at the above site are indeed as stated in the consent (as attached) and will need to be undertaken generally as outlined in the Information Sheets and related guidelines referenced therein, or otherwise? Happy to discuss.

Regards.

PS - I understand that EIS will be the appointed consultant.

Sch 2.2(a)(ii) Principal

Douglas Partners Pty Ltd | ABN 75 053 980 117 | www.douglaspartners.com.au
96 Hermitage Road West Ryde NSW 2114 | PO Box 472 West Ryde NSW 1685
P: 02 9809 0666 | F: 02 9809 4095 | M: Sch 2.2(a)(ii) @douglaspartners.com.au

This email is confidential. If you are not the intended recipient, please notify us immediately and be aware that any disclosure, copying, distribution or use of the contents of this information is prohibited. Please note that the company does not make any commitment through emails not confirmed by fax or letter.

From: Sch 2.2(a)(iii)@optusnet.com.au
Sent: 17/06/2015 6:26 PM
To: "Heckenberg, Mark" <Mark.Heckenberg@act.gov.au>
Subject: Calwell Tank Replacement
Attachments: Auditor Scope.pdf, RAP Scope.pdf

Mark,

I'm sorry to keep harassing you, but I can't afford to get this process wrong. Attached are the proposed scopes for the environmental engineer and the auditor. Could you review them to be in accordance with ACT EPA requirements.

If OK, I can get the owners to issue orders straight away and get the project started.

Many thanks

Sam Khoury

Email sent using Optus Webmail

Proposal SYD150734
17 June 2015
JMN:jlb

Attention: Mr Sam Khoury

Email: [Sch 2.2\(a\)\(ii\)@optusnet.com.au](mailto:Sch 2.2(a)(ii)@optusnet.com.au)

Dear Sirs

**Proposal for Preparation of Statutory Site Audit
Calwell Service Station, Were Street, Calwell ACT 2905**

1. Introduction

1.1 Background

Further to our emails dated from 15 May 2015, Douglas Partners Pty Ltd (DP) is pleased to provide the requested proposal for contaminated land auditing services by an accredited site auditor.

We understand that the site is an operational service station and requires tank replacement following a UPSS Precision Test Report and integrity test dated March 2014. Various EPA requirements are set out in the ACT Government Notice of Decision (DA No. 20126055) dated 1 October 2014, including *inter alia* conditions A2, A3 and B2.

We understand that in order to fulfil these conditions ACT EPA require that an RAP be prepared and that the tanks be removed and the tank pits validated and that groundwater monitoring takes place and that following sign off by the assessment consultant (EIS) that an audit must be prepared to state that the site is suitable for continued use as a service station.

Estimated costs to undertake the audit are provided in Section 3.

As the audit relates to an EPA requirements, the audit will be statutory in nature and thus requires to be formally notified to the Authority.

1.2 Auditor Experience

The undersigned has been an accredited auditor since 1998 and has completed well over 100 statutory site audits in NSW, WA, Victoria, ACT and NT, including contaminated sites involving a variety of former land uses including former service station sites.

Recent audit experience by the undersigned includes completed audits of large fuel depots located in Dubbo and ACT (including former Mobil Oil and Caltex Depots at Braddon, Griffith and Watson), as well as a multistorey development in Lane Cove by Abigroup. The auditor has also recently



Integrated Practical Solutions

Brisbane • Cairns • Canberra • Central Coast • Darwin • Geelong • Gold Coast • Macarthur • Melbourne • Newcastle • Perth • Sunshine Coast • Sydney • Townsville • Wollongong

completed 7 stages of a large site audit (149 ha), of a rural redevelopment comprising a championship standard golf course and residential subdivision. Former land uses of the site at Colebee, NSW, included former chicken farms, orchards and market gardens and cattle grazing properties with many former structures containing asbestos.

2. Audit Objectives and Requirements

A site audit statement (SAS) is a written statement prepared by an appointed (accredited) site Auditor of the findings of the site audit. A 'statutory' audit is one carried out under the Act, or under ACT Contaminated Sites EPP, or through other planning instruments under the Environmental Planning and Assessment Act, 1979, or any other Act.

Matters that require to be taken into account in site audits and site audit statements are defined under S51 of the Act and in the Guidelines. It should be noted that the audit documents, when completed, may contain caveats in regard to the type of development which is suitable for the land and any environmental management requirements which are needed to ensure that the site remains suitable for the specified use.

When an Auditor is requested to provide a Statutory Site Audit Statement he/she must within 7 days notify the ACT EPA of:

- Name and organisation of the person making the request for an audit and site owner; and
- The location of the site, including DP and Lot Numbers and proposed DP and Lots if different as well as Parish and County details.

Other site audit requirements, under the above legislation, and other relevant assessment criteria, are provided *inter alia* in the following guidelines made or endorsed by EPA under S 105 of the Contaminated Land Management Act, 1997 and Environment Protection Act, 1997 and as currently adopted by ACT EPA:

- ACT EPA, (2013) Environmental Guidelines for the preparation of an Environmental Management Plan;
- ACT EPA (2009). Environmental Guidelines for Service Station Sites and Hydrocarbon Storage & practice notes;
- ACT EPA (2009). Contaminated Sites Environmental Protection Policy (EPP);
- ACT EPA (2000) ACT's Environmental Standards: Assessment and Classification of Liquid and Non-liquid Wastes;
- NSW DECC (2009). Guidelines on the Duty to Report Contamination under the Contaminated Land Management Act 1997;
- NSW DEC (2007). Guidelines for the Assessment and Management of Groundwater Contamination;
- NSW DEC (2006). Guidelines for the NSW Site Auditor Scheme (2nd Edition);
- Australian and New Zealand Environment and Conservation Council and Agriculture and Resource Management Council (2000). Australian Water Quality Guidelines for Fresh and Marine Waters;

- National Environment Protection Council (1999). National Environment Protection (Assessment of Site Contamination) Measure as amended 2013;
- NSW EPA (2000). Guidelines for Consultants Reporting on Contaminated Sites;
- NSW EPA (1995). Sampling Design Guidelines; and
- NSW EPA (1994). Guidelines for Assessing Service Station Sites, December 1994.

In addition the following guidelines will be relevant.

http://www.environment.act.gov.au/__data/assets/pdf_file/0008/574775/Contaminated-Sheet-1-Decommissioning,-assessment-and-audit-of-sites-containing-above-ground-or-underground-fuel-storage-tanks.pdf

and

http://www.environment.act.gov.au/__data/assets/pdf_file/0008/574802/ContaminatedSitesInfoSheet3Dec2014.pdf

Audits are required to be conducted to exacting standards established by by ACT EPA and the assessment consultants reports must conform to these standards. To assist you in this matter please find attached a checklist which will be adopted by the auditor when reviewing your consultant report in regard to the site.

Also attached is a form with details of the site and audit requirements which the proposed client should complete and return to Douglas Partners Pty Ltd if it is decided to proceed with the audit. This will assist in enabling the audit to be notified to ACT EPA as required by regulation.

DP is required to provide a draft copy of the SAR to the ACT EPA for review and comment prior to finalisation of the Site Audit Statement (and Site Audit Report), see DA requirements.

In the event of significant environmental contamination, or risks to off-site land users or the environment, the client should also note that land owners and occupiers may have a duty to report as defined in the Contaminated Sites Environmental Protection Policy (EPP) (ACT EPA, 2009).

Details of the auditor scheme, related legislation, regulations and responsibilities we recommend you review the above documents which are available from the EPA website.

3. Proposed Scope of Works

The proposed audit scope (items 1-12 below) includes familiarisation with the project and one (1) site visit, by DP staff based in Canberra.

In general the auditor will respond to documents provided by the consultant and provide comments to the consultant and client in regard to the appropriateness of the reports. It is envisaged that the initial reports submitted for auditor review by the consultant would comprise:

- i. Sampling analysis and quality plan (SAQP);
- ii. Remediation action plan (RAP);

- iii. Validation report (VR) and
- iv. Groundwater Monitoring Report.

The auditor will review the **above** documentation prepared by EIS and make a determination based on these reports as to whether the nature and extent of contamination has been appropriately determined based on the information provided in the report which should also provide an evaluation of existing and future risk.

Review and audit of any draft reports, or additional reports not previously identified, or reports supplied in addition to items listed herein, or in regard to further scopes of works tendered by the consultant to the auditor would be additional to the scope proposed and would be charged at the nominated time cost rates.

The audit scope of works proposed also allows for reasonable liaison and correspondence (see schedule) with the environmental consultant (EIS) in order to clarify any minor issues which may arise related to the investigation works, and related reports generated by the consultants during the course of the audit.

The anticipated scope of works and the estimated fees for each item of the audit is shown in the Schedule below. Items 1-12 include anticipated audit items based on the information to hand at present. Items 13-19 are areas which are not anticipated, but may require to be covered depending on the nature of site remediation works.

The proposal also allows for the preparation of a Site Audit Statement and Site Audit Report as required under the legislation. Part B audits indicate the appropriateness of a report (in this case the Contamination Assessment) whilst a Part A audit indicates that the site is (now) suitable (and has been successfully remediated). Further details are provided in the attachments.

~~The anticipated scope of works and estimated fees for each item of the audit are shown in the schedule below.~~

Item	Estimated Quantity	Unit	Rate \$	Estimated Totals \$
<i>STANDARD AUDIT ITEMS¹</i>				
1. Statutory site audit notification to EPA (as audit is statutory)				
2. Site visit- (with consultant)				
3. Review of reports as listed above: • Review and comment				
4. Allowance for liaison, and correspondence (comments) to consultants and client				
5. Allowance for liaison and correspondence with EPA				
6. Audit Administration (audit return to EPA)				
7. Drafting and Secretarial				
8. Preparation of draft Site Audit Report				

The ultimate outcome of the audit will be:

- a Site Audit Statement which may contain requirements or conditions of the site audit statement pro-forma (as attached); and
- a Site Audit Report.

It should be noted that the auditor is not able to provide interim advice until commissioned for the audit. The outcome of the audit is provided in the documents (SAR, SAS). Any interim advice by the auditor does not constitute a final outcome of the audit and does not imply future sign-off of the condition or likely future condition of the site, it is simply an opinion based on the information which is currently available which may change as the works proceed. Accordingly any programming relating to such interim advice should be taken on that basis, particularly if the interim advice is adopted by the client for scheduling or preliminary planning decisions.

The audit scope does not allow for review of repeated revisions/drafts of any reports prepared by consultants as a result of inadequate scopes of work, sampling methods or reporting which does not meet the guidelines made and endorsed by ACT EPA.

Please note that full paper and computer readable electronic copies of all existing and any future reports including appendices will require to be supplied to the auditor by the consultant or client to enable the audit to be completed. Waste disposal documentation will also require to be provided confirming legal disposal of any spoil or other related (waste) materials removed from the site. Similarly any fill materials imported onto the site prior to audit completion will require to be properly assessed and documented as part of the audit process.

4. Timetable

Review of the reports (as noted above) and associated documentation by consultants, including provision of comments, can normally be completed within 10-15 days of receipt of your order to proceed and or receipt of the documents. A similar time table would apply to any subsequent reports prepared/issued by the consultants.

Preparation of the draft Site Audit Report and draft Site Audit Statement can generally be completed within 20-25 working days following receipt and agreement of all final reports. Review of the draft documentation by ACT EPA normally takes several weeks with finalisation of the audit report within a further week following receipt of any comments.

Completion of the Site Audit Statement and Site Audit Report after that time assumes that no further works require to be completed by the site assessment and/or site remediation consultant.

5. Conditions of Engagement and Limitations

A copy of our standard conditions of engagement is attached and should be read in conjunction with this proposal. If the work is required under any other conditions, agreements or contracts then DP

should be informed immediately. Any costs, including legal costs incurred in reviewing such documents will be levied at time cost rates or cost plus 7.5%.

Where further site works/monitoring or ongoing management are required the site audit statement and report will make comments or recommendations in this regard.

Full paper and computer readable electronic copies of all existing reports including appendices will require to be supplied to the auditor by the consultant or client to enable the audit to be completed. **Please inform you consultant of these requirements.**

The final report by the consultant should provide a clear statement that the site contains no significant contamination which may lead to a risk of significant harm to the environment (either on site or off-site), or which triggers the requirement to notify as defined under the EPA legislation, and that the site is suitable for the proposed land-use, or alternatively that the report(s) determines the range of land uses for which the site is (or can be made) suitable.

We require written acceptance of this proposal from the party responsible for payment and details of the party commissioning the audit indicating company details and contact address.

Please complete the attached RFI to enable the audit to be notified as per EPA requirements. Please note that the audit cannot commence unless the RFI is completed and returned to DP.

The prospective client should familiarise himself with the provisions of the ACT EPA guidelines and regulations before commencement of the audit.

DP will tender invoices for staged payments based on the amount of work completed on a monthly basis (as relevant).

We thank you for the opportunity to quote for this work and look forward to hearing from you in due course.

Yours faithfully
Douglas Partners Pty Ltd

Sch 2.2(a)(ii)

Principal

Attached: DP Conditions of Engagement
Auditor Checklist
RFI Form
Site Audit Statement Pro-forma - ACT Version (for information only)



ENVIRONMENTAL INVESTIGATION SERVICES

PROPOSAL

17 April 2015
Ref: EP8886KG

Attention: Sam Khoury
Email: [Sch 2.2\(a\)\(ii\).@optusnet.com.au](mailto:Sch 2.2(a)(ii).@optusnet.com.au)

REMEDIAL ACTION PLAN (RAP)
PROPOSED UNDERGROUND FUEL TANK REPLACEMENT
SERVICE STATION - 1 WEBBER CRESCENT, CALWELL, ACT 2905

1 Introduction

EIS are pleased to provide this proposal to prepare a Remedial Action Plan (RAP) for the proposed underground fuel tank replacement for the service station at 1 Webber Crescent, Calwell.

The proposed underground fuel tank replacement area has been referred to as 'the site' within this proposal. The RAP will apply to the site only.

This proposal has been prepared based on the information provided by the client. Please note that Remedial Action Plans (RAP) are usually prepared for sites where contamination is known to exist. The RAP documents the procedures that have to be implemented to remediate the site.

2 Background

EIS understand that only one (1) of the existing underground fuel storage tanks will be removed from the site and a new, larger capacity fuel storage tank will be installed at the same location.

We also understand that the tank pit will have to be expanded to facilitate the new larger tank. We are not aware of any soil or groundwater contamination issues associated with this service station.

3 Scope of Work

The general framework for the RAP will be based on the guidelines adopted by the NSW EPA for the assessment of contaminated sites (see <http://www.epa.nsw.gov.au/clm/>). Reference will also be made to Technical Note: Investigation of Service Station Sites NSW EPA 2014.



Postal Address: PO Box 976, North Ryde BC NSW 1670
Tel: 02 9888 5000 • Fax: 9888 5004

EIS is a division of Jeffery and Katauskas Pty Ltd • ABN 17 003 550 801

We understand that the RAP is required only for remediation of any soil contamination, associated with the petroleum storage, which may be encountered in the immediate vicinity of the proposed tank replacement pit. Assessment of the soil contamination status at the other areas of the service station, assessment of groundwater contamination status and subsequent remediation/validation will be outside the scope of the RAP.

The proposed scope of work includes the preparation of a draft RAP report in electronic format (pdf copy by email) for audit review and finalising the RAP based on the Auditor's comments.

4 Costs

The total cost for the scope of work outlined above [REDACTED]

5 Reporting Timeframe

A draft RAP will be prepared for audit review approximately 2 weeks after commission. A final report will be issued after receiving the audit review comments. EIS take no responsibility for any delays caused by the site audit process.

Review of client generated consultancy agreements or terms of engagement may delay the commencement of the investigation.

6 Proposal Acceptance

This proposal is valid for three months from the date of issue. The conditions of engagement are outlined in Attachment 2. By accepting this proposal, the client agrees to the scope of work provided and acknowledges that they assume responsibility for any services outside the nominated scope of work. In the event that additional services are required, the additional scope of services should be confirmed in writing via the preparation (and client acceptance) of a separate fee proposal or variation.

7 Site Audit Process

As part of the DA approval process, the ACT Government may require an independent site auditor, accredited by the NSW EPA, to review the works undertaken by the consultant. The site auditor is engaged (independent of EIS) by the client. EIS cannot engage an auditor on behalf of the client. The site auditor is required to prepare a Site Audit Statement (SAS) and Site Audit Report (SAR) for the proposed development in accordance with the NSW DECC Contaminated Site: Guidelines for the NSW Site Audit Scheme (2nd Edition) (2006).

In the event a site auditor is engaged for the project, the auditor may require additional works outside the scope of this proposal to be undertaken in order to meet the audit requirements. The additional scope of work and associated costs cannot be estimated at this stage and will be outlined in a separate proposal if required upon consultation with the site auditor.

Further information regarding the site audit process can be found at <http://www.epa.nsw.gov.au/clm/auditorscheme.htm>. The website also includes a current list of site auditors with their contact information.

8 Limitations

8.1 Presence of Contamination

Section 60 of the CLM Amendment Act sets out a positive duty on a land owner, or person whose activities have caused contamination, to notify the NSW EPA if they are or become aware that contamination exists on a site that generally poses *“an unacceptable risk to human health or the environment, given the site’s current or approved use”*. The duty to report is based on trigger values, above which notification is required. Should significant contamination be encountered on site, legal advice will probably be needed to address the situation.

8.2 Changes to Proposed Development Details and Site Information

This proposal is based on the site/development details provided to EIS at the time of the preparation of this proposal. If this information changes, we may need to amend the scope which may incur additional costs.

All relevant plans and information in your possession regarding storage of dangerous goods, details of underground services, previous investigation reports and anecdotal site history should be made available to us prior to commission. Review of any such documents issued to EIS upon commission will be charged at unit rates.

8.3 Additional Items

Variation to the scope will be charged at unit rates. This may include (but is not limited to) the following:

- Review of client generated consultancy agreements or terms of engagement may incur additional costs which will be charged at unit rates for an Associate or Principal;
- Changes to final reports;
- Additional sampling and analysis;
- Meetings or additional site visits;
- NSW EPA/Council/auditor liaison;
- Review of reports prepared by other consultants; and
- Preparation and issue of report hard copies.

Please notify us as soon as possible if any of the assumptions made in this proposal are incorrect.

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry, no matter how small, should be recorded to ensure the integrity of the financial statements. This includes not only sales and purchases but also expenses, income, and transfers between accounts.

The second part of the document provides a detailed breakdown of the accounting cycle. It outlines the ten steps involved in the process, from identifying the accounting entity to preparing financial statements. Each step is explained in detail, with examples provided to illustrate the concepts.

The third part of the document focuses on the classification of accounts. It discusses the different types of accounts, such as assets, liabilities, equity, revenue, and expense accounts, and how they are used to record and summarize business transactions.

The fourth part of the document covers the process of journalizing and posting. It explains how to create journal entries based on the information provided in the source documents and how to post these entries to the appropriate T-accounts in the ledger.

The fifth part of the document discusses the process of balancing the accounts. It explains how to calculate the ending balances for each account and how to ensure that the total debits equal the total credits, which is a fundamental principle of double-entry accounting.

The sixth part of the document covers the preparation of financial statements. It discusses the different types of financial statements, such as the balance sheet, income statement, and statement of cash flows, and how they are prepared based on the information recorded in the ledger.

The seventh part of the document discusses the process of closing the books. It explains how to transfer the balances of the temporary accounts (revenue, expense, and dividend accounts) to the permanent accounts (assets, liabilities, and equity accounts) at the end of the accounting period.

The eighth part of the document covers the process of correcting errors. It discusses the different types of errors that can occur, such as omissions, commissions, and transpositions, and how to identify and correct them using the trial balance and other accounting tools.

The ninth part of the document discusses the importance of internal controls. It explains how to design and implement internal control systems to prevent and detect errors and fraud, and how to ensure the accuracy and reliability of the financial information.

The tenth part of the document covers the process of auditing. It discusses the different types of audits, such as internal audits and external audits, and how they are conducted to provide an independent opinion on the accuracy and fairness of the financial statements.

From: Sch 2.2(a)(ii) @douglaspartners.com.au>
Sent: 11/09/2019 3:48 AM
To: "Contaminated Sites" <ContaminatedSites@act.gov.au>
Subject: FW: Auditing in ACT
Attachments: 84947.00.C.010 Rev) Audit notification psm-A-02 Calwell.pdf

Sch 2.2(a)(ii) Principal

Douglas Partners Pty Ltd | ABN 75 053 980 117 |
www.douglaspartners.com.au
231 Normanby Road South Melbourne VIC 3205 | PO Box 5051 South
Melbourne VIC 3205
P: 03 9673 3500 | M: Sch 2.2(a)(ii) E:
Sch 2.2(a)(ii)@douglaspartners.com.au



This email is confidential. If you are not the intended recipient, please notify us immediately and be aware that any disclosure, copying, distribution or use of the contents of this information is prohibited. Please note that the company does not make any commitment through emails not confirmed by fax or letter.

From: Sch 2.2(a)(ii)
Sent: Wednesday, 11 September 2019 12:34 PM
To: Sch 2.2(a)(ii) Heckenberg, Mark
Cc: 'ContaminatedSites@act.gov.au.'
Subject: RE: Auditing in ACT

Mark

Please find attached a notification that I am taking over the Audit at the site at Webber Crescent, Calwell.

I have included the e-mail address you sent me last week for notification of Audits, but I am receiving a notification that the address is no longer valid.

Sch 2.2(a)(ii)

Sch 2.2(a)(ii)

Contaminated Sites Auditor (Vic, NSW, NT)

Principal

Douglas Partners Pty Ltd | ABN 75 053 980 117 | www.douglaspartners.com.au
231 Normanby Road South Melbourne VIC 3205 | PO Box 5051 South Melbourne VIC 3205
P: 03 9673 3500 | F: 03 9673 3599 | M: Sch 2.2(a)(ii) @douglaspartners.com.au

From: Sch 2.2(a)(ii)
Sent: Friday, 30 August 2019 11:47 AM
To: Heckenberg, Mark
Cc: Sch 2.2(a)(ii)
Subject: Auditing in ACT

Mark

Sch 2.2(a)(ii), Out of scope

Out of scope

The audit at Calwell was originally expected to be completed by the end of the year, however based on the results of the latest monitoring I now have my doubts that this can be reasonably achieved. This is due to consistently elevated results for hydrocarbons in groundwater at or near the site boundary. Accordingly, the consultant has recommended continuance of the GME programme and as such it now seems reasonable to transfer this work to Paul rather than waiting until later in the year. The client has agreed to this approach.

Out of scope

If you have any questions please contact either myself or Sch 2.2(a)(ii)

Kind regards.

Sch 2.2(a)(ii) | Principal

Douglas Partners Pty Ltd | ABN 75 053 980 117 |
www.douglaspartners.com.au
96 Hermitage Road West Ryde NSW 2114 | PO Box 472 West
Ryde NSW 1685

P: 02 9809 0666 | F: 02 9809 4095 | M: Sch 2.2(a)(ii) | E:

Sch 2.2(a)(ii)@douglaspartners.com.au

FINANCIAL REVIEW
CLIENT CHOICE AWARDS 2019
WINNER **beaton**



This email is confidential. If you are not the intended recipient, please notify us immediately and be aware that any disclosure, copying, distribution or use of the contents of this information is prohibited. Please note that the company does not make any commitment through emails not confirmed by fax or letter.

Disclaimer

The information contained in this communication from the sender is confidential. It is intended solely for use by the recipient and others authorized to receive it. If you are not the recipient, you are hereby notified that any disclosure, copying, distribution or taking action in relation of the contents of this information is strictly prohibited and may be unlawful.

This email has been scanned for viruses and malware, and may have been automatically archived by **Mimecast Ltd**, an innovator in Software as a Service (SaaS) for business. Providing a **safer** and **more useful** place for your human generated data. Specializing in; Security, archiving and compliance. To find out more [Click Here](#).

ENVIRONMENT PROTECTION AUTHORITY

STATUTORY SITE AUDIT NOTIFICATION

Environment Protection Act 1997

SITE AUDITORS DETAILS:

Name: Sch 2.2(a)(ii)

Ph: Sch 2.2(a)(ii)

Company: Douglas Partners Pty Ltd

Fax: n/a

Address: 231 Normanby Rd, South Melbourne, Vic, 3205

Accredited by (State Authority):

NSW:

Accreditation No: 1503

VIC

File Reference No: 100932

NOTIFICATION NUMBER: psm-A-02

SITE LOCATION:

Block: 8 Section: 787 Division: Calwell District: Tuggerawong

Deposited Plan No.: 7990

Street Address: 1 Webber Crescent, Calwell, ACT

Postcode: 2905

SITE AUDIT REQUESTED BY:

Name: Con Tsoulis

Company: Tsoulis Group

Address: PO Box 99, Calwell, ACT

Postcode: 2905

Phone: e-mail: @bigpond.com.au

Date request received: 15 August 2019

*Notification delayed, pending response to M Nash from ACT EPA regarding transfer of the Audit between Auditors. Original engagement of DP to conduct Audit was 30 June 2015

Notification must be sent to the EPA within 7 days of receiving the request.

NATURE OF STATUTORY REQUIREMENTS:

- A Requirement under the *Environment Protection Act 1997*
- Type of instrument imposing the requirement (e.g. assessment order):

Date of issue: _____

- A requirement imposed by an environmental planning instrument (EPI)

Name and number of EPI: _____

- A development approval given under the *Planning and Development Act 2007*.

Approval authority: **ACT Government (Notice of Decision) – DA No. 201426055**

Date approval granted: **1 / 10 / 2014**

- Comments: **The audit has been requested by ACT EPA**

This statutory audit site audit is conducted for the purpose of determining:

- The suitability of the land for the current/proposed land use(s), from a contamination perspective; and/or
- The nature and extent of the assessment or remediation undertaken, as the case requires; and/or
- The nature and extent of any contamination or remaining contamination of the land; and/or
- What further assessment or remediation, as the case requires, is necessary before the land is suitable for any specified use or range of uses; and/or
- The suitability and appropriateness of an assessment proposal, remediation proposal, remedial action plan or environment management plan.

Estimated time within which audit will be completed: prior to 30 June 2020 _____

I certify that the information supplied in this form and any attached pages is correct.

Signed: **Sch 2.2(a)(ii)** _____ Date: 11/9/19

Notification must be sent to the EPA within 7 days of receiving the request.

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry, no matter how small, should be recorded to ensure the integrity of the financial statements. This includes not only sales and purchases but also expenses, income, and transfers between accounts.

The second part of the document provides a detailed breakdown of the accounting cycle. It outlines the ten steps involved in the process, from identifying the accounting entity to preparing financial statements. Each step is explained in detail, with examples provided to illustrate the concepts.

The third part of the document focuses on the classification of accounts. It discusses the different types of accounts, such as assets, liabilities, equity, revenue, and expense accounts, and how they are used to record and summarize business transactions.

The fourth part of the document covers the process of journalizing and posting. It explains how transactions are recorded in the journal and then posted to the ledger accounts. This process is essential for maintaining the double-entry system and ensuring that the books are balanced.

The fifth part of the document discusses the preparation of financial statements. It outlines the steps involved in calculating the net income, preparing the income statement, balance sheet, and statement of owner's equity. It also discusses the importance of comparing these statements to the previous period to identify trends and changes.

The sixth part of the document covers the closing process. It explains how the temporary accounts (revenue, expense, and drawing accounts) are closed to the permanent accounts (assets, liabilities, and equity accounts) at the end of the accounting period. This process is necessary to reset the temporary accounts for the next period and to update the equity account.

The seventh part of the document discusses the importance of adjusting entries. It explains how these entries are used to record accruals, deferrals, and other adjustments that are necessary to ensure that the financial statements are accurate and reflect the true financial position of the business.

The eighth part of the document covers the process of reconciling the bank statement. It explains how the bank statement is compared to the company's cash account to identify any discrepancies and correct them. This process is essential for ensuring that the cash account is accurate and up-to-date.

The ninth part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry, no matter how small, should be recorded to ensure the integrity of the financial statements. This includes not only sales and purchases but also expenses, income, and transfers between accounts.

The tenth part of the document provides a summary of the key concepts discussed in the document. It emphasizes the importance of accuracy, consistency, and transparency in the accounting process. It also provides some final thoughts on the role of accounting in the business world.

From: "Sargent, Narelle" <Narelle.Sargent@act.gov.au>
Sent: 02/11/2018 4:02 AM
To: "Sch 2.2(a)(ii) @coffey.com" <Sch 2.2(a)(ii) @coffey.com>
Cc: "Sch 2.2(a)(ii) @yahoo.com.au" <Sch 2.2(a)(ii) @yahoo.com.au>; "Sch 2.2(a)(ii) @douglaspartners.com.au" <Sch 2.2(a)(ii) @douglaspartners.com.au>; "Heckenberg, Mark" <Mark.Heckenberg@act.gov.au>
Subject: FW: BRU Approval No 201866 – Stockpiled Material from Block 8 Section 787 Calwell

Dear Mr Carbone

The Environment Protection Authority (the Authority) has reviewed the report titled "Beneficial re-use classification – Stockpiled soil at Calwell Service Station, ACT (Block 8, Section 787, Calwell)" dated 1 November 2018 by Coffey Services Australia Pty Ltd and supports the beneficial reuse of up to 250 cubic metres of stockpiled material from Block 8 Section 787 Calwell (the Site), as assessed in the above report, within the Pialligo Stone Quarry (located at Block 1 Section 23, Block 1 Section 24, Block 1 Section 25, Block 1 Section 26 and part Block 4 Section 18 Pialligo) subject to the following conditions:

1. This approval only applies to the material identified and assessed in the above report. No other material from the Site is to be removed under this approval (**BRU Approval No 201866**);
2. Separate approval must be sought if the material is to be reused or disposed to any other site;
3. All material from the site subject to this approval must be screened at the time of removal for visual and olfactory signs of contamination. If signs of contamination are detected the impacted material must be stockpiled on-site and assessed by a suitably qualified environmental consultant for off-site disposal. All potentially impacted material must remain on-site until approval is given by the Authority for off-site disposal;
4. The placement of material within the Pialligo Stone Quarry site must be in accordance with the conditions of Environmental Authorisation No. 1163 issued to SM Barac and TT Barac trading as Pialligo Stone Quarry;
5. Acceptance of material at the above facility is subject to the facility's operational requirements; and
6. This approval is valid for 60 days from the date of issue and supersedes all previous approvals issued for this material. A new approval from the Authority must be sought and issued if the material is not removed from site within this time frame.

This should not be taken as a warranty by the Environment Protection Authority or the Territory that the material subject to assessment in the above report is free from contamination or anthropogenic inclusions.

Yours sincerely

Narelle Sargent
Environment Protection Authority

Narelle Sargent | the *Environment Protection Authority*
Office of the Environment Protection Authority (EPA)

Access Canberra | Chief Minister Treasury and Economic Development Directorate | ACT

Phone: 02 6207 5782 | Mobile: Sch 2.2(a)(ii) | Email: narelle.sargent@act.gov.au

470 Northbourne Avenue, Dickson | GPO Box 158 Canberra ACT 2601 | www.act.gov.au/accessCBR



The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry, no matter how small, should be recorded to ensure the integrity of the financial statements. This includes not only sales and purchases but also expenses, income, and any other financial activity.

The second part of the document provides a detailed breakdown of the accounting cycle. It outlines the ten steps involved in the process, from identifying the accounting entity to preparing financial statements. Each step is explained in detail, with examples provided to illustrate the concepts.

The third part of the document focuses on the classification of accounts. It discusses the different types of accounts, such as assets, liabilities, equity, and income, and how they are used to record and summarize financial transactions. It also explains the importance of debits and credits in maintaining the accounting equation.

The fourth part of the document covers the process of journalizing and posting. It describes how transactions are recorded in the journal and then posted to the ledger. It also discusses the importance of double-checking the entries to ensure accuracy.

The fifth part of the document discusses the preparation of financial statements. It explains how the ledger is used to generate the income statement, balance sheet, and statement of owner's equity. It also discusses the importance of reconciling the books to ensure that the financial statements are accurate.

The sixth part of the document covers the closing process. It explains how the temporary accounts are closed to the permanent accounts at the end of the accounting period. It also discusses the importance of preparing a closing entry to complete the accounting cycle.

The seventh part of the document discusses the importance of internal controls. It explains how internal controls can be used to prevent and detect errors and fraud. It also discusses the importance of maintaining proper documentation and record-keeping.

The eighth part of the document covers the use of accounting software. It discusses the benefits of using accounting software, such as increased efficiency and accuracy. It also discusses the importance of choosing the right software for the business.

The ninth part of the document discusses the importance of ethics in accounting. It explains how accountants should adhere to a code of ethics and how this can help to build trust and credibility. It also discusses the importance of transparency and honesty in financial reporting.

The tenth part of the document covers the future of accounting. It discusses the impact of technology on the accounting profession and how accountants can stay up-to-date with the latest developments. It also discusses the importance of continuous learning and professional development.

From: Sch 2.2(a)(ii) @douglaspartners.com.au
Sent: 25/09/2018 11:41 PM
To: "Heckenberg, Mark" <Mark.Heckenberg@act.gov.au>
Subject: FW: Tsoulias & Canma Properties P/L - Caltex Calwell site - 1 Webber Crescent, Calwell
Attachments: Tsoulias - Caltex Calwell site

Mark

Re the referenced GME -7 for March 2018 (deleted from this email as you already have it).

This project seems to be stalling due to a number of factors, some of which are alluded to in the attached email and others which are mentioned in the various GMEs previously forwarded to (GMEs1-6).

In addition due to the lack of apparent progress it seems that resolution of the groundwater issues is some way off and whilst I am happy to complete the draft audit report (see EPA's letter dated 31 August), I am likely to conclude that:

- there is a potential risk of off-site harm occasioned by groundwater contamination (hydrocarbons) leaving the site in a northerly direction [centred on wells M2 and M7, the latter being very close to the site boundary]; and
- the site may require regulation by EPA.

I would be happy to discuss this with you at your convenience.

Note – I have advised the client and the consultant to expedite the next round of monitoring which is overdue and to ensure that any of the soil which is currently stockpiled over the wells is appropriately classified for off-site disposal. I understand from EIS, however, that Coffey are involved with the soil classification but have not been made aware of this situation by the client.

Kind regards.

Sch 2.2(a)(ii) Principal

Douglas Partners Pty Ltd | ABN 75 053 980 117 |

www.douglaspartners.com.au

96 Hermitage Road West Ryde NSW 2114 | PO Box 472 West Ryde NSW 1685

P: 02 9809 0666 | F: 02 9809 4095 | M: Sch 2.2(a)(ii) | E:

Sch 2.2(a)(ii) @douglaspartners.com.au

FINANCIAL REVIEW

CLIENT CHOICE AWARDS 2018

WINNER

beaton



This email is confidential. If you are not the intended recipient, please notify us immediately and be aware that any disclosure, copying, distribution or use of the contents of this information is prohibited. Please note that the company does not make any commitment through email's not confirmed by fax or letter.

From: @groupt.com.au]

Sent: Tuesday, 25 September 2018 5:55 PM

To: contaminatedsites@act.gov.au; Heckenberg, Mark

Cc:

Subject: Tsoulias & Canma Properties P/L - Caltex Calwell site - 1 Webber Crescent, Calwell

Attached please find the report from water samples taken in March 2018 dated 18 July 2018. This report has been audited by Sch 2.2(a)(ii) of Douglass Partners.

Our environmental consultants have not been able to take the next round of water samples as there is a big pile of soil on the service station site from the installation of a puraceptor required by Icon Water and this

soil has covered several monitoring wells. We have run into difficulty removing the the soil, however believe that it will be removed very soon and can then instruct the environmental consultants.

regards



[\[redacted\]@groupt.com.au](mailto:[redacted]@groupt.com.au)

02 6292 8811

PO Box 99, Calwell ACT 2905



works part-time and is usually in the office on a Tuesday to Thursday]

Disclaimer

The information contained in this communication from the sender is confidential. It is intended solely for use by the recipient and others authorized to receive it. If you are not the recipient, you are hereby notified that any disclosure, copying, distribution or taking action in relation of the contents of this information is strictly prohibited and may be unlawful.

This email has been scanned for viruses and malware, and may have been automatically archived by **Mimecast Ltd**, an innovator in Software as a Service (SaaS) for business. Providing a **safer** and **more useful** place for your human generated data. Specializing in; Security, archiving and compliance. To find out more [Click Here](#).

the 1990s, and the 1990s have been a period of rapid change in the way that the world is doing business.

There are a number of factors that have contributed to this change. One of the most important is the rapid growth of the Internet. The Internet has made it possible for businesses to reach a global market in a way that was previously impossible. This has led to a surge in e-commerce, and has also led to a change in the way that businesses are doing business. For example, many businesses are now using the Internet to sell their products and services, and to provide customer support. This has led to a change in the way that businesses are doing business, and has led to a change in the way that customers are doing business.

Another factor that has contributed to this change is the rapid growth of mobile devices. Mobile devices have made it possible for businesses to reach a global market in a way that was previously impossible. This has led to a surge in mobile commerce, and has also led to a change in the way that businesses are doing business. For example, many businesses are now using mobile devices to sell their products and services, and to provide customer support. This has led to a change in the way that businesses are doing business, and has led to a change in the way that customers are doing business.

There are a number of other factors that have contributed to this change. One of the most important is the rapid growth of social media. Social media has made it possible for businesses to reach a global market in a way that was previously impossible. This has led to a surge in social commerce, and has also led to a change in the way that businesses are doing business. For example, many businesses are now using social media to sell their products and services, and to provide customer support. This has led to a change in the way that businesses are doing business, and has led to a change in the way that customers are doing business.

There are a number of other factors that have contributed to this change. One of the most important is the rapid growth of artificial intelligence. Artificial intelligence has made it possible for businesses to reach a global market in a way that was previously impossible. This has led to a surge in artificial intelligence commerce, and has also led to a change in the way that businesses are doing business. For example, many businesses are now using artificial intelligence to sell their products and services, and to provide customer support. This has led to a change in the way that businesses are doing business, and has led to a change in the way that customers are doing business.

There are a number of other factors that have contributed to this change. One of the most important is the rapid growth of blockchain technology. Blockchain technology has made it possible for businesses to reach a global market in a way that was previously impossible. This has led to a surge in blockchain commerce, and has also led to a change in the way that businesses are doing business. For example, many businesses are now using blockchain technology to sell their products and services, and to provide customer support. This has led to a change in the way that businesses are doing business, and has led to a change in the way that customers are doing business.

There are a number of other factors that have contributed to this change. One of the most important is the rapid growth of quantum computing. Quantum computing has made it possible for businesses to reach a global market in a way that was previously impossible. This has led to a surge in quantum computing commerce, and has also led to a change in the way that businesses are doing business. For example, many businesses are now using quantum computing to sell their products and services, and to provide customer support. This has led to a change in the way that businesses are doing business, and has led to a change in the way that customers are doing business.

From: Sch 2.2(a)(ii) @douglaspartners.com.au>
Sent: 03/01/2018 2:26 AM
To: "Para Bokalawela" Sch 2.2(a)(ii) @jkgroup.net.au>
Cc: "Adrian Kingswell" Sch 2.2(a)(ii) @jkgroup.net.au>
Subject: RE: Monitoring Status --- Tsoulias - Calwell Caltex site

Para

Ok – noted thanks.

Sch 2.2(a)(ii) | Principal
Douglas Partners Pty Ltd | ABN 75 053 980 117 |
www.douglaspartners.com.au
96 Hermitage Road West Ryde NSW 2114 | PO Box 472 West
Ryde NSW 1685
P: 02 9809 0666 | F: 02 9809 4095 | M: Sch 2.2(a)(ii) | E:
Sch 2.2(a)(ii)@douglaspartners.com.au



This email is confidential. If you are not the intended recipient, please notify us immediately and be aware that any disclosure, copying, distribution or use of the contents of this information is prohibited. Please note that the company does not make any commitment through emails not confirmed by fax or letter.

From: Para Bokalawela [mailto:Sch 2.2(a)(ii)@jkgroup.net.au]
Sent: Wednesday, 3 January 2018 12:59 PM
To: Sch 2.2(a)(ii)
Cc: Adrian Kingswell
Subject: Monitoring Status --- Tsoulias - Calwell Caltex site

Hi Sch 2.2(a)(ii)

In terms of continued monitoring; we have undertaken the last groundwater monitoring event in December 2017. The report will be issued within next 2 weeks.

Based on the recent data set we are in the opinion that the contamination in the wells decreased significantly and it is likely that we can wrap it up in this year.

We will confirm this in the report.

Regards,

Para Bokalawela
Senior Environmental Engineer

T: +612 9888 5000
F: +612 9888 5001
Sch 2.2(a)(ii)@jkgroup.net.au
www.jkgroup.net.au



ENVIRONMENTAL INVESTIGATION SERVICES
CONSULTING ENVIRONMENTAL ENGINEERS AND
SCIENTISTS
PO Box 976, North Ryde BC NSW 1670
115 Wicks Rd, Macquarie Park NSW 2113

EIS would like to take this opportunity to wish all our clients and suppliers Seasons Greetings and thank you all for contributing to another great year for EIS.
Our office will be closed from 5pm on Friday 22nd December 2017 until 8am on Tuesday 2nd January 2018

This email and any attachments are confidential and may be privileged in which case neither is intended to be waived. If you have received this message in error, please notify us and remove it from your system. It is your responsibility to check any attachments for viruses and defects before opening or sending them on. At the Company's discretion we may send a paper copy for confirmation. In the event of any discrepancy between paper and electronic versions the paper version is to take precedence.

From: Sch 2.2(a)(ii) [redacted]@douglaspartners.com.au]
Sent: Wednesday, 3 January 2018 12:32 PM
To: Para Bokalawela Sch 2.2(a)(ii) [redacted]@jkgroup.net.au>
Cc: Adrian Kingswell Sch 2.2(a)(ii) [redacted]@jkgroup.net.au>
Subject: FW: water introduced into the aquifer --- Tsoulis - Calwell Caltex site

Para

Can you give me an update on where we are at with this site in terms of continued monitoring?

In addition following the discussions below and can you please advise when the project is likely to be wrapped up such that the provisions/requirements of the ACT Gov Notice of Decision dated 1 October 2014 can be finally discharged, in particular condition A2 in relation to off-site migration?

Cheers.

Sch 2.2(a)(ii) Principal
Douglas Partners Pty Ltd | ABN 75 053 980 117 |
www.douglaspartners.com.au
96 Hermitage Road West Ryde NSW 2114 | PO Box 472 West
Ryde NSW 1685
P: 02 9809 0666 | F: 02 9809 4095 | M: Sch 2.2(a)(ii) E:
Sch 2.2(a)(ii) [redacted]@douglaspartners.com.au



This email is confidential. If you are not the intended recipient, please notify us immediately and be aware that any disclosure, copying, distribution or use of the contents of this information is prohibited. Please note that the company does not make any commitment through emails not confirmed by fax or letter.

From: Sch 2.2(a)(ii) [redacted]
Sent: Tuesday, 17 October 2017 4:21 PM
To: 'Para Bokalawela'
Subject: RE: water introduced into the aquifer --- Tsoulis - Calwell Caltex site

Para

I would suggest that before proceeding you consider whether this process is likely to flush out contaminants in a down gradient direction at a rate more rapid than experienced hitherto and if so what effect this may have on down gradient land users.

Sch 2.2(a)(ii) Principal

Douglas Partners Pty Ltd | ABN 75 053 980 117 |

www.douglaspartners.com.au

96 Hermitage Road West Ryde NSW 2114 | PO Box

472 West Ryde NSW 1685

P: 02 9809 0666 | F: 02 9809 4095 | M: Sch 2.2(a)(ii)

| E: Sch 2.2(a)(ii) [@douglaspartners.com.au](mailto:Sch 2.2(a)(ii)@douglaspartners.com.au)

FINANCIAL REVIEW

CLIENT CHOICE AWARDS 2017

WINNER

beaton



This email is confidential. If you are not the intended recipient, please notify us immediately and be aware that any disclosure, copying, distribution or use of the contents of this information is prohibited. Please note that the company does not make any commitment through emails not confirmed by fax or letter.

From: Para Bokalawela [[mailto:Sch 2.2\(a\)\(ii\)@jkgroup.net.au](mailto:Sch 2.2(a)(ii)@jkgroup.net.au)]

Sent: Tuesday, 17 October 2017 3:43 PM

To:

Cc:

Subject: water introduced into the aquifer --- Tsoulis - Calwell Caltex site

Hi Amanda / Con,

EIS do not foresee any negative impacts resulting from your intended procedure as long as the following conditions were met:

- The water introduced into the aquifer via the tank-farm is not contaminated; and
- The introduction of water into the tank farm does not result in any damage to the UPSS (you should check with the installation engineer before undertaking the work).

It is advisable to check the water levels in the downgradient wells prior to introducing potable water and re-check daily.

Regards,

Para Bokalawela

Senior Environmental Engineer

T: +612 9888 5000

F: +612 9888 5001

Sch 2.2(a)(ii) [@jkgroup.net.au](mailto:Sch 2.2(a)(ii)@jkgroup.net.au)

www.jkgroup.net.au



ENVIRONMENTAL INVESTIGATION SERVICES

CONSULTING ENVIRONMENTAL ENGINEERS AND
SCIENTISTS

PO Box 976, North Ryde BC NSW 1670

115 Wicks Rd, Macquarie Park NSW 2113

This email and any attachments are confidential and may be privileged in which case neither is intended to be waived. If you have received this message in error, please notify us and remove it from your system. It is your responsibility to check any attachments for viruses and defects before opening or sending

them on. At the Company's discretion we may send a paper copy for confirmation. In the event of any discrepancy between paper and electronic versions the paper version is to take precedence.

From: GroupT - Amanda [mailto:[Sch 2.2\(a\)\(i\)@group.com.au](mailto:Sch 2.2(a)(i)@group.com.au)]
Sent: Tuesday, 17 October 2017 2:38 PM
To: Para Bokalawela [mailto:[Sch 2.2\(a\)\(ii\)@lkgroup.net.au](mailto:Sch 2.2(a)(ii)@lkgroup.net.au)]
Cc: [mailto:[Sch 2.2\(a\)\(iii\)@douglaspartners.com.au](mailto:Sch 2.2(a)(iii)@douglaspartners.com.au)]; Con Tsoulias [mailto:[Sch 2.2\(a\)\(iv\)@tsoulias.com](mailto:Sch 2.2(a)(iv)@tsoulias.com)]; Arthur Tsoulias [mailto:[Sch 2.2\(a\)\(v\)@group.com.au](mailto:Sch 2.2(a)(v)@group.com.au)]
Subject: Tsoulias - Calwell Caltex site

Hi Para

I refer to Con Tsoulias' telephone conversation with you today about putting 5,000 or 10,000 L or more of portable water into the tank farm site.

Con advises that the tank farm is solid rock and acts like a bath and when the water fills up it overflows, then flushing down through the bore holes. However it has not rained in Canberra for several months.

Last week Con inspected the water in bore hole MW02, 05 & 07. MW02 came out clean with nil odour or taste, so he is thinking that very gradually the plume is moving. He wants to put portable water into the tank farm to have it spill over and move the plume through the bore holes.

Con would want to put the portable water in very soon, so that it did not effect the reading being done by you in December.

Let us know if this is possible.

regards

Amanda

Amanda Flack
Office Manager
[Sch 2.2\(a\)\(vi\)@group.com.au](mailto:Sch 2.2(a)(vi)@group.com.au)
02 6292 8811
PO Box 99, Calwell ACT 2905

[Amanda works part-time and is usually in the office on a Tuesday to Thursday]

This email has been scanned for email related threats and delivered safely by Mimecast.
For more information please visit <http://www.mimecast.com>

Disclaimer

The information contained in this communication from the sender is confidential. It is intended solely for use by the recipient and others authorized to receive it. If you are not the recipient, you are hereby notified that any disclosure, copying, distribution or taking action in relation of the contents of this information is strictly prohibited and may be unlawful.

This email has been scanned for viruses and malware, and may have been automatically archived by **Mimecast Ltd**, an

innovator in Software as a Service (SaaS) for business. Providing a **safer** and **more useful** place for your human generated data. Specializing in; Security, archiving and compliance. To find out more [Click Here](#).

This email has been scanned for email related threats and delivered safely by Mimecast.
For more information please visit <http://www.mimecast.com>

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry, no matter how small, should be recorded to ensure the integrity of the financial data. This includes not only sales and purchases but also expenses, income, and any other financial activities.

The second part of the document provides a detailed breakdown of the accounting process. It outlines the steps involved in recording transactions, from identifying the event to posting it to the appropriate ledger accounts. It also discusses the importance of double-entry bookkeeping and how it helps in maintaining the balance of the books.

The third part of the document focuses on the preparation of financial statements. It explains how the data from the ledger accounts is used to create the balance sheet, income statement, and statement of cash flows. It also discusses the importance of these statements in providing a clear picture of the company's financial health.

The fourth part of the document discusses the role of the accountant in the business. It highlights the importance of the accountant in providing accurate financial information to management and other stakeholders. It also discusses the ethical responsibilities of the accountant and the importance of maintaining confidentiality.

The fifth part of the document discusses the use of technology in accounting. It explains how software applications have revolutionized the accounting process, making it more efficient and accurate. It also discusses the importance of staying up-to-date with the latest technological advancements in the field.

The sixth part of the document discusses the future of accounting. It explores the potential of artificial intelligence and automation in the accounting profession. It also discusses the importance of continuous learning and professional development for accountants.

The seventh part of the document discusses the importance of communication in accounting. It explains how accountants must be able to communicate effectively with clients, management, and other stakeholders. It also discusses the importance of providing clear and concise financial reports.

The eighth part of the document discusses the importance of ethics in accounting. It explains how accountants must adhere to a strict code of ethics to maintain the trust of their clients and the public. It also discusses the consequences of unethical behavior in the accounting profession.

The ninth part of the document discusses the importance of teamwork in accounting. It explains how accountants must work closely with other professionals, such as lawyers and tax advisors, to provide comprehensive financial services. It also discusses the importance of collaboration and communication in a team environment.

The tenth part of the document discusses the importance of customer service in accounting. It explains how accountants must provide excellent customer service to their clients, ensuring that their needs are met and their questions are answered. It also discusses the importance of building strong relationships with clients.

The eleventh part of the document discusses the importance of staying organized in accounting. It explains how accountants must maintain accurate records and stay on top of their work to ensure the accuracy of their financial reports. It also discusses the importance of time management and prioritization.

The twelfth part of the document discusses the importance of staying up-to-date in accounting. It explains how accountants must stay current on the latest accounting standards, regulations, and tax laws. It also discusses the importance of continuing education and professional development.

The thirteenth part of the document discusses the importance of staying motivated in accounting. It explains how accountants must stay motivated and committed to their work, even in the face of challenges and setbacks. It also discusses the importance of setting goals and staying focused.

The fourteenth part of the document discusses the importance of staying professional in accounting. It explains how accountants must maintain a high level of professionalism in all of their interactions. It also discusses the importance of dress, conduct, and communication.

The fifteenth part of the document discusses the importance of staying calm in accounting. It explains how accountants must remain calm and composed, even in the face of pressure and stress. It also discusses the importance of stress management and self-care.

The sixteenth part of the document discusses the importance of staying positive in accounting. It explains how accountants must maintain a positive attitude and outlook, even in the face of challenges. It also discusses the importance of optimism and resilience.

The seventeenth part of the document discusses the importance of staying curious in accounting. It explains how accountants must stay curious and open-minded, always seeking to learn and improve. It also discusses the importance of asking questions and seeking feedback.

The eighteenth part of the document discusses the importance of staying focused in accounting. It explains how accountants must stay focused on their work and avoid distractions. It also discusses the importance of time management and prioritization.

The nineteenth part of the document discusses the importance of staying organized in accounting. It explains how accountants must stay organized and keep their work areas clean and clutter-free. It also discusses the importance of using tools and techniques to stay organized.

The twentieth part of the document discusses the importance of staying up-to-date in accounting. It explains how accountants must stay current on the latest accounting standards, regulations, and tax laws. It also discusses the importance of continuing education and professional development.

From: "Carbone, Michael" [Sch 2.2(a)(ii)]@coffey.com>
Sent: 01/11/2018 2:44 AM
To: "Contaminated Sites" <ContaminatedSites@act.gov.au>
Subject: RE: BRU Approval No 201853 – Stockpiled Material from Block 8 Section 787 Calwell
Attachments: 754-CBREN218543-L04_PSQ.pdf, 754-CBREN218543_L04_Cover Letter.pdf

Hello

In relation to this BRU approval provided below, the client has requested that EPA consider the BRU soils be transported to Pialligo Stone Quarry(PSQ)

We have revised the BRU report to reflect this destination and have included the acceptance letter from PSQ

If you have any questions please let me know.

Regards,

Michael Carbone
Senior Associate Environmental Scientist

t: +61 2 6124 5600

m: [Sch 2.2(a)(ii)]

From: Sargent, Narelle [mailto:Narelle.Sargent@act.gov.au]
Sent: Wednesday, 26 September 2018 12:14 PM
To: Xu, Terry [Sch 2.2(a)(ii)]@coffey.com>
Cc: Abbott, Dinesh [Sch 2.2(a)(ii)]@act.gov.au; [Sch 2.2(a)(ii)]@douglaspartners.com.au; Heckenberg, Mark <Mark.Heckenberg@act.gov.au>
Subject: BRU Approval No 201853 – Stockpiled Material from Block 8 Section 787 Calwell

Dear Mr Xu

The Environment Protection Authority (the Authority) has reviewed the report titled "Beneficial re-use classification – Stockpiled soil at Calwell Service Station, ACT (Block 8, Section 787, Calwell)" dated 25 September 2018 by Coffey Services Australia Pty Ltd and supports the beneficial reuse of up to 250 cubic metres of stockpiled material from Block 8 Section 787 Calwell (the Site), as assessed in the above report, within the West Belconnen Resource Management Centre, located at Block 1586 Belconnen, subject to the following conditions:

1. This approval only applies to the material identified and assessed in the above report. No other material from the Site is to be removed under this approval (**BRU Approval No 201853**);
2. Separate approval must be sought if the material is to be reused or disposed to any other site;
3. All material from the site subject to this approval must be screened at the time of removal for visual and olfactory signs of contamination. If signs of contamination are detected the impacted material must be stockpiled on-site and assessed by a suitably qualified environmental consultant for off-site disposal. All potentially impacted material must remain on-site until approval is given by the Authority for off-site disposal;
4. The placement of material within the West Belconnen Resource Management Centre (Block 1586 Belconnen) must be in accordance with the requirements of the conditions of the Environmental Authorisation (No. 0374) issued to **ACT NOWaste** for the site;
5. Acceptance of material at the above facility is subject to its operational requirements; and
6. This approval is valid for 60 days from the date of issue.

This should not be taken as a warranty by the Environment Protection Authority or the Territory that the material subject to assessment in the above report is free from contamination or anthropogenic inclusions.

Yours sincerely

Narelle Sargent
Environment Protection Authority

Narelle Sargent | Deputy Director Environment Protection (*Environment Protection Authority*)

Phone: 02 6207 5782 | Mobile [REDACTED] | Email: narelle.sargent@act.gov.au

Access Canberra | Chief Minister Treasury and Economic Development Directorate | ACT

470 Northbourne Avenue, Dickson | GPO Box 158 Canberra ACT 2601 | www.act.gov.au/accessCBR



This email, and any attachments, may be confidential and also privileged. If you are not the intended recipient, please notify the sender and delete all copies of this transmission along with any attachments immediately. You should not copy or use it for any purpose, nor disclose its contents to any other person.



Figure1: Site location plan

1.1. Background

The soil was excavated from the northern portion of the site, from the south-eastern corner of the service centre building, along with a trench connecting two sump points in the central and western portion of the site. The soil was excavated for the purpose of installing a new stormwater interception management system for the Caltex branded service station site. Coffey was informed anecdotally by DFGP that the excavation works (and subsequent stockpiles soils) were in parts of the site that had not previously contained any other infrastructure or had past excavations. No information was provided regarding prior environmental investigations at the site.

1.2. Objective

The objective of the assessment was to provide a stockpile beneficial re-use (BRU) assessment of the stockpiled soil excavated from the new stormwater system installation area of the Calwell Service Station. The BRU soils are proposed to be sent to the Pialligo Stone Quarry (PSQ). PSQ will accept the volume of 250m³ of stockpiled materials classified as BRU soil to be sent from Calwell Service Station for off-site disposal subject to ACT EPA approval (attachment C).

2. Site information

2.1. Site identification

The site identification information and surrounding land uses are summarised in Table 1. The site locality and site layout are shown in Figure 1. The site is an irregular shaped parcel of land currently operating as the Caltex branded service station. The site comprises the service zone at corner of Were Street and Webber Street, Calwell, ACT.

Table 1. Summary of site identification, ownership and use information

Street Address	corner of Were Street and Webber Street, Calwell, ACT 2905	
Title Identifiers	The site investigation area lies across the following title identifier: • Block 8, Section 787	
District/Division Name	Calwell	
Area	Approximately 4,252m ²	
Current Zoning	CZ3 – Services Zone	
Current Site Use	Caltex branded Service Station	
Proposed Site Use	Continue use as Caltex Service Station.	
Current Owners	Constantine Tsoulias and Carma Properties Pty Ltd (Tsoulias Group)	
Surrounding Land Use	North	Calwell Club adjacent to the service station
	South	Webber Street with commercial and medium density residential buildings beyond
	East	Car park, access road with Calwell shopping centre beyond
	West	Were Street with medium density residential buildings beyond

2.2. Topography and hydrology

The site surface is generally flat with the surrounding land sloping gently towards the north. The surface of the site is covered by concrete hard-standing.

The topographic information provided by ACTMAPi 2018 indicates that surface runoff is expected to flow towards the north east. The nearest surface water feature is the Isabella Pond located approximately 2.8km to the north west of the site.

2.3. Local geology

The 1:10,000 Geological Map of Central Canberra indicates that the site may be defined by two zones. The approximate boundary between the two zones runs in a north-west to south-east direction.

To the west of this boundary line, the map infers the site is underlain by shallow alluvium characterised by gravel, sand, silty clay and black organic clay.

To the east of this boundary line, the map suggests shallow rhyodacitic ignimbrite, minor volcanoclastic and argillaceous sediments.

6.1. Quality assurance / quality control

In order to validate the accuracy and validity of primary soil sampling results, a range of field and laboratory quality control (QC) samples were collected and assessed during the investigation, which summarised in Table 2, and 3 in Attachment A.

A review of trip blank indicated samples were below the laboratory LOR. A review of the rinsate results indicated that the analytes were within the control limits, except TRH C₁₆-C₃₄, and C₃₄-C₄₀ were slightly above the laboratory LOR of 0.1mg/L as C₁₆-C₃₄ of 0.7mg/L, and C₃₄-C₄₀ of 0.3mg/L. TPH C₁₅-C₂₈, and C₂₉-C₃₆ were also detected above the control limit (max 143%). A review of the soil dataset indicated that all soil samples returned TRH, and TPH concentrations below the adopted assessment criteria during the period of soil sampling on the 17th May 2018, as such the elevated TRH, and TPH concentration recorded in the rinsate from the laboratory analysis does not appear to have significant affected the soil dataset.

Relative percentage differences (RPDs) exceeding the upper control limits were not recorded in the soil duplicate/triplicate pairs. Although there were a number of different values between primary duplicate and triplicate pair results. These generally were for metals which being of a particulate nature may not always have an even distribution with soil matrix, in addition large RPDs are common when assessing difference between small analyte concentrations which is present with the results considered in this assessment. Therefore Coffey did not consider that as RPD exceedance affected the usability of the data

6.2. Comparison to screening criteria

6.2.1. Beneficial re-use classification

Table 1 (in Attachment A) presents a summary of the analytical results compared to the adopted beneficial re-use assessment criteria discussed above in Section 5.

The assessment indicated all samples collected from the stockpiled soil have analytical results below the adopted criteria for commercial / industrial beneficial re-use.

Therefore, on review of the stockpiled soil assessment result, Coffey consider that the stockpiled soil material would be suitable to disposal and beneficial re-use at PSQ based on a commercial land use. The re-use will be subject to ACT EPA endorsement. PSQ has provided an acceptance email dated 24 September 2018 for the stockpiled material (250m³) to be taken if classified for beneficial re-use. A copy of this email is provided in Attachment C.

7. Closing

We draw your attention to the attached sheets titled “Important Information about your Coffey Environmental Report” which should be read in conjunction with this letter.

If you have any further questions, please do not hesitate to contact the undersigned.

For and on behalf of Coffey

Michael Carbone
Senior Associate Environmental Consultant

Attachments

Important information about your Coffey environmental report.

Attachment A Tables

Attachment B Laboratory certificates of analysis and chain of custody documentation

Attachment C BRU soils acceptance email from PSQ

Attachment D BRU soils assessment request email

Table 3
Rinsate Trip Blank
754-CBREN218543_L03



				Field_ID	QC2	QC3
				LocCode	QC2	QC3
				WellCode		
				Sampled_Date-Time	17/05/2018	17/05/2018
Method_Type	ChemName	Units	EQL	Rinsate	Trip Blank	
F1-BTEX	C6-C10 less BTEX (F1)	mg/L	0.02	-	<0.02	
TRH	Naphthalene	µg/L	10	<10	<10	
	>C10-C16 less Naphthalene	mg/L	0.05	<0.05	-	
	C6 - C9	µg/L	20	<20	<20	
	C6-C10 less BTEX (F1)	mg/L	0.02	<0.02	-	
	>C10-C16	mg/L	0.05	<0.05	-	
	>C16-C34	mg/L	0.1	0.7	-	
	>C34-C40	mg/L	0.1	0.3	-	
	C6 - C10	mg/L	0.02	<0.02	<0.02	
PAH	Acenaphthene	µg/L	1	<1	-	
	Acenaphthylene	µg/L	1	<1	-	
	Anthracene	µg/L	1	<1	-	
	Benzo(a)anthracene	µg/L	1	<1	-	
	Benzo(a)pyrene	µg/L	1	<1	-	
	Benzo(g,h,i)perylene	µg/L	1	<1	-	
	Benzo(k)fluoranthene	µg/L	1	<1	-	
	Chrysene	µg/L	1	<1	-	
	Benzo[b+j]fluoranthene	mg/L	0.001	<0.001	-	
	Dibenz(a,h)anthracene	µg/L	1	<1	-	
	Fluoranthene	µg/L	1	<2	-	
	Fluorene	µg/L	1	<1	-	
	Indeno(1,2,3-c,d)pyrene	µg/L	1	<1	-	
	Naphthalene	µg/L	1	<1	-	
	Phenanthrene	µg/L	1	<1	-	
	Pyrene	µg/L	1	<2	-	
Total PAHs	µg/L	1	<2	-		
TPH	C10 - C14	µg/L	50	<50	-	
	C15 - C28	µg/L	100	200	-	
	C29 - C36	µg/L	100	600	-	
	C10 - C36 (Sum of total)	µg/L	100	800	-	
Volatile	Benzene	µg/L	1	<1	<1	
	Ethylbenzene	µg/L	1	<1	<1	
	Toluene	µg/L	1	<1	<1	
	Xylene (m & p)	µg/L	2	<2	<2	
	Xylene (o)	µg/L	1	<1	<1	
	Xylene Total	µg/L	3	<3	<3	

Notes:

vs = Stockpiled Soil sample

- = analysis not requested

LOD = limit of reporting

NL = non limiting

Indicates concentration reported above the laboratory LOD

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



Consigning Office: Fyshnick
 Report Results to: Michael Carbone Mobile: Sch 2.2(a)(ii) Email: Sch 2.2(a)(ii) @coffey.com
 Invoices to: Phone: Email: @coffey.com

Project No: CBREN218543 Task No: Stodepits valid (LABORATORY)
 Project Name: Cathell Catter Laboratory: Eurofins -MGT
 Sampler's Name: TX Project Manager: MC
 Special Instructions:

Analysis Request Section

Lab No.	Sample ID	Sample Date	Time	Matrix (Soil...etc)	Container Type & Preservative*	T-A-T (specify)	Analysis Request Section										NOTES
	VS 1	11.05	AM	Soil	Can	STD	B7 - TBM/BTEX / PAH / SM B8 - TBM / BTEX / PAH B9 - TBM / BTEX TBM/C - ClO / BTEX PT.										QCLIA forwards to ALS
	VS 2																
	VS 3																
	VS 4																
	VS 5																
	VS 6																
	VS 7																
	VS 8																
	VS 9																
	VS 10																
	VS 11																
	VS 12																
	QC 1																
	QC 1A																
	QC 2			Water	IP, 2V, 2G												
	QC 3			Water	2V												

RELINQUISHED BY Name: <u>m-c / TX</u> Date: <u>→</u> Coffey Environments Time:		RECEIVED BY Name: <u>LONG</u> Date: <u>11/5</u> Company: <u>EUROMGH</u> Time: <u>4.48pm</u>		Sample Receipt Advice: (Lab Use Only)
Name: Date: <u>→</u> Company: Time:		Name: Date: Company: Time:		All Samples Received in Good Condition <input type="checkbox"/> All Documentation is in Proper Order <input type="checkbox"/> Samples Received Properly Chilled <input type="checkbox"/> Lab. Ref/Batch No. <u>#509557</u>

GOWANS PRINTING (02) 9755 3545

*Container Type & Preservation Codes: P - Plastic, G - Glass Bottle, J - Glass Jar, V - Vial, Z - Ziplock Bag, N - Nitric Acid Preserved, C - Hydrochloric Acid Preserved, S - Sulphuric Acid Preserved, I - Ice, ST - Sodium Thiosulfate, NP - No Preservative, OP - Other Preservative

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



Consigning Office: Fyshwick
 Report Results to: Michael Carbone Mobile: Sch 2.2(a)(ii) Email: Sch 2.2(a)(ii) @coffey.com
 Invoices to: _____ Phone: _____ Email: _____ @coffey.com

Project No: CR15N218543 Task No: Stackpole Laird (LABORATORY)
 Project Name: Calwell Caltex Laboratory: ALS
 Sampler's Name: TX Project Manager: MC
 Special Instructions: _____

Analysis Request Section

Lab No.	Sample ID	Sample Date	Time	Matrix (Soil...etc)	Container Type & Preservative*	T-A-T (specify)	NOTES
	<u>QCL2</u>	<u>17.05</u>	<u>AM</u>	<u>Soil</u>	<u>Tar</u>	<u>STD</u>	<div style="border: 1px solid black; padding: 5px; transform: rotate(-45deg); display: inline-block;"> TPH, BTEX, PAHs Metals (As, Cd, Cr, Cu, Ni, Pb, Zn, Hg) </div>

RELINQUISHED BY Name: <u>MCITX</u> Date: _____ Coffey Environments Time: _____	RECEIVED BY Name: <u>Ulan G</u> Date: <u>18/5</u> Company: <u>ERM</u> Time: <u>4:48pm</u>	Sample Receipt Advice: (Lab Use Only) All Samples Received in Good Condition <input type="checkbox"/> All Documentation is in Proper Order <input type="checkbox"/> Samples Received Properly Chilled <input type="checkbox"/> Lab. Ref/Batch No. _____
Name: _____ Date: _____ Company: _____ Time: _____	Name: _____ Date: _____ Company: _____ Time: _____	

*Container Type & Preservation Codes: P - Plastic, G - Glass Bottle, J - Glass Jar, V - Vial, Z - Ziplock Bag, N - Nitric Acid Preserved, C - Hydrochloric Acid Preserved, S - Sulphuric Acid Preserved, I - Ice, ST - Sodium Thiosulfate, NP - No Preservative, OP - Other Preservative

GOWANS PRINTING (02) 9756 3545

Sample Receipt Advice

Company name: **Coffey Environments Pty Ltd ACT**
 Contact name: **Michael Carbone**
 Project name: **CALWELL CALTEX**
 Project ID: **CBREN218546**
 COC number: **Not provided**
 Turn around time: **5 Day**
 Date/Time received: **May 18, 2018 4:48 PM**
 Eurofins | mgt reference: **599557**

Sample information

- A detailed list of analytes logged into our LIMS, is included in the attached summary table.
- Sample Temperature of a random sample selected from the batch as recorded by Eurofins | mgt Sample Receipt : 4.3 degrees Celsius.
- All samples have been received as described on the above COC.
- COC has been completed correctly.
- Attempt to chill was evident.
- Appropriately preserved sample containers have been used.
- All samples were received in good condition.
- Samples have been provided with adequate time to commence analysis in accordance with the relevant holding times.
- Appropriate sample containers have been used.
- Sample containers for volatile analysis received with zero headspace.
- Split sample sent to requested external lab.
- Some samples have been subcontracted.

Notes N/A Custody Seals intact (if used).

QC1A Forwarded to ALS for analysis.

Contact notes

If you have any questions with respect to these samples please contact:

Mary Makarios on Phone : +61 3 8564 5000 or by e mail: MaryMakarios@eurofins.com

Results will be delivered electronically via e mail to Michael Carbone - Michael.Carbone@coffey.com.

Company Name: Coffey Environments Pty Ltd ACT	Order No.:	Received: May 18, 2018 4:48 PM
Address: 16 Mildura Street Fyshwick ACT 2609	Report #: 599557	Due: May 25, 2018
Project Name: CALWELL CALTEX	Phone: +61 2 6124 5600	Priority: 5 Day
Project ID: CBREN218546	Fax: +61 2 6260 7211	Contact Name: Michael Carbone

Eurofins | mgt Analytical Services Manager : Mary Makarios

Sample Detail						HOLD	pH (1:5 Aqueous extract at 25°C as rec.)	Moisture Set	Eurofins mgt Suite B7	Eurofins mgt Suite B1	Eurofins mgt Suite B4	BTEXN and Volatile TRH
Melbourne Laboratory - NATA Site # 1254 & 14271												
Sydney Laboratory - NATA Site # 18217						X	X	X	X	X	X	X
Brisbane Laboratory - NATA Site # 20794												
Perth Laboratory - NATA Site # 23736												
External Laboratory												
No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID							
1	VS1	May 17, 2018		Soil	S18-My28553			X			X	
2	VS3	May 17, 2018		Soil	S18-My28554			X	X			
3	VS4	May 17, 2018		Soil	S18-My28555			X			X	
4	VS5	May 17, 2018		Soil	S18-My28556		X	X		X		
5	VS6	May 17, 2018		Soil	S18-My28557		X	X		X		
6	VS7	May 17, 2018		Soil	S18-My28558			X			X	
7	VS8	May 17, 2018		Soil	S18-My28559			X	X			
8	VS9	May 17, 2018		Soil	S18-My28560			X			X	
9	VS11	May 17, 2018		Soil	S18-My28561			X	X			

Company Name: Coffey Environments Pty Ltd ACT	Order No.:	Received: May 18, 2018 4:48 PM
Address: 16 Mildura Street Fyshwick ACT 2609	Report #: 599557	Due: May 25, 2018
Project Name: CALWELL CALTEX	Phone: +61 2 6124 5600	Priority: 5 Day
Project ID: CBREN218546	Fax: +61 2 6260 7211	Contact Name: Michael Carbone

Eurofins | mgt Analytical Services Manager : Mary Makarios

Sample Detail						HOLD	pH (1:5 Aqueous extract at 25°C as rec.)	Moisture Set	Eurofins mgt Suite B7	Eurofins mgt Suite B1	Eurofins mgt Suite B4	Eurofins mgt Suite B4	BTEXN and Volatile TRH
Melbourne Laboratory - NATA Site # 1254 & 14271													
Sydney Laboratory - NATA Site # 18217						X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA Site # 20794													
Perth Laboratory - NATA Site # 23736													
10	QC1	May 17, 2018		Soil	S18-My28562			X	X				
11	QC2	May 17, 2018		Water	S18-My28563						X		
12	QC3	May 17, 2018		Water	S18-My28564							X	
13	VS2	May 17, 2018		Soil	S18-My28565	X							
14	VS10	May 17, 2018		Soil	S18-My28566	X							
15	VS12	May 17, 2018		Soil	S18-My28567	X							
Test Counts						3	2	10	4	2	5	1	

Company Name: Coffey Environments Pty Ltd ACT	Order No.:	Received: May 18, 2018 4:48 PM
Address: 16 Mildura Street Fyshwick ACT 2609	Report #: 599557	Due: May 25, 2018
Project Name: CALWELL CALTEX	Phone: +61 2 6124 5600	Priority: 5 Day
Project ID: CBREN218546	Fax: +61 2 6260 7211	Contact Name: Michael Carbone

Eurofins | mgt Analytical Services Manager : Mary Makarios

Sample Detail						HOLD	pH (1:5 Aqueous extract at 25°C as rec.)	Moisture Set	Eurofins mgt Suite B7	Eurofins mgt Suite B1	Eurofins mgt Suite B4	BTEXN and Volatile TRH
Melbourne Laboratory - NATA Site # 1254 & 14271												
Sydney Laboratory - NATA Site # 18217						X	X	X	X	X	X	X
Brisbane Laboratory - NATA Site # 20794												
Perth Laboratory - NATA Site # 23736												
External Laboratory												
No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID							
1	VS1	May 17, 2018		Soil	S18-My28553			X			X	
2	VS3	May 17, 2018		Soil	S18-My28554			X	X			
3	VS4	May 17, 2018		Soil	S18-My28555			X			X	
4	VS5	May 17, 2018		Soil	S18-My28556		X	X		X		
5	VS6	May 17, 2018		Soil	S18-My28557		X	X		X		
6	VS7	May 17, 2018		Soil	S18-My28558			X			X	
7	VS8	May 17, 2018		Soil	S18-My28559			X	X			
8	VS9	May 17, 2018		Soil	S18-My28560			X			X	
9	VS11	May 17, 2018		Soil	S18-My28561			X	X			

Company Name: Coffey Environments Pty Ltd ACT	Order No.:	Received: May 18, 2018 4:48 PM
Address: 16 Mildura Street Fyshwick ACT 2609	Report #: 599557	Due: May 25, 2018
Project Name: CALWELL CALTEX	Phone: +61 2 6124 5600	Priority: 5 Day
Project ID: CBREN218546	Fax: +61 2 6260 7211	Contact Name: Michael Carbone

Eurofins | mgt Analytical Services Manager : Mary Makarios

Sample Detail						HOLD	pH (1:5 Aqueous extract at 25°C as rec.)	Moisture Set	Eurofins mgt Suite B7	Eurofins mgt Suite B1	Eurofins mgt Suite B4	BTEXN and Volatile TRH
Melbourne Laboratory - NATA Site # 1254 & 14271												
Sydney Laboratory - NATA Site # 18217						X	X	X	X	X	X	X
Brisbane Laboratory - NATA Site # 20794												
Perth Laboratory - NATA Site # 23736												
10	QC1	May 17, 2018		Soil	S18-My28562			X	X			
11	QC2	May 17, 2018		Water	S18-My28563					X		
12	QC3	May 17, 2018		Water	S18-My28564						X	
13	VS2	May 17, 2018		Soil	S18-My28565	X						
14	VS10	May 17, 2018		Soil	S18-My28566	X						
15	VS12	May 17, 2018		Soil	S18-My28567	X						
Test Counts						3	2	10	4	2	5	1

t: +61 2 6124 5637
m: Sch 2.2(a)(ii)



Click [here](#) to report this email as spam.

ScannedByWebsenseForEurofins

* WARNING - EXTERNAL: This email originated from outside of Eurofins. Do not click any links or open any attachments unless you trust the sender and know that the content is safe!

Sample Receipt Advice

Company name: **Coffey Environments Pty Ltd ACT**
Contact name: **Michael Carbone**
Project name: **ADDITIONAL - CALWELL CALTEX**
Project ID: **CBREN218546**
COC number: **Not provided**
Turn around time: **Same day**
Date/Time received: **May 31, 2018 5:44 PM**
Eurofins | mgt reference: **600997**

Sample information

- A detailed list of analytes logged into our LIMS, is included in the attached summary table.
- Sample Temperature of a random sample selected from the batch as recorded by Eurofins | mgt Sample Receipt : 4.3 degrees Celsius.
- All samples have been received as described on the above COC.
- COC has been completed correctly.
- Attempt to chill was evident.
- Appropriately preserved sample containers have been used.
- All samples were received in good condition.
- Samples have been provided with adequate time to commence analysis in accordance with the relevant holding times.
- Appropriate sample containers have been used.
- Split sample sent to requested external lab.
- Some samples have been subcontracted.
- N/A Custody Seals intact (if used).

Contact notes

If you have any questions with respect to these samples please contact:

Mary Makarios on Phone : +61 3 8564 5000 or by e.mail: MaryMakarios@eurofins.com

Results will be delivered electronically via e mail to Michael Carbone - Michael.Carbone@coffey.com.

Company Name: Coffey Environments Pty Ltd ACT	Order No.:	Received: May 31, 2018 5:44 PM
Address: 16 Mildura Street	Report #: 600997	Due: Jun 1, 2018
Fyshwick	Phone: +61 2 6124 5600	Priority: Same day
ACT 2609	Fax: +61 2 6260 7211	Contact Name: Michael Carbone
Project Name: ADDITIONAL - CALWELL CALTEX		
Project ID: CBREN218546		

Eurofins | mgt Analytical Services Manager : Mary Makarios

Sample Detail						Moisture Set	Eurofins mgt Suite B7
Melbourne Laboratory - NATA Site # 1254 & 14271							
Sydney Laboratory - NATA Site # 18217						X	X
Brisbane Laboratory - NATA Site # 20794							
Perth Laboratory - NATA Site # 23736							
External Laboratory							
No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID		
1	VS12	May 17, 2018		Soil	S18-My40112	X	X
Test Counts						1	1

Company Name:	Coffey Environments Pty Ltd ACT	Order No.:		Received:	May 31, 2018 5:44 PM
Address:	16 Mildura Street Fyshwick ACT 2609	Report #:	600997	Due:	Jun 1, 2018
Project Name:	ADDITIONAL - CALWELL CALTEX	Phone:	+61 2 6124 5600	Priority:	Same day
Project ID:	CBREN218546	Fax:	+61 2 6260 7211	Contact Name:	Michael Carbone

Eurofins | mgt Analytical Services Manager : Mary Makarios

Sample Detail						Moisture Set	Eurofins mgt Suite B7
Melbourne Laboratory - NATA Site # 1254 & 14271							
Sydney Laboratory - NATA Site # 18217						X	X
Brisbane Laboratory - NATA Site # 20794							
Perth Laboratory - NATA Site # 23736							
External Laboratory							
No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID		
1	VS12	May 17, 2018		Soil	S18-My40112	X	X
Test Counts						1	1



Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)		Client sample ID			QC1a	----	----	----	----
Client sampling date / time		17-May-2018 00:00			----	----	----	----	----
Compound	CAS Number	LOR	Unit	ES1814970-001	-----	-----	-----	-----	-----
				Result	---	---	---	---	---
EP080/071: Total Petroleum Hydrocarbons - Continued									
C10 - C14 Fraction	----	50	mg/kg	<50	----	----	----	----	----
C15 - C28 Fraction	----	100	mg/kg	<100	----	----	----	----	----
C29 - C36 Fraction	----	100	mg/kg	<100	----	----	----	----	----
^ C10 - C36 Fraction (sum)	----	50	mg/kg	<50	----	----	----	----	----
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions									
C6 - C10 Fraction	C6_C10	10	mg/kg	<10	----	----	----	----	----
^ C6 - C10 Fraction minus BTEX (F1)	C6_C10-BTEX	10	mg/kg	<10	----	----	----	----	----
>C10 - C16 Fraction	----	50	mg/kg	<50	----	----	----	----	----
>C16 - C34 Fraction	----	100	mg/kg	<100	----	----	----	----	----
>C34 - C40 Fraction	----	100	mg/kg	<100	----	----	----	----	----
^ >C10 - C40 Fraction (sum)	----	50	mg/kg	<50	----	----	----	----	----
^ >C10 - C16 Fraction minus Naphthalene (F2)	----	50	mg/kg	<50	----	----	----	----	----
EP080: BTEXN									
Benzene	71-43-2	0.2	mg/kg	<0.2	----	----	----	----	----
Toluene	108-88-3	0.5	mg/kg	<0.5	----	----	----	----	----
Ethylbenzene	100-41-4	0.5	mg/kg	<0.5	----	----	----	----	----
meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg	<0.5	----	----	----	----	----
ortho-Xylene	95-47-6	0.5	mg/kg	<0.5	----	----	----	----	----
^ Sum of BTEX	----	0.2	mg/kg	<0.2	----	----	----	----	----
^ Total Xylenes	----	0.5	mg/kg	<0.5	----	----	----	----	----
Naphthalene	91-20-3	1	mg/kg	<1	----	----	----	----	----
EP075(SIM)S: Phenolic Compound Surrogates									
Phenol-d6	13127-88-3	0.5	%	69.0	----	----	----	----	----
2-Chlorophenol-D4	93951-73-6	0.5	%	68.4	----	----	----	----	----
2,4,6-Tribromophenol	118-79-6	0.5	%	61.1	----	----	----	----	----
EP075(SIM)T: PAH Surrogates									
2-Fluorobiphenyl	321-60-8	0.5	%	70.9	----	----	----	----	----
Anthracene-d10	1719-06-8	0.5	%	75.6	----	----	----	----	----
4-Terphenyl-d14	1718-51-0	0.5	%	83.1	----	----	----	----	----
EP080S: TPH(V)/BTEX Surrogates									
1,2-Dichloroethane-D4	17060-07-0	0.2	%	95.9	----	----	----	----	----
Toluene-D8	2037-26-5	0.2	%	89.5	----	----	----	----	----



QUALITY CONTROL REPORT

Work Order : ES1814970

Page : 1 of 7

Client : COFFEY ENVIRONMENTS PTY LTD

Laboratory : Environmental Division Sydney

Contact : MR MICHAEL CARBONE

Contact : Customer Services ES

Address : UNIT 2 16 MILDURA STREET
FYSHWICK ACT, AUSTRALIA 2609

Address : 277-289 Woodpark Road Smithfield NSW Australia 2164

Telephone : +61 08 8375 4400

Telephone : +61-2-8784 8555

Project : CBRENT18543 Calwell Caltex

Date Samples Received : 23-May-2018

Order number :

Date Analysis Commenced : 24-May-2018

C-O-C number : ---

Issue Date : 30-May-2018

Sampler : ---

Site :

Quote number : EN/077/17

No. of samples received : 1

No. of samples analysed : 1



Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Method Blank (MB) and Laboratory Control Spike (LCS) Report; Recovery and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	Position	Accreditation Category
Edwandy Fadjar	Organic Coordinator	Sydney Inorganics, Smithfield, NSW
Edwandy Fadjar	Organic Coordinator	Sydney Organics, Smithfield, NSW
Ivan Taylor	Analyst	Sydney Inorganics, Smithfield, NSW



QA/QC Compliance Assessment to assist with Quality Review

Work Order	: ES1814970	Page	: 1 of 4
Client	: COFFEY ENVIRONMENTS PTY LTD	Laboratory	: Environmental Division Sydney
Contact	: MR MICHAEL CARBONE	Telephone	: +61-2-8784 8555
Project	: CBRENZ18543 Calwell Caltex	Date Samples Received	: 23-May-2018
Site	:	Issue Date	: 30-May-2018
Sampler	:---	No. of samples received	: 1
Order number	:	No. of samples analysed	: 1

This report is automatically generated by the ALS LIMS through interpretation of the ALS Quality Control Report and several Quality Assurance parameters measured by ALS. This automated reporting highlights any non-conformances, facilitates faster and more accurate data validation and is designed to assist internal expert and external Auditor review. Many components of this report contribute to the overall DQO assessment and reporting for guideline compliance.

Brief method summaries and references are also provided to assist in traceability.

Summary of Outliers

Outliers : Quality Control Samples

This report highlights outliers flagged in the Quality Control (QC) Report.

- **NO** Method Blank value outliers occur.
- **NO** Duplicate outliers occur.
- **NO** Laboratory Control outliers occur.
- **NO** Matrix Spike outliers occur.
- For all regular sample matrices, **NO** surrogate recovery outliers occur.

Outliers : Analysis Holding Time Compliance

- **NO** Analysis Holding Time Outliers exist.

Outliers : Frequency of Quality Control Samples

- **NO** Quality Control Sample Frequency Outliers exist.

**Attachment C - BRU soils acceptance email from
PSQ**

Carbone, Michael

From: Tony Irwin [Sch 2.2(a)(ii)]@irwinandhartshorn.com>
Sent: Thursday, 1 November 2018 12:49 PM
To: Carbone, Michael
Subject: FW: BRU Acceptance Caltex Calwell

Michael
Acceptance letter for stone quarry as requested.

Regards,

Tony Irwin

ACT Licence No. 19863638
NSW Licence No. 201360DE2
Company Licence: 2013731



From: [Sch 2.2(a)(ii)]@yahoo.com.au [mailto:[Sch 2.2(a)(ii)]@yahoo.com.au]
Sent: Thursday, 1 November 2018 12:45 PM
To: Tony Irwin [Sch 2.2(a)(ii)]@irwinandhartshorn.com>
Subject: Fwd: BRU Acceptance Caltex Calwell

Sent from my iPhone

Begin forwarded message:

From: [Sch 2.2(a)(ii)]@yahoo.com.au
Date: 1 November 2018 at 11:39:51 am AEST
To: [Sch 2.2(a)(ii)]@irwinandhartshaw.com
Subject: BRU Acceptance Caltex Calwell

Good afternoon Tony,

Pialligo Stone Quarry would be happy to accept the material of approximately 250m³ from Block 8 section 787 (Caltex Calwell) if it meets the criteria from the EPA to be disposed of at our site - Block 1 section 26, Block 1 Section 25, Block 1 Section 24, Block 1 Section 23 and part of block 4 Section 18 Pialligo as per environmental authorisation number 1163.

Regards - Simon Barac

Carbone, Michael

To: admin
Cc: Xu, Terry; Ructtinger, Alex
Subject: RE: Calwell service station - Off site destination approval

Michael

I have been informed that the soil will be going to west Belconnen.

David Fraser
Director
DFPG P/L

> On 12 Sep 2018, at 3:57 pm, Carbone, Michael [Sch 2.2(a)(ii)]@coffey.com> wrote:

>
> Sounds good.
> Please cc in terry & Alex when you send the info.

>
> Regards,
> Michael Carbone
> Senior Associate Environmental Scientist

>
> t: +61 2 6124 5600
> m: [Sch 2.2(a)(ii)]

> -----Original Message-----

> From: admin <admin@dfpg.com.au>
> Sent: Wednesday, 12 September 2018 3:33 PM
> To: Carbone, Michael [Sch 2.2(a)(ii)]@coffey.com>
> Cc: Xu, Terry [Sch 2.2(a)(ii)]@coffey.com>
> Subject: Re: Calwell service station - Off site destination approval

>
> Sorry Michael the first
> Part of my reply was deleted,
> I will get the information and get back to you

>
> Thanks Michael

>
> David Fraser
> Director
> DFPG P/L

>> On 12 Sep 2018, at 3:14 pm, Carbone, Michael [Sch 2.2(a)(ii)]@coffey.com> wrote:

>>
>> Hi David / Judy

>> To complete the report for the Calwell soil stockpile to be classified as beneficial reuse, the report will need to nominate the disposal site and agreement with them.

>>
>> We suggest you try
>> Pialligo stone quarry; or
>> West Belconnen resource management entre

>>
>> They will be able to provide approval for the volume of material on site (located at address + block & section details) subject to EPA approval being provided.

>>
>> The above two locations will also be able to provide you rates/costs for beneficial reuse

>>
>> I will need a copy of the email/written correspondence between DFPG and the disposal site accepting the material.

>>
>>

>> Regards,
>> Michael Carbone
>> Senior Associate Environmental Scientist

>>
>> t: +61 2 6124 5600
>> m: +61 422 350 209

>>
>> -----Original Message-----
>> From: admin <admin@dfpg.com.au>
>> Sent: Thursday, 6 September 2018 6:49 PM
>> To: Carbone, Michael [Sch 2 2(a)(ii)] @coffey.com>
>> Subject: Re: Calwell service station

>>
>> Michael
>> The price is fine for the new report, as long as we can dispose of the materials to any site after the reclassification.

>>
>> David Fraser
>> Director
>> DFPG P/L

>>
>>> On 6 Sep 2018, at 6:19 pm, Carbone, Michael [Sch 2 2(a)(ii)] @coffey.com> wrote:

>>>
>>> Hi David
>>>
>>> We can commence this on Monday and issue the report to the EPA for review endorsement later that week.
>>>
>>> Please confirm is acceptable for us to proceed.

>>>
>>> Regards,
>>> Michael Carbone
>>> Senior Associate Environmental Scientist

>>>
>>> t: +61 2 6124 5600
>>> m: [Sch 2 2(a)(ii)]

>>>
>>> -----Original Message-----
>>> From: admin <admin@dfpg.com.au>
>>> Sent: Thursday, 6 September 2018 5:27 PM
>>> To: Carbone, Michael [Sch 2 2(a)(ii)] @coffey.com>
>>> Subject: Re: Calwell service station

>>>
>>> Michael,
>>> It has been a while since we spoke but we need to get back onto this issue of the soil at Calwell.
>>> Can you please rewrite the report as we have previously discussed to allow us to reclassify it as beneficial reuse.
>>> I have just been in contact with the owner of the site who has been away and he want to get onto this as a matter of urgency.

>>>
>>> Thank you in advance and could you please let me know when we could expect the report.

>>>
>>> David Fraser
>>> Director
>>> DFPG P/L

>>>
>>>> On 16 Jul 2018, at 3:24 pm, Carbone, Michael [Sch 2 2(a)(ii)] @coffey.com> wrote:

>>>>
>>>> Hi David
>>>>
>>>> An alternate is for us to review of results and re-write the report for beneficial reuse purposes. Given there is very little in way of contamination this soil may be fine for beneficial reuse purposes.
>>>> We would get the ACTEPA to review and endorse the revised assessment report.

>>>>
>>>> I think that may assist with disposal options/costs.
>>>>

>>>>

>>>>

>>>> Give me a call to discuss.

>>>>

>>>> Regards,

>>>> Michael Carbone

>>>> Senior Associate Environmental Scientist

>>>>

>>>> t: +61 2 6124 5600

>>>> m: [redacted] Sch 2.2(a)(ii)

>>>>

>>>> -----Original Message-----

>>>> From: admin [mailto:admin@dfpg.com.au]

>>>> Sent: Monday, 16 July 2018 3:08 PM

>>>> To: Carbone, Michael [redacted] Sch 2.2(a)(ii) [redacted]@coffey.com>

>>>> Subject: Calwell service station

>>>>

>>>> Michael

>>>> I know this has been dragging in but is there anything that can be done for the reclassification of the soil from the Calwell site. The initial test was done and then after our request and additional test, which reclassified the soil to inert waste.

>>>> Having this second test has changed nothing in relation to cost to dispose of the soil.

>>>> My client has requested to see if there is anything that can be done to help reduce the cost of the soil disposal, as the fees for disposal of this soil is \$155 per tonne and there are plenty of tonnes at the site.

>>>>

>>>>

>>>>

>>>> David Fraser

>>>> Director

>>>> DFPG P/L

the 1990s, the number of people in the UK who are employed in the public sector has increased from 10.5 million to 12.5 million, and the number of people in the public sector who are employed in the health sector has increased from 2.5 million to 3.5 million (Department of Health 2000).

There are a number of reasons for this increase. One of the main reasons is the increasing demand for health services. The population of the UK is ageing, and there is a growing number of people with chronic conditions such as heart disease, cancer, and diabetes. This has led to an increase in the number of people who are admitted to hospital and the length of their stays. In addition, there has been a growing emphasis on preventive care and health promotion, which has led to an increase in the number of people who are employed in the public sector in these areas.

Another reason for the increase in the number of people employed in the public sector is the increasing demand for health services in the private sector. The private sector has been growing rapidly in the UK, and this has led to an increase in the number of people who are employed in the private sector. However, the public sector still remains the largest employer in the health sector, and this is likely to continue for some time to come.

There are a number of challenges facing the public sector in the health sector. One of the main challenges is the increasing demand for health services, which is putting pressure on the public sector to increase its capacity. In addition, there is a growing emphasis on cost-effectiveness and efficiency, which is leading to a reduction in the number of people who are employed in the public sector. This is a concern because the public sector is the main provider of health services in the UK, and it is essential that it has enough people to meet the demand for these services.

There are a number of ways in which the public sector can meet the increasing demand for health services. One way is to increase the number of people who are employed in the public sector. This can be done by recruiting more people and by providing training and development opportunities for existing staff. Another way is to improve the efficiency of the public sector. This can be done by reducing waste and by improving the way in which resources are used.

There are a number of ways in which the private sector can meet the increasing demand for health services. One way is to increase the number of people who are employed in the private sector. This can be done by recruiting more people and by providing training and development opportunities for existing staff. Another way is to improve the efficiency of the private sector. This can be done by reducing waste and by improving the way in which resources are used.

There are a number of ways in which the public and private sectors can work together to meet the increasing demand for health services. One way is to share resources and expertise. This can be done by having joint ventures and by sharing staff and equipment. Another way is to improve the way in which the public and private sectors interact. This can be done by having regular meetings and by sharing information.

There are a number of ways in which the public sector can improve the way in which it provides health services. One way is to improve the way in which it organizes its services. This can be done by having a more integrated approach to care and by having a more patient-centred approach. Another way is to improve the way in which it delivers its services. This can be done by using new technologies and by having a more flexible approach to care.

Ms Narelle Sargent
Delegate, Environment Protection Authority
Construction, Environment and Workplace Protection
Access Canberra
GPO Box 158 Canberra ACT 2601

1 November 2018

Attention: Ms Narelle Sargent

Dear Narelle

RE: EPA review of Beneficial Reuse Assessment Report – Stockpiled soil at Calwell Service Station (Block 8, Section 787 Calwell), ACT

Coffey Services Australia Pty Ltd (Coffey) was engaged by David Fraser Plumbing Group (DFPG) on behalf of the site owner Constantine Tsoulis and Canma Properties Pty Ltd (Tsoulis Group) to undertake a beneficial reuse assessment (BRA) of the stockpiled soil material that was excavated from the Calwell Service Station at the corner of Were and Webber St Calwell (Block 8, Section 787, Calwell), as part of the installation of a new stormwater management system by DFPG.

Please find the final report enclosed for your consideration and endorsement.

Should you have any comments or queries, please do not hesitate to contact me on 02 6124 5621.

Yours sincerely

Michael Carbone
Senior Associate Environmental Consultant

Attachment

1. Coffey (2018); Beneficial Reuse assessment – Stockpiled soil at Calwell Service Station, ACT (Block 8, Section 787, Calwell), dated 1 Nov. 2018, Ref: CBREN218543_L04.

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry, no matter how small, should be recorded to ensure the integrity of the financial statements. This includes not only sales and purchases but also expenses, income, and transfers between accounts.

The second part of the document provides a detailed breakdown of the accounting cycle. It outlines the ten steps involved in the process, from identifying the accounting entity to preparing financial statements. Each step is explained in detail, with examples provided to illustrate the concepts.

The third part of the document focuses on the classification of accounts. It discusses the different types of accounts, such as assets, liabilities, equity, revenue, and expense accounts, and how they are used to record and summarize business transactions.

The fourth part of the document covers the process of journalizing and posting. It explains how transactions are recorded in the journal and then transferred to the ledger accounts. This process is essential for maintaining the double-entry system and ensuring that the books are balanced.

The fifth part of the document discusses the preparation of financial statements. It outlines the steps involved in calculating the net income, preparing the income statement, balance sheet, and statement of owner's equity. It also discusses the importance of comparing the results of the current period with those of the previous period.

The sixth part of the document covers the closing process. It explains how the temporary accounts (revenue, expense, and owner's drawing) are closed to the permanent accounts (assets, liabilities, and equity) at the end of the accounting period. This process is necessary to reset the temporary accounts for the next period.

The seventh part of the document discusses the importance of adjusting entries. It explains how these entries are used to record accruals, deferrals, and corrections, ensuring that the financial statements reflect the true financial position of the business at the end of the period.

The eighth part of the document covers the preparation of the trial balance. It explains how the debit and credit balances of all accounts are listed and compared to ensure that they are equal. This is a crucial step in the accounting process to identify any errors or omissions.

The ninth part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry, no matter how small, should be recorded to ensure the integrity of the financial statements. This includes not only sales and purchases but also expenses, income, and transfers between accounts.

The tenth part of the document provides a summary of the key concepts discussed in the document. It emphasizes the importance of accuracy, consistency, and transparency in the accounting process, and the role of the accountant in providing reliable financial information to the business and its stakeholders.

From: "Heckenberg, Mark"
Sent: 23/10/2018 12:58 AM
To: "Estimator" [mailto:Sch 2.2(a)(ii)]@samarkos.com.au
Cc: "Zhang, Jianmin" <Jianmin.Zhang@act.gov.au>
Subject: RE: BRU Approval to Dispose at WBRMC [SEC=UNCLASSIFIED, DLM=For-Official-Use-Only]
Attachments: RE: BRU Approval to Dispose at WBRMC

Hi Naveed,

Please find attached my response to your email from last week.

Regards

Mark Heckenberg | Manager, Contaminated Sites
Phone: 02 6207 2151 | Email: mark.heckenberg@act.gov.au
Office of the Environment Protection Authority | Access Canberra | ACT Government
Ground Floor TransACT House, 470 Northbourne Avenue, Dickson 2602
GPO Box 158 Canberra ACT 2601 | <http://www.act.gov.au/accesscbr>

From: Zhang, Jianmin
Sent: Tuesday, 23 October 2018 11:25 AM
To: Heckenberg, Mark <Mark.Heckenberg@act.gov.au>
Cc: Estimator [mailto:Sch 2.2(a)(ii)]@samarkos.com.au
Subject: FW: BRU Approval to Dispose at WBRMC [SEC=UNCLASSIFIED, DLM=For-Official-Use-Only]

Hi Mark,

Can you please assist Naveed with this BRU approval?

Cheers
Jianmin

Jianmin Zhang | Environment Protection Officer, EPA Inspectorate
Phone: 02 6207 2157 | Email: jianmin.zhang@act.gov.au
Construction, Environment and Workplace Protection | Access Canberra | ACT Government
GPO Box 158 Canberra ACT 2601 | <http://www.act.gov.au/accesscbr>



From: Estimator [mailto:Sch 2.2(a)(ii)]@samarkos.com.au
Sent: Tuesday, 23 October 2018 11:23 AM
To: Zhang, Jianmin <Jianmin.Zhang@act.gov.au>
Subject: FW: BRU Approval to Dispose at WBRMC

Morning Zhang,

As we discussed on phone yesterday, I am trying to call Mark (62072151) for below approval but he is not answering phone. Could you please provide his email to contact. Thank you

Regards,
Naveed

From: Estimator
Sent: Tuesday, 16 October 2018 1:41 PM
To: Environmental.Standards@act.gov.au
Cc: Tanya [Sch 2.2\(a\)\(ii\)@samarkos.com.au](mailto:Sch 2.2(a)(ii)@samarkos.com.au)>
Subject: BRU Approval to Dispose at WBRMC

Hi,

We are looking to remove a stockpile at Block 8, Section 787 Calwell ACT. Soil is classified as a BRU as per attached report. We need approval from EPA to dispose that soil to WBRMC in this regard. I have attached soil classification report for your information. Thank you

Regards,

Naveed Mañar

Project Engineer

Samarkos Earthmoving Pty Ltd

P: 02 62392002

F: 02 62392012

M: [\(Sch 2.2\(a\)\(ii\)\)](tel:Sch 2.2(a)(ii))

E: [Sch 2.2\(a\)\(ii\)@samarkos.com.au](mailto:Sch 2.2(a)(ii)@samarkos.com.au)



From: "Heckenberg, Mark"
Sent: 17/10/2018 11:47 PM
To: "Estimator" <Sch 2.2(a)(ii)@samarkos.com.au>
Cc: "Tanya" <Sch 2.2(a)(ii)@samarkos.com.au>
Subject: RE: BRU Approval to Dispose at WBRMC

Hi Naveed,

Records would indicate that an approval has already been issued for this material. Please obtain a copy of the approval from your client or the environmental consultant who undertook the assessment (Coffey Services) prior to the removal of any material from site.

Regards

Mark Heckenberg | Manager, Contaminated Sites
Phone: 02 6207 2151 | Email: mark.heckenberg@act.gov.au
Office of the Environment Protection Authority | Access Canberra | ACT Government
Ground Floor TransACT House, 470 Northbourne Avenue, Dickson 2602
GPO Box 158 Canberra ACT 2601 | <http://www.act.gov.au/accesscbr>

From: Estimator [mailto:Sch 2.2(a)(ii)@samarkos.com.au]
Sent: Tuesday, 16 October 2018 1:41 PM
To: Environmental Standards <Environmental.Standards@act.gov.au>
Cc: Tanya <Sch 2.2(a)(ii)@samarkos.com.au>
Subject: BRU Approval to Dispose at WBRMC

Hi,

We are looking to remove a stockpile at Block 8, Section 787 Calwell ACT. Soil is classified as a BRU as per attached report. We need approval from EPA to dispose that soil to WBRMC in this regard. I have attached soil classification report for your information. Thank you

Regards,

Naveed Mahar

Project Engineer
Samarkos Earthmoving Pty Ltd
P: 02 62392002
F: 02 62392012
M: Sch 2.2(a)(ii)
E: Sch 2.2(a)(ii)@samarkos.com.au



The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry, no matter how small, should be recorded to ensure the integrity of the financial statements. This includes not only sales and purchases but also expenses, income, and transfers between accounts.

The second part of the document provides a detailed breakdown of the accounting cycle. It outlines the ten steps involved in the process, from identifying the accounting entity to preparing financial statements. Each step is explained in detail, with examples provided to illustrate the concepts.

The third part of the document discusses the various types of accounts used in accounting. It distinguishes between assets, liabilities, equity, revenue, and expense accounts, and explains how they are classified and balanced. It also covers the concept of debits and credits, and how they are used to record transactions.

The fourth part of the document discusses the importance of internal controls in accounting. It explains how internal controls help to prevent errors and fraud, and how they can be designed to ensure the accuracy and reliability of financial information.

The fifth part of the document discusses the role of accounting in business decision-making. It explains how financial statements provide valuable information to management and other stakeholders, and how this information is used to make informed decisions about the future of the business.

The sixth part of the document discusses the importance of ethics in accounting. It explains how accountants have a responsibility to act ethically and to provide accurate and honest financial information. It also discusses the consequences of unethical behavior and the importance of maintaining high standards of integrity.

The seventh part of the document discusses the role of accounting in the economy. It explains how accounting provides a common language for business transactions, and how this helps to facilitate trade and investment. It also discusses the importance of accounting in the development of financial markets.

The eighth part of the document discusses the role of accounting in social responsibility. It explains how accountants can help to ensure that businesses are operating in a socially responsible manner, and how this can be achieved through transparent reporting and ethical practices.

The ninth part of the document discusses the role of accounting in environmental sustainability. It explains how accountants can help to measure and report on a company's environmental impact, and how this information can be used to make decisions about reducing greenhouse gas emissions and other environmental risks.

The tenth part of the document discusses the role of accounting in digital transformation. It explains how digital technologies are changing the way that accounting is done, and how accountants can use these technologies to improve efficiency and accuracy.

From: "Colin Roberts" [Sch 2.2(a)(ii)] <[redacted]@caltex.com.au>
Sent: 19/05/2014 2:58 AM
To: "Heckenberg, Mark" <Mark.Heckenberg@act.gov.au>; "Balazs, Jacqui" <Jacqui.Balazs@act.gov.au>
Cc: "Matt Gum" [Sch 2.2(a)(ii)] <[redacted]@caltex.com.au>
Subject: RE: Caltex Audit Sites
Attachments: ACT Sites Update to EPA_19_05_2014.xlsx

Afternoon Mark,

Apologies for not getting this to you last week.

Look forward to catching up in person towards end of June.

Jacqui, more than happy to catch up with yourself and Rodney also if you consider there to be value. Will forward meeting invite to you all.

Cheers

Colin

Colin Roberts

Senior Environmental Specialist

CALTEX AUSTRALIA PETROLEUM PTY LTD

2 Market St. Sydney NSW 2000 | Postal: GPO Box 3916, Sydney NSW 2001

T: (02) 9250 5862 M [Sch 2.2(a)(ii)]

F [Sch 2.2(a)(ii)] <[redacted]@caltex.com.au> | www.caltex.com.au

OE Partnerships - Making Excellence Happen



From: Heckenberg, Mark [mailto:Mark.Heckenberg@act.gov.au]
Sent: Wednesday, 7 May 2014 1:17 PM
To: Colin Roberts
Subject: RE: Caltex Audit Sites

Thanks Colin, much appreciated.

From: Colin Roberts [mailto:[redacted]@caltex.com.au]
Sent: Wednesday, 7 May 2014 12:12 PM
To: Heckenberg, Mark
Subject: RE: Caltex Audit Sites

Afternoon

Will provide a summary of all sites for you this week.

Nicholls, Weston and Calwell are the owner's responsibility and we have provided contacts in the environmental consultancy space for them to approach and complete their off-site delineation works. At this time we understand

they are all pursuing to comply with their obligation to delineate on-site impact. Will summarise Caltex understanding of the current status of these site in the communication

Cheers

Colin

Colin Roberts

Senior Environmental Specialist

CAULTEX AUSTRALIA PETROLEUM PTY LTD

2 Market St, Sydney NSW 2000 | Postal: GPO Box 3916, Sydney NSW 2001

T: (02) 9250 5862 M: 02 2221100

E: cmrober@caltex.com.au | www.caltex.com.au

OE Partnerships - Making Excellence Happen

From: Heckenberg, Mark [<mailto:Mark.Heckenberg@act.gov.au>]

Sent: Wednesday, 7 May 2014 10:14 AM

To: Colin Roberts

Subject: Caltex Audit Sites

Good morning Colin,

I hope all is well.

As it has been some time since our last communication on Caltex sites in the ACT which are undergoing assessment and audit I would appreciate an update on each of these sites please. Of particular interest are those sites where there is the potential risk to nearby off-site receptors such as Kaleen, Nicholls and Kambah. Where an assessment of risk has been undertaken I would also appreciate an update indicating that the risks have not increased as a result of the findings of recent investigations/remedial works.

Thank you.

Regards


Mark Heckenberg

Contaminated Sites Officer | **Environment Protection** | Environment Protection & Water Regulation | Environment and Sustainable Development | **ACT Government**

Phone: +61 2 6207 2151 | **Fax:** +61 2 6207 6084 | **email:** mark.heckenberg@act.gov.au

Level 2 North - Dame Pattie Menzies House | 16 Challis Street Dickson | GPO BOX 158 | CANBERRA ACT 2601 | www.act.gov.au

This email, and any attachments, may be confidential and also privileged. If you are not the intended recipient, please notify the sender and delete all copies of this transmission along with any attachments immediately. You should not copy or use it for any purpose, nor disclose its contents to any other person.


If you consider this message to be unsolicited junk please click [here](#) . This will submit a copy to Websense for review by the Spam Team.

***** IMPORTANT INFORMATION *****

This correspondence is for the named person's use only. It may contain confidential or legally privileged information or both. No confidentiality or privilege is waived or lost by any mistransmission. If you receive this correspondence in error, please immediately delete it from your system and notify the sender. You must not disclose, copy or rely on any part of this correspondence if you are not the intended recipient. Any opinions expressed in this message are those of the individual sender, except where the sender expressly, and with authority, states them to be the opinions of Caltex Australia Limited or one of its subsidiaries (collectively the "Caltex Group"). Neither the sender nor the Caltex Group warrants that any communication via the Internet is free of errors, viruses, interception or interference. Information is distributed without warranties of any kind.

***** IMPORTANT INFORMATION *****

This correspondence is for the named person's use only. It may contain confidential or legally privileged information or both. No confidentiality or privilege is waived or lost by any mistransmission. If you receive this correspondence in error, please immediately delete it from your system and notify the sender. You must not disclose, copy or rely on any part of this correspondence if you are not the intended recipient. Any opinions expressed in this message are those of the individual sender, except where the sender expressly, and with authority, states them to be the opinions of Caltex Australia Limited or one of its subsidiaries (collectively the "Caltex Group"). Neither the sender nor the Caltex Group warrants that any communication via the Internet is free of errors, viruses, interception or interference. Information is distributed without warranties of any kind.

SITE Out of scope

Airpo

Weston

Hume

Cal Out of scope

Kip

Tug

Bra

Nicl

Kale

Kan

Hug

Cha

Lyn

Fyshwick

Fyshwick Depot

Status Update May 2014

Out of scope

NO PSH, Annual gw sampling, November 2014 next round, Recently identified tank integrity loss. Site notified a

Out of scope

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry, no matter how small, should be recorded to ensure the integrity of the financial statements. This includes not only sales and purchases but also expenses, income, and transfers between accounts.

The second part of the document provides a detailed breakdown of the accounting cycle. It outlines the ten steps involved in the process, from identifying the accounting entity to preparing financial statements. Each step is explained in detail, with examples provided to illustrate the concepts.

The third part of the document discusses the various types of accounts used in accounting. It distinguishes between assets, liabilities, equity, revenue, and expense accounts, and explains how they are classified and balanced. It also covers the concept of debits and credits, which are essential for recording transactions.

The fourth part of the document focuses on the journalizing process. It explains how to analyze a transaction, determine the accounts affected, and record the entry in the journal. It provides a step-by-step guide to writing journal entries, including the use of T-accounts to visualize the debits and credits.

The fifth part of the document discusses the posting process. It explains how to transfer the debits and credits from the journal to the ledger accounts. It also covers the process of balancing the ledger accounts and preparing a trial balance to ensure that the debits equal the credits.

The sixth part of the document discusses the preparation of financial statements. It explains how to use the ledger accounts to prepare the income statement, balance sheet, and statement of owner's equity. It also covers the process of closing the books at the end of the accounting period.

The seventh part of the document discusses the importance of adjusting entries. It explains how to identify and record adjusting entries for accrued revenues, accrued expenses, prepaid expenses, and unearned revenues. It also covers the process of reversing entries at the beginning of the next period.

The eighth part of the document discusses the importance of internal controls. It explains how to design and implement internal controls to prevent errors and fraud. It covers the concepts of segregation of duties, authorization, and documentation.

The ninth part of the document discusses the importance of ethics in accounting. It explains how to identify and avoid ethical dilemmas, and provides guidance on how to act ethically in the workplace. It also covers the importance of transparency and honesty in financial reporting.

The tenth part of the document discusses the importance of communication in accounting. It explains how to effectively communicate financial information to management and other stakeholders. It covers the importance of clear and concise reporting, and the use of visual aids to enhance understanding.

From: "Colin Roberts" [Sch 2.2(a)(ii)]@caltex.com.au>
Sent: 19/05/2014 2:32 AM
To: "Heckenberg, Mark" <Mark.Heckenberg@act.gov.au>; "Balazs, Jacqui" <Jacqui.Balazs@act.gov.au>
Cc: "Dix, Rodney" <Rodney.Dix@act.gov.au>; "Matt Gum" [Sch 2.2(a)(ii)]@caltex.com.au>; "Felicity Sinnett" [Sch 2.2(a)(ii)]@caltex.com.au>
Subject: RE: Caltex Calwell Possible Notification by Landlord/Caltex to the ACT EPA
Attachments: Caltex Calwell 22176 Contaminated Land Notification Form 19_05_14.pdf, Calwell_22176_GME_2013 report_final.pdf

Afternoon Mark/Jacqui

I attach a contaminated land notification form for Caltex Calwell to follow up previous email sent to the EPA on April 1st.

Also attached is the UPSS Precision Test Report confirming the failed tank and the most recent GME completed in November last year and previously provided.

The landlord wished Caltex to submit the notification form, so we have submitted as the lessee.

All tank repair works and further environmental works are the responsibility of the landlord and to the best of our knowledge are proposed to be undertaken by the landlord.

Any questions please call.

Regards

Colin

Colin Roberts

Senior Environmental Specialist

CALTEX AUSTRALIA PETROLEUM PTY LTD
2 Market St, Sydney NSW 2000 | Postal: GPO Box 3916, Sydney NSW 2001
T: (02) 9250 5862 M: [Sch 2.2(a)(ii)]

E: cmrober@caltex.com.au | www.caltex.com.au

OE Partnerships - Making Excellence Happen



From: Heckenberg, Mark [mailto:Mark.Heckenberg@act.gov.au]
Sent: Tuesday, 1 April 2014 7:43 AM
To: Colin Roberts
Cc: Felicity Sinnett; Balazs, Jacqui; Dix, Rodney
Subject: RE: Caltex Calwell Possible Notification by Landlord/Caltex to the ACT EPA

Good morning Colin,

Thank you for the informal notification.

I have passed this information onto the EPA's regulation area, who look after active sites, for their information and records.

Please ensure that the landlord thoroughly reviews the notification requirements under the environmental authorisation for the site and notifies the EPA if required.

Regards

Mark Heckenberg

Contaminated Sites Officer | **Environment Protection** | Environment Protection & Water Regulation | Environment and Sustainable Development | **ACT Government**

Phone: +61 2 6207 2151 | Fax: +61 2 6207 6084 | email: mark.heckenberg@act.gov.au

Level 2 North - Dame Pattie Menzies House | 16 Challis Street Dickson | GPO BOX 158 | CANBERRA ACT 2601 | www.act.gov.au

From: Colin Roberts [Sch 2.2(a)(ii) @caltex.com.au]

Sent: Monday, 31 March 2014 4:44 PM

To: Heckenberg, Mark

Cc: Felicity Sinnott

Subject: Caltex Calwell Possible Notification by Landlord/Caltex to the ACT EPA

Afternoon Mark,

Last week we undertook tank and line testing at the site and on Friday afternoon we were advised of the following:

- Tank# 1 V95: The ullage area has passed, however the wet test has failed, tank valves need to be serviced to ensure they have been excluded as the cause of the liquid ingress /egress. The stage 1 result could possibly indicate the start of a tank shell breach (wetted area). Stage 2 works to be conducted.

As the landlord has full responsibility for tank and line maintenance and repair we have formally advised them this morning. As part of this communication we have also advised the landlord of obligations to notify the ACT EPA should product be detected in the groundwater and indeed the requirement to complete delineation of dissolved phase impact at the site.

The most recent groundwater data does indicate an increase in dissolved phase in one well and we advised the landlord that we consider it prudent to notify the EPA as a result.

Caltex may complete the notification on behalf of landlord and have requested a cost from PB for the installation of extraction wells (should these be required) and off-site delineation. Caltex are however under no obligation to complete this works but will assist the landlord in the process.

I shall update you later this week, once we receive a reply from the landlord.

Happy to discuss further

Cheers

Colin

Colin Roberts

Senior Environmental Specialist

CALTEX AUSTRALIA PETROLEUM PTY LTD

2 Market St, Sydney NSW 2000 | Postal: GPO Box 3916, Sydney NSW 2001

T: (02) 9250 5862 M: [Sch 2.2(a)(ii)]


E: cmrober@caltex.com.au | www.caltex.com.au

OE Partnerships - Making Excellence Happen

*** IMPORTANT INFORMATION ***

This correspondence is for the named person's use only. It may contain confidential or legally privileged information or both. No confidentiality or privilege is waived or lost by any mistransmission. If you receive this correspondence in error, please immediately delete it from your system and notify the sender. You must not disclose, copy or rely on any part of this correspondence if you are not the intended recipient. Any opinions expressed in this message are those of the individual sender, except where the sender expressly, and with authority, states them to be the opinions of Caltex Australia Limited or one of its subsidiaries (collectively the "Caltex Group"). Neither the sender nor the Caltex Group warrants that any communication via the Internet is free of errors, viruses, interception or interference. Information is distributed without warranties of any kind.

This email, and any attachments, may be confidential and also privileged. If you are not the intended recipient, please notify the sender and delete all copies of this transmission along with any attachments immediately. You should not copy or use it for any purpose, nor disclose its contents to any other person.


If you consider this message to be unsolicited junk please click [here](#) . This will submit a copy to Websense for review by the Spam Team.

*** IMPORTANT INFORMATION ***

This correspondence is for the named person's use only. It may contain confidential or legally privileged information or both. No confidentiality or privilege is waived or lost by any mistransmission. If you receive this correspondence in error, please immediately delete it from your system and notify the sender. You must not disclose, copy or rely on any part of this correspondence if you are not the intended recipient. Any opinions expressed in this message are those of the individual sender, except where the sender expressly, and with authority, states them to be the opinions of Caltex Australia Limited or one of its subsidiaries (collectively the "Caltex Group"). Neither the sender nor the Caltex Group warrants that any communication via the Internet is free of errors, viruses, interception or interference. Information is distributed without warranties of any kind.




ACT ENVIRONMENT PROTECTION AUTHORITY
Contaminated Land Notification Form
 Section 23A of the *Environment Protection Act 1997*

A lessee or occupier of land shall notify the **Environment Protection Authority** in writing as soon as practicable after becoming aware that land which he or she is the lessee or occupier is contaminated in such a way as to present, or be likely to present –

(a) a significant risk of harm to human health; or

(b) a risk of material environmental harm or serious environmental harm.

1. Where to send completed forms		IMPORTANT TYPE OR PRINT
Environment Protection Authority GPO Box 158 Canberra ACT 2601		
2. Lessee or Occupier details		
Name: Caltex Australia Petroleum Pty Ltd ACN 000 032 128		Telephone Numbers (business hours): 02 9250 5342 Fax Numbers (business hours): 02 9250 5909
Address: 2 Market Street Sydney NSW 2000		I am: <input checked="" type="checkbox"/> the lessee of the site <input type="checkbox"/> the occupier of the site
3. Site Details		
Site or Establishment Name (if appropriate): Caltex Calwell		Street Address: Cnr Were Street & Webber Crescent Calwell ACT Post Code: 2905
Block(s): 8	Section: 787	Suburb: Calwell
Owners(s) / Lessee(s): Constantine Tsoulis, Anna Tsoulis, & Canma Properties Pty Ltd (ACN 008 539 071)		Occupier(s): Caltex Australia Petroleum Pty Ltd
4. Cause of Contamination		
Loss of containment from UPSS.		
5. Contamination		
Petroleum Hydrocarbons		Source of information on contamination: Failed Tank 1.

6. What aspects of the environment are/may be affected?		7. Who/what is potentially at risk?	
Tick all that apply: <input type="checkbox"/> Air <input type="checkbox"/> Stormwater <input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Drinking water <input type="checkbox"/> Surface Water <input type="checkbox"/> Wetlands <input checked="" type="checkbox"/> Soil <input type="checkbox"/> Other (please specify) _____ <input type="checkbox"/> Sediments		Tick all that apply: <input type="checkbox"/> Residents <input type="checkbox"/> Aquatic life <input checked="" type="checkbox"/> Workers <input type="checkbox"/> Plants <input type="checkbox"/> School/kindergarten children <input type="checkbox"/> Animals <input type="checkbox"/> Threatened species <input type="checkbox"/> Other (Please specify) _____	
8. Are any other sites effected or at risk? (ie. outside the lease/sub lease boundary)			
Tick appropriate box: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes			
If "Yes" is ticked, indicate which of the matters listed in item 6 and 7 apply to other sites:			
Details of other sites affected: _____			
9. Additional pages attached (eg. Results of sampling, photographs, environmental reports, etc.)			
If you have attached additional pages to this notification, indicate the number of pages. When the notification is certified, the person(s) who certify the notification must initial each page attached. Number of pages attached: 12			
10. Certification (in the case of a notice lodged on behalf of a body corporate)			
I certify that:			
(a) I have personally examined and am familiar with the information contained in this notification; and			
(b) to the extent they are within my knowledge, the matters contained in this notification are true, accurate and complete.			
Name: COLIN ROBERTS Position: SENIOR ENVIRONMENTAL SPECIALIST ACT/NSW Signature:  Sch 2.2(a)(ii) Date: 19/05/2014.		Name: Position: Signature: Date:	
11. Signature (in the case of a notice lodged by one or more individuals)			
The matters contained in this notification are, to the best of my knowledge, true, accurate and complete.			
Name: Signature: Date:		Name: Signature: Date:	
If the notification is made by a corporation, the form must be signed by a person authorised to do so by the corporation. If the notification is made by one or more individuals, the form must be signed by each individual concerned.			

UPSS Precision Test Report

28-March-2014

Certified Report No: UG10322

Caltex Calwell #22176

Were St

Calwell ACT 2905

Test Date: 28th February & 27th
March 2014
Reason for Test: Water Ingress
Customer Contact: Glenn Marret
Caltex Australia Petroleum
Pty Ltd



LEIGHTON O'BRIEN

**Leighton O'Brien
Field Services PTY LTD**

ABN 49 080 728 641
3rd Floor, 20 Council Street,
Hawthorn East, Victoria, 3123

Telephone: +61(03) 9804 2200
Facsimile: +61(03) 9804 2299

Website: www.leightonobrien.com

Executive Summary

Vortex 95 Tank 1 did not pass the test.

Recommendations

It is recommended that Vortex 95 Tank 1 be relined / replaced or decommissioned.



Aim

To investigate the integrity of the UPSS due to water ingress concerns.

Method

The tank and all its associated lines (i.e. vent, dip, fill) were subjected to the tank test. Individual tests were also performed on the suction lines.

Summary of Tank Results as Tested

Test Round 1			
Tank	Test	Result	Rate
Vortex 95 Tank 1 (45 kl) at 43962 litres or 94.8 % fill (& 68 mm H ₂ O) 28 Feb 2014 Cert. No. 219691	Wet Static Test	FAIL (i)	4.47 lt/hr
	Wet Pressure Test	FAIL (e)	1.08 lt/hr
	Ullage Test	PASS	

Test Round 2			
Tank	Test	Result	Rate
Vortex 95 Tank 1 (45.5 kl) at 43106 litres or 92 % fill (& 100 mm H ₂ O) 27 Mar 2014 Cert. No. 220399	Wet Static Test	FAIL (i)	11.74 lt/hr
	Wet Pressure Test	FAIL (e)	7.45 lt/hr
	Ullage Test	FAIL	11.3 times

Nomenclature for tables above

- A 6.5 times ullage fail is the nitrogen decay equivalent to a liquid leak under 10kPa at the USEPA threshold of 0.38 lt/hr
- 0.38 lt/hr is the PASS/FAIL criteria for a USEPA precision test.
- (i) indicates a liquid ingress was detected during the test at the noted rate
- (e) indicates a liquid egress was detected during the test at the noted rate
- INC indicates an inconclusive result was obtained
- * indicates an overall wet result has been declared

Summary of Line Results as Tested

Line Test Round 1			
Product Lines	Date	Line	Valve
Vortex 95 Tank (1) to Pump (1,2)(3,4)	28-Feb-14	weep	weep
Vortex 95 Tank (1) to Pump (5,6)	28-Feb-14	PASS	PASS
Vortex 95 Tank (1) to Pump (7,8)	28-Feb-14	pass	weep
Vacuum Line Test			
Product Lines	Date	Line	Valve
Vortex 95 Tank (1) to Pump (1,2)(3,4)	28-Feb-14	PASS	NA
Vortex 95 Tank (1) to Pump (7,8)	28-Feb-14	PASS	NA
Vortex 95 Tank (1) to Pump (11,12)(13,14)	28-Feb-14	PASS	NA

Line Test Reporting Legend	PASS	pass	weep	drp	fail	FAIL
Detected Leak Rate (ml/hour) @250kPa	90	115	140	165	190	USEPA threshold

Other Relevant Observations

- All visible parts of the systems, sealed by the technician, were shown to be tight using soapy water.
- Ground water was measured at a depth of 570mm during Round 1 and Round 2 testing in a monitoring well.
- The water level was measure 100mm via the dip point at the start of the test. At the conclusion of the test, the water level in the Vortex 95 Tank 1 was measured to be 220mm via the dip point.

Comments/Discussions

Vortex 95 Tank 1 did not the Round 1 test due to liquid movement detected above the allowable USEPA thresholds.

In preparation for Round 2 testing the complete tank top associated with Vortex 95 Tank 1 was exposed and it did not pass the test. A pattern of liquid ingress was detected during the wet static test and a pattern of liquid egress was detected during the wet pressure test. Additionally the ullage portion of Vortex 95 Tank 1 did not pass the test due to nitrogen pressure decay above the allowable USEPA threshold.

Given the reason for testing, results obtained, depth to ground water and the nature of the test, a tank shell breach is the likely scenario.

The suction lines associated with Vortex 95 Tank 1 passed the test.

A pressure and vacuum test were performed on the suction lines from Vortex 95 Tank 1 to Pump (1,2)(3,4) and to Pump (7,8). During the pressure test, pressure decay was detected in a pattern consistent with liquid weeping past the tank check valve. A vacuum test was consequently performed on the lines to remove the effect of the valve from the test, and both lines passed.

Site Test Photo



Tank Type and fuel system

Fuel operation system	Suction system
Tank	Single wall steel
Pipeline	Unknown

Recommendations

It is recommended that Vortex 95 Tank 1 be relined / replaced or decommissioned.

Addendum

Date of Test: 28 February & 27 March 2014
Licensed Tester: Robert Girvan, Paul Turner
Report Prepared by: Mahir Hodzic
Report ID: Calwell ACT 22176 UG10322 Diagnostic Report To 27-Mar-14.Doc

Glossary of Acronyms used

HC Hydrocarbons
PSH Phase Separated Hydrocarbons
UPP Brand specific double wall high density polyethylene piping
UPSSs Underground Petroleum Storage Systems
USEPA United States of America Environmental Protection Agency

The underground pipe and tank configurations contained in this report are deduced from information gathered at the site by Leighton O'Brien Field Services and by information given to Leighton O'Brien Field Services by the client.

Test technology used: Masstech 2 wet test (mass based) and Masstech 002 ullage test (pressure). For further details go to www.nwglde.org/vendor_indexG_M.html

Leighton O'Brien Pty Ltd is the Australian licensee of the MassTech test. The MassTech test is owned and operated by MassTech International Limited and is independently certified as meeting the USEPA standard evaluation for tank tightness testing methods.

Leighton O'Brien Field Services are provided on the terms and conditions set out in the conditions of sale document. The Leighton O'Brien Field Services are warranted to the invoiced value of testing services performed as covered in section 68a of the Trade Practices Act.

Details of Pressure Line Test

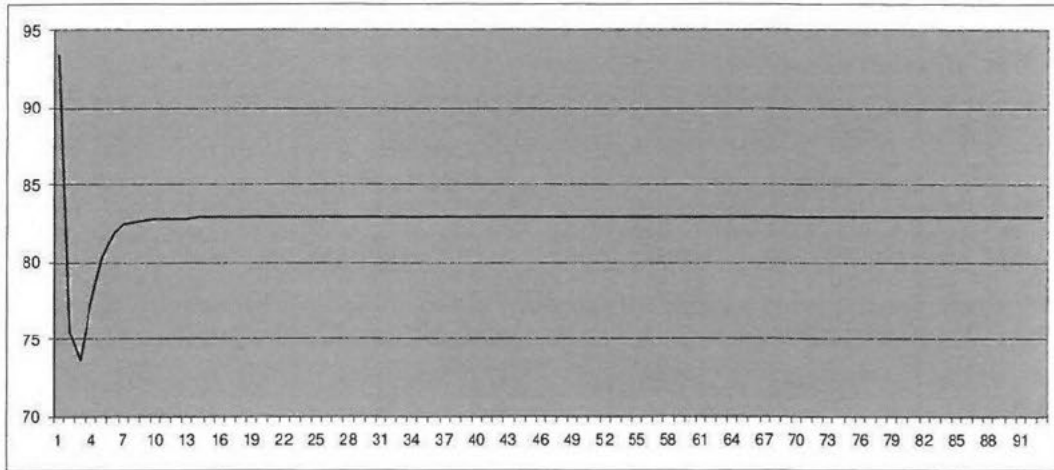
Vortex 95 Tank (1) to Pump (1,2)(3,4)				
Line	weep	time	kPa	%loss/hr
Valve	weep	12:00:15	154.473	
Tested	wet	12:01:15	154.112	37.7
Start	11:48:45	12:03:23	200.933	
Date	28-Feb-14	12:04:23	200.012	54.0
Unit SN	200311	12:07:18	251.371	
Cert. No.	219687	12:08:18	250.167	47.1

Vortex 95 Tank (1) to Pump (5,6)				
Line	PASS	time	kPa	%loss/hr
Valve	PASS	11:06:38	159.193	
Tested	wet	11:07:38	159.208	-1.4
Start	10:52:30	11:08:55	205.287	
Date	28-Feb-14	11:09:55	205.182	6.4
Unit SN	200311	11:11:15	257.009	
Cert. No.	219687	11:12:15	256.789	8.7

Vortex 95 Tank (1) to Pump (7,8)				
Line	pass	time	kPa	%loss/hr
Valve	weep	9:47:48	147.873	
Tested	wet	9:48:48	147.408	54.4
Start	9:33:45	9:50:13	203.388	
Date	28-Feb-14	9:51:13	202.787	34.2
Unit SN	200311	9:53:23	251.434	
Cert. No.	219687	9:54:23	250.499	36.1

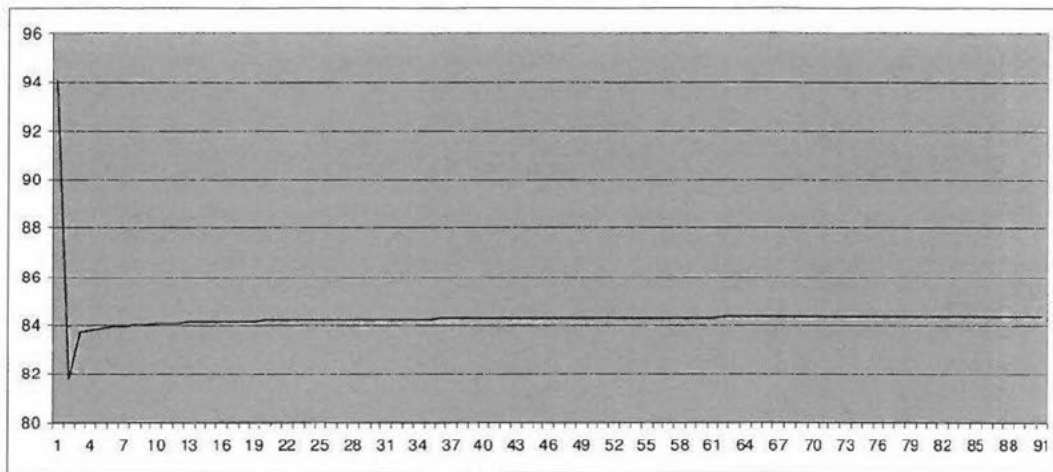
Details of Vacuum Line Test

MassTech Vacuum Line Test		
Date/time	8:26:20 AM 28/02/2014	
Line	Tank: 1 Vortex 95 to Pump: 11/12,13/14 (Vac) WET	
Line Drain rate	391 mm/minute=	365.194 cc/min
Bounce Start	N/A mm	Density
Bounce End	N/A mm	0.73
Comments	No Bubbles	Atmos
60sec	375	100.7
90count	372	Theoretical
atm	0	Vac (petrol)
Depth to Fuel	910	94.183217
Depth to G.W.	570	
Result	PASS	



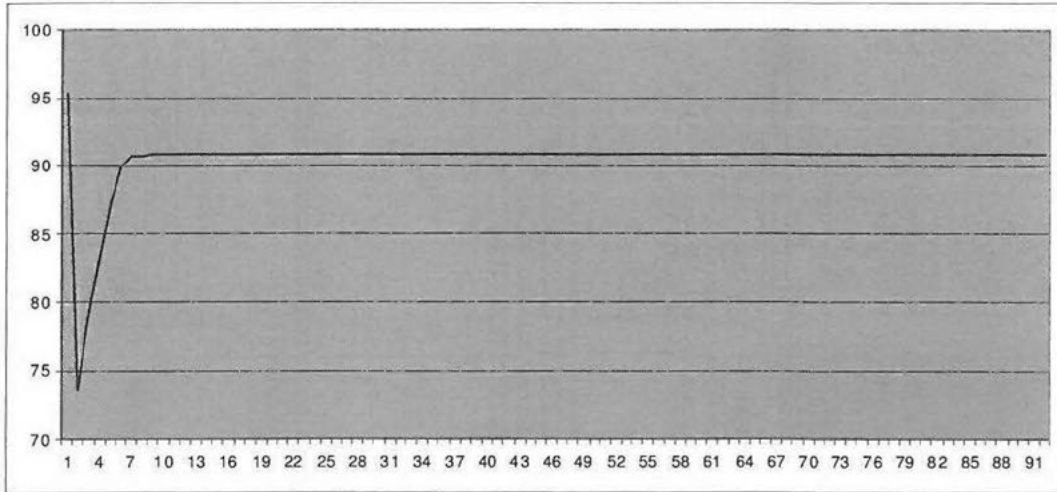
Details of Vacuum Line Test

MassTech Vacuum Line Test		
Date/time	9:57:08 AM 28/02/2014	
Line	Tank:1 Vortex 95 to Pump: 7/8 (Vac) WET	
Line Drain rate	359 mm/minute=	335.306 cc/min
Bounce Start	N/A mm	Density
Bounce End	N/A mm	0.73
Comments	No Bubbles	
60sec	192	95.332
90count	215	Theoretical
atm	0	Vac (petrol)
Depth to Fuel	910	88.815217
Depth to G.W.	570	
Result	PASS	






Details of Vacuum Line Test

MassTech Vacuum Line Test			
Date/time	12:13:43 PM 28/02/2014		
Line	Tank: 1 V95 to Pump: 1/2,3/4 (Vac) WET		
Line Drain rate	294 mm/minute=	274.596 cc/min	
Bounce Start	N/A mm		Density
Bounce End	N/A mm		0.73
Comments	No Bubbles		Atmos
60sec	558		95.345
90count	585		Theoretical
atm	0		Vac (petro)
Depth to Fuel	910		88.828217
Depth to G.W.	570		
Result	PASS		



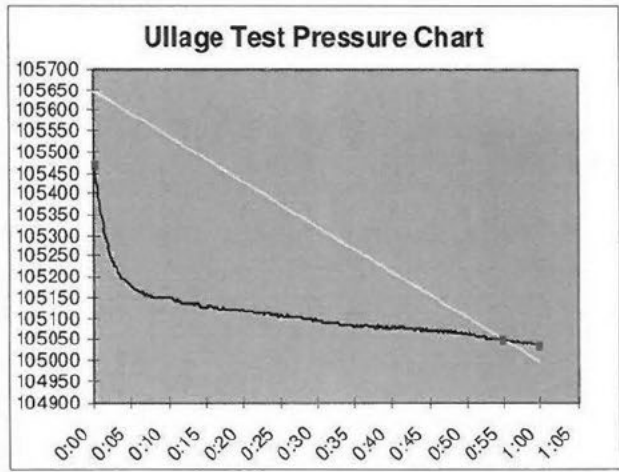
MassTech Tank Test Report

Wet (static)
Wet (pressure)
Dry

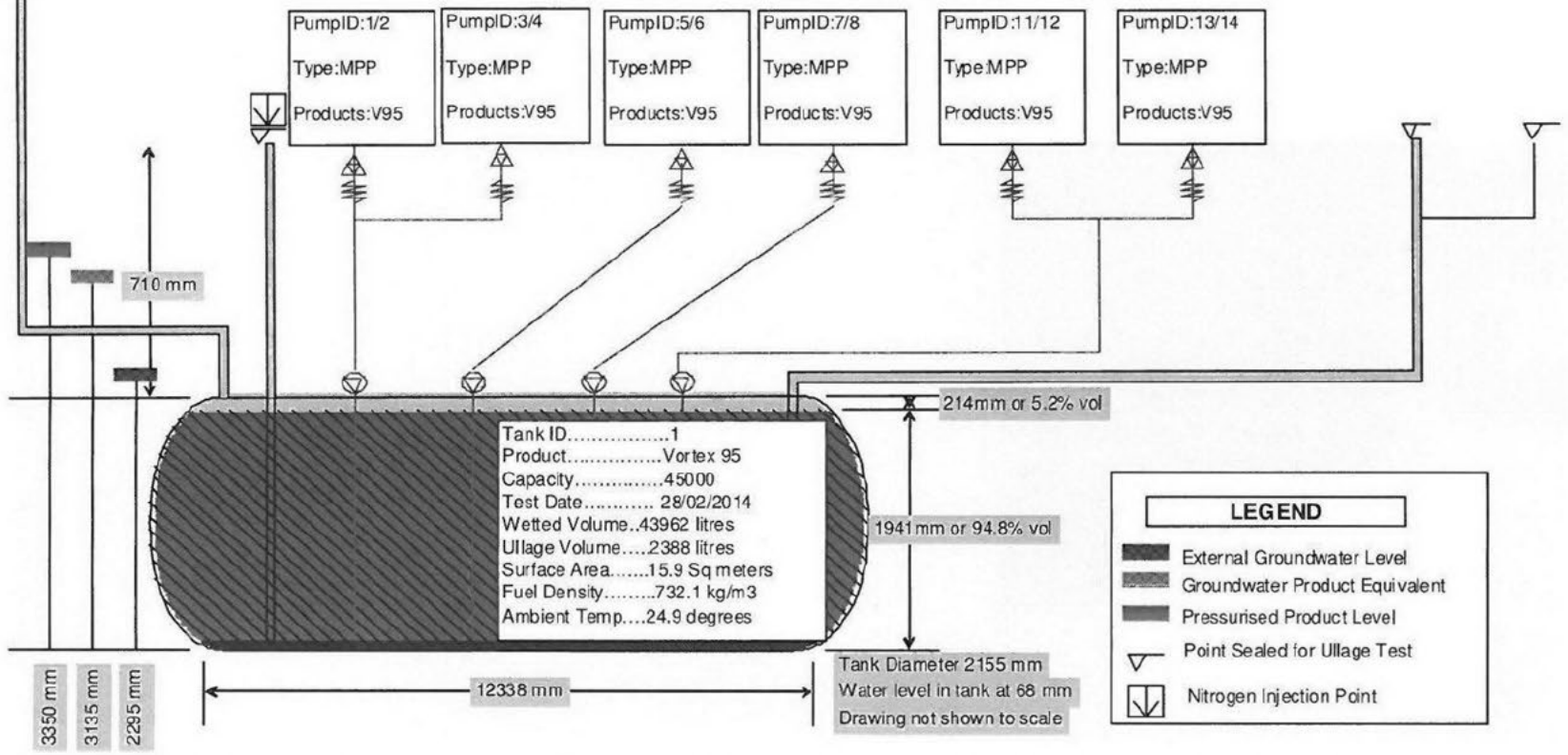
FAIL (l) 
FAIL (e) 
PASS 

Facility Details
Caltex Calwell 22176
Were St
Calwell ACT 2905

**Vortex 95 Tank 1
Round 1**








Mass Test	Time	Units
Mass 1	1:30:24 PM	13.62336
Mass 2	1:32:40 PM	13.62337
Mass 3	2:11:09 PM	13.62745
Mass 4	2:13:49 PM	13.62747
Mass 5	2:16:04 PM	13.62748
Mass 6	3:28:41 PM	13.62535
Mass 7	3:30:53 PM	13.62537
Mass 8	3:33:11 PM	13.62539
Ullage Test	Time	Pascals
Initial Value	14:22:35	105467
Test 1 Value	15:17:25	105050
Test 2 Value	15:22:25	105036
	dP/dT (Pa/5min)	-14
	Pass limit (Pa/5min)	-54.3



Tank ID.....1
Product.....Vortex 95
Capacity.....45000
Test Date.....28/02/2014
Wetted Volume.....43962 litres
Ullage Volume.....2388 litres
Surface Area.....15.9 Sq meters
Fuel Density.....732.1 kg/m³
Ambient Temp.....24.9 degrees

LEGEND

-  External Groundwater Level
-  Groundwater Product Equivalent
-  Pressurised Product Level
-  Point Sealed for Ullage Test
-  Nitrogen Injection Point

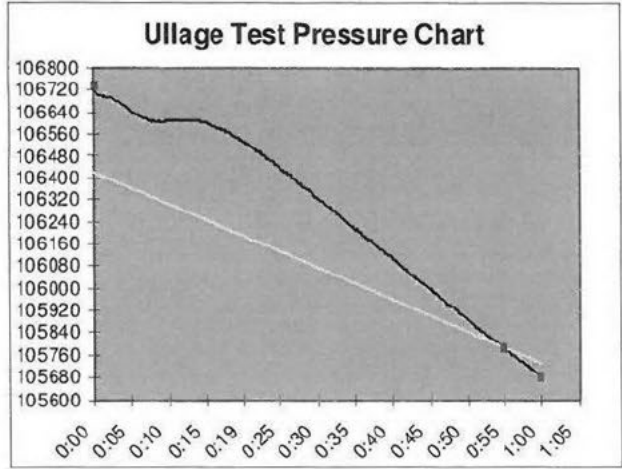
MassTech Tank Test Report

Wet (static)
Wet (pressure)
Dry

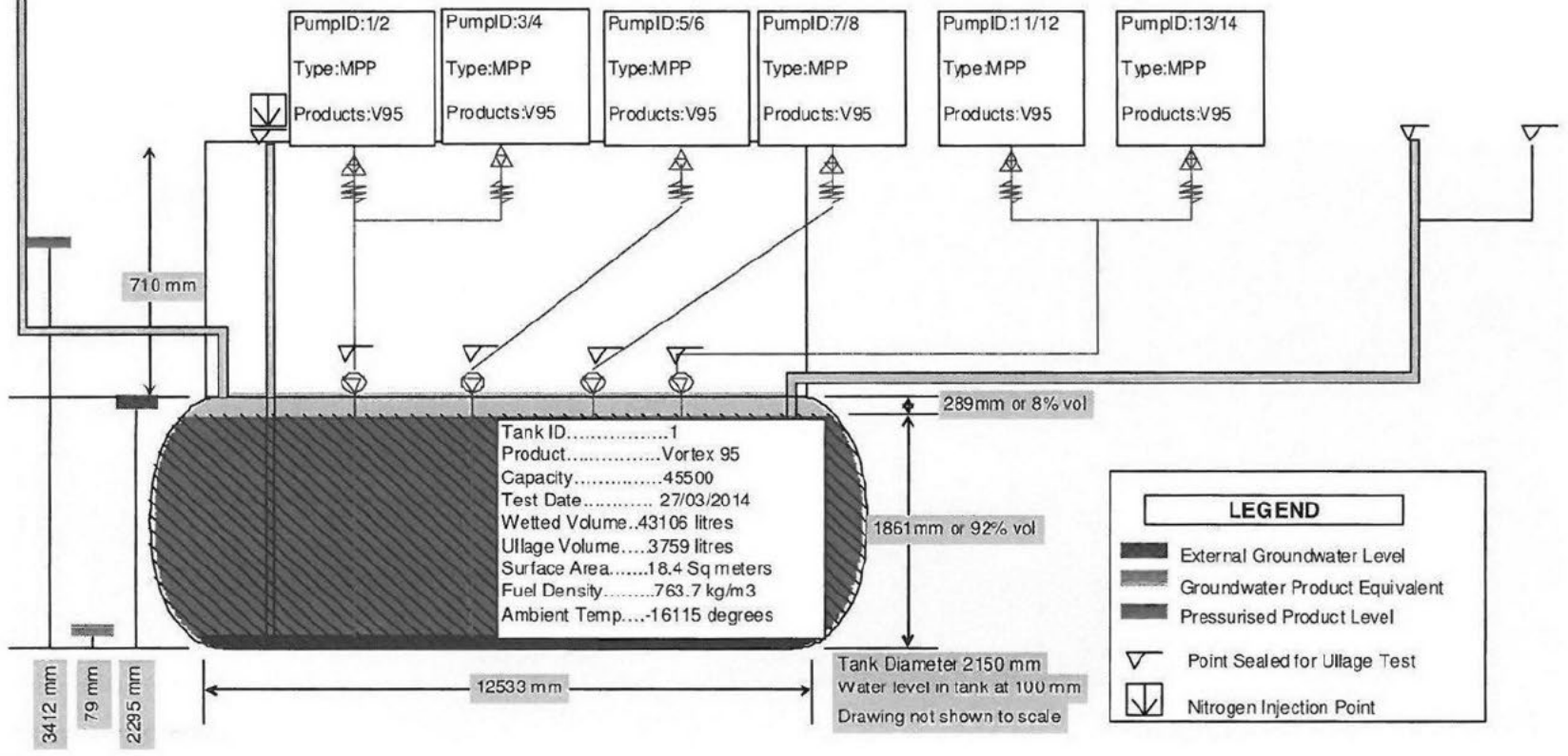
FAIL (i) 
FAIL (e) 
FAIL 

Facility Details
Caltex Calwell 22176
Were St
Calwell ACT 2905

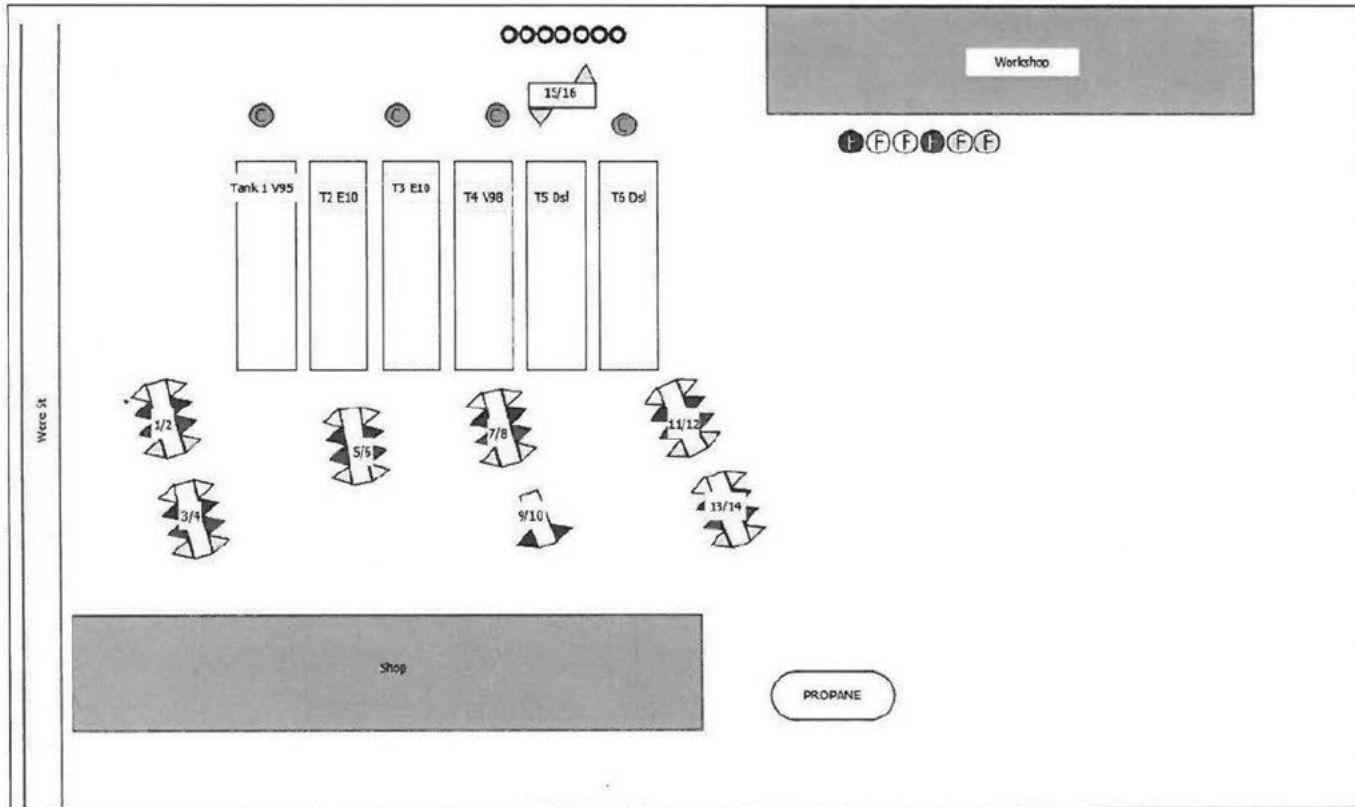
**Vortex 95 Tank 1
Round 2**



Mass Test	Time	Units
Mass 1	10:28:04 AM	13.60799
Mass 2	10:30:45 AM	13.60801
Mass 3	10:33:27 AM	13.60802
Mass 4	12:12:44 PM	13.61645
Mass 5	12:15:26 PM	13.61647
Mass 6	12:18:07 PM	13.61649
Mass 7	1:49:10 PM	13.61300
Mass 8	1:51:47 PM	13.61302
Ullage Test	Time	Pascals
Initial Value	12:41:44	106738
Test 1 Value	13:36:34	105789
Test 2 Value	13:41:34	105683
	dP/dT (Pa/5min)	-106
	Pass limit (Pa/5min)	-57.3



Site Mud Map



From: "Heckenberg, Mark"
Sent: 31/03/2014 8:42 PM
To: "Colin Roberts" [mailto:Sch 1.2(a)(i)@caltex.com.au]
Cc: "Felicity Sinnett" [mailto:Sch 1.2(a)(i)@caltex.com.au]; "Balazs, Jacqui" <Jacqui.Balazs@act.gov.au>; "Dix, Rodney" <Rodney.Dix@act.gov.au>
Subject: RE: Caltex Calwell Possible Notification by Landlord/Caltex to the ACT EPA

Good morning Colin,

Thank you for the informal notification.

I have passed this information onto the EPA's regulation area, who look after active sites, for their information and records.

Please ensure that the landlord thoroughly reviews the notification requirements under the environmental authorisation for the site and notifies the EPA if required.

Regards

Mark Heckenberg

Contaminated Sites Officer | **Environment Protection** | Environment Protection & Water Regulation | Environment and Sustainable Development | **ACT Government**

Phone: +61 2 6207 2151 | **Fax:** +61 2 6207 6084 | **email:** mark.heckenberg@act.gov.au

Level 2 North - Dame Pattie Menzies House | 16 Challis Street Dickson | GPO BOX 158 | CANBERRA ACT 2601 | www.act.gov.au

From: Colin Roberts [mailto:Sch 1.2(a)(i)@caltex.com.au]
Sent: Monday, 31 March 2014 4:44 PM
To: Heckenberg, Mark
Cc: Felicity Sinnett
Subject: Caltex Calwell Possible Notification by Landlord/Caltex to the ACT EPA

Afternoon Mark,

Last week we undertook tank and line testing at the site and on Friday afternoon we were advised of the following:

- Tank# 1 V95: The ullage area has passed, however the wet test has failed, tank valves need to be serviced to ensure they have been excluded as the cause of the liquid ingress /egress. The stage 1 result could possibly indicate the start of a tank shell breach (wetted area). Stage 2 works to be conducted.

As the landlord has full responsibility for tank and line maintenance and repair we have formally advised them this morning. As part of this communication we have also advised the landlord of obligations to notify the ACT EPA should product be detected in the groundwater and indeed the requirement to complete delineation of dissolved phase impact at the site.

The most recent groundwater data does indicate an increase in dissolved phase in one well and we advised the landlord that we consider it prudent to notify the EPA as a result.

Caltex may complete the notification on behalf of landlord and have requested a cost from PB for the installation of extraction wells (should these be required) and off-site delineation. Caltex are however under no obligation to complete this works but will assist the landlord in the process.

I shall update you later this week, once we receive a reply from the landlord.

Happy to discuss further

Cheers

Colin

Colin Roberts

Senior Environmental Specialist

CALTEX AUSTRALIA PETROLEUM PTY LTD

2 Market St. Sydney NSW 2000 | Postal: GPO Box 3916, Sydney NSW 2001

T: (02) 9250 5862 M: 0404 072 834

E: cmrober@caltex.com.au | www.caltex.com.au

OE Partnerships - Making Excellence Happen

***** IMPORTANT INFORMATION *****

This correspondence is for the named person's use only. It may contain confidential or legally privileged information or both. No confidentiality or privilege is waived or lost by any mistransmission. If you receive this correspondence in error, please immediately delete it from your system and notify the sender. You must not disclose, copy or rely on any part of this correspondence if you are not the intended recipient. Any opinions expressed in this message are those of the individual sender, except where the sender expressly, and with authority, states them to be the opinions of Caltex Australia Limited or one of its subsidiaries (collectively the "Caltex Group"). Neither the sender nor the Caltex Group warrants that any communication via the Internet is free of errors, viruses, interception or interference. Information is distributed without warranties of any kind.

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry, no matter how small, should be recorded to ensure the integrity of the financial statements. This includes not only sales and purchases but also expenses, income, and transfers between accounts.

The second part of the document provides a detailed explanation of the accounting cycle. It outlines the ten steps involved in the process, from identifying the accounting entity to preparing financial statements. Each step is described in detail, including the necessary documents and procedures to follow.

The third part of the document discusses the various methods used to record transactions. It compares the double-entry system with the single-entry system, highlighting the advantages and disadvantages of each. It also explains how to use T-accounts to organize and summarize the data.

The fourth part of the document covers the process of adjusting the accounts. It explains why adjustments are necessary and how they are made. It discusses the different types of adjustments, such as accruals, deferrals, and depreciation, and provides examples of how to record them.

The fifth part of the document discusses the preparation of financial statements. It explains the different types of statements, such as the balance sheet, income statement, and statement of cash flows, and how they are prepared. It also discusses the importance of comparing the results of the current period with those of the previous period.

The sixth part of the document discusses the closing process. It explains how to close the temporary accounts and transfer their balances to the permanent accounts. It also discusses the importance of reconciling the books and ensuring that the accounts are in balance.

The seventh part of the document discusses the importance of internal controls. It explains how to design and implement controls to prevent errors and fraud. It also discusses the role of the auditor in verifying the accuracy of the financial statements.

The eighth part of the document discusses the importance of ethics in accounting. It explains how to handle conflicts of interest and how to maintain the highest standards of integrity. It also discusses the consequences of unethical behavior and the importance of reporting any wrongdoing.

The ninth part of the document discusses the importance of communication in accounting. It explains how to communicate effectively with clients, management, and other stakeholders. It also discusses the importance of providing clear and concise information and being open to feedback.

The tenth part of the document discusses the importance of staying up-to-date on changes in accounting standards and regulations. It explains how to monitor these changes and how to implement them in the organization. It also discusses the importance of continuing education and staying current in the field.

From: Sch 2.2(a)(ii) <[redacted]@douglaspartners.com.au>
Sent: 11/01/2018 10:23 PM
To: "Heckenberg, Mark" <Mark.Heckenberg@act.gov.au>
Subject: RE: Caltex Calwell Site
Attachments: RE: Monitoring Status --- Tsoulias - Calwell Caltex site

Mark

See attached chain of emails.

Sch 2.2(a)(ii) | Principal
Douglas Partners Pty Ltd | ABN 75 053 980 117 |
www.douglaspartners.com.au
96 Hermitage Road West Ryde NSW 2114 | PO Box 472 West
Ryde NSW 1685
P: 02 9809 0666 | F: 02 9809 4095 | M: Sch 2.2(a)(ii) | E:
Sch 2.2(a)(ii)@douglaspartners.com.au



This email is confidential. If you are not the intended recipient, please notify us immediately and be aware that any disclosure, copying, distribution or use of the contents of this information is prohibited. Please note that the company does not make any commitment through emails not confirmed by fax or letter.

From: Heckenberg, Mark [mailto:Mark.Heckenberg@act.gov.au]
Sent: Friday, 12 January 2018 9:04 AM
To: Mike Nash; Con Tsoulias; Sch 2.2(a)(ii)@groupt.com.au
Cc: McIntyre, Sara
Subject: Caltex Calwell Site

Good morning All,

I would appreciate an update on the progress of the assessment, remediation and audit of this site as required by the conditions of development approval for the site's retanking.

A recent groundwater monitoring report for the site submitted to the Environment Protection Authority under the site's Environmental Authorisation has identified the potential for unacceptable risks to on and/or offsite receptors through vapour intrusion from the identified hydrocarbon impacts to groundwater.

Please provide this update by close of business 19 January 2018.

Thank you.

Regards

Mark Heckenberg | Manager, Contaminated Sites | Environmental Quality
Phone: 02 6207 2151 | Email: mark.heckenberg@act.gov.au
Construction, Environment and Workplace Protection | Access Canberra | ACT Government
Ground Floor TransACT House, 470 Northbourne Avenue, Dickson 2602

This email, and any attachments, may be confidential and also privileged. If you are not the intended recipient, please notify the sender and delete all copies of this transmission along with any attachments immediately. You should not copy or use it for any purpose, nor disclose its contents to any other person.

Disclaimer

The information contained in this communication from the sender is confidential. It is intended solely for use by the recipient and others authorized to receive it. If you are not the recipient, you are hereby notified that any disclosure, copying, distribution or taking action in relation of the contents of this information is strictly prohibited and may be unlawful.

This email has been scanned for viruses and malware, and may have been automatically archived by **Mimecast Ltd**, an innovator in Software as a Service (SaaS) for business. Providing a **safer** and **more useful** place for your human generated data. Specializing in; Security, archiving and compliance. To find out more [Click Here](#).

the 1990s, the number of people in the UK who are aged 65 and over has increased from 10.5 million to 13.2 million, with the number of people aged 75 and over increasing from 3.3 million to 4.5 million (Office for National Statistics 2002). The number of people aged 85 and over has increased from 0.8 million to 1.4 million in the same period.

There is a growing awareness of the need to address the health care needs of the elderly population. The Department of Health (2001) has set out a strategy for the NHS to meet the needs of the elderly population. This strategy is based on the following principles:

- To ensure that the NHS is able to meet the needs of the elderly population.
- To ensure that the NHS is able to provide a high quality of care for the elderly population.
- To ensure that the NHS is able to provide a range of services to meet the needs of the elderly population.
- To ensure that the NHS is able to provide a range of services to meet the needs of the elderly population.

The NHS has a number of initiatives in place to address the needs of the elderly population. These include the following:

- The NHS has established a number of specialist services for the elderly population, such as the NHS Ageing Well Programme.
- The NHS has established a number of specialist services for the elderly population, such as the NHS Ageing Well Programme.
- The NHS has established a number of specialist services for the elderly population, such as the NHS Ageing Well Programme.

The NHS has a number of initiatives in place to address the needs of the elderly population. These include the following:

- The NHS has established a number of specialist services for the elderly population, such as the NHS Ageing Well Programme.
- The NHS has established a number of specialist services for the elderly population, such as the NHS Ageing Well Programme.
- The NHS has established a number of specialist services for the elderly population, such as the NHS Ageing Well Programme.

From: "Heckenberg, Mark"
Sent: 12/01/2018 3:20 AM
To: Sch 2.2(a)(ii) @douglaspartners.com.au
Subject: RE: Caltex Calwell Site

Thanks Sch 2.2(a)(ii)

Mark Heckenberg | Manager, Contaminated Sites | Environmental Quality
Phone: 02 6207 2151 | Email: mark.heckenberg@act.gov.au
Construction, Environment and Workplace Protection | Access Canberra | ACT Government
Ground Floor TransACT House, 470 Northbourne Avenue, Dickson 2602
GPO Box 158 Canberra ACT 2601 | <http://www.act.gov.au/accesscbr>

From: Sch 2.2(a)(ii) @douglaspartners.com.au]
Sent: Friday, 12 January 2018 9:24 AM
To: Heckenberg, Mark <Mark.Heckenberg@act.gov.au>
Subject: RE: Caltex Calwell Site

Mark

See attached chain of emails.

Sch 2.2(a)(ii) Principal
Douglas Partners Pty Ltd | ABN 75 053 980 117 |
www.douglaspartners.com.au
96 Hermitage Road West Ryde NSW 2114 | PO Box 472 West
Ryde NSW 1685
P: 02 9809 0666 | F: 02 9809 4095 | M: Sch 2.2(a)(ii) E:
Sch 2.2(a)(ii)@douglaspartners.com.au

FINANCIAL REVIEW
CLIENT CHOICE AWARDS 2017
WINNER **beaton**



This email is confidential. If you are not the intended recipient, please notify us immediately and be aware that any disclosure, copying, distribution or use of the contents of this information is prohibited. Please note that the company does not make any commitment through emails not confirmed by fax or letter.

From: Heckenberg, Mark [<mailto:Mark.Heckenberg@act.gov.au>]
Sent: Friday, 12 January 2018 9:04 AM
To: @groupt.com.au
Cc: McIntyre, Sara
Subject: Caltex Calwell Site

Good morning All,

I would appreciate an update on the progress of the assessment, remediation and audit of this site as required by the conditions of development approval for the site's retanking.

A recent groundwater monitoring report for the site submitted to the Environment Protection Authority under the site's Environmental Authorisation has identified the potential for unacceptable risks to on and/or offsite receptors through vapour intrusion from the identified hydrocarbon impacts to groundwater.

Please provide this update by close of business 19 January 2018.

Thank you.

Regards

Mark Heckenberg | Manager, Contaminated Sites | Environmental Quality

Phone: 02 6207 2151 | Email: mark.heckenberg@act.gov.au

Construction, Environment and Workplace Protection | Access Canberra | ACT Government

Ground Floor TransACT House, 470 Northbourne Avenue, Dickson 2602

GPO Box 158 Canberra ACT 2601 | <http://www.act.gov.au/accesscbr>

This email, and any attachments, may be confidential and also privileged. If you are not the intended recipient, please notify the sender and delete all copies of this transmission along with any attachments immediately. You should not copy or use it for any purpose, nor disclose its contents to any other person.

Disclaimer

The information contained in this communication from the sender is confidential. It is intended solely for use by the recipient and others authorized to receive it. If you are not the recipient, you are hereby notified that any disclosure, copying, distribution or taking action in relation of the contents of this information is strictly prohibited and may be unlawful.

This email has been scanned for viruses and malware, and may have been automatically archived by **Mimecast Ltd**, an innovator in Software as a Service (SaaS) for business. Providing a **safer** and **more useful** place for your human generated data. Specializing in; Security, archiving and compliance. To find out more [Click Here](#).

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry, no matter how small, should be recorded to ensure the integrity of the financial data. This includes not only sales and purchases but also expenses and income. The document provides a detailed list of items that should be tracked, such as inventory levels, accounts payable, and accounts receivable. It also outlines the procedures for recording these transactions, including the use of double-entry bookkeeping and the importance of regular reconciliations.

The second part of the document focuses on the analysis of the recorded data. It explains how to calculate key financial ratios and metrics, such as the gross profit margin, operating profit margin, and return on equity. These metrics are used to assess the company's financial performance and to identify areas for improvement. The document also discusses the importance of comparing the company's performance to industry benchmarks and to its own historical performance.

The third part of the document addresses the issue of financial reporting. It explains the different types of financial statements, including the balance sheet, income statement, and cash flow statement, and how they are prepared. It also discusses the importance of providing clear and concise explanations of the data presented in these statements. The document provides a detailed guide to the format and content of each statement, as well as the requirements for disclosing certain information.

Finally, the document discusses the role of the auditor in the financial reporting process. It explains the different types of audits, including internal audits and external audits, and the importance of maintaining an independent and objective attitude. It also discusses the requirements for auditors, including the need for professional certification and the importance of adhering to strict ethical standards.

From: "Dinesh Poudyal" [Sch 2.2(a)(ii)] <[redacted]@caltex.com.au>
Sent: 08/01/2020 12:20 AM
To: "McIntyre, Sara" <Sara.McIntyre@act.gov.au>; "Heckenberg, Mark" <Mark.Heckenberg@act.gov.au>
Cc: "Jonathan Lekawski" [Sch 2.2(a)(ii)] <[redacted]@caltex.com.au>; "Liane Tempest-Wilson" <liane.tempestwilson@caltex.com.au>
Subject: RE: Calwell 22176 (EA 0748) [SEC=UNCLASSIFIED] Liane Tempest-Wilson [Sch 2.2(a)(ii)] <[redacted]@caltex.com.au>

Hi Sara & Mark,

Happy New Year. Hope you had a good break.

We will be forwarding the 2019 report to the landlord this week together with your email. Caltex had previously reiterated to the landlord the potential off-site vapour risk issue and the requirement to develop a remedial plan including review/endorsement by an auditor. We are not privy to whether the landlord have engaged with EPA on this matter.

Please feel free to engage with the landlord directly. In the meantime, if we get a response from the landlord, we will share with the EPA.

On a separate note, I am currently on a secondment role within Caltex managing the Divestment Program. I wanted to take the opportunity to introduce **Jonathan Lekawski** (cced) who is currently filling in my previous role and going forward will be the primary point of contact for Caltex sites in ACT.

Of course, please do not hesitate to contact me if have any questions project-related or otherwise in future.

Kind Regards

Dinesh

Dinesh Poudyal
Program Lead Divestments

CALTEX AUSTRALIA PETROLEUM PTY LTD
2 Market St, Sydney NSW 2000 | Postal: GPO Box 3916, Sydney NSW 2000
T: (02) 9250 5735 | M: [Sch 2.2(a)(ii)] | F: (02) 9250 5742
E: [Sch 2.2(a)(ii)]@caltex.com.au | www.caltex.com.au



From: McIntyre, Sara <Sara.McIntyre@act.gov.au>
Sent: Tuesday, 7 January 2020 2:35 PM
To: Liane Tempest-Wilson [Sch 2.2(a)(ii)] <[redacted]@caltex.com.au>
Cc: Dinesh Poudyal [Sch 2.2(a)(ii)] <[redacted]@caltex.com.au>; Jonathan Lekawski <[redacted]@caltex.com.au>
Subject: RE: Calwell 22176 (EA 0748) [SEC=UNCLASSIFIED]

Hi Liane,

The GME report for the Calwell site identifies that there is a potential off-site risk for vapour intrusion.

An assessment must be undertaken to determine whether the impacts identified warrant re-notification under section 23A of the Environment Protection Act 1997. Where unacceptable risks to human health and/or the

environment are identified an appropriate Auditor endorsed and Environment Protection Authority supported site management plan must be provided to the land custodians of the off-site receptors to manage these risks. Appropriate remedial works, supported by the Auditor, must also be undertaken to ensure risks are acceptable for the various permitted uses of each of the impacted sites.

Please contact me if you require any further information,

Kind regards,

Sara McIntyre | Environment Protection Officer | Environment Protection

Phone: 02 6207 2144 | Fax: 02 6207 6084 | email: sara.mcintyre@act.gov.au

Environment Protection Authority | Access Canberra | ACT Government

TransACT House, 470 Northbourne Avenue, Dickson | GPO BOX 158 | CANBERRA ACT 2601 | www.accesscanberra.act.gov.au

Please note that my work hours are Monday to Friday, 9.30 am to 2.30 pm.

From: Liane Tempest-Wilson [[mailto:Sch 2.2\(a\)\(ii\)@caltex.com.au](mailto:Sch 2.2(a)(ii)@caltex.com.au)]

Sent: Thursday, 19 December 2019 2:49 PM

To: McIntyre, Sara <Sara.McIntyre@act.gov.au>

Cc: Dinesh Poudyal [[Sch 2.2\(a\)\(ii\)@caltex.com.au](mailto:Sch 2.2(a)(ii)@caltex.com.au)]; Jonathan Lekawski [[Sch 2.2\(a\)\(ii\)@caltex.com.au](mailto:Sch 2.2(a)(ii)@caltex.com.au)]

Subject: Calwell 22176 (EA 0748)

Hi Sara,

Please find attached GME report for Calwell (EA 0748).

Can you please confirm receipt?

Thanks,

Liane Tempest-Wilson
Environmental Specialist

CALTEX AUSTRALIA PETROLEUM PTY LTD
2 Market St. Sydney NSW 2000 | Postal: GPO Box 3916, Sydney NSW 2001
T: (02) 9250 5418 | M: [[Sch 2.2\(a\)\(ii\)@caltex.com.au](mailto:Sch 2.2(a)(ii)@caltex.com.au)] | F: 02 9250 5015

E: liane.tempestwilson@caltex.com.au | www.caltex.com.au

OE Partnerships – Making Excellence Happen



CALTEX | *With you all the way*

*** IMPORTANT INFORMATION ***

This correspondence is for the named person's use only. It may contain confidential or legally privileged information or both. No confidentiality or privilege is waived or lost by any mistransmission. If you receive this correspondence in error, please immediately delete it from your system and notify the sender. You must not disclose, copy or rely on any part of this correspondence if you are not the intended recipient. Any opinions expressed in this message are those of the individual sender, except where the sender expressly, and with authority, states them to be the opinions of Caltex Australia Limited or one of its subsidiaries (collectively the "Caltex Group"). Neither the sender nor the Caltex Group warrants that any communication via the Internet is free of errors, viruses, interception or interference. Information is distributed without warranties of any kind.

This email, and any attachments, may be confidential and also privileged. If you are not the intended recipient, please notify the sender and delete all copies of this transmission along with any attachments immediately. You should not copy or use it for any purpose, nor disclose its contents to any other person.

[REDACTED]

If you consider this message to be unsolicited junk please click [here](#) . This will submit a copy to Websense for review by the Spam Team.

***** IMPORTANT INFORMATION *****

This correspondence is for the named person's use only. It may contain confidential or legally privileged information or both. No confidentiality or privilege is waived or lost by any mistransmission. If you receive this correspondence in error, please immediately delete it from your system and notify the sender. You must not disclose, copy or rely on any part of this correspondence if you are not the intended recipient. Any opinions expressed in this message are those of the individual sender, except where the sender expressly, and with authority, states them to be the opinions of Caltex Australia Limited or one of its subsidiaries (collectively the "Caltex Group"). Neither the sender nor the Caltex Group warrants that any communication via the Internet is free of errors, viruses, interception or interference. Information is distributed without warranties of any kind.

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry, no matter how small, should be recorded to ensure the integrity of the financial statements. This includes not only sales and purchases but also expenses, income, and any other financial activity.

The second part of the document provides a detailed breakdown of the accounting process. It starts with the identification of the accounting cycle, which consists of eight steps: identifying the accounting cycle, analyzing and recording the business transactions, adjusting the accounts, and preparing the financial statements. Each step is explained in detail, with examples and practical advice.

The third part of the document focuses on the preparation of financial statements. It covers the balance sheet, the income statement, and the statement of cash flows. It explains how to calculate net income, how to determine the ending balance of an account, and how to present the information in a clear and concise manner.

The fourth part of the document discusses the importance of internal controls. It explains how to design and implement a system of internal controls to prevent errors and fraud. This includes separating duties, requiring authorization, and maintaining proper documentation.

The fifth part of the document covers the topic of depreciation. It explains how to calculate the cost of an asset, how to determine its useful life, and how to allocate the cost over time. It also discusses the different methods of depreciation, such as straight-line, declining balance, and units of production.

The sixth part of the document discusses the importance of budgeting. It explains how to create a budget, how to monitor it, and how to adjust it if necessary. It also discusses the benefits of budgeting, such as improved financial planning and control.

The seventh part of the document covers the topic of taxes. It explains how to calculate income tax, how to determine the tax liability, and how to pay it. It also discusses the different types of taxes, such as income tax, sales tax, and property tax.

The eighth part of the document discusses the importance of financial ratios. It explains how to calculate various ratios, such as the current ratio, the debt-to-equity ratio, and the return on equity ratio. It also discusses how to interpret these ratios and how they can be used to evaluate the financial performance of a company.

The ninth part of the document covers the topic of financial forecasting. It explains how to use historical data to predict future financial performance. It also discusses the different methods of forecasting, such as the moving average method and the exponential smoothing method.

The tenth part of the document discusses the importance of financial reporting. It explains how to prepare financial statements, how to present them, and how to use them to make informed decisions. It also discusses the different types of financial reports, such as the annual report and the quarterly report.

From: Sch 2.2(a)(ii) @douglaspartners.com.au
Sent: 27/05/2015 12:50 AM
To: "Heckenberg, Mark" <Mark.Heckenberg@act.gov.au>
Subject: RE: Calwell Service Station - ACT

Mark

Thanks for the feedback. I am awaiting further instruction from the prospective client regarding the audit and will of course notify EPA if the audit proceeds.

Out of scope

Sch 2.2(a)(ii) | Principal

Douglas Partners Pty Ltd | ABN 75 053 980 117 | www.douglaspartners.com.au
96 Hermitage Road West Ryde NSW 2114 | PO Box 472 West Ryde NSW 1685
P: 02 9809 0666 | F: 02 9809 4095 | M: Sch 2.2(a)(ii) | E: Sch 2.2(a)(ii)@douglaspartners.com.au

This email is confidential. If you are not the intended recipient, please notify us immediately and be aware that any disclosure, copying, distribution or use of the contents of this information is prohibited. Please note that the company does not make any commitment through emails not confirmed by fax or letter.

From: Heckenberg, Mark [mailto:Mark.Heckenberg@act.gov.au]
Sent: Monday, 25 May 2015 7:26 AM
To: Sch 2.2(a)(ii)
Subject: RE: Calwell Service Station - ACT

Sch 2.2(a)(ii)

The audit does relate specifically to the environmental investigation requirements within the development consent conditions, that is the suitability of the site for its permitted uses under its lease, including continued petroleum use. As indicated in these conditions the EPA will generally support the retanking of these types of sites on the basis of favourable Auditor Interim Advice. This was explained to Mr Khoury and his architect. The other EPA requirements within the consent conditions in relation to the installation of this infrastructure will be managed by the EPA's regulation unit.

Happy to discuss.

Regards

Mark Heckenberg | Contaminated Sites Officer | Environment Protection |
Environment Protection Authority | Access Canberra | ACT Government
Level 2 North Dame Pattie Menzies House, 16 Challis Street, Dickson | GPO BOX 158 CANBERRA ACT 2601
Ph: (02) 6207 2151
Fax: (02) 6207 6084
email: mark.heckenberg@act.gov.au
website: <http://www.environment.act.gov.au>

From: Sch 2.2(a)(ii) @douglaspartners.com.au

Sent: Monday, 18 May 2015 11:35 AM

To: Heckenberg, Mark

Subject: Calwell Service Station - ACT

Mark

I have been contacted by Mr Sam Khoury in regard to undertaking an audit of the Caltex Service Station at the above site (see attached).

He has advised that the audit is required simply in respect to the checking of the proper installation (replacement) of various tanks and related appurtenances such that they comply with the relevant guidelines (akin to the NSW EPA's UPSS guidelines), but the attached conditions, particularly Part 1 (A2-A4 and B2), as well as 'Information Sheet 1 – Decommissioning, assessment and audit of sites containing above ground or underground fuel storage tanks' and 'Information Sheet 3 – Requirements for the assessment and validation of sites containing above ground or underground fuel storage tanks' etc, would suggest otherwise. I also understand that Mr Khoury has spoken to you in this regard.

Accordingly, and before I submit a quote to Mr Khoury for the audit, could you please clarify that the requirements for the investigations and audit at the above site are indeed as stated in the consent (as attached) and will need to be undertaken generally as outlined in the Information Sheets and related guidelines referenced therein, or otherwise? Happy to discuss.

Regards,

PS - I understand that EIS will be the appointed consultant.

Sch 2.2(a)(ii) Principal

Douglas Partners Pty Ltd | ABN 75 053 980 117 | www.douglaspartners.com.au

96 Hermitage Road West Ryde NSW 2114 | PO Box 472 West Ryde NSW 1685

P: 02 9809 0666 | F: 02 9809 4095 | M: Sch 2.2(a)(ii) @douglaspartners.com.au

This email is confidential. If you are not the intended recipient, please notify us immediately and be aware that any disclosure, copying, distribution or use of the contents of this information is prohibited. Please note that the company does not make any commitment through emails not confirmed by fax or letter.

This email, and any attachments, may be confidential and also privileged. If you are not the intended recipient, please notify the sender and delete all copies of this transmission along with any attachments immediately. You should not copy or use it for any purpose, nor disclose its contents to any other person.

This message has been scanned and no issues discovered.
[Click here](#) to report this email as spam

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry, no matter how small, should be recorded to ensure the integrity of the financial statements. This includes not only sales and purchases but also expenses, income, and any other financial activity.

The second part of the document provides a detailed breakdown of the accounting process. It starts with the identification of the accounting cycle, which consists of eight steps: identifying the accounting cycle, analyzing and journalizing the transactions, posting to the ledger, determining debits and credits, preparing a trial balance, adjusting the entries, preparing financial statements, and closing the books.

The third part of the document focuses on the preparation of financial statements. It explains how to use the trial balance to identify any errors and how to adjust the entries to reflect the true financial position of the company. It also discusses the importance of comparing the financial statements to the previous period to identify trends and changes.

The fourth part of the document discusses the role of the accountant in the business. It highlights the need for the accountant to be objective, accurate, and to maintain confidentiality. It also emphasizes the importance of staying up-to-date on changes in accounting standards and regulations.

The fifth part of the document provides a summary of the key points discussed in the document. It reiterates the importance of accurate record-keeping, the accounting cycle, the preparation of financial statements, and the role of the accountant.

From: "Power, David"
Sent: 18/05/2015 3:47 AM
To: Sch 2.2(a)(ii) @douglaspartners.com.au
Cc: "Heckenberg, Mark" <Mark.Heckenberg@act.gov.au>
Subject: RE: Calwell Service Station - ACT

Hi Sch 2.2(a)(ii)

Yes the conditions are as stated in the DA approval ie Pursuant to condition A2 the site will need to be audited and pursuant to A3 no new infrastructure can be installed until the audit is either finished or interim advice has been issued.

I note sure how much condition A4 would relate to the auditor but there is a typo for the date for the Hydrocarbon Storage Guideline, its 2014 not 2004.

Regards

David

From: Sch 2.2(a)(ii) @douglaspartners.com.au]
Sent: Monday, 18 May 2015 11:42 AM
To: Power, David
Subject: FW: Calwell Service Station - ACT

David

Please see below + attached.

In Mark's absence would you mind responding?

Sch 2.2(a)(ii) Principal

Douglas Partners Pty Ltd | ABN 75 053 980 117 | www.douglaspartners.com.au
96 Hermitage Road West Ryde NSW 2114 | PO Box 472 West Ryde NSW 1685
P: 02 9809 0666 | F: 02 9809 4095 | M Sch 2.2(a)(ii) @douglaspartners.com.au

This email is confidential. If you are not the intended recipient, please notify us immediately and be aware that any disclosure, copying, distribution or use of the contents of this information is prohibited. Please note that the company does not make any commitment through emails not confirmed by fax or letter.

From: Sch 2.2(a)(ii)
Sent: Monday, 18 May 2015 11:35 AM
To: 'Heckenberg, Mark'
Subject: Calwell Service Station - ACT

Mark

I have been contacted by Mr Sam Khoury in regard to undertaking an audit of the Caltex Service Station at the above site (see attached).

He has advised that the audit is required simply in respect to the checking of the proper installation (replacement) of various tanks and related appurtenances such that they comply with the relevant guidelines (akin to the NSW EPA's UPSS guidelines), but the attached conditions, particularly Part 1 (A2-A4 and B2), as well as 'Information Sheet 1 – Decommissioning, assessment and audit of sites containing above ground or underground fuel storage tanks' and 'Information Sheet 3 – Requirements for the assessment and validation of sites containing above ground or underground fuel storage tanks' etc, would suggest otherwise. I also understand that Mr Khoury has spoken to you in this regard.

Accordingly, and before I submit a quote to Mr Khoury for the audit, could you please clarify that the requirements for the investigations and audit at the above site are indeed as stated in the consent (as attached) and will need to be undertaken generally as outlined in the Information Sheets and related guidelines referenced therein, or otherwise? Happy to discuss.

Regards.

PS - I understand that EIS will be the appointed consultant.

Sch 2.2(a)(ii) Principal

Douglas Partners Pty Ltd | ABN 75 053 980 117 | www.douglaspartners.com.au

96 Hermitage Road West Ryde NSW 2114 | PO Box 472 West Ryde NSW 1685

P: 02 9809 0666 | F: 02 9809 4095 | M: Sch 2.2(a)(ii) @douglaspartners.com.au

This email is confidential. If you are not the intended recipient, please notify us immediately and be aware that any disclosure, copying, distribution or use of the contents of this information is prohibited. Please note that the company does not make any commitment through emails not confirmed by fax or letter.

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry, no matter how small, should be recorded to ensure the integrity of the financial statements. This includes not only sales and purchases but also expenses, income, and transfers between accounts.

The second part of the document provides a detailed breakdown of the accounting cycle. It outlines the ten steps involved in the process, from identifying the accounting entity to preparing financial statements. Each step is explained in detail, with examples provided to illustrate the concepts.

The third part of the document discusses the various types of accounts used in accounting. It distinguishes between assets, liabilities, equity, revenue, and expense accounts, and explains how they are classified and balanced. It also covers the concept of debits and credits, and how they are used to record transactions.

The fourth part of the document discusses the importance of internal controls in accounting. It explains how internal controls help to prevent errors and fraud, and how they can be designed to ensure the accuracy and reliability of financial information.

The fifth part of the document discusses the role of the accountant in the business. It explains how accountants provide valuable information to management and other stakeholders, and how they can help to improve the financial performance of the organization.

The sixth part of the document discusses the various methods used to record transactions. It compares the double-entry system with the single-entry system, and explains the advantages and disadvantages of each. It also discusses the use of journals and ledgers to record and summarize transactions.

The seventh part of the document discusses the importance of adjusting entries. It explains how adjusting entries are used to ensure that the financial statements are accurate and up-to-date, and how they are recorded in the accounting system.

The eighth part of the document discusses the various types of financial statements. It explains the purpose and content of the balance sheet, income statement, statement of retained earnings, and statement of cash flows, and how they are prepared and analyzed.

The ninth part of the document discusses the importance of closing entries. It explains how closing entries are used to transfer the balances of temporary accounts to permanent accounts, and how they are recorded in the accounting system.

The tenth part of the document discusses the various methods used to verify the accuracy of the accounting system. It explains the use of trial balances, reconciling statements, and other techniques to ensure that the financial information is reliable and accurate.

From: "Heckenberg, Mark"
Sent: 24/05/2015 9:25 PM
To: Sch 2.2(a)(ii) @douglaspartners.com.au>
Subject: RE: Calwell Service Station - ACT

Sch 2.2(a)(ii)

The audit does relate specifically to the environmental investigation requirements within the development consent conditions, that is the suitability of the site for its permitted uses under its lease, including continued petroleum use. As indicated in these conditions the EPA will generally support the retanking of these types of sites on the basis of favourable Auditor Interim Advice. This was explained to Mr Khoury and his architect. The other EPA requirements within the consent conditions in relation to the installation of this infrastructure will be managed by the EPA's regulation unit.

Happy to discuss.

Regards

Mark Heckenberg | Contaminated Sites Officer | Environment Protection |
Environment Protection Authority | Access Canberra | **ACT Government**
Level 2 North Dame Pattie Menzies House, 16 Challis Street, Dickson | GPO BOX 158 CANBERRA ACT 2601
Ph: (02) 6207 2151
Fax: (02) 6207 6084
email: mark.heckenberg@act.gov.au
website: <http://www.environment.act.gov.au>

From: Sch 2.2(a)(ii) @douglaspartners.com.au]
Sent: Monday, 18 May 2015 11:35 AM
To: Heckenberg, Mark
Subject: Calwell Service Station - ACT

Mark

I have been contacted by Mr Sam Khoury in regard to undertaking an audit of the Caltex Service Station at the above site (see attached).

He has advised that the audit is required simply in respect to the checking of the proper installation (replacement) of various tanks and related appurtenances such that they comply with the relevant guidelines (akin to the NSW EPA's UPSS guidelines), but the attached conditions, particularly Part 1 (A2-A4 and B2), as well as *'Information Sheet 1 – Decommissioning, assessment and audit of sites containing above ground or underground fuel storage tanks'* and *'Information Sheet 3 – Requirements for the assessment and validation of sites containing above ground or underground fuel storage tanks'* etc, would suggest otherwise. I also understand that Mr Khoury has spoken to you in this regard.

Accordingly, and before I submit a quote to Mr Khoury for the audit, could you please clarify that the requirements for the investigations and audit at the above site are indeed as stated in the consent (as attached) and will need to be undertaken generally as outlined in the Information Sheets and related guidelines referenced therein, or otherwise? Happy to discuss.

Regards.

PS - I understand that EIS will be the appointed consultant.

Sch 2.2(a)(ii)

Principal

Douglas Partners Pty Ltd | ABN 75 053 980 117 | www.douglaspartners.com.au
96 Hermitage Road West Ryde NSW 2114 | PO Box 472 West Ryde NSW 1685
P: 02 9809 0666 | F: 02 9809 4095 | M Sch 2.2(a)(ii) @douglaspartners.com.au

This email is confidential. If you are not the intended recipient, please notify us immediately and be aware that any disclosure, copying, distribution or use of the contents of this information is prohibited. Please note that the company does not make any commitment through emails not confirmed by fax or letter.

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry, no matter how small, should be recorded to ensure the integrity of the financial statements. This includes not only sales and purchases but also expenses, income, and any other financial activity.

The second part of the document provides a detailed breakdown of the accounting cycle. It outlines the ten steps involved in the process, from identifying the accounting entity to preparing financial statements. Each step is explained in detail, with examples provided to illustrate the concepts.

The third part of the document discusses the various types of accounts used in accounting. It categorizes accounts into assets, liabilities, equity, revenue, and expense accounts. It also explains how these accounts are used to record transactions and how they are balanced at the end of each period.

The fourth part of the document discusses the importance of adjusting entries. It explains how these entries are used to ensure that the financial statements reflect the true financial position of the company at the end of the period. Examples are provided to show how adjusting entries are recorded and how they affect the accounts.

The fifth part of the document discusses the preparation of financial statements. It outlines the steps involved in preparing the balance sheet, income statement, and statement of owner's equity. It also discusses the importance of providing a clear and concise explanation of the financial results.

The sixth part of the document discusses the importance of internal controls. It explains how these controls are used to prevent and detect errors and fraud. Examples are provided to show how internal controls are implemented in a business.

The seventh part of the document discusses the importance of ethics in accounting. It explains how accountants are expected to act in a fair and honest manner and to follow the principles of the accounting profession. Examples are provided to show how ethical decisions are made in accounting.

The eighth part of the document discusses the importance of communication in accounting. It explains how accountants must be able to communicate financial information effectively to management and other stakeholders. Examples are provided to show how communication is used in accounting.

The ninth part of the document discusses the importance of technology in accounting. It explains how technology is used to automate accounting processes and to improve the accuracy and efficiency of the system. Examples are provided to show how technology is used in accounting.

The tenth part of the document discusses the importance of continuous learning in accounting. It explains how accountants must stay up-to-date on the latest developments in the field and how they can continue to learn throughout their careers. Examples are provided to show how continuous learning is achieved in accounting.

From: Sch 2.2(a)(ii) @optusnet.com.au
Sent: 18/06/2015 4:53 PM
To: "Heckenberg, Mark" <Mark.Heckenberg@act.gov.au>
Subject: RE: Calwell Tank Replacement

Many, many thanks Mark.

Regards

Sam Khoury

----- Original Message -----

From:
"Heckenberg Mark" <Mark.Heckenberg@act.gov.au>

To:
Sch 2.2(a)(ii) @optusnet.com.au
Cc:

Sent:
Wed, 17 Jun 2015 21:44:49 +0000
Subject:
RE: Calwell Tank Replacement

Sam,

The Auditor's proposal would generally satisfy the EPA's requirements with regard to meeting the DA conditions. As discussed Auditor interim advice can be issued to facilitate the commencement of retanking prior to the completion of all site assessment works provided the Auditor is satisfied that retanking will not inhibit the further assessment and remediation works required at the site.

EIS' (the consultant's) proposal makes repeated reference to NSW legislation, policy and guidelines which do not necessarily apply in the ACT. It is highly recommended that the consultant must make themselves familiar with ACT legislation and policy prior to the commencement of work so as to not potentially delay the assessment and remediation process. As indicated in the conditions of development approval the RAP (and assessment of the site) must also include the removal of all previously abandoned tanks and infrastructure, as appropriate, and assessment of the relevant areas of the site. As indicated in the Auditor's proposal, and required in order to meet the conditions of development approval, the consultant will also be required to prepare a sampling plan (to the Auditor's satisfaction), prepare a site validation report following remedial works and if necessary prepare a management plan for the site should residual impacts remain at the site which require on-going management. All on ground works including groundwater well installation and monitoring will also need to be appropriately included.

Regards

Mark Heckenberg | Contaminated Sites Officer | Environment Protection |
Environment Protection Authority | **Access Canberra** | **ACT Government**

Level 2 North Dame Pattie Menzies House, 16 Challis Street, Dickson | GPO BOX 158 CANBERRA ACT 2601
Ph: (02) 6207 2151
Fax: (02) 6207 6084

email: mark.heckenberg@act.gov.au
website: <http://www.environment.act.gov.au>

From: Sch 2.2(a)(ii)@optusnet.com.au [mailto:Sch 2.2(a)(ii)@optusnet.com.au]
Sent: Wednesday, 17 June 2015 6:26 PM
To: Heckenberg, Mark
Subject: Calwell Tank Replacement

Mark,

I'm sorry to keep harassing you, but I can't afford to get this process wrong. Attached are the proposed scopes for the environmental engineer and the auditor. Could you review them to be in accordance with ACT EPA requirements.

If OK, I can get the owners to issue orders straight away and get the project started.

Many thanks

Sam Khoury

Email sent using Optus Webmail

This email, and any attachments, may be confidential and also privileged. If you are not the intended recipient, please notify the sender and delete all copies of this transmission along with any attachments immediately. You should not copy or use it for any purpose, nor disclose its contents to any other person.

Email sent using Optus Webmail

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry, no matter how small, should be recorded to ensure the integrity of the financial data. This includes not only sales and purchases but also expenses and income. The text suggests that a systematic approach to record-keeping is essential for identifying trends and making informed decisions.

In the second section, the author addresses the challenges of budgeting and financial planning. It notes that many businesses struggle to stick to their budgets due to unforeseen circumstances or poor planning. The text offers several strategies to overcome these challenges, such as regular budget reviews and the use of contingency funds. It also highlights the importance of setting realistic goals and monitoring progress regularly.

The third part of the document focuses on the role of technology in modern accounting. It discusses how software solutions have revolutionized the way businesses manage their finances, from automating routine tasks to providing real-time financial insights. The text mentions various types of accounting software and their benefits, such as increased accuracy and efficiency. It also touches upon the importance of data security and backup procedures when using digital tools.

Finally, the document concludes with a section on the future of accounting. It predicts that as technology continues to advance, the role of accountants will evolve from traditional record-keepers to strategic advisors. The text suggests that professionals in this field should focus on developing their analytical and communication skills to stay relevant in a rapidly changing market. It also mentions emerging trends like artificial intelligence and blockchain, which are expected to further transform the industry.

From: "Heckenberg, Mark"
Sent: 09/05/2017 5:25 AM
To: Sch 2.2(a)(ii) <[REDACTED]@douglaspartners.com.au>
Subject: RE: Out of scope [REDACTED] and soil vapour assessment

Hi Mike,

I can confirm that the EPA has been receiving the GME reports for Calwell. The last report received for the site was in February 2017.

The EPA received an update late last week indicating that a MPVE event was scheduled for later this month.

Regards Mark

From: Sch 2.2(a)(ii) <[REDACTED]@douglaspartners.com.au>
Sent: Tuesday 2 May 2017 09:47
To: Heckenberg, Mark
Subject: RE: Out of scope [REDACTED] soil vapour assessment

Hi Mark

Out of scope

Cheers

PS – can you confirm that you have been receiving GME reports from the Calwell service station site owners? The last one should have been in late February.

Sch 2.2(a)(ii) Principal
Douglas Partners Pty Ltd | ABN 75 053 980 117 |
www.douglaspartners.com.au
96 Hermitage Road West Ryde NSW 2114 | PO Box
472 West Ryde NSW 1685
P: 02 9809 0666 | F: 02 9809 4095 | M: Sch 2.2(a)(ii)
| E: Sch 2.2(a)(ii) <[REDACTED]@douglaspartners.com.au>



This email is confidential. If you are not the intended recipient, please notify us immediately and be aware that any disclosure, copying, distribution or use of the contents of this information is prohibited. Please note that the company does not make any commitment through emails not confirmed by fax or letter.

From: Heckenberg, Mark [mailto:Mark.Heckenberg@act.gov.au]
Sent: Tuesday, 2 May 2017 8:53 AM
To: Jeff Fulton; Gavin Harman
Cc: Sch 2.2(a)(ii) <[REDACTED]>
Subject: RE: Out of scope [REDACTED] and soil vapour assessment

Thanks Jeff.

Gavin,

Can you please provide an update on development at the site?

Thanks Mark

From: Jeff Fulton <[REDACTED]@martens.com.au>
Sent: Tuesday 2 May 2017 08:41
To: Heckenberg, Mark

Cc: Sch 2.2(a)(ii) [redacted] Gavin Harman
Subject: RE: Out of scope [redacted] and soil vapour assessment

Hi Mark – [redacted] has reviewed and made comment.

I will discuss with Gavin the timing of the next monitoring event.

Cheers,

Jeff

Jeff Fulton
Project Manager / Senior Engineer
BSc., Grad Cert. Eng. &c.



Martens & Associates Pty Ltd
Suite 201, 20 George St
Hornsby, NSW 2077
P + 61 2 9476 9999
F + 61 2 9476 8767
www.martens.com.au

From: Heckenberg, Mark [<mailto:Mark.Heckenberg@act.gov.au>]
Sent: Tuesday, 2 May 2017 7:02 AM
To: Jeff Fulton
Cc: [redacted]; Gavin Harman
Subject: RE: Out of scope [redacted] and soil vapour assessment

Hi Jeff,

Thank you for forwarding the reports.

As the site's assessment and remediation is subject to independent audit any comment on the adequacy of the documents defaults to the Auditor. Please forward the Auditor's comments, as appropriate.

Regards

Mark Heckenberg

From: Jeff Fulton [Sch 2.2(a)(ii)]@martens.com.au]
Sent: Friday 28 April 2017 10:40
To: Heckenberg, Mark
Cc: [redacted]; Gavin Harman
Subject: Out of scope [redacted] and soil vapour assessment

Hi Mark,

Out of scope [redacted]

Please review and make comment as necessary.

Regards,

Jeff

Jeff Fulton
Project Manager / Senior Engineer
RWA, Qld Cert Eng 6c



Martens & Associates Pty Ltd
Suite 201, 20 George St
Hornsby, NSW 2077
P + 61 2 9476 9999
F + 61 2 9476 8767
www.martens.com.au

This email, and any attachments, may be confidential and also privileged. If you are not the intended recipient, please notify the sender and delete all copies of this transmission along with any attachments immediately. You should not copy or use it for any purpose, nor disclose its contents to any other person.

Disclaimer

The information contained in this communication from the sender is confidential. It is intended solely for use by the recipient and others authorized to receive it. If you are not the recipient, you are hereby notified that any disclosure, copying, distribution or taking action in relation of the contents of this information is strictly prohibited and may be unlawful.

This email has been scanned for viruses and malware, and may have been automatically archived by **Mimecast Ltd**, an innovator in Software as a Service (SaaS) for business. Providing a **safer** and **more useful** place for your human generated data. Specializing in; Security, archiving and compliance. To find out more [Click Here](#).

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry, no matter how small, should be recorded to ensure the integrity of the financial statements. This includes not only sales and purchases but also expenses, income, and any other financial activity.

The second part of the document provides a detailed breakdown of the accounting cycle. It outlines the ten steps involved in the process, from identifying the accounting entity to preparing the financial statements. Each step is explained in detail, with examples provided to illustrate the concepts.

The third part of the document discusses the various types of accounts used in accounting. It explains the difference between assets, liabilities, and equity accounts, and how they are classified. It also discusses the importance of understanding the normal balances for each type of account.

The fourth part of the document discusses the process of journalizing and posting. It explains how to record transactions in the journal and how to transfer the information to the ledger. It also discusses the importance of double-checking the entries to ensure accuracy.

The fifth part of the document discusses the process of adjusting entries. It explains why adjusting entries are necessary and how they are recorded. It also discusses the impact of adjusting entries on the financial statements.

The sixth part of the document discusses the process of preparing the financial statements. It explains how to calculate the net income and how to prepare the income statement, balance sheet, and statement of owner's equity.

The seventh part of the document discusses the process of closing the books. It explains how to close the temporary accounts and how to transfer the balances to the permanent accounts.

The eighth part of the document discusses the process of reversing entries. It explains why reversing entries are necessary and how they are recorded.

The ninth part of the document discusses the process of correcting errors. It explains how to identify errors and how to correct them.

The tenth part of the document discusses the process of auditing. It explains the role of the auditor and how the audit process works.

From: "Heckenberg, Mark"
Sent: 09/07/2015 1:54 AM
To: Sch 2.2(a)(ii)@douglaspartners.com.au>
Subject: RE: SAN for Calwell Service Station

Thanks Sch 2.2(a)(ii)

Please forward the signed original of the notification at your convenience,

Regards

Mark Heckenberg | Contaminated Sites Officer | Environment Protection |
Environment Protection Authority | Access Canberra | ACT Government
Level 2 North Dame Pattie Menzies House, 16 Challis Street, Dickson | GPO BOX 158 CANBERRA ACT 2601
Ph: (02) 6207 2151
Fax: (02) 6207 6084
email: mark.heckenberg@act.gov.au
website: <http://www.environment.act.gov.au>

From: Sch 2.2(a)(ii)@douglaspartners.com.au]
Sent: Friday, 3 July 2015 3:59 PM
To: Heckenberg, Mark
Subject: SAN for Calwell Service Station

Hello Mark

Please find attached a pdf version of our SAN for the Calwell Service Station at 1 Webber Crescent, Calwell,
Regards

Sch 2.2(a)(ii) Secretary on behalf of Sch 2.2(a)(ii)
Douglas Partners Pty Ltd | ABN 75 053 980 117 | www.douglaspartners.com.au
96 Hermitage Road West Ryde NSW 2114 | PO Box 472 West Ryde NSW 1685
P: 02 8878 0628 | F: 02 9809 4095 | E: Sch 2.2(a)(ii)@douglaspartners.com.au

This email is confidential. If you are not the intended recipient, please notify us immediately and be aware that any disclosure, copying, distribution or use of the contents of this information is prohibited. Please note that the company does not make any commitment through emails not confirmed by fax or letter.

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry, no matter how small, should be recorded to ensure the integrity of the financial statements. This includes not only sales and purchases but also expenses, income, and transfers between accounts.

The second part of the document provides a detailed explanation of the accounting cycle. It outlines the ten steps involved in the process, from identifying the accounting entity to preparing financial statements. Each step is described in detail, with examples provided to illustrate the concepts.

The third part of the document discusses the various types of accounts used in accounting. It explains the difference between assets, liabilities, and equity accounts, and how they are classified. It also discusses the importance of understanding the normal balances for each type of account.

The fourth part of the document discusses the process of adjusting entries. It explains why adjusting entries are necessary and how they are prepared. It provides examples of common adjusting entries, such as depreciation, amortization, and accruals.

The fifth part of the document discusses the preparation of financial statements. It explains how the adjusted trial balance is used to prepare the income statement, balance sheet, and statement of owner's equity. It also discusses the importance of comparing the financial statements to the accounting records to ensure accuracy.

The sixth part of the document discusses the closing process. It explains how the temporary accounts (revenues, expenses, and dividends) are closed to the permanent accounts (retained earnings). It provides a step-by-step guide to the closing process.

The seventh part of the document discusses the importance of internal controls. It explains how internal controls help to prevent errors and fraud, and how they can be designed to protect the organization's assets.

The eighth part of the document discusses the role of the accountant. It explains the various responsibilities of an accountant, including recording transactions, preparing financial statements, and providing financial advice to management.

The ninth part of the document discusses the importance of ethics in accounting. It explains how accountants should adhere to a code of ethics and how they should handle conflicts of interest.

The tenth part of the document discusses the future of accounting. It discusses the impact of technology on the profession and the need for accountants to stay current in their knowledge and skills.

From: "Heckenberg, Mark"
Sent: 26/09/2018 1:33 AM
To: Sch 2.2(a)(ii) @douglasparkers.com.au>
Subject: RE: Tsoulias & Canma Properties P/L - Caltex Calwell site - 1 Webber Crescent, Calwell

Sch 2.2(a)(ii)

Thank you for your email.

A few comments on processes in the ACT before we have a discussion:

- Whilst it is preferred that on and off-site contamination issues be addressed in the one independent audit for these sites these issues can be separated. If Auditor's are satisfied they have enough information to issue a Section A SAS and SAR for the operational site (subject to an SMP, if required) these documents can be issued (in accordance with the Environment Protection Authority (EPA), December 2017, *Contaminated Sites Environment Protection Policy*) and the findings of the audit endorsed by the EPA. Off-site issues can then be addressed separately through the EPA requiring an environmental audit under section 76(2) of the *Environment Protection Act 1997*. Time limits are applied to the latter process to ensure closeout of the off-site audit;
- Service station sites in the ACT are already regulated by the EPA under the *Environment Protection Act 1997* through the environmental authorisation process – this is different to the processes used in NSW under the POEO Act and CLM Act. The environmental authorisation specifies conditions which must be followed including that the site be managed in accordance with an EPA approved environmental management plan (EMP);
- Where audit(s) of these regulated sites find that on-going management (whether on and/or off-site) is required the site's EMP must be updated to include the additional management/monitoring provisions identified in the audit. This can be achieved by rewriting the site's EMP or providing an addendum to the EMP. The site must then be managed in accordance with the updated EMP until an approved Auditor and the EPA agree that the additional management/monitoring requirements are no longer required. This ensures that the management provisions required under the audit "can reasonably be made to be legally enforceable".

If you wish to discuss these processes further or this audit in general please feel free to give me a call.

Regards

Mark Heckenberg | Manager, Contaminated Sites | Environmental Quality
Phone: 02 6207 2151 | Email: mark.heckenberg@act.gov.au
Environment Protection | Access Canberra | ACT Government
Ground Floor TransACT House, 470 Northbourne Avenue, Dickson 2602
GPO Box 158 Canberra ACT 2601 | <http://www.act.gov.au/accesscbr>

From: Sch 2.2(a)(ii) @douglasparkers.com.au]
Sent: Wednesday, 26 September 2018 9:41 AM
To: Heckenberg, Mark <Mark.Heckenberg@act.gov.au>
Subject: FW: Tsoulias & Canma Properties P/L - Caltex Calwell site - 1 Webber Crescent, Calwell

Mark

Re the referenced GME -7 for March 2018 (deleted from this email as you already have it).

This project seems to be stalling due to a number of factors, some of which are alluded to in the attached email and others which are mentioned in the various GMEs previously forwarded to (GMEs1-6).

In addition due to the lack of apparent progress it seems that resolution of the groundwater issues is some way off and whilst I am happy to complete the draft audit report (see EPA's letter dated 31 August), I am likely to conclude that:

- there is a potential risk of off-site harm occasioned by groundwater contamination (hydrocarbons) leaving the site in a northerly direction [centred on wells M2 and M7, the latter being very close to the site boundary]; and
- the site may require regulation by EPA.

I would be happy to discuss this with you at your convenience.

Note – I have advised the client and the consultant to expedite the next round of monitoring which is overdue and to ensure that any of the soil which is currently stockpiled over the wells is appropriately classified for off-site disposal. I understand from EIS, however, that Coffey are involved with the soil classification but have not been made aware of this situation by the client.

Kind regards.

Sch 2.2(a)(ii) Principal

Douglas Partners Pty Ltd | ABN 75 053 980 117 |
www.douglaspartners.com.au
96 Hermitage Road West Ryde NSW 2114 | PO Box 472 West
Ryde NSW 1685
P: 02 9809 0666 | F: 02 9809 4095 | M: Sch 2.2(a)(ii) E:
Sch 2.2(a)(ii)@douglaspartners.com.au



This email is confidential. If you are not the intended recipient, please notify us immediately and be aware that any disclosure, copying, distribution or use of the contents of this information is prohibited. Please note that the company does not make any commitment through email's not confirmed by fax or letter.

From: GroupT - Amanda [[mailto:Sch 2.2\(a\)\(ii\)@groupt.com.au](mailto:Sch 2.2(a)(ii)@groupt.com.au)]
Sent: Tuesday, 25 September 2018 5:55 PM
To: contaminatedsites@act.gov.au; Heckenberg, Mark
Cc: Con Tsoulas; Arthur Tsoulas; Sch 2.2(a)(ii)
Subject: Tsoulas & Canma Properties P/L - Caltex Calwell site - 1 Webber Crescent, Calwell

Attached please find the report from water samples taken in March 2018 dated 18 July 2018. This report has been audited by Sch 2.2(a)(ii) of Douglass Partners.

Our environmental consultants have not been able to take the next round of water samples as there is a big pile of soil on the service station site from the installation of a purceptor required by Icon Water and this soil has covered several monitoring wells. We have run into difficulty removing the the soil, however believe that it will be removed very soon and can then instruct the environmental consultants.

regards

Amanda

Amanda Flack
Office Manager
Sch 2.2(a)(ii)@groupt.com.au
02 6292 8811
PO Box 99, Calwell ACT 2905

[Amanda works part-time and is usually in the office on a Tuesday to Thursday]

Disclaimer

The information contained in this communication from the sender is confidential. It is intended solely for use by the recipient and others authorized to receive it. If you are not the recipient, you are hereby notified that any disclosure, copying, distribution or taking action in relation of the contents of this information is strictly prohibited and may be unlawful.

This email has been scanned for viruses and malware, and may have been automatically archived by **Mimecast Ltd**, an innovator in Software as a Service (SaaS) for business. Providing a **safer** and **more useful** place for your human generated data. Specializing in; Security, archiving and compliance. To find out more [Click Here](#).

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry should be supported by a valid receipt or invoice. This not only helps in tracking expenses but also ensures compliance with tax regulations.

In the second section, the author provides a detailed breakdown of the company's revenue streams. This includes sales from various product lines and services. The data shows a steady increase in revenue over the past year, which is attributed to strategic marketing efforts and product diversification.

The third section focuses on the company's operational costs. It details the expenses related to manufacturing, distribution, and administrative functions. The analysis reveals that while production costs have remained relatively stable, distribution and administrative expenses have seen a slight increase due to inflation and higher operational demands.

Finally, the document concludes with a summary of the overall financial performance. It highlights the company's strong profitability and its ability to manage costs effectively. The author expresses confidence in the company's future growth and suggests areas for further optimization to enhance efficiency and reduce expenses.

From: Sch 2.2(a)(ii) @douglaspartners.com.au>
Sent: 03/07/2015 5:59 AM
To: "Heckenberg, Mark" <Mark.Heckenberg@act.gov.au>
Subject: SAN for Calwell Service Station
Attachments: SAN ACT 005.pdf

Hello Mark

Please find attached a pdf version of our SAN for the Calwell Service Station at 1 Webber Crescent, Calwell.

Regards

Sch 2.2(a)(ii)

Douglas Partners Pty Ltd | ABN 75 053 980 117 | www.douglaspartners.com.au
96 Hermitage Road West Ryde NSW 2114 | PO Box 472 West Ryde NSW 1685
P: 02 8878 0628 | F: 02 9809 4095 | E: Sch 2.2(a)(ii) @douglaspartners.com.au

This email is confidential. If you are not the intended recipient, please notify us immediately and be aware that any disclosure, copying, distribution or use of the contents of this information is prohibited. Please note that the company does not make any commitment through emails not confirmed by fax or letter.



**ENVIRONMENT PROTECTION AUTHORITY
STATUTORY SITE AUDIT NOTIFICATION**
Environment Protection Act 1997

SITE AUDITORS DETAILS:

Name: **Sch 2.2(a)(ii)** Ph: (02) 9809 0666
Company: Douglas Partners Fax: (02) 9809 4095
Address: 96 Hermitage Road, Accreditation No.: 9822
West Ryde NSW 2114 File Reference No: 84947

NOTIFICATION NUMBER: DP/ACT/005

SITE LOCATION:

Block: 8 Section: 787 Division: Calwell District: Tuggerawong
Deposited Plan No.: 7990
Street Address: 1 Webber Crescent
Calwell
Postcode: 2905

SITE AUDIT REQUESTED BY:

Name: Con Tsoulis
Company: Tsoulis Group
Address: PO Box 99
Calwell ACT Postcode: 2905
Phone: 0412 623 853 Fax: **Sch 2.2(a)(ii)**@bigpond.com.au

Date request received: 30 / 6 / 2015

Notification must be sent to the EPA within 7 days of receiving the request.

NATURE OF STATUTORY REQUIREMENTS:

- A Requirement under the *Environment Protection Act 1997*
- Type of instrument imposing the requirement (e.g. assessment order):

Date of issue:

- A requirement imposed by an environmental planning instrument (EPI)

Name and number of EPI: _____

- A development approval given under the *Planning and Development Act 2007*.

Approval authority: ACT Government (Notice of Decision) – DA No. 201426055

Date approval granted: 1 / 10 / 2014

- Comments:

The audit has been requested by ACT EPA

This statutory audit site audit is conducted for the purpose of determining:

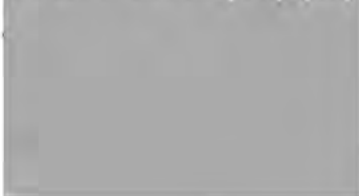
- The nature and extent of the assessment or remediation undertaken, as the case requires; and/or
- The nature and extent of any contamination or remaining contamination of the land; and/or
- What further assessment or remediation, as the case requires, is necessary before the land is suitable for any specified use or range of uses; and/or
- The suitability and appropriateness of an assessment proposal, remediation proposal, remedial action plan or environment management plan.

Estimated time within which audit will be completed: 12 Months

I certify that the information supplied in this form and any attached pages are correct.

Signed:

Sch 2.2(a)(ii)



Date: 3 July 2015