

CSI Action Sheet

 Fee Amount \$ 900 RECEIPT NO. 72494 RP/CoT YES NO FILE NO 902401

Officer	Action	Outcome	Signature & Date
Administration Officer <i>Kouise</i>	CSI List, UXO List, Mailtracker checked and relevant info attached to file UXO LA Area?	No IPA sch4p4 8/6/99 Yes - forward to UXO advisor No - Write 'N/A' In UXO area below & pass to Dep. Registrar	sch4p4(6) Personal info sch4p4(6) 8/6/99
UXO Advisor sch4p4(6) Perso	Assign Classification	N/A UXO	sch4p4(6) Personal info 10-6-99
Deputy Registrar	Initial Entry/Update of EMR/CLR (copy EMR/CLR & CSR to file)		sch4p4(6) Personal info 16/6/99

GIVE UXO FILES TO UXO ADVISOR (Disposal Permit & Data Validation checks not needed)

Lot & Plan	Report No	Entry Date	Initial Status	Reclass. Date	Final Status (Rem, <thresh, SMP)
1 RP123766	2413	26/3/96	PRO		rem

Is there a CHEM notifiable activity on UXO site? YES NO

Officer	Action	Signature & Date
Disposal Permit	Check for previous correspondence & attach to file <i>None</i>	sch4p4(6) Personal info 16/6/99
Data Validation	Check Notification & General files for previous correspondence & attach to file	sch4p4(6) Perso 16/6/99

PLACE CHEM FILES IN APPROPRIATE ORDER IN QUEUE

Officer	Action	Signature & Date
Contact Advisor	Review Assessment	sch4p4(6) Perso 28/6/99
Peer Review Advisor	Review Assessment	28/6/99
Date Final Submission Received	Key Contaminants	
Studies Undertaken	Groundwater Contaminants	

- Side Decommissioning, Caltex Service Station, Mitchelton Queensland, dated 25 May 1999, prepared by OTEK Australia Pty Ltd, Rpt. No. 899028

Deputy Registrar	Final check, update, print suit stat (own & appl) & letters (own & appl & local govt)	sch4p4(6) Personal info 28/6/99
Contact Advisor	Check final suitability statements & letters	sch4p4(6) Per 28/6
Peer Review Advisor	Check final suitability statements & letters	11/7/99
Delegated Officer	Final approval & sign suitability statement & letters	
GIS Officer	Enter relevant information to CSR-GIS	
Administration Officer	Mail suit. stat., smp and plan, copy to file, check CSI action sheet is complete, check file, update CSI file list, archive file	sch4p4(6) Personal info 11/7/99



QUEENSLAND GOVERNMENT

Department of Environment

4/6/99

Hazardous Waste and Contaminated Sites Section
Department of Environment
PO Box 155
BRISBANE ALBERT STREET
QLD 4002
Ph: (07) 3225 1827 Fax: (07) 3227 8341

Application for Assessment of a Site Investigation Report

Please note: Failure to lodge all required information can result in your application being rejected and returned to you for completion and resubmission.

Complete both sides of this document (attach a separate sheet if more space required)

1. Applicant details

(This is the person to whom the suitability statement will be sent and to whom all enquiries will be directed)

Contact name sch4p4(6) Personal information

Telephone (07) 3279 5266 Fax (07) 3279 5377

Company name OTEL AUSTRALIA Pty LTO
(if applicable)

Postal address 26/500 SEVENTEEN MILE ROCKS RD,
SEVENTEEN MILE ROCKS Postcode 4073

2. Lodgement details

(Complete this section only if form not lodged by applicant)

Contact name _____

Telephone _____

Company name _____
(if applicable)

Postal address _____

Postcode _____

3. Site owner's details

(Agent's address not acceptable)

Full name CALTEX AUSTRALIA PETROLEUM Pty LTO

Address MLC CENTRE, 19-29 MARTIN PLACE
SYDNEY Postcode 2000

4. Site details

Name of local government BRISBANE CITY COUNCIL

Suburb/Town/City MITCHELTON

Postcode 4053

Notifiable activity/possible contaminating activity

SERVICE STATION

Intended use of the site UNKNOWN

5. Location and landuse details of each parcel covered by the site investigation report

Street No.	Street name	Lot on Plan description	Current landuse	Proposed landuse
<u>1</u>	<u>SUSSEX STREET</u>	<u>1 on RP 123766</u>	<u>SERVICE STATION</u>	<u>-</u>
.....				
.....				
<u>18-056</u>		<u>File A</u>		<u>2 of 116</u>
.....				

6. Details of report

Is a development application pending under the *Integrated Planning Act 1997*?

☐ Yes ☒ No

The attached report contains (as per *Guidelines for the Assessment and Management of Contaminated Land in Queensland*) -

☒ Stage 1 investigation

☒ Stage 2 investigation

☒ Stage 3 investigation

If previous submissions have been made quote:

DoE File no.

Is a response required from DoE at this time or is further information following?

☒ Response required

☐ Further information following

Checklist — tick each box when complete

☒ Completed items 1-6 and written name and address in return slip (you **must** answer each item).

☒ Enclosed statutory fee.

☒ Enclosed statutory declarations by investigators, preparers and owners.

☒ Enclosed signed consultant's report (as per *Guidelines for the Assessment and Management of Contaminated Land in Queensland*).

☒ Enclosed **legible** copy/copies of proof of ownership of site/s clearly showing the full name/s of the registered proprietor/s e.g. current Certificates of Title or Title Search/es. (Order in Council (Crown Land) and Form 100 (Change of Ownership Notification) may be accepted if the above are not available).

☒ Enclosed **legible** copy/copies of all relevant registered plans (available from the Titles Section, Department of Natural Resources) **clearly showing location of the site/s** and current registered plan details.

☒ Enclosed copy of a street map/area map clearly showing location of property.

Site Address: 1 Sussex St, Mitchelton File number: 902401

Date Original document received: 4/6/99

APPLICATION FOR ASSESSMENT OF A SITE INVESTIGATION REPORT

1. PRE-CHECK (Administration Officer)

NOTES

a. Current application form and statutory fee is included	☒	
b. Check Excel trackers and Access to make sure no existing file for the site; check for IPA (attach if file exists)	☒	None
c. Check IVAS	☒	Ampol, 1 Sussex St ✓
d. Check EMR to see whether the site is listed. (If not, need Notification form).	☒	Service Station
e. Check Certificate of Titles (CoT) for <u>all</u> lots are included	☒	
f. Check that the owner listed on the application form matches that on CoT	☒	
g. Check current Registered Plans for <u>all</u> lots are included	☒	
h. Check Statutory declarations: -Investigator / report preparer has required qualifications and experience -Correct format	☒ ☒	

More information required? ☒ Yes / ☐ No

If yes, what is required?

Spoke to:	on:
Advised that need:	
Details entered on 'Incomplete' tracker ☐	Report returned:

Date received all required information: 4/6/99 'Incomplete' tracker amended ☐

2. MAKE UP FILE

(Administration Officer.

Refer to instruction sheet for details)

a. Assign file number	☒
b. Write up file cover & attach blue flow chart	☒
c. Enter details into Excel tracker	☒
d. Enter details into ACCESS	☒
e. Enter details into CARMS, attach barcode	☒

3. CHECK FILE

(Scientific Advisor)

a. Details on file cover are correct	☒
b. All required information has been provided	☒
c. Details on Excel and Access trackers are correct	☒
d. Lots in report, on CoT, RP & application form all match	☒

Comments:

OK for rounds? ☐

sch4

Acceptance date: 24/06/99

4. FILE SENT ON ROUNDS

Date: _____ Details updated on Excel and Access trackers ☒ Cheque sent to finance: 10/6/99

5. FILE HAS COMPLETED ROUNDS AND IS READY FOR QUEUE ☒

SUITABILITY STATEMENT

DATE PRINTED: 28/06/1999

OWNER

AMPOL LTD
PO BOX 1451
TOOWONG
QLD 4066

DATE OF ISSUE : 28/06/1999

PROPERTY DESCRIPTION

LOT : 1 PLAN : RP123766
1 SUSSEX STREET
MITCHELTON 4053

BRISBANE CITY COUNCIL
EMR Site ID: 2413 FILE REFERENCE: 902401

FINAL SUBMISSION RECEIVED ON: 25/05/1999

STUDIES UNDERTAKEN BY APPLICANT OR REQUESTED BY DIRECTOR

Site Decommissioning, Caltex Service Station, Mitchelton, Queensland, dated 25 May 1998, prepared by OTEK Australia Pty Ltd, Report no.: B99028.

STATEMENT OF SUITABILITY

On the basis of the information supplied to this Department, the subject site is suitable for any use.

ENVIRONMENTAL MANAGEMENT REGISTER

LOT : 1 PLAN : RP123766

There is no requirement to record this site on the Environmental Management Register or the Contaminated Land Register.

sch4p4(6) P

Dr Dagogo Ibiebele
Manager, Contaminated Land Unit



Queensland Government

Environmental Protection Agency

160 Ann Street . Brisbane Queensland . PO Box 155 . BRISBANE ALBERT STREET QLD 4002

Telephone (07) 3227 6179 . Facimile (07) 3227 6536

RECEIPT

Receipt Number:	72494	Company Code:	QDOE
Receipt Date:	11.06.1999	Receipt Total:	900.00

PAYMENT FROM:OTЕК AUSTRALIA PTY LTD
ANZ MANLY NSW
\$900.00

PAYMENT DETAILS	PAYMENT FOR	\$ AMOUNT
CHEQUE 012743	CONTAM. SITE REPORT 4176 EH200SRWM	900.00

Received By: sch4p4(6) P

OTEK Australia Pty Ltd
ACN 054 371 596

408 Albert Street
East Melbourne VIC 3002

Tel (03) 9662 9299
Fax (03) 9662 4680

Suite 2, 29-33 The Corso
Manly NSW 2095

Tel (02) 9977 6000
Fax (02) 9977 6688

27/500 Seventeen Mile Rocks Road
Seventeen Mile Rocks QLD 4073

Tel (07) 3279 5266
Fax (07) 3279 5377

OTEK
AUSTRALIA PTY LTD

TO:

ENVIRONMENTAL PROTECTION AGENCY
PO BOX 155
BRISBANE QLD 4002

CHEQUE No.:

12743

Narration: APRIL RUN 2

Date: 20-04-99

883	EPA	CR B99028	Inv	14-04-99	900.00	900.00
Total						900.00

Date Printed: 16/06/1999

V1.0.1

**Haz Cont****Offsite Disposal Date**

SERVICE STATIONS

Registered Site ID 2413

16/06/1999 DENNINK
AMENDED FILE NUMBER.

Notification of contaminated site

The following information should be supplied by people providing notification to the Queensland Department of Environment and Heritage of contaminated land or land used for a prescribed purpose under the Contaminated Land Act 1991 and the Contaminated Land Regulation 1991.

Essential Information

Please complete all information.

Local Authority area BRISBANE CITY COUNCIL

Information provided by Name J. Buseddu Contact phone no. 34035564

Organisation Brisbane City Council

Address 69 Ann St

BRISBANE Postcode 4000

Name by which the property is known locally AMPOL (Ltd)

Location Street address 1 Sussex St

Town/suburb Mitchelton Postcode 4053

Council area Brisbane

Lot-on-Plan description of each parcel of land (individual parcels of land which make up the property should be included. Please attach a separate notification for each parcel)

~~L1 RP12766~~

L1 RP123766

Land titles register volume and folio number

Name and postal address of owner

Name Ampol Ltd

Address PO Box 1451

Toowong Postcode 4066

Description of the source of the suspected contamination or the prescribed purpose for which the land is or has been used (a short description of the land or cause of contamination will be sufficient. A separate attachment can be made if space is insufficient)

Service Station

Desirable and additional Information

Area of each parcel in square metres (this information is used as a cross-check on the land description details)

1,196m²

Current local authority zoning of the land

The processing of this information would be greatly assisted by the inclusion of a map or locality plan.

If further information is required please contact:

Queensland Department of Environment and Heritage
Contaminated Sites Section
PO Box 155
BRISBANE ALBERT STREET QLD 4002
(07) 227 7370 • Fax (07) 227 7000 • 8341

Site entered to CSR

Site ID 140-036841

Minister for Environment and Heritage

Hon. Tom Barton, MLA

160 Ann Street, Brisbane

PO Box 155 BRISBANE ALBERT STREET QLD 4002 • Telephone (07) 3227 8819 • Facsimile (07) 3221 7082



Published on DES Disclosure Log
RTI Act 2009



Brisbane City

Community Health Branch

Department of Recreation and Health
Brisbane City Council

Level 5 MLC Building
239 George Street
BRISBANE QLD 4000

GPO Box 1434
BRISBANE QLD 4001

Facsimile Cover Sheet

Date:	18/3/96	No of Pages (Including this page):	10
From:	JULIE-ANN BUSEDDU		
Phone No:	340 35564	Fax No:	340 35230
To:	DEPT. OF ENVIRONMENT		
Attention:	Margaret Bardon		
Fax No:	3227 8341		
Remarks:			
Dear Margaret,			
As requested, I have supplied notification on the following pages, on the sites which have not been notified to you (on Council disk).			
Please contact me if you have further queries.			
sch4p4(6) Personal information			

Please advise if facsimile is not clear.

Statutory Declaration – Investigator/Preparer

In relation to Sections 118Q, 118ZC, 171 and 172 of the Queensland Environmental Protection Act 1994

I, sch4p4(6) Personal information the Investigator/Preparer

Of OTEK Australia Pty Ltd

, in the State of Queensland,
do solemnly and sincerely
declare (in relation to the Site
Decommissioning conducted at
No. 1 Sussex Street, Mitchelton,
Queensland)

that,

1. I was the investigator/report preparer of the report described above;
2. A true statement of my qualifications, membership of prescribed organisation and experience relevant to the site investigation has been previously submitted to the EPA;
3. I have not knowingly included any false, misleading or incomplete information in the report;
4. I have not knowingly failed to reveal any relevant information or document to the administering authority, and
5. Certify that –
 - The field investigation activities were performed by Stephanie Williams under the direction of Belinda Ingpen;
 - The report addresses the relevant matters for the investigation and is factually correct; and
 - The opinions expressed in it are honest and reasonably held.

And I make this solemn declaration conscientiously believing the same to be true, and by virtue of the provisions of the Oaths Act 1867 - 1988.

sch4p4(6) Personal information

Signature

sch4p4(6) Personal information

Name

Taken and Declared before me, at *Brisbane*.

This *28th* day of *May* 19*99*.

sch4p4(6) Personal information

A Justice of the Peace

COFC



To File
From MD.
Subject.

902401.

Per Bureau 1 Sarsen St Multihar. Colter SS.

Site History.

- SS for 28 years. prior use residential
- 5 USTs, 4 houses, 1 dumpster, 1 heat. - 1 waste oil AST.

Investigations

- No groundwater found.
- checked with F&C ~~and tanks~~ with ^{and} tanks ~~measured~~ up with Bureau
- File structure removed.
- ~~revalidated~~ excavation OK.
- only 2 samples from soil.
- results OK.

Appe removed from EMR.

sch4p4(6) Pe

28/6/99.

Caltech. 1 Sussex St. Mitchelton

OK

25/6/99

L1 RP 123766

Excel Summary

Activities

- site history
- rem. sources
- out of excav^{ns} from + out of soils
- backfills & import dump
- SS for 28 yrs prior use residential
- 5 USTS, 4 sources 1 TTP Land + piping all removed
- soil - silty clay to 4m @ 4.5m clayey sand
- no GW found
- 120m³ excavated.
- Zn in pipeline trench. (sodolot!)
- all rem + out samples OK.

note NOT
A/G according
to original TOTAL
plan Fig 7.

Notes

Fig 3 site layout.

Fig 4 → 6 sample loc^{ns} + S' pics

Fig 7 original site plan (TOTAL).

Site flat.

Ext. dimensions 71400 consistent with tank size
and remains 49 → 97. '71 showed SS. + brookside
shopping under construction.

Site Hist. - anecdotal no spills / fuel / chem
was ~ 450L here

Field wk.

rem. all structures 17-19/12/99

Soils rem to expose USTS excavated 120m³

12m³ around WOT (now scrap it is UST), 10m³
from sources, TPA staining PID Areas A4, A5

(?)

2.5 m³ from TIT

Soil & val. sampling

S1 - S47 Fys 4-6. in site val.
all nd LOR except S23 benzen 0.6 +
S24 benzen 0.5.

S'ple Area A-5 $\ell_{10/16}$ 330 $\leftarrow$ V1 V2 $\rightarrow$ 480 V3 $\rightarrow$ nd.
all other S'ple sapher ok.

PAHs limited done⁽¹⁰⁾ all OK AS V-1 some minor shd.,
No Pb found of concern.

Final Notes

Site backfilled after remediation. - imported
clayfill from Peconic Ferry Ground.

QA/QC by normal procedures.

The WOT had 1400Z which was removed 18/1/99 Baskoda

! Fy 7 not accurate to current day. Baskoda

USTs all in good condition in removal.

Some fill was found in limited area in basement
excavation (bricks - maybe at time of construction)

Some As > ELT found, expected to be natural
for area max value 67 mg/kg - not a concern.

all major issues addressed - no TIT/OTEX
of concern in soil or s'ple sampling which appears
to have been satisfactorily done

Rem. site from ENR

sch4p4(6) Pers

25/6/99

Site Decommissioning

Location :

**Caltex Service Station
Michelson, Queensland**
(OTEK Report No: B99028)

Prepared for :

**Caltex Australia Petroleum Pty Ltd
Sydney, New South Wales**

Date Prepared :

25 May 1999

Environmental Professionals

Site Decommissioning

Caltex Service Station
1 Sussex Street
(Lot 1 on RP 123766)
MICHELTON QLD 4053
(OTEK Report No: B99028)

Prepared for :

Caltex Australia Petroleum Pty Ltd
MLC Centre
19-29 Martin Place
SYDNEY NSW 2000

Prepared by:

OTEK Australia Pty Ltd
26-27, 500 Seventeen Mile Rocks Road
SEVENTEEN MILE ROCKS QLD 4073

25 May 1999

sch4p4(6) Personal information

sch4p4(6) Personal information **BSc (AES)**
Project Manager

sch4p4(6) Personal information

sch4p4(6) Personal info **BSc (Hons)** sch4p
Queensland Operations Manager

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FIGURES

Title	Figure
Regional Map	1
Vicinity Map	2
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1. EXECUTIVE SUMMARY

Caltex Australia Petroleum Pty Ltd (Caltex) currently own a property located at 1 Sussex Street in Mitchelton, Queensland. The property is described as Lot 1 on Registered Plan 123766. OTEK Australia Pty Ltd (OTEK) was retained by Caltex to decommission the service station facility found on this property in order to validate that soil remaining on-site contained contaminant concentrations below EPA guidelines to release the property from the EPA EMR.

Summary of Activities to Date

- A site history investigation and site reconnaissance;
- Removal of all potential sources of contamination from the property;
- Validation of excavations and remediation and validation of excavated soils; and
- Backfilling of excavations with remediated soil and imported clean fill.

Pertinent Site History

- The service station operated on the property for approximately 28 years. Prior to the service station the land was residential. No off-site sources of contamination were identified in the site history.

Contamination Information

- Five USTs, four bowzers, one triple interceptor trap, an inground hydraulic hoist and associated piping were removed from the site;
- Soil conditions at the site consisted of a silty clay to 3.5-4.0 mBGS. Underlying this to the extent of this investigation at 4.5 mBGS was a clayey sand. Groundwater was not encountered;
- Approximately 120m³ of hydrocarbon impacted soil was excavated from around the USTs, interceptor and hoist and spread over the site for remediation;
- Analytical testing of a sample located in the pipeline trench leading to the waste oil UST indicated concentrations of zinc above EPA EIL but below EPA HIL for residential areas with garden/accessible soil;
- Analytical testing of excavation validation samples indicated that all impacted soil was removed from areas adjacent to the potential sources of contamination. Analytical testing of remediation validation soil samples indicated successful remediation of hydrocarbon impacted soil. The site was backfilled with validated remediated soil and clean imported fill.

Based on data obtained during the site decommissioning, OTEK recommends that the property be released from the EPA EMR.

2. INTRODUCTION

Caltex Australia Petroleum Pty Ltd (Caltex) own a property located at the corner of Sussex Street and Osborne Road in Mitchelton, Queensland. The property was formerly utilised as a Caltex Service Station.

The service station site consisted of five Underground Storage Tanks (USTs) including a waste oil UST, a Kerosene Above Ground Storage Tank (AST), four bowzers, a triple interceptor trap, a workshop and an inground hydraulic hoist. The site is currently listed on the Queensland Environmental Protection Agency (EPA) Environmental Management Register (EMR).

The general location of the site is illustrated on the Regional Map (Figure 1). The site and the surrounding land use are illustrated on the Vicinity Map (Figure 2). The Site Map (Figure 3) identifies the layout of the site prior to and during decommissioning, including the locations of the USTs and other pertinent features. Figures 4 to 6 indicate the location of soil samples taken to validate the site. Figure 7 is a copy of the original Total Australia Limited Site Plan.

2.1 PURPOSE

OTEK Australia Pty Ltd (OTEK) was retained by Caltex to perform environmental supervision and sampling during the decommissioning of the facility in order to validate that soil remaining on-site contained contaminant concentrations below EPA guidelines. The purpose of the work was to release the property from the EPA EMR.

2.2 SCOPE

The site decommissioning activities conducted by OTEK included:

- A site history investigation to ascertain former potential on and off-site sources of contamination;
- A thorough site walkover completed to assess site conditions;
- Removal and disposal of all known potential sources of contamination from the property;
- Supervision of the excavation of all known hydrocarbon impacted soil adjacent to potential sources of contamination;
- Collection of soil samples from the walls and floors of the excavations for analytical testing to validate the removal of soil impacted above regulatory guidelines;
- On-site remediation of hydrocarbon impacted soil utilising enhanced biodegradation and volatilisation techniques;
- Collection of soil samples from remediating soil to validate the completion of the remediation process;

- Backfilling of the excavation pits with remediated soil and imported clean fill to return the site to grade; and
- Documentation of all activities for preparation of the site validation report.

3. BACKGROUND INFORMATION

OTEK obtained background information to evaluate site conditions and potential effects that previous site operations may have had on the environment. This information is detailed in the following sections.

3.1 PHYSIOGRAPHY

The property is described as Lot 1 on Registered Plan (RP) 123766 and is located within the County of Stanley in the Parish of Enoggera, Queensland, at Australian Map Grid coordinates 6968030 metres North and 497635 metres East (BLINMAP, Department of Natural Resources, 1:2500, Standard Map Number 9443-22124).

The site and surrounding land is relatively flat and situated approximately 40 metres above mean sea level. The property is bounded by Sussex Street to the south and Osborne Road to the east. The Brookside Shopping Complex can be found to the east across Osborne Road and residential allotments exist to the north, west and south across Sussex Street. The general land usage in the vicinity of the site is residential and commercial/retail (refer to Figure 2).

3.2 REGIONAL GEOLOGY AND HYDROGEOLOGY

According to published geological maps of the area, the property is located on Palaeozoic aged Bunya Phyllite of the D'Aguilar Block. It is composed of phyllite, minor labile arenite and rare basic metavolcanics (Geological Survey of Queensland, Caboolture, 1:100,000, Sheet 9443, 1st Edition 1979).

Based on the Groundwater Resources of Queensland, Mines Department Series: Map 4 (1:2,500,000), groundwater in the region typically has a low bore yield (<5 litres/second) and moderate salinity (Total Dissolved Ions: 1,500-5,000 mg/L). This water is suitable for most stock and some domestic and irrigation purposes.

4. SITE HISTORY

The site history investigation was comprised of a local council records search, a review of historical property titles, an aerial photograph interpretation and anecdotal information. This information is described in the sections below.

4.1 COUNCIL RECORDS SEARCH

The Brisbane City Council was contacted regarding the Flammable and Combustible Liquid License (FCLL) records for the site and to determine if any other environmentally relevant activities had been performed at the site. The properties street address is 1 Sussex Street. A FCLL is current for the property (until 30th June, 1999) and states a total capacity of 71,400 litres which is consistent with the capacity of the systems which were removed from the site (USTs and ASTs). An Environmental Authority Licence for a motor vehicle workshop was also held and lapsed on the 10th April 1999.

4.2 HISTORICAL PROPERTY TITLE REVIEW

A review of the historical property titles indicates that the service station facility was built in the early 70's when the site was first owned by Total Australia Limited. Prior to 1970 the property was privately owned for residential use. The property owners are listed in Table 1. The historical property titles and plans for the site since 1929 are included as Appendix A.

4.3 AERIAL PHOTOGRAPH SEARCH

An aerial photograph search was performed to ascertain historical land use at and around the project site. The following table summarises the photographs viewed during the search. No aerial photographs were available prior to 1949.

YEAR	TITLE OF PHOTOGRAPHY & SCALE	RUN NUMBER	PHOTOGRAPH NUMBER
1997	Caboolture (1:25,000)	12	23
1987	Caboolture (1:25,000)	12	106
1978	Caboolture (1:25,000)	12	09
1971	Caboolture (1:47,900)	7	139
1965	Samford (1:32,000)	4	105
1955	Samford (1:24,000)	5A	48
1949	Samford (1:32,000)	5	55

The photographs from 1949 to 1965 showed that the site and land surrounding the site was residential. Osborne Road and Sussex Street were present and sealed with bitumen. The land that is currently the Brookside Shopping Complex was pasture land with some cropping to the far north-east and Mt Maria College located to the south-east (see Figure 1).

The photograph viewed for 1971 indicated that the service station had been constructed and had the same form as was seen prior to decommissioning. Brookside Shopping Complex was also being constructed. The residences along the opposite side of Osborne Road from the site had been demolished. Land around the site to the north, west and south was still residential, although the housing density had increased. Land to the far north-east was still cropped and Mt Maria College, to the south-east had expanded. Surrounding infrastructure (including Osborne Road and Sussex Street) had not changed.

In 1978, 1987 and 1997 the site is unchanged, having the same layout as found on-site prior to decommissioning. Surrounding landuse had not changed significantly with the cropped area becoming residential, housing density increasing further and Brookside Shopping Complex expanded. Surrounding infrastructure did not change.

4.4 ANECDOTAL INFORMATION

The original Total Australia Limited Site Service and Paving Plan (18 February 1970) for the Mitchelton service station are included as Figure 7. sch4p4(6) Persona the Caltex Business Manager for the Mitchelton service station, was contacted by OTEK to confirm site details. To the best of his knowledge:

- No significant spills or leaks occurred at the site;
- No imported fill was brought onto the site whilst it was operating as a Caltex Service Station;
- No chemicals were stored at the site;
- One 450 litre kerosene AST was utilised at the site. This AST was removed prior to OTEK's involvement with the property. The exact location of the AST could not be verified however; and
- The workshop facilities, including the in-ground hoist and waste oil UST have been in place at the site since its construction.

5.

POTENTIAL RECEPTORS

Potential receptors of hydrocarbon contamination in the area are the surrounding retail and residential properties. Underground utilities located on and around the site are also considered potential receptors. These include Telstra cables and the water main in the footpaths adjacent to the site. Surface run off from the site is channelled into the kerb-side storm water drains in the surrounding streets.

6. POTENTIAL ON-SITE AND OFF-SITE SOURCES

Hydrocarbon impact may have occurred as a result of leaks or spills from a number of features identified at the site. These include:

- four petroleum hydrocarbon USTs and associated dip and fill points;
- one waste oil UST and associated delivery piping;
- four bowzers and associated suction and delivery piping;
- one triple interceptor trap;
- one inground hydraulic hoist; and
- a workshop.

The kerosene AST, removed from the site prior to OTEKs involvement with the property, is not considered to be a potential source of hydrocarbon contamination as it would have been located on the sealed concrete surface of the site. No potential off-site sources of contamination were noted in the vicinity of the site.

7. FIELD ACTIVITIES

The following sections provide details of the various field activities performed by OTEK during the site decommissioning. Remediation and validation activities at the site were conducted between 18 February and 15 April 1999. Photographs of the remediation and validation activities have been included in Appendix B, Photograph Log.

7.1 SITE RECONNAISSANCE

A visual assessment of the facility was undertaken prior to commencement of decommissioning to ascertain if any visual evidence of environmental impact exists on site. The potential on- and off-site sources of contamination were noted along with the condition of the surface of the site and any areas of visual impact such as surface staining were noted. The surrounding land usage was also documented.

7.2 HYDROCARBON SOURCE REMOVAL

All known potential sources of hydrocarbon contamination were removed from the site. These included:

- a triple interceptor trap;
- waste oil AST;
- an in-ground hydraulic hoist; and

- the UST system including suction, delivery and vent piping (bowzers had been removed prior to OTEK's appointment to decommission the site).

Removal of the hydrocarbon sources outlined above was completed by an OTEK appointed sub-contractor on 17- 19 February 1999.

Overburden soils were then removed to expose the USTs, with soils excavated from around the sides of the USTs, interceptor and hoist to free them from the excavations. All steel piping connected to the USTs (including suction, delivery and vent piping) was removed after draining residual product back into the tanks and were disposed of as scrap metal. The USTs were transported from the site on Dangerous Goods licensed vehicles, degassed and scrapped in accordance with AS1940 (1993) and AIPCP22.

The triple interceptor trap outlet to sewerage was cut and capped by a qualified plumber.

7.3 SOIL EXCAVATION

Hydrocarbon impacted soil was excavated from around the UST and interceptor and in-ground hoist systems. This soil was field screened for Volatile Organic Compounds (VOCs) using a Photoionisation Detector (PID) and olfactory sensing. Visual observations were also made for evidence of contamination. A total of approximately 120m³ of soil was excavated from the UST cavity, from beneath the bowser areas, waste oil UST and from around the interceptor and hoist.

Of the 120m³, approximately 12m³ of soil excavated from around the waste oil UST appeared to have low VOC odours and was designated as Area A-1. Approximately 10m³ was excavated from beneath the bowzers and had low to moderate VOCs, this soil was designated as Area A-2 and A-3. The 80m³ of soil excavated from the UST cavity appeared to have low to moderate VOCs and some hydrocarbon staining and was designated as Area A-4. Area A-5 (2.5m³) consisted of soil excavated from around the interceptor and had moderate VOCs. Approximately 15m³ excavated from around the hoist appeared to have low VOCs and was placed in Area A-6. This soil was spread on site prior to backfilling and for remediation (refer to Section 7.5 and Figures 4 to 6).

7.4 EXCAVATION VALIDATION SAMPLING

Following removal of the potential sources of hydrocarbon impact and excavation of contaminated soil, samples were obtained to assess concentrations of hydrocarbons in the soil remaining at the boundaries of the excavations. Samples were obtained from the walls and floors of the excavation pits as per OTEK Protocols, dated September 1993 (EPA approved). The excavator bucket was utilised to collect samples from excavations greater than 1.5 metres deep, at

locations specified by the OTEK field scientist. Soil samples were obtained from shallow excavations utilising clean hand tools.

The soil samples obtained from the excavations were labelled S-1 to S-47. The excavation validation sample locations are shown on Figures 4 to 6.

7.5 SOIL REMEDIATION

Soil contaminated with hydrocarbons above EPA specified guidelines was excavated and spread on-site for remediation. A total of 2.5m³ of impacted soil excavated from the interceptor area (Area A-5) was spread on-site (refer to Section 7.3 and Figure 5). This was the only stockpile of soil which exhibited hydrocarbon levels above EPA guidelines. The stockpiled soil had fertiliser spread through it and was rotated during the remediation process. This aeration process was conducted to increase volatilisation of hydrocarbons from the soil and to elevate the levels of oxygen in the soil which assists in stimulating the growth of hydrocarbon degrading microbes.

7.6 REMEDIATION VALIDATION SAMPLING

The stockpiled soils were field screened for VOCs using a PID and olfactory sensing during the remediation activities to evaluate the progress of hydrocarbon degradation. When field screening indicated that hydrocarbon levels had decreased sufficiently to warrant validation, sampling occurred.

The four stockpiles designated as Areas A-1, A-2, A-3 and A-6 had discrete representative samples taken from the undisturbed bulk of the soil at a random location in each remediation area. The discrete validation sample taken from each stockpile area was designated as V-1. For example, Sample A-1/V-1 was the first soil validation sample obtained from stockpile Area A-1. The stockpile designated as Area A-4 was nominally divided into areas of 50m³ and validation Samples A-4/V-1 to A-4/V-2 were taken.

A discrete representative sample was taken from the undisturbed bulk of soil at a random location in the stockpile designated as Area A-5. As this sample indicated hydrocarbon concentrations above EPA guidelines, Samples A-5/V-2 and A-5/V-3 were obtained from Area A-5 after certain time intervals had lapsed to monitor the remediation process until hydrocarbon levels were below EPA guidelines. The location of the remediation validation samples are shown on Figures 4 to 6.

7.7 BACKFILLING AND COMPACTION

Following successful remediation of hydrocarbon impacted soil on site, the excavations were backfilled using remediated soil and imported clean fill to replace the volume of the USTs, interceptor,

hoist and surface concrete. The clean fill was unspecified scalp material sourced from the Pioneer facility at Ferny Grove, Brisbane.

8. ANALYTICAL LABORATORY TESTING

The following sections describe the testing methodologies and quality assurance/quality control (QA/QC) procedures used for analysis of the soil samples obtained during the field activities.

8.1 ANALYTICAL TESTING

Analytical laboratory testing was performed on a total of sixty soil samples, as summarised below:

- Thirty soil samples were obtained as UST and bowser excavation validation samples and analysed for Benzene, Toluene, Ethylbenzene and Total Xylenes (BTEX), Total Petroleum Hydrocarbons (TPH) and lead. One sample from the bowser area was obtained in a pocket of fill or disturbed material and was also analysed for the heavy metals (arsenic, cadmium, chromium, copper, nickel, lead and zinc), Polynuclear Aromatic Hydrocarbons (PAH) and Organochlorine/ Organophosphorous pesticides (OC/OPs);
- Fifteen soil samples were collected from the triple interceptor trap, waste oil UST and hoist excavations as validation samples. These samples were analysed for BTEX, TPH and lead. Selected samples were also analysed for heavy metals and PAH;
- Two soil samples were collected from the delivery piping for the waste oil UST as validation samples. These samples were analysed for BTEX, TPH and lead. Selected samples were also analysed for heavy metals and PAH;
- Nine soil samples were collected from stockpiled soils as remediation validation samples of the excavated soil. These samples were analysed for BTEX, TPH and lead. Selected samples were also analysed for heavy metals and PAH;
- Four quality control samples (QS-1 to QS-4) were collected during the project, as detailed in the sections below.

All samples were collected in the field by OTEK personnel. All samples collected were sealed in glass jars, labelled, placed on ice and transferred to the analytical laboratory using proper sample preservation procedures and chain-of-custody documentation. All analytical laboratory testing was performed by Australian Environmental Laboratories (AEL) of Albion, Queensland. AEL's laboratory methods for the constituents analysed are certified by the National Association of Testing Authorities (NATA).

The results of the analytical testing of all samples are summarised in Tables 2 to 5. The analytical reports as presented by AEL appear within Appendix D.

8.2 QUALITY ASSURANCE/QUALITY CONTROL

As part of OTEK's ongoing Quality Control Program, four duplicate soil samples, QS-1 to QS-4 were obtained. Sample QS-1 is a duplicate of S-4, QS-2 is a duplicate of S-13, QS-3 is a duplicate of S-38 and QS-4 is a duplicate of S-40. The Relative Percent Difference (RPD) between the samples was calculated.

The analytical testing laboratories used by OTEK are required to adhere to accepted analytical methodologies and conduct regular quality control checks on their analyses.

OTEK requires these laboratories to regularly provide results of reagent blanks, control standards, repeat duplicates and recoveries. These procedures and results are documented in the laboratory reports in Appendix D.

9. EVALUATION OF DATA

Information pertaining to physical sub-surface conditions, the general condition of the USTs, and the contaminant impact at the site was collected during the decommissioning activities. This information is evaluated in the following sections.

9.1 SITE RECONNAISSANCE

On 18 February 1999, an OTEK field scientist conducted a thorough site walk over. The following site conditions were noted:

- The entire surface of the site was concreted with the exception of garden beds on the perimeters of the property. The concrete on site was found in good condition;
- The bowzers had been removed prior to OTEK's involvement with the site;
- No indication of the former location of the kerosene AST could be found. However, it would have been situated on concrete;
- A waste oil UST was located to the east of the workshop (see Figure 3) and contained 1,400 litres of oil. This oil was removed from the site on 18th February 1999 by Barkoola;
- A triple interceptor trap was located to the west of the workshop (see Figure 3). The interceptor contained 500 litres of waste liquid. This liquid was removed from the site by Barkoola on 18 February 1999;

- An inground hydraulic hoist was located in the workshop (see Figure 3);
- Four petroleum hydrocarbon USTs were located in a cluster to the south of the retail building and canopy (see Figure 3). Dip and fill points were located above the UST cavity;
- The four USTs were empty and in good condition when removed; and
- During excavation of the bowser area disturbed or fill material was encountered. This material contained bricks and sandy clay and was located at the northern end of the eastern most bowser excavation only. Fill was not encountered in any other area of the site.

No other visual evidence of contamination was observed during reconnaissance of the facility.

9.2 SOIL AND GROUNDWATER CONDITIONS

The near surface stratigraphy was evaluated via an inspection of the excavations. Soil conditions at the site consisted of a grey, red and orange mottled silty clay to 3.5-4.0 metres Below Ground Surface (mBGS). This clay had moderate plasticity and a stiff consistency. Underlying this to the extent of this investigation at 4.5 mBGS was a grey clayey sand of zero plasticity and moderately dense consistency. Groundwater was not encountered during excavation procedures.

9.3 SITE IMPACT

During excavation procedures, hydrocarbon impacted soil was encountered around the various sources found on-site.

9.3.1 Excavation Validation

Analytical testing of excavation validation samples from the UST cavities (S-7 to S-18, S-25 to S-30, S-37 and S-38), waste oil UST cavity (S-1 to S-5), inground hydraulic hoist (S-39 to S-43) and interceptor (S-31 to S-35) excavations indicated concentrations of BTEX, TPH and lead below laboratory detection limits or EPA Environmental based Investigation Levels (EIL) (refer to Table 2).

Analytical testing of bowser area validation samples (S-21 to S-24 and S-44 to S-46) indicated TPH and lead concentrations below EPA EIL for all samples. Concentrations of BTEX were above EPA EIL for one sample, S-23 located in the southern end of the eastern most bowser excavation (see Figure 4). Further soil was excavated from this area and placed in a stockpile for remediation. Sample S-23A was then obtained and indicated concentrations of BTEX below laboratory detection limits (refer to Table 2).

Analytical testing of samples obtained from the base and walls of the interceptor and waste oil UST excavations indicated concentrations of the heavy metals cadmium, chromium, copper, nickel and lead below laboratory detection limits or below EPA EIL (refer to Table 3).

Concentrations of arsenic above EPA EIL were detected in the majority of samples analysed for heavy metals. These concentrations appear to be naturally occurring as suggested by soil sampling carried out in the Mitchelton district by Mr Mark Paton. While working for the EPA, Mr Paton collected samples in the area and analysed them for arsenic. The results of this analysis can be found in an internal report associated with the EPA file number 901385 (BP Service Station 178 Osborne Road, Mitchelton). Furthermore, these concentrations are below EPA Health-based Investigation Levels (HIL) for residential areas with garden/accessible soil (refer to Table 3).

Analysis of Sample S-47, obtained from an underground piping trench leading to the waste oil UST indicated concentrations of zinc above EPA EIL, however this concentration was below EPA HIL for residential areas with garden/accessible soil (refer to Table 3) and appears to represent an isolated sample.

Concentrations of PAH were below EPA EIL or laboratory detection limits for all samples analysed (refer to Table 4).

One sample obtained from fill material in the bowser area was also analysed for OC/OP pesticides. This sample indicated concentrations below laboratory detection limits (refer to Table 5).

9.3.2 Remediation Validation

Analytical testing of remediation validation samples obtained from soil excavated from the USTs, interceptor and hoist excavations indicated concentrations of BTEX and lead below EPA EIL or below laboratory detection limits (refer to Table 2).

One stockpile, Area A-5 (soil excavated from the interceptor cavity), indicated concentrations of TPH above EPA EIL. This soil was left to remediate for a further 3 weeks before being re-sampled (A-5/V-2). Analysis of this sample also indicated concentrations of TPH above EPA EIL. The stockpile was left for a further month before being sampled again. This sample, Sample A-5/V-3, indicated concentrations of TPH below laboratory detection limits (refer to Table 2).

Analytical testing of samples obtained from the base and walls of the interceptor and waste oil UST excavations indicated concentrations of the heavy metals cadmium, chromium, copper, nickel, lead and zinc below laboratory detection limits or below EPA EIL (refer to Table 3).

Concentrations of arsenic above EPA EIL were detected in all samples analysed for heavy metals, with the exception of Samples S-1, S-5, S-40 and S-47. These concentrations appear to be naturally occurring as suggested by soil sampling carried out in the Mitchelton district. Furthermore, these concentrations are below EPA Health-based Investigation Levels (HIL) for residential areas with garden/accessible soil (refer to Table 3).

Concentrations of PAH were below EPA EIL or laboratory detection limits for all samples analysed (refer to Table 4).

9.4 QUALITY ASSURANCE/QUALITY CONTROL

Analytical testing of the quality assurance samples (QS-1 to QS-4) and their duplicates indicated that the RPD for BTEX, TPH, PAH and heavy metals was acceptable for QA/QC purposes (refer to Tables 6 and 7).

10. CONCLUSIONS

Based on the data obtained during the site decommissioning and remediation activities the following conclusions can be derived:

- The site has been used as a service station for approximately 28 years and was residential prior to this;
- Five USTs (one being a waste oil UST), one triple interceptor trap, an inground hydraulic hoist and associated piping were removed from the site;
- Soil conditions at the site consisted of a silty clay to 3.5 - 4.0 mBGS. Underlying this to the extent of this investigation at 4.5 mBGS was a clayey sand. Groundwater was not encountered;
- Approximately 120m³ of hydrocarbon impacted soil was excavated from around the USTs, interceptor and hoist and spread over the site for remediation;
- Analytical testing of excavation validation samples indicated that all known hydrocarbon impacted soils in excess of relevant EPA guidelines were removed from areas adjacent to the known potential sources;
- Analytical testing of a sample located in the pipeline trench leading to the waste oil UST indicated concentrations of zinc above EPA EIL but below EPA HIL for residential areas with garden/accessible soil. The absence of zinc in all other samples collected suggests that this is an isolated incidence;
- Analytical testing of remediation validation samples indicated that hydrocarbon concentrations within the stockpiles were reduced to levels below EPA guidelines;

- Arsenic concentrations above EPA EIL were encountered on site, however these levels can be contributed to those found naturally occurring in the area and were at concentrations below the EPA HIL for residential areas with garden/accessible soil; and
- The validated remediated soil was backfilled and compacted into the excavations and imported clean fill was used to replace the volume of the removed USTs.

Based on the data obtained during the site decommissioning activities detailed herein, all known sources of contamination on this property were removed and hydrocarbon impacted soils were excavated and remediated to levels acceptable to the EPA. OTEK recommends that the property be released from the EPA EMR.

11. LIMITATIONS

The conclusions presented in this report are relevant to the condition of the site and the state of legislation currently enacted as at the date of this report. We do not make any representation or warranty that conclusions in this report will be applicable in the future as there may be changes in the condition of the site, applicable legislation or other factors that would affect the conclusions contained in this report.

OTEK has used a degree of skill and care ordinarily exercised by reputable members of our profession practising in the same or similar locality. Conclusions are based on representative samples or locations at the site, the intensity of those samples being in accordance with the usual levels of testing carried out for this type of investigation. Due to the inherent variability in natural soils we cannot warrant that the whole overall condition of the site is identical or substantially similar to the representative samples.

This report has been prepared for Caltex Australia Petroleum Pty Ltd for the specific purpose to which it refers. No responsibility is accepted to any third party and neither the whole of the report or any part or reference thereto may be published in any document, statement or circular nor in any communication with third parties without our prior written approval of the form and context in which it will appear.

This report and the information contained in it is the intellectual property of OTEK. Caltex Australia Petroleum Pty Ltd and the Queensland Environmental Protection Agency are granted an exclusive licence for use of the report for the purpose described in the report.

TABLE 1
HISTORY OF PROPERTY OWNERS
CORNER SUSSEX STREET & OSBORNE ROAD
MITCHELTON, QUEENSLAND

TITLE HISTORY FOR PORTION 36 (see Figure 2)

LOT ON PLAN	PROPERTY OWNER	DATE	SITE USAGE
Resubdivisions 11 & 12 of Subdivisions 422 to 425 of Portion 36 on Plan Cat. No. 46470	Realty Development Company Limited	19/04/1929	Development of a Residential Area
Resubdivision 11 of Subdivision 422 to 425 of Portion 36 on Plan Cat. No. 46470	Brisbane City Council	28/08/1939	Housing Commission Homes
	sch4p4(6) Personal information	16/03/1948	Residential
		02/12/1948	
		30/05/1950	
	Total Australia Limited	03/12/1969	Service Station
*Lot 1 on Plan Cat. No.123766	Total Australia Limited	02/07/1970	
Resubdivision 12 of Subdivisions 422 to 425 of Portion 36 on Plan Cat. No. 46470	NB:- TITLES FOR THIS PERIOD COULD NOT BE FOUND AS THE TITLES OFFICE HAVE MIS-FILED THEM. A SEARCH FOR THESE TITLES IS STILL BEING COMPLETED AND WILL BE FORWARDED TO THE EPA AT A LATER DATE IF THEY ARE LOCATED.		
**Portion 1127 on Plan Cat. No. SL.6101	Total Australia Limited	16/04/1970	Service Station
***Lot 1 on Plan Cat. No. 123766	Total Australia Limited	02/07/1970	
Lot 1 on RP 123766	****Ampol Property (Holdings) Limited	25/10/1990	Service Station

Notes:

- * Resubdivision 11 of Subdivision 422 to 425 of Portion 36 on Plan Cat. No. 46470 became Lot 1 on Plan Cat. 123766 on the 2nd July, 1970;
- ** Resubdivision 12 of Subdivisions 422 to 425 of Portion 36 on Plan Cat. No. 46470 became Portion 1127 on Plan Cat. No. SL.6101 on the 16th April 1970;
- *** Portion 1127 on Plan Cat. No. SL.6101 became Lot 1 on Plan Cat. 123766 on the 2nd July, 1970; and
- **** Total Australia Limited changed its trading name to Ampol Property (Holdings) Limited.

TABLE 2
ANALYTICAL SUMMARY - SOIL SAMPLES (BTEX, TPH & Pb)
CALTEX SERVICE STATION
CNR SUSSEX STREET & OSBORNE ROAD
MITCHELTON, QUEENSLAND

Sample ID & Depth (m)	BTEX					TPH					Pb
	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-Benzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	C ₆ -C ₉ (mg/kg)	C ₁₀ -C ₁₄ (mg/kg)	C ₁₅ -C ₂₈ (mg/kg)	C ₂₉ -C ₃₆ (mg/kg)	Total TPH (mg/kg)	Lead (mg/kg)
S-1/1.5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	11
S-2/2.0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	8
S-3/1.0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	7
S-4/1.5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	9
S-5/1.0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	8
S-6/0.7	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	20
S-7/3.0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	9
S-8/4.0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	11
S-9/3.2	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	65
S-10/3.5	nd	nd	nd	nd	nd	nd	nd	85	nd	85	16
S-11/4.0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	4
S-12/4.0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	3
S-13/3.5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	10
S-14/4.0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	5
S-15/4.5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
S-16/3.7	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	7
S-17/4.5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
S-18/4.0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	13
S-19/4.5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
S-20/4.5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
S-21/1.0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	60
EPA Environmental Investigation Level	1	-	-	-	7*	100*	100*	1000*	1000*	1000*	300
Practical Quantitation Limit	0.5	0.5	0.5	1.5	0.5	20	20	50	100	20	3
Laboratory Methodology	PEO-310					BEO200					BEM100/120/130

Notes:

- Sample ID: S-# denotes a discrete soil sample obtained from the soil surface of an excavation, A-#/V-# denotes a discrete soil sample obtained from a stockpile and QS-# denotes a quality assurance duplicate;
- QS-1 is a duplicate of S-4/1.5m, QS-2 is a duplicate of S-13/3.0m, QS-3 is a duplicate of S-38/3.5m and QS-4 is a duplicate of S-40/0.5m;
- Samples were obtained on 22nd and 23rd of February, except S-23A/1.0m obtained 26/3/99, A-5/V-2 obtained 16/3/99 and A-5/V-3 obtained 15/4/99;
- Shading denotes concentrations in excess of EPA guidelines;
- "nd" denotes concentrations not detected;
- "-" denotes analysis not requested;
- EPA Criteria as stated in Draft Guidelines for the Assessment and Management of Contaminated Land in Queensland (May, 1998); and
- *EPA Criteria as stated in Guidelines for the Assessment of Contaminated Land in Queensland (CHEM Unit, January 1992).

TABLE 2 (cont.)
ANALYTICAL SUMMARY - SOIL SAMPLES (BTEX, TPH & Pb)
CALTEX SERVICE STATION
CNR SUSSEX STREET & OSBORNE ROAD
MITCHELTON, QUEENSLAND

Sample ID & Depth (m)	BTEX					TPH					Pb
	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-Benzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	C ₆ -C ₉ (mg/kg)	C ₁₀ -C ₁₄ (mg/kg)	C ₁₅ -C ₂₈ (mg/kg)	C ₂₉ -C ₃₆ (mg/kg)	Total TPH (mg/kg)	Lead (mg/kg)
S-22/1.0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	41
S-23/0.8	0.6	2.3	0.6	4.0	7.5	nd	nd	nd	nd	nd	58
S-23A/1.0	nd	nd	nd	nd	nd	-	-	-	-	-	-
S-24/1.0	0.5	nd	0.9	3.7	5.1	nd	nd	nd	nd	nd	10
S-25/2.8	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	12
S-26/3.0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	12
S-27/2.5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	6
S-28/3.0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	12
S-29/3.0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	9
S-30/2.5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	7
S-31/1.5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	12
S-32/1.0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	12
S-33/0.9	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	8
S-34/0.9	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	11
S-35/0.5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	10
S-37/3.5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	3
S-38/3.5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	6
S-39/2.5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	9
S-40/0.5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	28
S-41/1.3	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	17
EPA Environmental Investigation Level	1	-	-	-	7*	100*	100*	1000*	1000*	1000*	300
Practical Quantitation Limit	0.5	0.5	0.5	1.5	0.5	20	20	50	100	20	3
Laboratory Methodology	PEO-310					BEO200					BEM100/120/130

Notes:

- Sample ID: S-# denotes a discrete soil sample obtained from the soil surface of an excavation, A-#/V-# denotes a discrete soil sample obtained from a stockpile and QS-# denotes a quality assurance duplicate;
- QS-1 is a duplicate of S-4/1.5m, QS-2 is a duplicate of S-13/3.0m, QS-3 is a duplicate of S-38/3.5m and QS-4 is a duplicate of S-40/0.5m;
- Samples were obtained on 22nd and 23rd of February, except S-23A/1.0m obtained 26/3/99, A-5/V-2 obtained 16/3/99 and A-5/V-3 obtained 15/4/99;
- Shading denotes concentrations in excess of EPA guidelines;
- "nd" denotes concentrations not detected;
- "-" denotes analysis not requested;
- EPA Criteria as stated in Draft Guidelines for the Assessment and Management of Contaminated Land in Queensland (May, 1998); and
- *EPA Criteria as stated in Guidelines for the Assessment of Contaminated Land in Queensland (CHEM Unit, January 1992).

TABLE 2 (cont.)
ANALYTICAL SUMMARY - SOIL SAMPLES (BTEX, TPH & Pb)
CALTEX SERVICE STATION
CNR SUSSEX STREET & OSBORNE ROAD
MITCHELTON, QUEENSLAND

Sample ID & Depth (m)	BTEX					TPH					Pb
	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-Benzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	C ₆ -C ₉ (mg/kg)	C ₁₀ -C ₁₄ (mg/kg)	C ₁₅ -C ₂₈ (mg/kg)	C ₂₉ -C ₃₈ (mg/kg)	Total TPH (mg/kg)	Lead (mg/kg)
S-42/1.7	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	13
S-43/2.0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	10
S-44/0.7	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	9
S-45/0.5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	68
S-46/0.7	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	11
S-47/0.7	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	82
A-1/V-1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	7
A-2/V-1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	15
A-3/V-1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	10
A-4/V-1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	21
A-4/V-2	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	9
A-5/V-1	nd	nd	nd	nd	nd	nd	330	490	nd	820	120
A-5/V-2	-	-	-	-	-	nd	480	140	nd	620	-
A-5/V-3	-	-	-	-	-	nd	nd	nd	nd	nd	-
A-6/V-1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	11
QS-1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	12
QS-2	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	10
QS-3	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	8
QS-4	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	20
EPA Environmental Investigation Level	1	-	-	-	7*	100*	100*	1000*	1000*	1000*	300
Practical Quantitation Limit	0.5	0.5	0.5	1.5	0.5	20	20	50	100	20	3
Laboratory Methodology	PEO-310					BEO200					BEM100/120/130

Notes:

- Sample ID: S-# denotes a discrete soil sample obtained from the soil surface of an excavation, A-#/V-# denotes a discrete soil sample obtained from a stockpile and QS-# denotes a quality assurance duplicate;
- QS-1 is a duplicate of S-4/1.5m, QS-2 is a duplicate of S-13/3.0m, QS-3 is a duplicate of S-38/3.5m and QS-4 is a duplicate of S-40/0.5m;
- Samples were obtained on 22nd and 23rd of February, except S-23A/1.0m obtained 26/3/99, A-5/V-2 obtained 16/3/99 and A-5/V-3 obtained 15/4/99;
- Shading denotes concentrations in excess of EPA guidelines;
- "nd" denotes concentrations not detected;
- "-." denotes analysis not requested;
- EPA Criteria as stated in Draft Guidelines for the Assessment and Management of Contaminated Land in Queensland (May, 1998); and
- *EPA Criteria as stated in Guidelines for the Assessment of Contaminated Land in Queensland (CHEM Unit, January 1992).

TABLE 3
ANALYTICAL SUMMARY - SOIL SAMPLES (METALS)
CALTEX SERVICE STATION
CNR SUSSEX STREET & OSBORNE ROAD
MITCHELTON, QUEENSLAND

Sample ID & Depth (m)	Arsenic As (mg/kg)	Cadmium Cd (mg/kg)	Chromium Cr (mg/kg)	Copper Cu (mg/kg)	Nickel Ni (mg/kg)	Lead Pb (mg/kg)	Zinc Zn (mg/kg)
S-1/1.5	17	nd	9	6	nd	11	67
S-3/1.0	34	nd	9	5	nd	7	33
S-5/1.0	20	nd	12	10	nd	8	11
S-31/1.5	34	nd	14	11	nd	12	15
S-34/0.9	24	nd	19	9	nd	11	16
S-39/2.5	23	nd	12	14	nd	9	13
S-40/0.5	4.9	nd	10	11	5	28	60
S-46/0.7	56	nd	5	7	nd	11	40
S-47/0.7	17	nd	19	49	6	82	290
A-1/V-1	25	nd	9	nd	nd	7	32
A-5/V-1	67	nd	25	16	7	120	67
A-6/V-1	37	nd	12	12	nd	11	18
QS-4	53	nd	18	10	6	20	47
EPA Environmental Investigation Level	20	3	50	60	60	300	200
EPA Human Health Based Level	100	20	120,000	1000	600	300	7000
Practical Quantitation Limit	3	1	3	3	3	3	3
Laboratory Methodology	BEM200, BEM100/120, BEM120, BEM100/120/130						

Notes:

- Sample ID: S-# denotes a discrete soil sample obtained from the soil surface of an excavation, A-#/V-# denotes a discrete soil sample obtained from a stockpile of soil and QS-# denotes a quality assurance duplicate;
- QS-4 is a quality assurance duplicate of Soil Sample S-40/0.5m;
- Samples were obtained on the 22nd and 23rd February;
- "nd" denotes concentrations not detected;
- EPA Criteria as stated in Draft Guidelines for the Assessment and Management of Contaminated Land in Queensland (May, 1998);
- EPA Human Health Based Criteria as stated in Draft Guidelines for the Assessment and Management of Contaminated Land in Queensland (May 1998) for 'Standard' residential areas with garden/accessible soil, this category includes children's day-care centres, preschools and primary schools; and
- Shading indicates concentration above EPA criteria.

TABLE 4
ANALYTICAL SUMMARY - SOIL SAMPLES (PAH)
CALTEX SERVICE STATION
CNR SUSSEX STREET & OSBORNE ROAD
MITCHELTON, QUEENSLAND

Sample ID & Depth (m)	Date	Napthalene (mg/kg)	Acenaphthylene (mg/kg)	Acenaphthene (mg/kg)	Fluorine (mg/kg)	Phenanthrene (mg/kg)	Anthracene (mg/kg)	Fluoranthene (mg/kg)	Pyrene (mg/kg)	Benzo (a) Anthracene (mg/kg)	Chrysene (mg/kg)	Benzo (b) fluoranthene (mg/kg)	Benzo (k) Fluoranthene (mg/kg)	Benzo (a) Pyrene (mg/kg)	Dibenzo (ah) anthracene (mg/kg)	Benzo (ghi) Perylene (mg/kg)	Indeno (1,2,3-cd) Pyrene (mg/kg)	Total PAH (mg/kg)
S-2/2.0	22/2/99	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
S-6/0.7	22/2/99	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
S-46/0.7	22/2/99	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
A-1/V-1	22/2/99	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
A-5/V-1	22/2/99	5.8	nd	0.8	0.6	1.3	nd	0.5	0.3	nd	nd	nd	nd	nd	nd	nd	nd	9.3
A-6/V-1	22/2/99	0.2	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.2
EPA Health-based Investigation Level (Residential)		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	20
EPA Health-based Investigation Level (Commercial/Industrial)		-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	100
Practical Quantitation Limits		0.1	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-
Laboratory Methodology		BEO301																-

Notes:

- Sample ID: S-# denotes a discrete soil sample obtained from the soil surface of an excavation and A-#/V-# denotes a discrete soil sample obtained from a stockpile;
- "nd" denotes concentrations not detected;
- *EPA HIL for standard residential land with garden accessible soil as stated in the Draft Guidelines for the Assessment and Management of Contaminated Land in Queensland (May 1998); and
- **EPA HIL for commercial/industrial land which includes shops and offices as well as factories as stated in the Draft Guidelines for the Assessment and Management of Contaminated Land in Queensland (May 1998).

TABLE 4 (continued)
ANALYTICAL SUMMARY - SOIL SAMPLES (PAH)
CALTEX SERVICE STATION
CNR SUSSEX STREET & OSBORNE ROAD
MITCHELTON, QUEENSLAND

Sample ID & Depth (m)	Date	Napthalene (mg/kg)	Acenaphthylene (mg/kg)	Acenaphthene (mg/kg)	Fluorine (mg/kg)	Phenanthrene (mg/kg)	Anthracene (mg/kg)	Fluoranthene (mg/kg)	Pyrene (mg/kg)	Benzo (a) Anthracene (mg/kg)	Chrysene (mg/kg)	Benzo (b) fluoranthene (mg/kg)	Benzo (k) Fluoranthene (mg/kg)	Benzo (a) Pyrene (mg/kg)	Dibenzo (ah) anthracene (mg/kg)	Benzo (ghi) Perylene (mg/kg)	Indeno (1,2,3-cd) Pyrene (mg/kg)	Total PAH (mg/kg)
S-31/1.5	23/2/99	0.2	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.2
S-35/0.5	23/2/99	3.2	nd	0.2	nd	0.3	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	3.7
S-39/2.5	23/2/99	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
S-40/0.5	23/2/99	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
QS-4	23/2/99	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
EPA Health-based Investigation Level (Residential)		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	20
EPA Health-based Investigation Level (Commercial/Industrial)		-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	100
Practical Quantitation Limits		0.1	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-
Laboratory Methodology		BEO301																-

Notes:

- Sample ID: S-# denotes a discrete soil sample obtained from the soil surface of an excavation and QS-# denotes a quality assurance duplicate;
- QS-4 is a quality assurance duplicate of Sample S-40/0.5m;
- "nd" denotes concentrations not detected;
- *EPA HIL for standard residential land with garden accessible soil as stated in the Draft Guidelines for the Assessment and Management of Contaminated Land in Queensland (May 1998); and
- **EPA HIL for commercial/industrial land which includes shops and offices as well as factories as stated in the Draft Guidelines for the Assessment and Management of Contaminated Land in Queensland (May 1998).

TABLE 5
ANALYTICAL SUMMARY – SOIL SAMPLES (OC/OP Pesticides)
CALTEX SERVICE STATION
CNR SUSSEX STREET & OSBORNE ROAD
MITCHELTON, QUEENSLAND

Sample ID & Depth (m)	OC Pesticides (mg/kg)	OP Pesticides (mg/kg)
S-46	nd	nd
EPA Environmental Investigation Level	0.2	2*
EPA Health-based Investigation Level	200	-
Practical Quantitation Limit	0.1	0.5
Laboratory Methodology	BEO101	BEO101

Notes:

- S-# denotes a discrete soil sample obtained from the soil surface of an excavation;
- The soil sample was obtained on 22nd February 1999;
- "nd" denotes all individual compound concentrations below laboratory method of detection limits;
- EPA Environmental Investigation Levels as stated in Draft Guidelines for the Assessment and Management of Contaminated Land in Queensland (May 1998);
- EPA Health-based Levels as stated in Draft Guidelines for the Assessment and Management of Contaminated Land in Queensland (May 1998) for standard residential areas with garden accessible soil, includes day-care centres, pre-schools and primary schools; and
- *EPA Criteria as stated in Guidelines for the Assessment of Contaminated Land in Queensland (CHEM Unit, January 1992).

TABLE 6
ANALYTICAL SUMMARY – QA/QC SOIL SAMPLES (BTEX, TPH & Pb)
CALTEX SERVICE STATION
CNR SUSSEX STREET & OSBORNE ROAD
MITCHELTON, QUEENSLAND

Sample ID & Depth (m)	BTEX				TPH				Pb Lead (mg/kg)
	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl- benzene (mg/kg)	Xylenes (mg/kg)	C ₈ -C ₉ (mg/kg)	C ₁₀ -C ₁₄ (mg/kg)	C ₁₅ -C ₂₈ (mg/kg)	C ₂₉ -C ₃₆ (mg/kg)	
S-4/1.5	nd	nd	nd	nd	nd	nd	nd	nd	9
QS-1	nd	nd	nd	nd	nd	nd	nd	nd	12
RPD%	0	0	0	0	0	0	0	0	28.57
S-13/3.0	nd	nd	nd	nd	nd	nd	nd	nd	10
QS-2	nd	nd	nd	nd	nd	nd	nd	nd	10
RPD%	0	0	0	0	0	0	0	0	0
S-38/3.5	nd	nd	nd	nd	nd	nd	nd	nd	6
QS-3	nd	nd	nd	nd	nd	nd	nd	nd	8
RPD%	0	0	0	0	0	0	0	0	28.57
S-40/0.5	nd	nd	nd	nd	nd	nd	nd	nd	28
QS-4	nd	nd	nd	nd	nd	nd	nd	nd	20
RPD%	0	0	0	0	0	0	0	0	33.33
Practical Quantitation Limit	0.5	0.5	0.5	1.5	20	20	50	100	3
<p style="text-align: center;">If PQL is <5 the acceptable RPD is 200%</p> <p style="text-align: center;">If PQL is > or = 5 the acceptable RPD is 50% (sandy soils)</p> <p style="text-align: center;">If PQL is > or = 5 the acceptable RPD is 75% (clayey soils)</p>									

Notes:

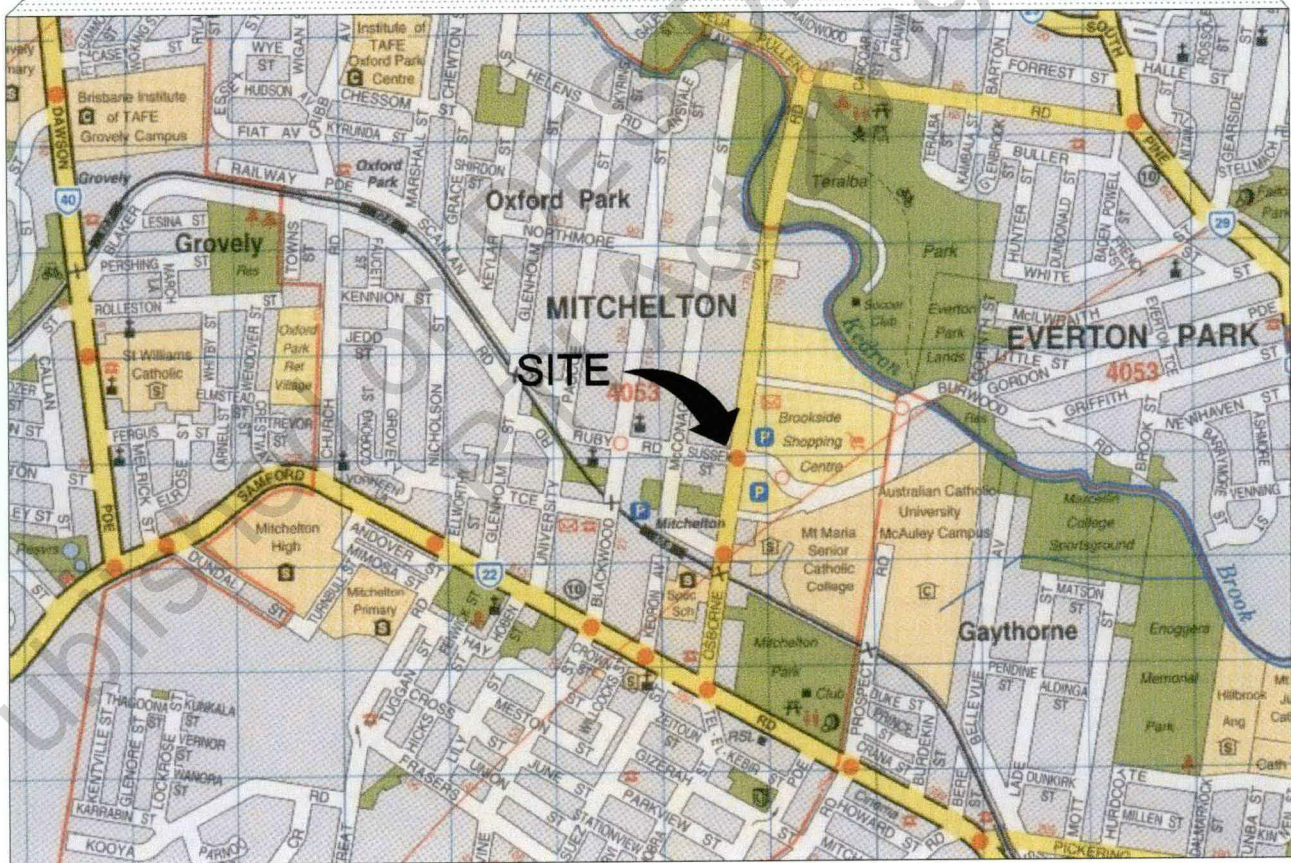
- Sample ID: S-###.##m denotes a discrete sample obtained from the soil surface of an excavation and QS-# denotes a duplicate quality assurance sample,
- "RPD" denotes Relative Percent Difference; and
- "nd" denotes concentrations not detected, for concentrations not detected a value of half of the Practical Quantitation Limit (PQL) was substituted for the calculation of RPD.

TABLE 7
ANALYTICAL SUMMARY – QA/QC SOIL SAMPLES (Metals & PAH)
CALTEX SERVICE STATION
CNR SUSSEX STREET & OSBORNE ROAD
MITCHELTON, QUEENSLAND

Sample ID & Depth (m)	Arsenic As (mg/kg)	Cadmium Cd (mg/kg)	Chromium Cr (mg/kg)	Copper Cu (mg/kg)	Nickel Ni (mg/kg)	Zinc Zn (mg/kg)	Lead Pb (mg/kg)	Total PAH (mg/kg)
S-40/0.5	4.9	nd	10	11	5	60	28	nd
QS-4	53	nd	18	10	6	47	20	nd
RPD%	166.15	0	57.14	9.52	18.18	24.3	33.33	0
PQL	3	1	3	3	3	3	3	0.1
<p style="text-align: center;">If PQL is <5 the acceptable RPD is 200%</p> <p style="text-align: center;">If PQL is > or = 5 the acceptable RPD is 50% (sandy soils)</p> <p style="text-align: center;">If PQL is > or = 5 the acceptable RPD is 75% (clayey soils)</p>								

Notes:

- Sample ID: S-###.##m denotes a sample obtained from the soil surface of an excavation and QS-# denotes a duplicate quality assurance sample,
- "RPD" denotes Relative Percent Difference; and
- "nd" denotes concentrations not detected, for concentrations not detected a value of half of the Practical Quantitation Limit (PQL) was substituted for the calculation of RPD.



Ref:

UBD BRISBANE STREET DIRECTORY
Including Gold and Sunshine Coasts
40th Edition, 1995
Top: Map 353
Scale: 1:1 200 000
Bottom: Map 136
Scale: 1:31 250 (approx)



OTek
AUSTRALIA PTY LTD

APPROXIMATE SCALE

REPORT REFERENCE

SITE DECOMMISSIONING

Caltex Australia Petroleum Pty Ltd
Mitchelton, QLD

DRAWN

sch4p4

DATE

22/4/99

CHECKED

sch4p4

DATE

25/5/99

JOB #

B99028

TITLE

REGIONAL MAP

FIG. #

1

McCONAGHY ROAD

Residential

Residential

Project Site
Lot 1 on RP123766
(1196m²)

OSBORNE ROAD

SUSSEX STREET

Residential

Brookside
Shopping
Centre



OTEK
AUSTRALIA PTY LTD

APPROXIMATE SCALE

1:1000

DRAWN
sch4p

DATE
22/4/99

REPORT REFERENCE

SITE DECOMMISSIONING

Caltex Australia Petroleum Pty Ltd
Mitchelton, QLD

CHECKED
sch4p4

DATE
25/5/99

JOB #
B99028

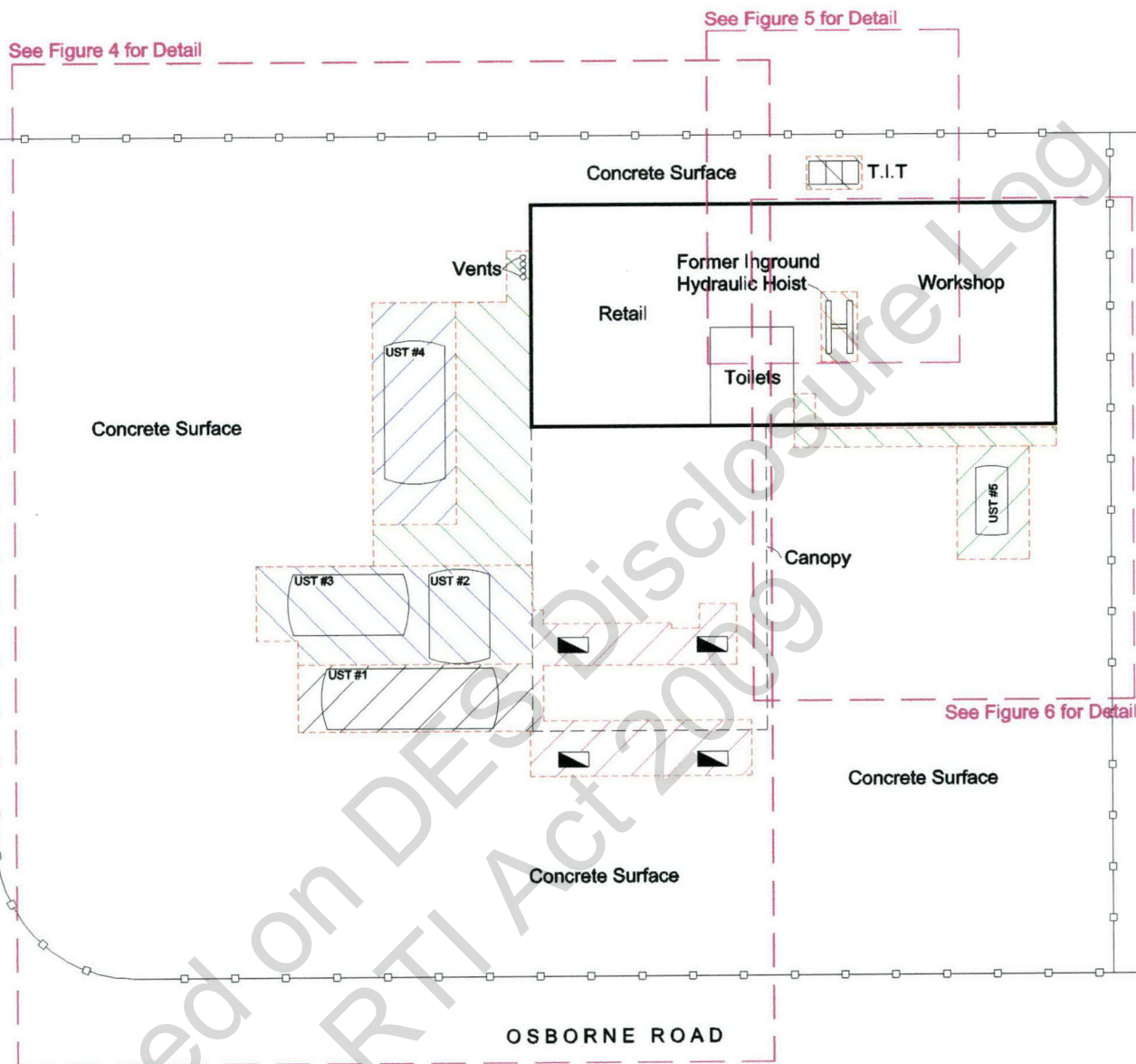
TITLE

VICINITY MAP

FIG. #

2

SUSSEX STREET



UST Details

UST #	Capacity (L)	Contents
1	22,000	ULP
2	10,000	Diesel
3	17,000	ULP
4	20,000	Leaded
5	2,000	Waste Oil

Legend

	Former Bowser Location		Excavation 2.5m depth
	Former UST Location		Excavation 3.5m depth
	Excavation 0.7m depth		Excavation 4.0m depth
	Excavation 1.0m depth		Excavation 4.5m depth
	Excavation 1.5m depth		Triple Interceptor Trap
	Excavation 2.0m depth		Excavation Boundary

OTEK
AUSTRALIA PTY LTD

APPROXIMATE SCALE
1:250

DRAWN sch4p DATE 22/4/99

TITLE

REPORT REFERENCE

SITE DECOMMISSIONING

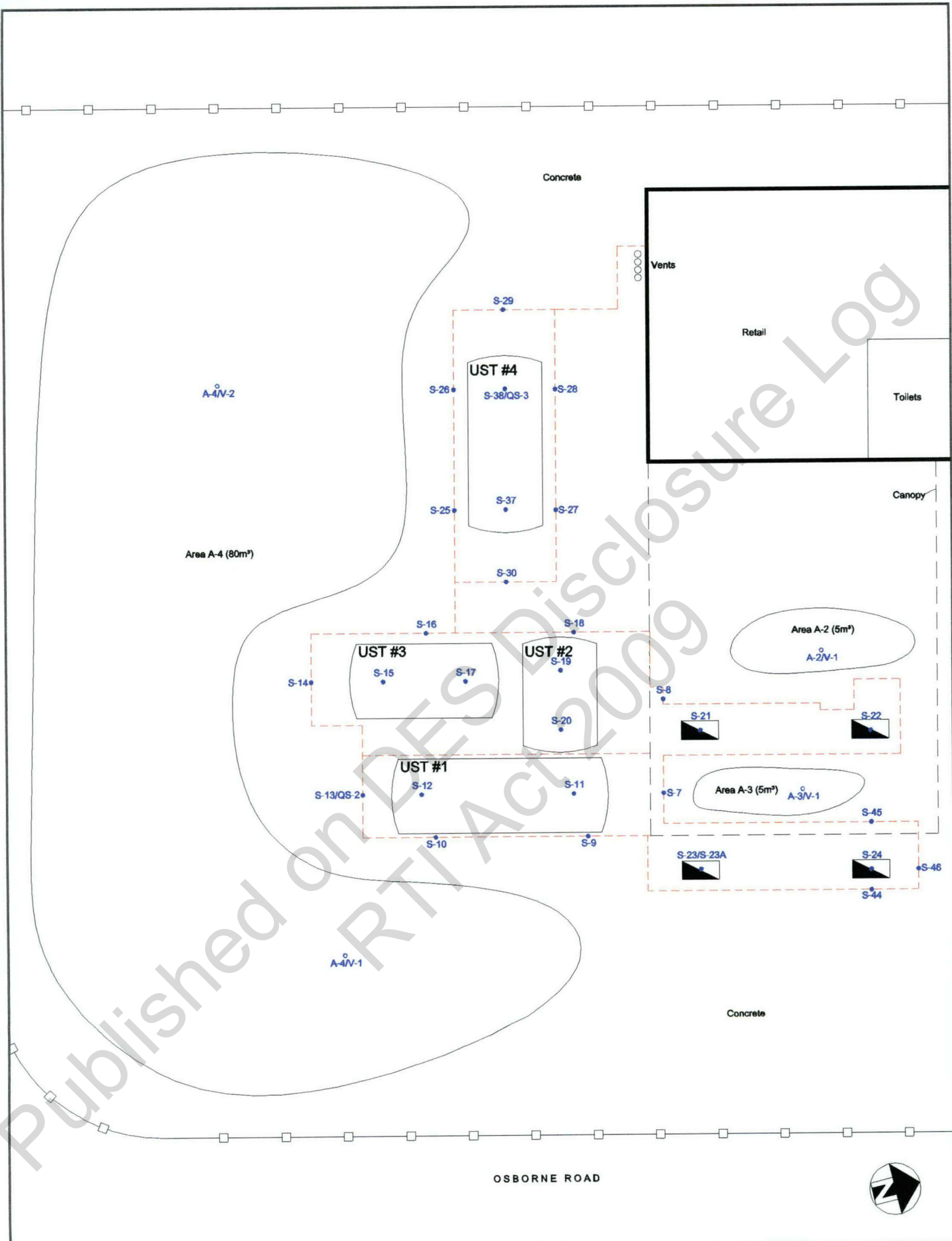
Caltex Australia Petroleum Pty Ltd
Mitchelton, QLD

CHECKED sch4p4 DATE 25/5/99 JOB # B99028

SITE MAP

FIG. #

3



Legend

- S-# Surface Soil Sample Location
- OA-#/V-# Soil Validation Sample Location
- ▭ Former UST Location
- ▭ Former Bowser Location
- Soil Stockpile Location
- - - Excavation Boundary

OTEK
AUSTRALIA PTY LTD

APPROXIMATE SCALE

1:150

DRAWN

sch4p4

DATE

22/4/99

REPORT REFERENCE

SITE DECOMMISSIONING

Caltex Australia Petroleum Pty Ltd
Mitchelton, QLD

CHECKED

sch4p4

DATE

25/5/99

JOB #

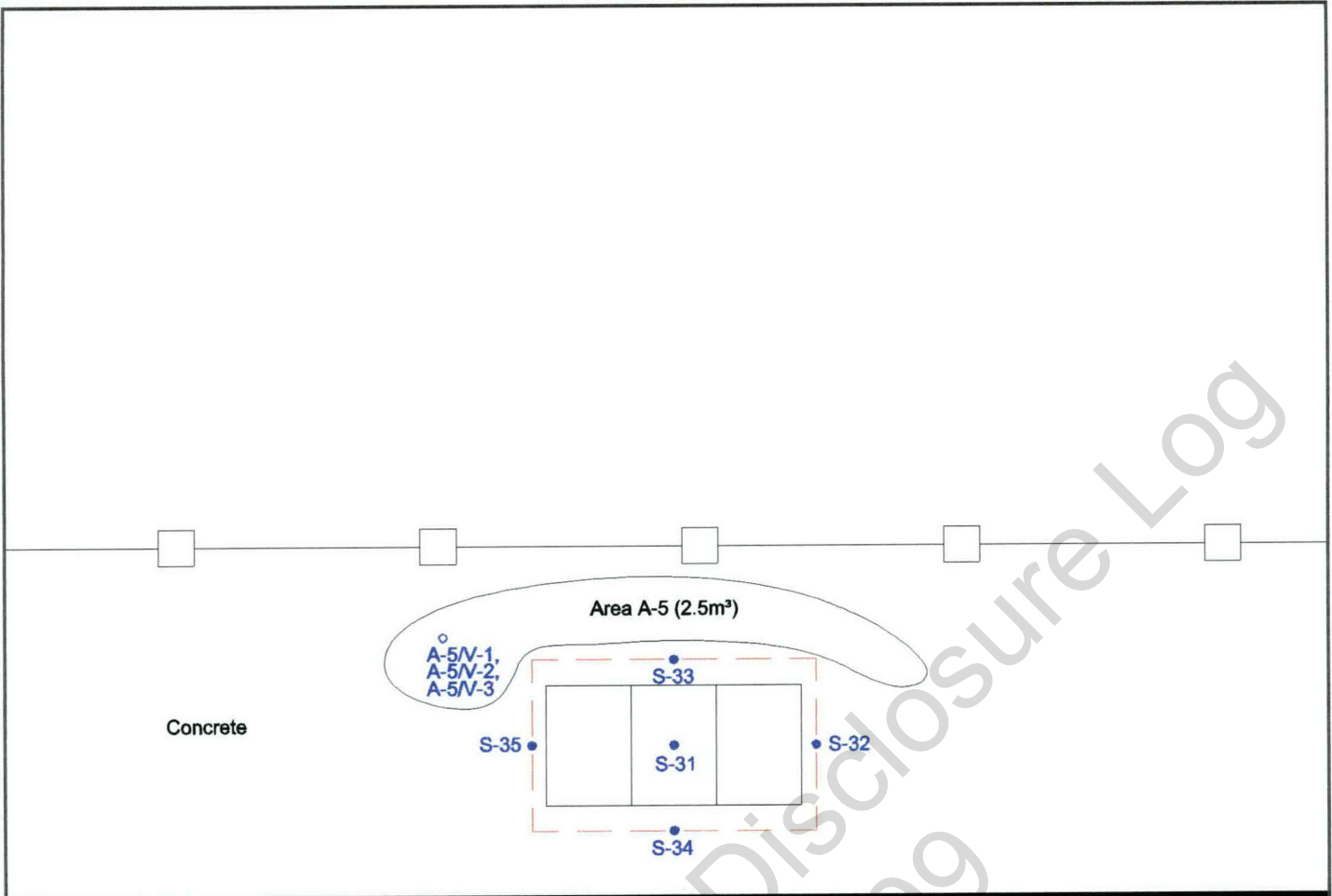
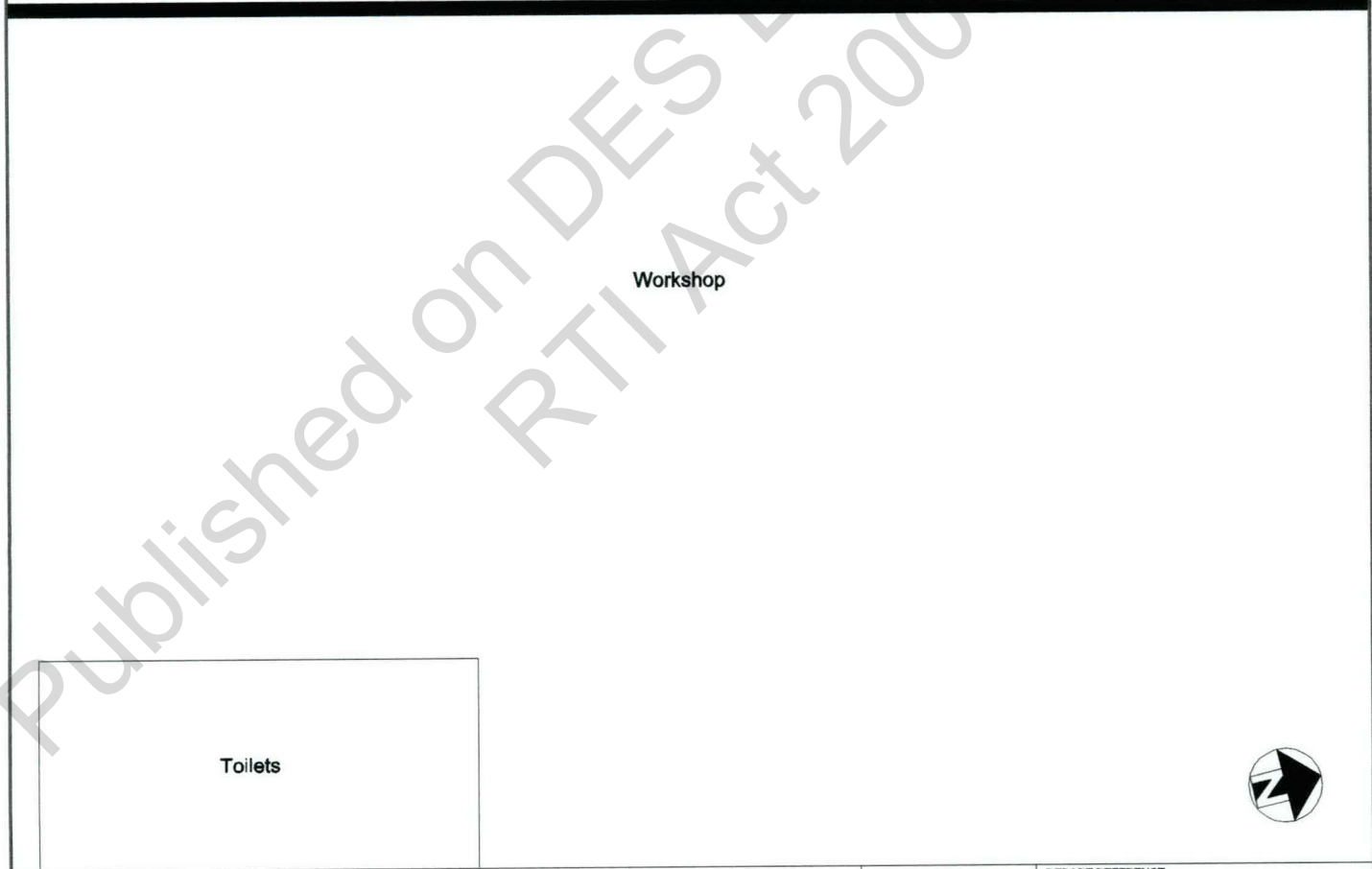
B99028

TITLE

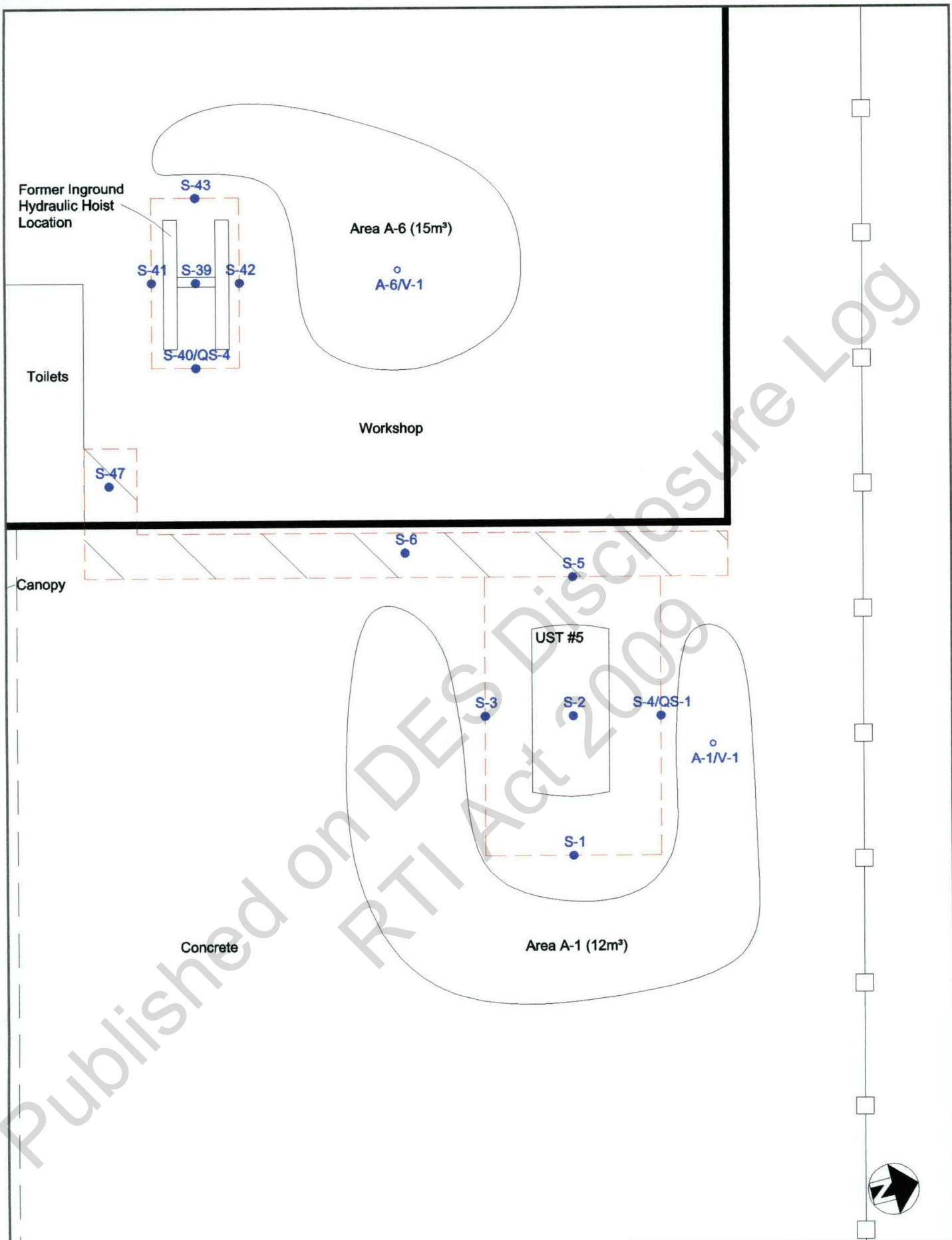
SOIL SAMPLING LOCATIONS -
UST AND BOWSER AREA

FIG. #

4



Legend ●S-# Surface Soil Sample Location ○A-#V-# Soil Validation Sample Location Former Triple Interceptor Trap Soil Stockpile Location Excavation Boundary		 APPROXIMATE SCALE 1:50		REPORT REFERENCE SITE DECOMMISSIONING Caltex Australia Petroleum Pty Ltd Mitchelton, QLD	
DRAWN	DATE	CHECKED	DATE	JOB #	
sch4p4	22/4/99	sch4p4	25/5/99	B99028	
TITLE SOIL SAMPLING LOCATIONS - TRIPLE INTERCEPTOR TRAP					FIG. # 5



Legend

- S-# Surface Soil Sample Location
- A-#/V-# Soil Validation Sample Location
- Soil Stockpile Location
- Excavation Boundary
- Former UST Location

OTek
AUSTRALIA PTY LTD

APPROXIMATE SCALE
1:75

DRAWN DATE
sch4p 22/4/99

TITLE

REPORT REFERENCE

SITE DECOMMISSIONING

Caltex Australia Petroleum Pty Ltd
Mitchelton, QLD

CHECKED DATE
sch4p 28/5/99

JOB #
B99028

SOIL SAMPLING LOCATIONS -
INGROUND HOIST & WASTE OIL TANK

FIG. #

6

XASSNS



File A

[illegible]

~~TOTAL Australia Limited~~
~~ENGINEERING DEPT.—SYDNEY~~

MITCHELTON - Cnr SUSSEX ST & OSBORNE
SITE SERVICE & PAVING PLAN

APPENDIX A
CURRENT AND HISTORICAL PROPERTY TITLES AND PLANS



CURRENT TITLE SEARCH

DEPT. OF NATURAL RESOURCES, QUEENSLAND

Request No: 631492
Search Date: 25/02/1999 12:54 pm

Title Reference: 14801093
Date Created: 23/08/1972

Previous Title: 12121206
14435151

REGISTERED OWNER

AMPOL PROPERTY (HOLDINGS) LIMITED

ESTATE AND LAND

Estate in Fee Simple

LOT 1 REGISTERED PLAN 123766
County of STANLEY Parish of ENOGGERA

EASEMENTS, ENCUMBRANCES AND INTERESTS

1. Rights and interests reserved to the Crown by
Deed of Grant No. 14435151 (POR 1127)
Deed of Grant No. 19503016 (POR 36)

ADMINISTRATIVE ADVICES - NIL
UNREGISTERED DEALINGS - NIL

CERTIFICATE OF TITLE ISSUED - Yes

Certificate No. 1

** End of Current Title Search **

Requested By: External Token

A 131458

(C)

Dealing No. D900032

Reference to previous

Volume Folio

2121 206
4435 151

QUEENSLAND



CERTIFICATE OF TITLE

REGISTER BOOK

VOL. 4801 FOLIO 93

VOL: 4801 FOLIO: 93



14801093

TOTAL AUSTRALIA LIMITED

is now seized

of an Estate in Fee-simple, subject nevertheless to such encumbrances, liens, and interests as are by memorandum notified hereon, in All that piece of Land situated in the County of Stanley Parish of Enoggera City of Brisbane Containing 1 rood 7.3 perches

more or less, as shown on the Plan hereon, and therein edged red, Being Lot 1 on registered Plan No. 123766

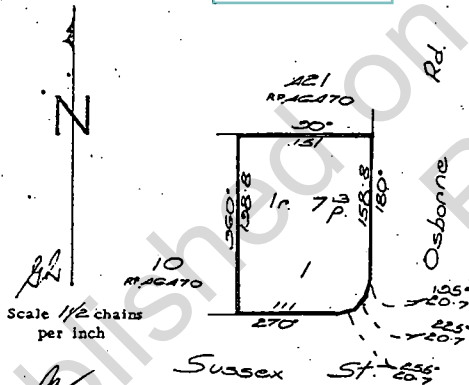
SAVING ALWAYS to the Crown all the rights and interests reserved to it by the original Deeds of Grant No. 57/16 for portion 36 and Volume 4435 Folio 151 for portion 1127

IN WITNESS whereof, I have hereunto signed my name and affixed my seal, this 23rd day of August One thousand nine hundred and seventy two

Signed, Sealed, and Delivered)
in presence sch4p4(6) Person)

sch4p4(6) Personal inform

REGISTRAR OF TITLES sch4p4



Ampol Property (Holdings) Limited

now registered proprietors in fee simple

REQUEST TO CHANGE NAME No. K4429.13.J

PRODUCED 25 Oct 1990

REGISTERED 15 JAN 1991

Richard REGISTRAR OF TITLES



Deed of Grant of Land

Land Act 1962-1968

PURCHASE

VOL: 4435 FOLIO: 151



14435151

CANCELLED

Acquired by

Elizabeth the Second, by the Grace of God, of the United Kingdom, Australia, and Her other Realms and Territories, Queen, Head of the Commonwealth, Defender of the Faith:—

To all to whom these Presents shall come, Greeting:

Whereas in conformity with the Laws and Regulations in force for the alienation of Crown Land in our State of Queensland,
TOTAL AUSTRALIA LIMITED

has become entitled to a Deed of Grant in Fee-simple of the Land hereinafter described:

NOW KNOW YE, in consideration of the premises and of the sum of ONE THOUSAND SIX HUNDRED DOLLARS
The Queensland Housing Commission
for Us, and on Our behalf, paid into the Office in Brisbane of the Department of Lands or of any District Land Office of Our said State, and in further consideration of the Quit-Rent hereinafter reserved, WE, with the advice of The Executive Council of Our said State, have granted, and for Us, Our Heirs and Successors, do hereby Grant unto the said
TOTAL AUSTRALIA LIMITED, its Successors

and Assigns, subject to the Reservations hereinafter mentioned,

All That Parcel of Land in Our State, containing by admeasurement TWENTY-THREE AND SEVEN-TENTHS PERCHES

be the same more or less, situated in the County of STANLEY Parish of ENOGGERA: PORTION ONE THOUSAND ONE HUNDRED AND TWENTY-SEVEN. Being the land comprised in former Worker's Home Perpetual Lease No. 396.

as delineated on plan of Survey catalogue No. S1.6101 deposited in the Survey Office and as shown edged red on diagram hereon

with all the Rights and Appurtenances whatsoever thereto belonging,

To Hold unto the said TOTAL AUSTRALIA LIMITED, its Successors

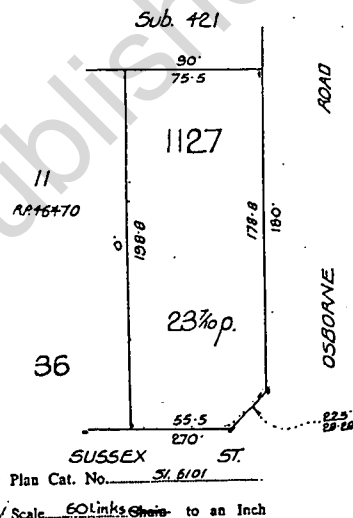
and Assigns for ever, Yielding and Paying therefor Yearly unto Us, Our Heirs and Successors, the Quit-Rent of One Peppercorn for ever, if demanded: But Subject Nevertheless to the several Conditions and Reservations contained in and declared by the Land Act, 1962-1968, "The Mining on Private Land Acts, 1909 to 1965," and "The Petroleum Acts, 1923 to 1967": AND WE do hereby reserve unto Us, Our Heirs and Successors, all Gold and Minerals (the term "Minerals" to have the same meaning as in "The Mining on Private Land Acts, 1909 to 1965"), on and below the surface of the said Land, and all Mines of Gold and Minerals, on and below the surface of the said Land: AND WE do hereby also reserve unto Us, Our Heirs and Successors, and to such persons as shall from time to time be duly authorised by Us in that behalf, the free right and privilege of access, including ingress, egress, and regress, into, upon, over, and out of the said Land, for the purpose of searching for or working Gold and Minerals, or any of them, or Mines of Gold and Minerals, or any of them, in any part of the said Land: AND WE do hereby also reserve unto Us, Our Heirs and Successors, all Petroleum (the term "Petroleum" to have the same meaning as in "The Petroleum Acts, 1923 to 1967"), on or below the surface of the said Land: AND also all rights of access for the purpose of searching for, and for the operations of obtaining Petroleum in any part of the said Land: AND also all rights of way for access and for pipe lines and other purposes requisite for obtaining and conveying Petroleum in the event of Petroleum being obtained in any part of the said Land: AND WE do also further reserve unto Us, Our Heirs and Successors, All Helium found in association with Petroleum in any part of the said Land: IN Testimony Whereof We have caused this Our Grant to be Sealed with the Seal of Our said State.

WITNESS Our Trusty and Well-beloved His Excellency the Honourable SIR ALAN JAMES MANSFIELD, Knight Commander of Our Most Distinguished Order of Saint Michael and Saint George, Governor in and over Our State of Queensland and its Dependencies in the Commonwealth of Australia, at Government House, Brisbane, in Queensland aforesaid, this sixteenth day of April in the nineteenth year of Our Reign, and in the year of Our Lord One thousand nine hundred and seventy.

ENTERED as Suburban Land in the Register Book, Vol. 363, Folio 106, in the Survey Office, Brisbane, this twenty-second day of April, 1970.

sch4p4(6) Per

SURVEYOR-GENERAL.



1 4435 151

ENTERED in the Register Book, Vol. 4435 Folio 151 this 5th day of May 70

pl 123 766
1071

sch4p4(6) Personal in

REGISTRAR



No. 0900032 By Plan Cat. No. 123766
the within land is subdivided into Part 1
and
3/10 perches has been
dedicated for road purposes. The report
of 9 June Registered 27 July 1972
Reference to New Title sch4p4(6) Personal
Vol.: 4801
Fol.: 93
REGISTRAR OF TITLES

FULLY CANCELLED

FULLY CANCELLED

VOL. S 2121 FOL. 206



(C)

QUEENSLAND



No. 406966

REFERENCE TO PREVIOUS

VOL. 1774 FOLIO 173

REGISTER BOOK, VOL. 2121 FOLIO 206

BRISBANE CITY COUNCIL

Pursuant to an Application _____ under the provisions of Section 27 of "The Local Government Act of 1936" No. A418531 _____ produced the twentyeighth day of August 1939, registered the twentyninth day of March 1940 is now seized _____ of an Estate in Fee-simple, subject nevertheless to such encumbrances, liens, and interests as are by memorandum notified hereon, in all that piece of Land situated in the County of Stanley Parish of Enoggera City of Brisbane _____

containing twentyfour perches

more or less, as shown on the Plan hereon, and therein edged red, Being resubdivision 11 of subdivisions 422 to 425 of Portion 36 on plan Cat. No. 46470 deposited in the Office of the Registrar of Titles
Brisbane _____

which said piece of Land is part of the portion marked 36 delineated in the Public Map of the said parish deposited in the Office of the Surveyor-General, originally granted by Deed of Grant No. 57/16 to Nicholas Mitchell

Saving Always to the Crown all the rights and interests reserved to it by the said Deed of Grant.

sch4p4

IN WITNESS whereof, I have hereunto signed my name and affixed my seal, this thirtieth day of August 2024. One thousand nine hundred and forty

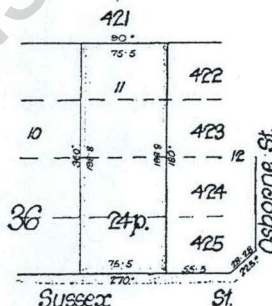
Signed, Sealed, and Delibered, the ~~thirtieth~~
day of August 1940, in presence of

sch4p4(6) Personal information

Parish of Enoggera

sch4p4(6) Personal information

DEPUTY REGISTRAR OF TITLES.



PURSUANT to Memo. of TRANSFER No. A776850 produced
16 Mar 1948, 9:0 a 24 Mar 1948
 sch4p4(6) Personal information

Now SEISED of an Estate IN FEE
SIMPLE in the WHOLE of the within Land

sch4p4(6) Personal infor

REGISTRAR OF TITLES

Scale, 1 chain per inch.

PURSUANT to Memo. of TRANSFER No 1824007 produced
24 Dec 1948 at 9.40 a.m. registered 10 Mar 1949
 sch4p4(6) Personal information

now SEISED of an Estate IN FEE
 SIMPLE in the WHOLE of the within Land

sch4p4(6) Personal information



REGISTRAR OF TITLES

PURSUANT to Memo. of TRANSFER No 1937027 produced
30 May 1950 at 12.21 p.m. registered 31 Aug 1950
 sch4p4(6) Personal information

sch4p4(6) P are now SEISED of an Estate IN FEE
 SIMPLE in the WHOLE of the within Land as former tenants

sch4p4(6) Personal information



REGISTRAR OF TITLES

No 1937028 BILL OF MORTGAGE produced 30 May 1950
12.21 p.m. registered 31 Aug 1950
 sch4p4(6) Personal information

RELEASE No 1937028 Bill of Mortgage produced on 30 May 1950
 endorsed on 30 May 1950 registered 31 Aug 1950
 sch4p4(6) Personal information



REGISTRAR OF TITLES

No 6641721 Bill of Mortgage produced 29 Apr 1959
9.0 a.m. registered 6 Apr 1959
 sch4p4(6) Personal information

to Bank of New South Wales & Kings Bank Limited
 to secure the payment of the mortgage and interest therein referred to.

sch4p4(6) Personal information



REGISTRAR OF TITLES

Wah Australia Limited
 now selsed of an Estate in fee-simple in the within land.
 Transfer No 2615010 Produced 7 Dec 1962 at 2.25 p.m.
 Registered 1963
 sch4p4(6) Personal information



REGISTRAR OF TITLES

No D9000002 By Plan Cat. No. 102766
 the within land is subdivided into Rate 1
 Produced 2 July 1970 at 9.26 a.m.
 Registered 27 July 1970
 Reference to New Title Vol. 4801 Fol. 93
 sch4p4(6) Personal information



REGISTRAR OF TITLES

FULLY CANCELLED

Certificate of Title.

VOL. 5 1774 FOL. 173



11774173

331183

No.

(C)

QUEENSLAND.



REFERENCE TO PREVIOUS

VOL. 1627 FOLIO 49

REGISTER BOOK, VOL. 1774 FOLIO 173

REALTY DEVELOPMENT COMPANY LIMITED

of _____ pursuant to Memorandum of Conveyance No. A86998 _____ produced the nineteenth _____ day of April _____ 19 29, registered the seventeenth _____ day of May _____ 19 29, is now seized _____ of an Estate in Fee-simple, subject nevertheless to such encumbrances, liens, and interests as are by memorandum notified hereon, in all that piece of Land situated in the County of Stanley _____ Parish of Enoggera _____ City of Brisbane _____

containing two acres three roods three perches and four tenths of a perch

more or less, as shown on the Plan hereon, and therein edged red, Being subdivisions 342, 344, 345, 416, 418, 419 and 421 and resubdivisions 2 to 16 of subdivisions 338 to 341, 343, 346, 417, 420 and 422 to 425 of portion 36 on plan Cat. No. 46470 deposited in the Office of the Registrar of Titles _____ Brisbane _____

which said piece of Land is part _____ of the portion _____ marked 36 _____ delineated in the Public Map of the said parish _____ deposited in the Office of the Surveyor-General, originally granted by Deed of Grant No. 57/16 _____ to _____ Nicholas Mitchell _____

Saving Always to the Crown all the rights and interests reserved to it by the said Deed of Grant.

In WITNESS whereof, I have hereunto signed my name and affixed my seal, this _____ day of _____ One thousand nine hundred and twenty nine _____

Signeh, Stated, and Belivered, the _____

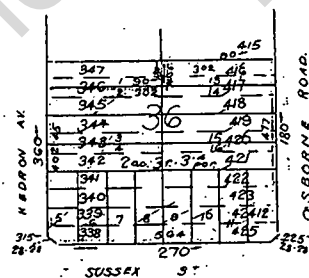
day of _____ 19 29, in presence of _____

sch4p4(6) Personal info

sch4p4(6) Personal informati



Parish of Enoggera.



REGISTRAR OF TITLES.

No. 94-222 Bill of Mortgage produced 1929 at 11.56 a.m. registered 1929 from sch4p4(6) Personal information The Bill of Mortgage is to secure the payment of monies and interest thereon referred to. sch4p4(6) P

RELEASED in full of the Bill of Mortgage No. 94-222 registered 1929 at 11.56 a.m.

REGISTRAR OF TITLES.

Scale, 3 chains per inch.

N^o 78708. Transfer to Prudential Life Insurance Co. of New York (incorporated in New York) of the within Land. Produced 24 Jan 1929 at 11.24 a.m. Registered 17 May 1929. Consent of Mortgagee. sch4p4(6) Personal info



REGISTRAR OF TITLES.

PURSUANT to Memo. of TRANSFER No. 88516 produced 8 May 1929 at 12.51 p.m., registered 16 July 1929. His Sovereign Majesty King George the Fifth is now SEISED of an Estate IN FEE-SIMPLE in the WHOLE of the within Land. Free from Mortgage. sch4p4(6) Personal info



REGISTRAR OF TITLES.

PURSUANT to Memo. of TRANSFER No. 891521 produced 6 June 1929 at 3.52 p.m., registered 16 July 1929. His Sovereign Majesty King George the Fifth is now SEISED of an Estate IN FEE-SIMPLE in the WHOLE of the within Land. Free from Mortgage. sch4p4(6) Personal info



REGISTRAR OF TITLES.

PURSUANT to Memo. of TRANSFER No. 891524 produced 6 June 1929 at 3.52 p.m., registered 16 July 1929. His Sovereign Majesty King George the Fifth is now SEISED of an Estate IN FEE-SIMPLE in the WHOLE of the within Land. Free from Mortgage. sch4p4(6) Personal info



REGISTRAR OF TITLES.

PURSUANT to Memo. of TRANSFER No. 891526 produced 6 June 1929 at 3.52 p.m., registered 16 July 1929. His Sovereign Majesty King George the Fifth is now SEISED of an Estate IN FEE-SIMPLE in the WHOLE of the within Land. Free from Mortgage. sch4p4(6) Personal info



REGISTRAR OF TITLES.

PURSUANT to Memo. of TRANSFER No. 892038 produced 11 June 1929 at 3.58 p.m., registered 16 July 1929. His Sovereign Majesty King George the Fifth is now SEISED of an Estate IN FEE-SIMPLE in the WHOLE of the within Land. Free from Mortgage. sch4p4(6) Personal info



REGISTRAR OF TITLES.

PURSUANT to Memo. of TRANSFER No. 298423 produced 12 Aug 1929 at 3.35 p.m., registered 21 Aug 1929. His Sovereign Majesty King George the Fifth is now SEISED of an Estate IN FEE-SIMPLE in the WHOLE of the within Land. Alleged to be a mortgage No 78708. sch4p4(6) Personal info



REGISTRAR OF TITLES.

PURSUANT to Memo. of TRANSFER No. 8107927 produced 16 Nov 1929 at 9.30 a.m., registered 22 Nov 1929. His Sovereign Majesty King George the Fifth is now SEISED of an Estate IN FEE-SIMPLE in the WHOLE of the within Land. sch4p4(6) Personal info



REGISTRAR OF TITLES.

PURSUANT to Memo. of TRANSFER No. 8107928 produced 16 Nov 1929 at 9.30 a.m., registered 22 Nov 1929. His Sovereign Majesty King George the Fifth is now SEISED of an Estate IN FEE-SIMPLE in the WHOLE of the within Land. sch4p4(6) Personal info



REGISTRAR OF TITLES.

PURSUANT to Memo. of TRANSFER No. 8108213 produced 21 Nov 1929 at 10.28 a.m., registered 5 Dec 1929. His Sovereign Majesty King George the Fifth is now SEISED of an Estate IN FEE-SIMPLE in the WHOLE of the within Land. Subject to mortgage No 78708 as to 1/10 part thereof. sch4p4(6) Personal info



REGISTRAR OF TITLES.

PURSUANT to Memo. of TRANSFER No. 8108750 produced 26 Nov 1929 at 11.15 a.m., registered 5 Dec 1929. His Sovereign Majesty King George the Fifth is now SEISED of an Estate IN FEE-SIMPLE in the WHOLE of the within Land. Subject to mortgage No 78708 as to 1/10 part thereof. sch4p4(6) Personal info



REGISTRAR OF TITLES.

Annexed to 6/7 331183 Vol 1774 Fol 173 this 9 day of January 1930 for the purpose of recording memorials

sch4p4(6) Personal informat



Registrar of Titles

PURSUANT to Memorials TRANSFER No. 1111479 produced
23 Dec 1929 at 12.34 p.m. registered 9 Jan 1930
His Majesty King George the Fifth
is now SEISED of an Estate IN FEE-SIMPLE in the WHOLE
and Res 2 of sub 346
of the within Land.
Subject to Encumbrance No. A 75708
sch4p4(6) Personal
REGISTRAR OF TITLES

11/22/29
no. 8

Trif
Hess

2.1.6

all 11/4
11/18/31
10.7.11

No. 1129214 TRANSFER of 237/10 pchs Res 5
to Reginald James Ballen
Produced
7 Aug 1930 at 11.00 a.m. registered 19 Aug 1930
Cancelled as above vide Vol. 1814 Fol. 182
sch4p4(6) Personal inform
REGISTRAR OF TITLES

Plan
D 900032
123766
L1

No. 1305803 TRANSFER of 24 pchs Res 6
to Robert Charles Augustus
Produced
28 Aug 1930 at 3.16 p.m. registered 7 Sept 1930
Cancelled as above vide Vol. 1972 Fol. 2
sch4p4(6) Personal i
REGISTRAR OF TITLES

No. 14118531 PURSUANT to an Application made to the
Registrar of Titles the Local Government of the City of
28 Aug 1929 at 9.35 a.m. registered 29 Mar 1940
Brisbane City Council
is now SEISED of an Estate in Fee Simple in 118 pchs, Res 6
7 of sub 338 6341 and Res 11 of sub 2 of the within Land.
Cancelled as above vide Vol. 2171 Fol. 205/1206
sch4p4(6) Personal information
REGISTRAR OF TITLES

FULLY CANCELLED

Drawing of Plan must be restricted to the space inside the blue lines

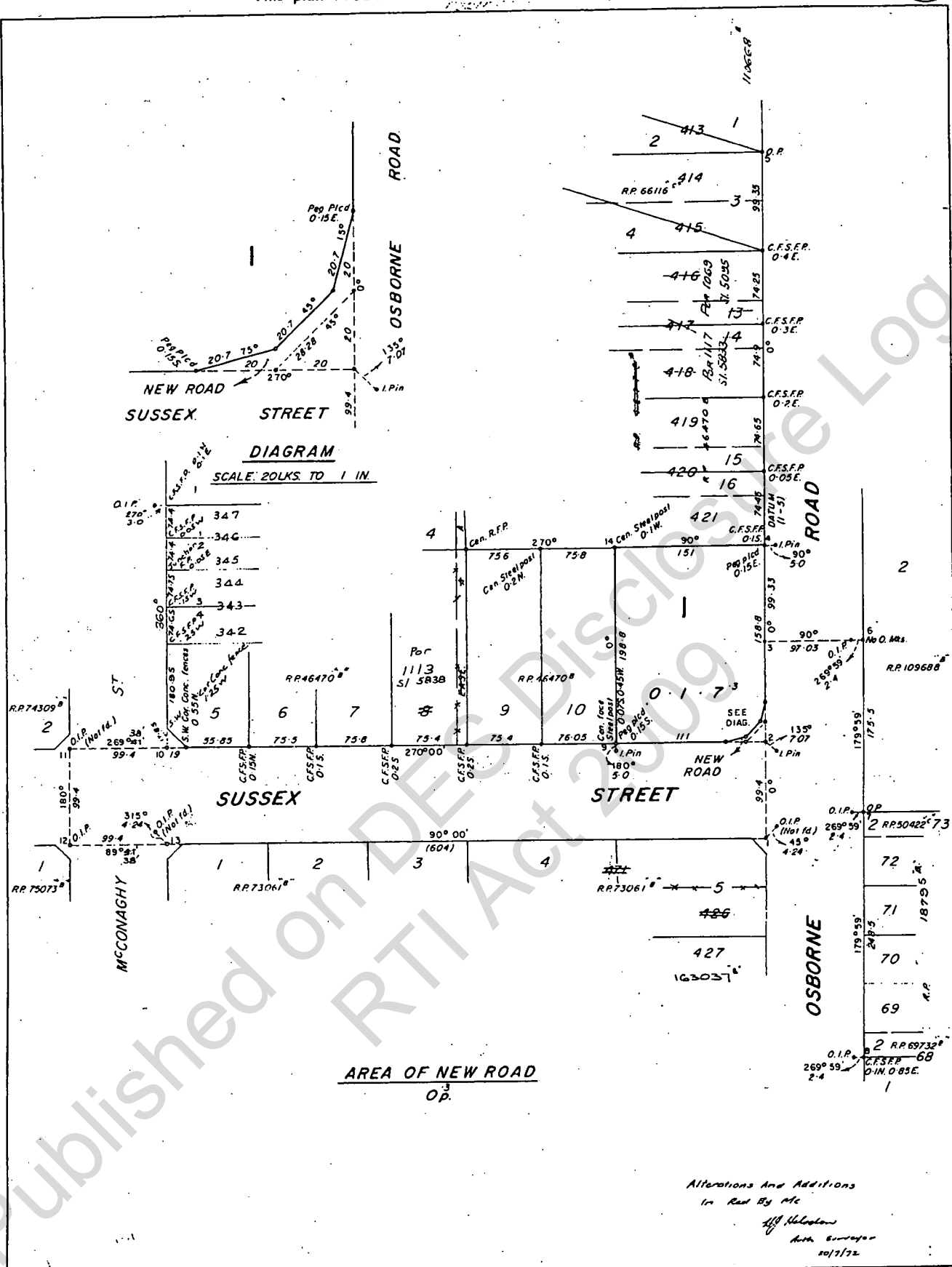
No 8566

992861

123766

Drawing of Plan must be restricted to the space inside the blue lines

123766



Lots 1

Orig. Portion 36 & 1127

Orig. Grant 57/16 (For 36) & 4435 For 151 (For 1127)

Cancelling ~~Reverts 11 and 12 to R.P. 46470~~

Town of City of Brisbane

Parish of Enoggera County of Stanley

Surveyed by H.J. Helston A.S. 3/10/1969

CROWN COPYRIGHT RESERVED
REGISTRAR OF TITLES, QUEENSLAND

REGISTERED PLAN 123766

- FOR SURVEYOR'S USE ONLY -

I, Hubert John Healdson of Brisbane
 Authorised Surveyor, do hereby solemnly and sincerely declare that I have faithfully and truly surveyed,
 measured and marked on the ground the parcel of land herein referred to, and that the measurements
 and boundaries given in this plan are correct, and do not to the best of my belief in any way interfere
 with the rights or property of any persons, owners or occupiers of the land adjoining the above land,
 and described in the said plan; and I make this solemn declaration conscientiously believing the same to
 be true, and by virtue of the provisions of the Oaths Acts, 1867-1960"

sch4p4(6) Personal info

✓ Authorised Surveyor

Made and Signed at Brisbane this 6th day of April
 1969 before me.

sch4p4(6) Personal

Signature of Registrar of Titles or of a Magistrate. J.P.

[illegible]

17/1/77 TOTAL AUSTRALIA LIMITED
(Names in full)
of this land, agree to this Plan of subdivision, and dedicate the new roads shown hereon to public use.

Signature of THE COMMON SEAL of TOTAL
Proprietor/s AUSTRALIA LIMITED was
hereunto affixed by the
authority of a resolution
of the Board of Directors
and in the presence of:

Handwritten signature Director
Handwritten signature Director
Handwritten signature Secretary

- FOR SURVEYOR'S USE ONLY -
 SURVEY OF LAL 1
 County of Stanley Parish of Enoggera
 Town of City of Brisbane To the Depth of
 Cancelling Results 11 and 12 on R.P. 46470
& for 1127 on S.O. Plan S. 6101
 Orig. Grant 57/16 (Pec. 35) Orig. Portion 36 & 1127
Vol. 1433 Fol. 131 (Pec. 1127)

- FOR OFFICE USE ONLY -

Previous Title C.T. 2121-206 Resub 11 RPASAT
DG 4435-151 For 1127

CT's	Lots	New Rd.
CT. 2121-206	1	Nil.
D.G. 4435-151	1	0.3

[illegible]

For Additional Plan &
Document Notings
Refer to CISP

PAID
SHORT
\$5-00
21-3-72

Vol. _____

REV. TITLE _____

Vol. _____

RECEIVED
REG. OF TITLES
JUN 2 9 35 AM '77

sch.

12.00
 26.00
 9.00
 1.00 memo 14/8/72 H.H.
55.00 270084
 \$15.00 270084
 22566
 494

23006D

Particulars entered in Register Book
Vol. 921 Folio 286
4835 157

the 27 day of July 1972 at 9.54a

sch4p4(6) Person



Lodged by: :

NEIL O'SULLIVAN & ROWELL,
SOLICITORS,
COLONIAL MUTUAL BUILDING,
289 QUEEN STREET,
BRISBANE. 4000
Telephone 31-2151

REGISTERED PLAN 123766

THE INFORMATION CONTAINED IN THIS REPORT INCORPORATES
INFORMATION OBTAINED FROM SOURCES OUTSIDE THIS DEPARTMENT.
WHILST EVERY EFFORT IS MADE TO VERIFY THE ACCURACY OF SUCH
INFORMATION THE DEPARTMENT IS UNABLE TO GUARANTEE SUCH
INFORMATION.

LA/Div : 016 BCC - ENOGERA
Valn No : 6213/00000

Property Address : 1 SUSSEX ST, MITCHELTON, 4053
Frontage : 0.00 metres

Depth : 0.00 metres

Owners : AMPOL PROPERTY (HOLDINGS) LTD

Tenants in Common : N
Exempt from Rating : N

Service Address : P.O BOX 1451,
TOOWONG, QLD, AUSTRALIA, 4066

RPD : L1/RP123766:PAR ENOGERA

Tenure : FH FREEHOLD
Area : 1196M2

Rental Value Required : N

Valuation Information-:

Date of Effect	Date of Valn.	Unimproved Value	Sect Code	Date of Issue
30/06/98	01/10/97	\$ 180,000	28	09/03/98
30/06/99	01/10/98	Not Issued	28	08/03/99

Land Use Information-:

L/Use Type : S	L/Use Code : 00	SECONDARY LAND USE ONLY
L/Use Type : AV	L/Use Code : 30	SERVICE STATION
L/Use Type : P	L/Use Code : 30	SERVICE STATION

Number of Lots : 1 Business Indicator : Y

Property Type : U URBAN
Issuing Status : I ISSUING
Services : WS WATER & SEWERAGE
Zoning : 01 RESIDENTIAL A

Map Nos : 0534000000

Continued on next page

THE INFORMATION CONTAINED IN THIS REPORT INCORPORATES
INFORMATION OBTAINED FROM SOURCES OUTSIDE THIS DEPARTMENT.
WHILST EVERY EFFORT IS MADE TO VERIFY THE ACCURACY OF SUCH
INFORMATION THE DEPARTMENT IS UNABLE TO GUARANTEE SUCH
INFORMATION.

SMA : 4

Financial Div : 0
Benefitted Area ID :

Cancelled Property : N

END OF REPORT

-----00000000-----



STANDARD MAP NUMBER
14-23-12124

WINDOW POSITION

36°W
14°E

WEST LOCALITY

18-056

SUBJECT PARCEL DESCRIPTION

DCDB
Lot/Plan
Area
Tenure
Local Government
Locality
Parish
County
ParcelSegment

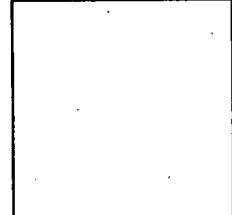
1/RP123766
1196m²
FREEHOLD
BRISBANE
MITCHELTON
ENOGGERA
STANLEY
13/27202

CLIENT SERVICE STANDARDS

PRINTED (yymmdd) 1999/2/25
(Important Notice: The Information
hereon is NOT an OFFICIAL RECORD and
its ACCURACY is NOT GUARANTEED)
DCDB
1099/2/14
For symbology see the BLIN Abbreviations
Sheet.

File A

LEGEND



BLINMAP

An External Product of the
Basic Land Information Network
Based upon an extraction from the
Digital Cadastral Data Base



NATURAL
RESOURCES

(c) The State of Queensland,
Department of Natural Resources, 1999

Rel

**APPENDIX B
PHOTOGRAPH LOG**

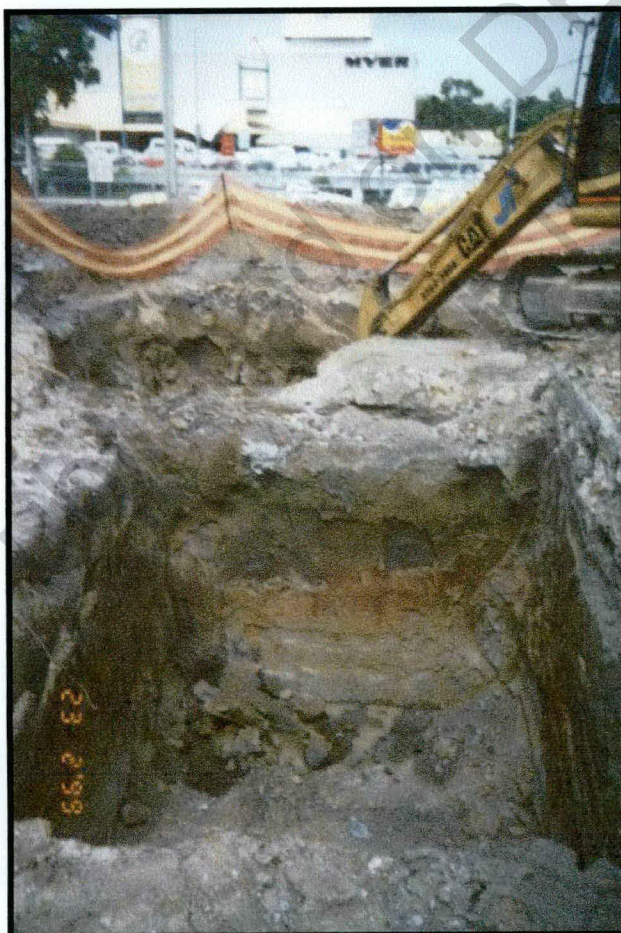
PHOTOGRAPH LOG
APPENDIX B

Date	Photograph #	Description
23/02/99	1	A view to the east over the UST excavations. Brookside Shopping Centre can be seen in the background of the photograph.
23/02/99	2	Looking south over the bowser area excavations. Stockpiled soil Areas A-2 and A-3 can be seen. The excavator is working on the UST excavations in the rear of the photograph.
23/02/99	3	The Triple Interceptor Trap excavation can be seen. The photograph is viewed to the south. The small shed attached to the rear wall of the service station (seen in the background of the photograph) houses the compressor used to run cold storage.
22/02/99	4	The waste oil UST excavation features in this photograph. Water which had collected in the bottom of the excavation was due to passing showers experienced that day. The photograph is viewed to the west.
13/02/99	5	The photograph was taken inside the workshop facing south-west. Stockpile A-6 and the associated inground hydraulic hoist excavation can be seen.

2



1



4



3

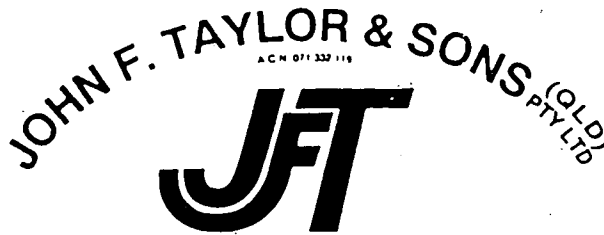


5



APPENDIX C
UST DISPOSAL RECEIPTS AND GAS FREE CERTIFICATES

388 Kingsford Smith Drive
Ileandah, Qld. 4008



BRISBANE Ph: (07) 3260 1406
Fax: (07) 3260 1408

**PETROLEUM & ENVIRONMENTAL
SERVICES**

CERTIFICATE OF TANK DESTRUCTION

Site Location:

AMPOL
BRICK SIDE

Number of Tanks Received from Site:

Sizes and Reference Numbers:

	KI	No
1)	<u>20</u>	<u>1</u>
2)	<u>10</u>	<u>1</u>
3)	<u>11</u>	<u>1</u>
4)	<u>22</u>	<u>1</u>
5)	<u>2</u>	<u>1</u>
6)		

Project Manager:

sch4p4(6) Personal information

Company Name:

JFT (OLD)

Date(s) Delivered

1)	<u>22.2</u>	2)	<u>22.2</u>
3)	<u>22.2</u>	4)	<u>22.2</u>
5)	<u>22.2</u>	6)	

I hereby certify that destruction of all tanks from the site specified above was completed in full by the 24.2.99 (date) in accordance with the Specification for the destruction of Steel Underground Storage Tanks:

Name:

sch4p4(6) Personal information

Company Officer

Signed:

Company Officer

For:

John F Taylor & Sons

1388 Kingsford Smith Drive
Meeandah, Qld. 4008
26 Bosci Road,
Ingleburn, NSW 2565



BRISBANE Ph: (07) 3260 1406
Fax: (07) 3260 1408
SYDNEY Ph: (02) 9618 0155
Fax: (02) 9618 0244

**PETROLEUM & ENVIRONMENTAL
SERVICES**

GAS FREE CERTIFICATE

No: A 11022

- Notes: 1. Gas-Free does not mean Lead-Free
2. This Certificate does not authorise any hot work or confined space entry which are subject to separate Permits.
3. This Certificate is valid as time of issue or at time of re-endorsement as authorised.

Original: Remains with Job
1st Copy: Invoice Customer
2nd Copy: Book Copy

GAS TESTING:

Meter (Make/Model): MINICAS 4
Serial No.: 11608108
Date of Last Calibration Check: 19.10.98
Time of Test: 7 am/pm Date: 24.2.99

RESULTS:

% LEL: 0 % OXYGEN: 20.8%

I hereby certify that (description of Tank/Equipment) TYPE 20 UNDERGROUND STEEL
(Reference No:) # 2014
has this day been tested for the presence of flammable vapour and oxygen and has been found to be gas-free and suitable for the following: (delete items not applicable)

- (a) Cold Work
(b) Hot Work (Permit No:.....)
(c) Confined Space Entry (Permit No:.....)
(d) Transportation as non-dangerous goods

Signature of Issuing Officer: [Signature]

Date: 24/2/99

This Certificate to be re-endorsed: YES/NO

Frequency: Person Authorised:

Signed: (Issuing Officer) Date: / /

(Note — Same Testing device to be used for re-endorsement)

Re-endorsed

Time: am/pm Date: / /

%LEL: %OXYGEN

Signature:
(of person authorised to re-endorse)

Re-endorsed

Time: am/pm Date: / /

%LEL: %OXYGEN

Signature:
(of person authorised to re-endorse)

1388 Kingsford Smith Drive
Meeandah, Qld. 4008
26 Bosci Road,
Ingleburn, NSW 2565



BRISBANE Ph: (07) 3260 1406
Fax: (07) 3260 1408
SYDNEY Ph: (02) 9618 0155
Fax: (02) 9618 0244

**PETROLEUM & ENVIRONMENTAL
SERVICES**

GAS FREE CERTIFICATE

No: A 11023

- Notes: 1. Gas-Free does not mean Lead-Free
2. This Certificate does not authorise any hot work or confined space entry which are subject to separate Permits.
3. This Certificate is valid as time of issue or at time of re-endorsement as authorised.

Original: Remains with Job
1st Copy: Invoice Customer
2nd Copy: Book Copy

GAS TESTING:

Meter (Make/Model): Minicas 4

Serial No.: 11608108

Date of Last Calibration Check: 19.10.98

Time of Test: 1:30 am/pm Date: 24.2.99

RESULTS:

% LEL: 0 % OXYGEN: 20.8%

I hereby certify that (description of Tank/Equipment) TYPE 10 UNDERGROUND STEEL

(Reference No:) FF 2014

has this day been tested for the presence of flammable vapour and oxygen and has been found to be gas-free and suitable for the following: (delete items not applicable)

- (a) Cold Work
- (b) Hot Work (Permit No:.....)
- (c) Confined Space Entry (Permit No:.....)
- (d) Transportation as non-dangerous goods

sch4p4(6) Personal information

Signature of Issuing Officer: _____

Date: 24.2.99

This Certificate to be re-endorsed: YES/NO

Frequency: Person Authorised:

Signed: (Issuing Officer) Date: / /

(Note — Same Testing device to be used for re-endorsement)

Re-endorsed

Time: am/pm Date: / /

%LEL: %OXYGEN

Signature:
(of person authorised to re-endorse)

Re-endorsed

Time: am/pm Date: / /

%LEL: %OXYGEN

Signature:
(of person authorised to re-endorse)

1388 Kingsford Smith Drive
Meeandah, Qld. 4008
26 Bosci Road,
Ingleburn, NSW 2565



BRISBANE Ph: (07) 3260 1406
Fax: (07) 3260 1408
SYDNEY Ph: (02) 9618 0155
Fax: (02) 9618 0244

**PETROLEUM & ENVIRONMENTAL
SERVICES**

GAS FREE CERTIFICATE

No: A 11024

- Notes: 1. Gas-Free does not mean Lead-Free
2. This Certificate does not authorise any hot work or confined space entry which are subject to separate Permits.
3. This Certificate is valid as time of issue or at time of re-endorsement as authorised.

Original: Remains with Job
1st Copy: Invoice Customer
2nd Copy: Book Copy

GAS TESTING:

Meter (Make/Model): MINICAS 4

Serial No.: 11608 108

Date of Last Calibration Check: 19.10.98

Time of Test: 8 am/pm Date: 24.2.99

RESULTS:

% LEL: 0 % OXYGEN: 20.8%

I hereby certify that (description of Tank/Equipment) TYPE 17 UNDERGROUND STEEL

(Reference No:) 2014

has this day been tested for the presence of flammable vapour and oxygen and has been found to be gas-free and suitable for the following: (delete items not applicable)

- (a) Cold Work
(b) Hot Work (Permit No:.....)
(c) Confined Space Entry (Permit No:.....)
(d) Transportation as non-dangerous goods

sch4p4(6) Personal information

Signature of Issuing Officer: [Signature]

Date: 24.2.99

This Certificate to be re-endorsed: YES/NO

Frequency: Person Authorised:

Signed: (Issuing Officer) Date: / /

(Note — Same Testing device to be used for re-endorsement)

Re-endorsed

Time: am/pm Date: / /

%LEL: %OXYGEN

Signature:
(of person authorised to re-endorse)

18 056

File A

Re-endorsed

Time: am/pm Date: / /

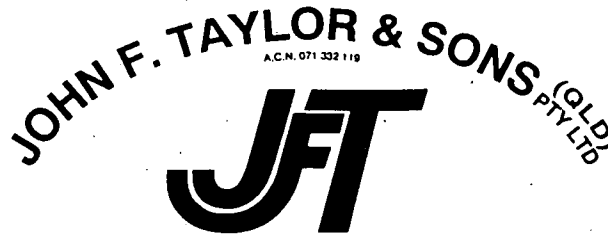
%LEL: %OXYGEN

Signature:
(of person authorised to re-endorse)

74 01 110

SEE ATTACHED SHEET FOR FURTHER ENDORSEMENTS

1388 Kingsford Smith Drive
Meeandah, Qld. 4008
26 Bosci Road,
Ingleburn, NSW 2565



BRISBANE Ph: (07) 3260 1406
Fax: (07) 3260 1408
SYDNEY Ph: (02) 9618 0155
Fax: (02) 9618 0244

**PETROLEUM & ENVIRONMENTAL
SERVICES**

GAS FREE CERTIFICATE

No: A 11025

- Notes: 1. Gas-Free does not mean Lead-Free
2. This Certificate does not authorise any hot work or confined space entry which are subject to separate Permits.
3. This Certificate is valid as time of issue or at time of re-endorsement as authorised.

Original: Remains with Job
1st Copy: Invoice Customer
2nd Copy: Book Copy

GAS TESTING:

Meter (Make/Model): MINKAS 4

Serial No.: 11608108

Date of Last Calibration Check: 19.10.98

Time of Test: 9 am/pm Date: 24.2.99

RESULTS:

% LEL: 0 % OXYGEN: 20.8%

I hereby certify that (description of Tank/Equipment) TYPE 22 LOWPRESSURE STEEL

(Reference No:) 2014

has this day been tested for the presence of flammable vapour and oxygen and has been found to be gas-free and suitable for the following: (delete items not applicable)

- (a) Cold Work
(b) Hot Work (Permit No:.....)
(c) Confined Space Entry (Permit No:.....)
(d) Transportation as non-dangerous goods

sch4p4(6) Personal information

Signature of Issuing Officer: _____

Date: 24/2/99

This Certificate to be re-endorsed: YES/NO

Frequency: _____ Person Authorised: _____

Signed: (Issuing Officer) _____ Date: _____ / _____ / _____

(Note — Same Testing device to be used for re-endorsement)

Re-endorsed

Time: am/pm Date:...../...../.....

%LEL: %OXYGEN

Signature:
(of person authorised to re-endorse)

Re-endorsed

Time: am/pm Date:...../...../.....

%LEL: %OXYGEN

Signature:
(of person authorised to re-endorse)

File A

75 of 116

SEE ATTACHED SHEET FOR FURTHER ENDORSEMENTS

1388 Kingsford Smith Drive
Meeandah, Qld. 4008
26 Bosci Road,
Ingleburn, NSW 2565



BRISBANE Ph: (07) 3260 1406
Fax: (07) 3260 1408
SYDNEY Ph: (02) 9618 0155
Fax: (02) 9618 0244

**PETROLEUM & ENVIRONMENTAL
SERVICES**

GAS FREE CERTIFICATE

No: A 11026

- Notes: 1. Gas-Free does not mean Lead-Free
2. This Certificate does not authorise any hot work or confined space entry which are subject to separate Permits.
3. This Certificate is valid as time of issue or at time of re-endorsement as authorised.

Original: Remains with Job
1st Copy: Invoice Customer
2nd Copy: Book Copy

GAS TESTING:

Meter (Make/Model): MINIGAS 4

Serial No.: 11608108

Date of Last Calibration Check: 19.10.98

Time of Test: 9.30 am/pm Date: 24.2.99

RESULTS:

% LEL: 0 % OXYGEN: 20.8%

I hereby certify that (description of Tank/Equipment) TYPE 2 WASTE OIL

(Reference No:) 2014

has this day been tested for the presence of flammable vapour and oxygen and has been found to be gas-free and suitable for the following: (delete items not applicable)

- (a) Cold Work
(b) Hot Work (Permit No:.....)
(c) Confined Space Entry (Permit No:.....)
(d) Transportation as non-dangerous goods

sch4p4(6) Personal information

Signature of Issuing Officer: [Signature]

Date: 24/2/99

This Certificate to be re-endorsed: YES/NO

Frequency: Person Authorised:

Signed: (Issuing Officer) Date: / /

(Note — Same Testing device to be used for re-endorsement)

Re-endorsed

Time: am/pm Date: / /

%LEL: %OXYGEN

Signature:
(of person authorised to re-endorse)

Re-endorsed

Time: am/pm Date: / /

%LEL: %OXYGEN

Signature:
(of person authorised to re-endorse)

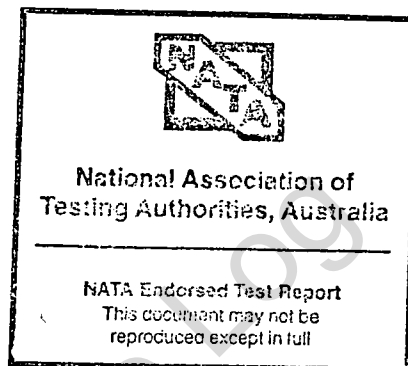
**APPENDIX D
ANALYTICAL DATA**



**Australian
Environmental
Laboratories**

4 March 1999

OTEK Australia PTY LTD
26/500 Seventeen Mile Rocks Road
SEVENTEEN MILE ROCKS QLD 4073



Your Reference: MITCHELTON - CALTEX B99028
Australian Environmental Laboratories Report No.: 8713

Attention: sch4p4(6) Personal i

We received 46 samples for analysis on 23 February 1999. The samples were analysed according to your sample request form and the results are contained in this report.

** Analysed by AEL Perth. NATA accreditation no. 1712. Their report no. 44271. Replaces interim report dated 2 March 1999.*

Note: Replaces interim report dated 3 March 1999.

Results are reported on an 'as received' basis for waters and on a dry weight basis for soils.

NB: Samples will be disposed of thirty (30) days after issue of this report unless otherwise advised.

Yours faithfully
Australian Environmental Laboratories

sch4p4(6) Personal information

Organic Chemist

sch4p

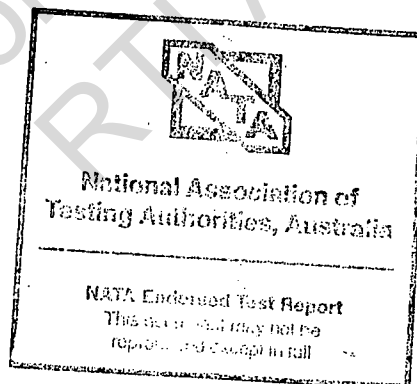
sch4p4(6) Personal info

Manager

OTEK AUSTRALIA
Project: MITCHELTON - CALTEX (B99028)

OUR REFERENCE	8713-1	8713-1RPT	8713-2	8713-3	8713-4	8713-5	8713-6	8713-7	8713-8	8713-9	8713-10
YOUR REFERENCE	S-1		S-2	S-3	S-4	S-5	S-6	S-7	S-8	S-9	S-10
SAMPLE TYPE	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
UNITS (unless otherwise stated)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic, As	17	-	-	34	-	20	-	-	-	-	-
Cadmium, Cd	<1	<1	-	<1	-	<1	-	-	-	-	-
Chromium, Cr	9	9	-	9	-	12	-	-	-	-	-
Copper, Cu	6	6	-	5	-	10	-	-	-	-	-
Nickel, Ni	<3	<3	-	<3	-	<3	-	-	-	-	-
Lead, Pb	11	11	8	7	9	8	20	9	11	65	16
Zinc, Zn	67	42	-	33	-	11	-	-	-	-	-

Method Codes : BEM200, BEM100/120, BEM120, BEM100/120/130



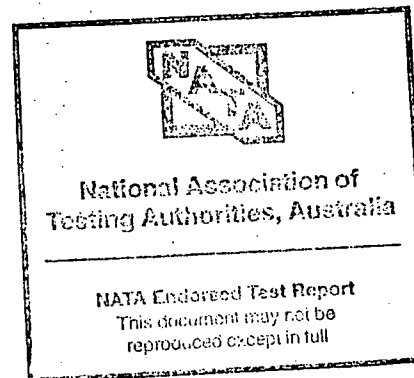
Note: Replaces interim reports dated 2/3/99 and 3/3/99.



OTEK AUSTRALIA
Project: MITCHELTON - CALTEX (B99028)

OUR REFERENCE	8713-11	8713-12	8713-13	8713-14	8713-15	8713-16	8713-17	8713-18	8713-19	8713-20	8713-21
YOUR REFERENCE	S-11	S-12	S-13	S-14	S-15	S-16	S-17	S-18	S-19	S-20	S-21
SAMPLE TYPE	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
UNITS (unless otherwise stated)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic, As	-	-	-	-	-	-	-	-	-	-	-
Cadmium, Cd	-	-	-	-	-	-	-	-	-	-	-
Chromium, Cr	-	-	-	-	-	-	-	-	-	-	-
Copper, Cu	-	-	-	-	-	-	-	-	-	-	-
Nickel, Ni	-	-	-	-	-	-	-	-	-	-	-
Lead, Pb	4	3	10	5	<3	7	<3	13	<3	<3	60
Zinc, Zn	-	-	-	-	-	-	-	-	-	-	-

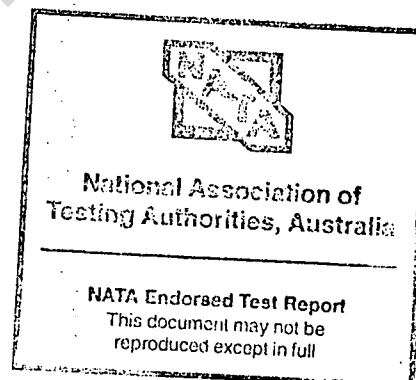
Method Codes : BEM100/120/130



OTEK AUSTRALIA
Project: MITCHELTON - CALTEX (B99028)

OUR REFERENCE	8713-22	8713-23	8713-24	8713-25	8713-26	8713-27	8713-28	8713-29	8713-30	8713-31	8713-32
YOUR REFERENCE	S-22	S-23	S-24	S-25	S-26	S-27	S-28	S-29	S-30	S-37	S-38
SAMPLE TYPE	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
UNITS (unless otherwise stated)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic, As	-	-	-	-	-	-	-	-	-	-	-
Cadmium, Cd	-	-	-	-	-	-	-	-	-	-	-
Chromium, Cr	-	-	-	-	-	-	-	-	-	-	-
Copper, Cu	-	-	-	-	-	-	-	-	-	-	-
Nickel, Ni	-	-	-	-	-	-	-	-	-	-	-
Lead, Pb	41	58	10	12	12	6	12	9	7	3	6
Zinc, Zn	-	-	-	-	-	-	-	-	-	-	-

Method Codes : BEM100/120/130

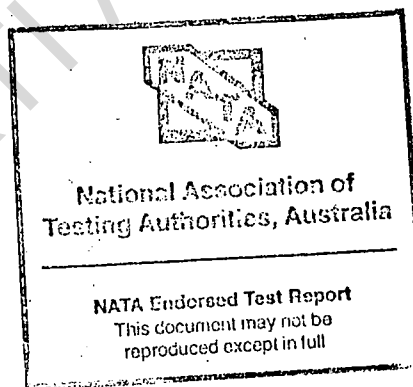




OTEK AUSTRALIA
Project: MITCHELTON - CALTEX (B99028)

OUR REFERENCE	8713-33	8713-33RPT	8713-34	8713-35	8713-36	8713-37	8713-38	8713-39	8713-40	8713-41
YOUR REFERENCE	S-47		S-44	S45	S-46	A-1/V-1	A-2/V-1	A-3/V-1	A-4/V-1	A-4/V-2
SAMPLE TYPE	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
UNITS (unless otherwise stated)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic, As	17	-	-	-	56	25	-	-	-	-
Cadmium, Cd	<1	<1	-	-	<1	<1	-	-	-	-
Chromium, Cr	19	16	-	-	5	9	-	-	-	-
Copper, Cu	49	43	-	-	7	<3	-	-	-	-
Nickel, Ni	6	5	-	-	<3	<3	-	-	-	-
Lead, Pb	82	87	9	68	11	7	15	10	21	9
Zinc, Zn	290	320	-	-	40	32	-	-	-	-

Method Codes : BEM200, BEM100/120, BEM120, BEM100/120/130

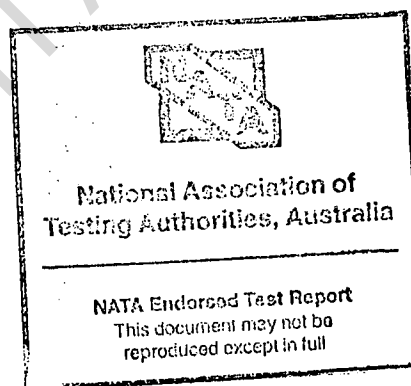




OTEK AUSTRALIA
Project: MITCHELTON - CALTEX (B99028)

OUR REFERENCE	8713-42	8713-42RPT	8713-43	8713-44	8713-45	8713-46	BLANK	8713-1SPK
YOUR REFERENCE	A-5/V-1		A-6/V-1	QS-1	QS-2	QS-3		
SAMPLE TYPE	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
UNITS (unless otherwise stated)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	%Recovery
Arsenic, As	67	-	37	-	-	-	-	-
Cadmium, Cd	<1	<1	<1	-	-	-	<1	94
Chromium, Cr	25	26	12	-	-	-	<3	114
Copper, Cu	16	19	12	-	-	-	<3	91
Nickel, Ni	7	7	<3	-	-	-	<3	93
Lead, Pb	120	97	11	12	10	8	<3	95
Zinc, Zn	67	72	18	-	-	-	<3	107

Method Codes : BEM200, BEM100/120, BEM120, BEM100/120/130

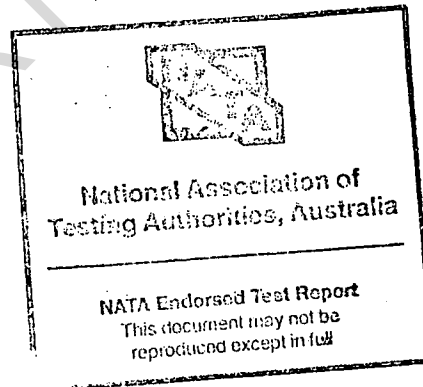




OTEK AUSTRALIA
Project: MITCHELTON - CALTEX (B99028)

OUR REFERENCE	8713-1SPK RPT	8713-33SPK	8713-33SPK RPT	8713-42SPK	8713-42SPK RPT
YOUR REFERENCE					
SAMPLE TYPE					
UNITS (unless otherwise stated)	%Recovery	%Recovery	%Recovery	%Recovery	%Recovery
Arsenic, As	-	-	-	-	-
Cadmium, Cd	95	94	95	93	93
Chromium, Cr	111	108	109	109	104
Copper, Cu	92	92	90	84	87
Nickel, Ni	91	93	94	83	82
Lead, Pb	96	91	-	-	82
Zinc, Zn	96	-	-	-	-

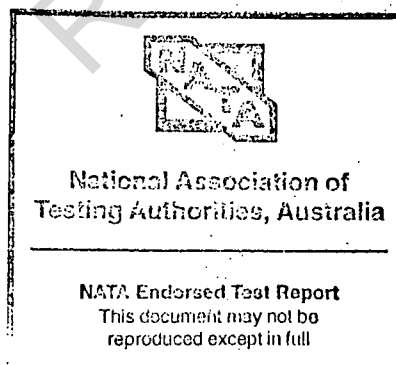
Method Codes : BEM200, BEM100/120, BEM120, BEM100/120/130



OTEK AUSTRALIA
Project: MITCHELTON - CALTEX (B99028)

OUR REFERENCE	8713-1	8713-1RPT	8713-2	8713-3	8713-4	8713-5	8713-6	8713-7	8713-8	8713-9
YOUR REFERENCE	S-1		S-2	S-3	S-4	S-5	S-6	S-7	S-8	S-9
SAMPLE TYPE	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Hydrocarbons C ₆ -C ₉	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hydrocarbons C ₁₀ -C ₁₄	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hydrocarbons C ₁₅ -C ₂₈	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Hydrocarbons C ₂₉ -C ₃₆	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
Benzene *	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Toluene *	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Ethyl Benzene *	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Xylenes *	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Surrogate Spike (%) *	105	104	103	98	99	97	100	104	103	103

Method Codes : TRH (BEO200) / BTEX (PEO-310*)



Note: Replaces interim reports dated 2/3/9 and 3/3/99.

18-056

File A

PAGE 8 OF 16

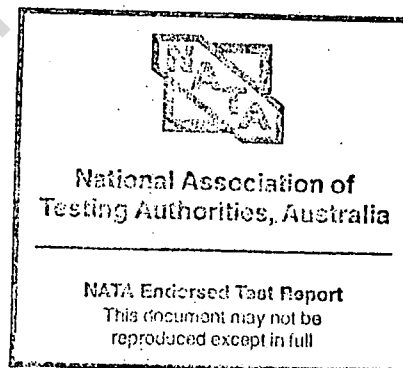
85 of 116

Relé

OTEK AUSTRALIA
Project: MITCHELTON - CALTEX (B99028)

OUR REFERENCE	8713-10	8713-11	8713-12	8713-13	8713-14	8713-15	8713-16	8713-17	8713-18
YOUR REFERENCE	S-10	S-11	S-12	S-13	S-14	S-15	S-16	S-17	S-18
SAMPLE TYPE	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Hydrocarbons C ₆ -C ₉	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hydrocarbons C ₁₀ -C ₁₄	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hydrocarbons C ₁₅ -C ₂₈	85	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Hydrocarbons C ₂₉ -C ₃₆	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
Benzene *	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Toluene *	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Ethyl Benzene *	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Xylenes *	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Surrogate Spike (%) *	102	98	77	97	99	101	97	101	93

Method Codes : TRH (BEO200) / BTEX (PEO-310*)



Note: Replaces interim reports dated 2/3/9 and 3/3/99.
18-056

File A

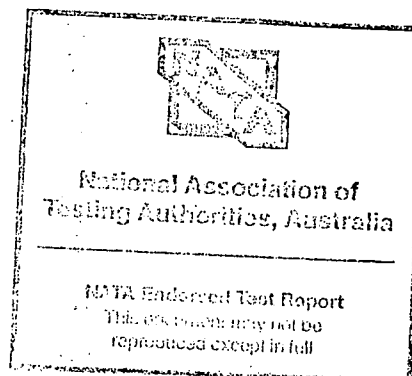
PAGE 9 OF 16
86 of 116

Released

OTek AUSTRALIA
Project: MITCHELTON - CALTEX (B99028)

OUR REFERENCE	8713-19	8713-20	8713-21	8713-21RPT	8713-22	8713-23	8713-24	8713-25	8713-26
YOUR REFERENCE	S-19	S-20	S-21		S-22	S-23	S-24	S-25	S-26
SAMPLE TYPE	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Hydrocarbons C ₆ -C ₉	<20	<20	<20	<20	<20	<20	<20	<20	<20
Hydrocarbons C ₁₀ -C ₁₄	<20	<20	<20	<20	<20	<20	<20	<20	<20
Hydrocarbons C ₁₅ -C ₂₈	<50	<50	<50	<50	<50	<50	<50	<50	<50
Hydrocarbons C ₂₉ -C ₃₆	<100	<100	<100	<100	<100	<100	<100	<100	<100
Benzene *	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	0.5	<0.5	<0.5
Toluene *	<0.5	<0.5	<0.5	<0.5	<0.5	2.3	<0.5	<0.5	<0.5
Ethyl Benzene *	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	0.9	<0.5	<0.5
Xylenes *	<1.5	<1.5	<1.5	<1.5	<1.5	4.0	3.7	<1.5	<1.5
Surrogate Spike (%) *	99	98	94	89	102	99	96	94	84

Method Codes : TRH (BEO200) / BTEX (PEO-310*)

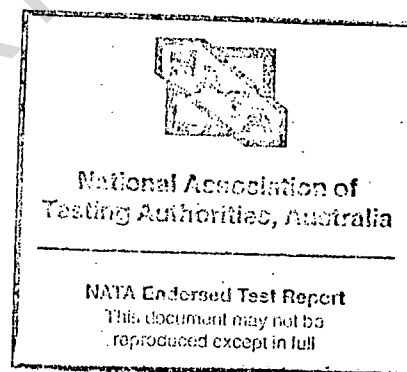




**OTEK AUSTRALIA
Project: MITCHELTON - CALTEX (B99028)**

OUR REFERENCE	8713-27	8713-28	8713-29	8713-30	8713-31	8713-32	8713-33	8713-34	8713-35
YOUR REFERENCE	S-27	S-28	S-29	S-30	S-37	S-38	S-47	S-44	S45
SAMPLE TYPE	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Hydrocarbons C ₆ -C ₉	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hydrocarbons C ₁₀ -C ₁₄	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hydrocarbons C ₁₅ -C ₂₈	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Hydrocarbons C ₂₉ -C ₃₆	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
Benzene *	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Toluene *	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Ethyl Benzene *	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Xylenes *	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Surrogate Spike (%) *	102	94	100	97	100	99	98	95	95

Method Codes : TRH (BEO200) / BTEX (PEO-310*)

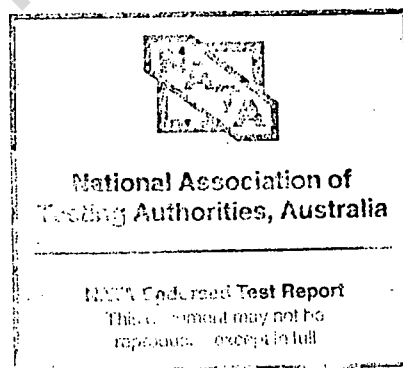




**OTEK AUSTRALIA
Project: MITCHELTON - CALTEX (B99028)**

OUR REFERENCE	8713-36	8713-37	8713-38	8713-39	8713-40	8713-47	8713-42	8713-43	8713-44
YOUR REFERENCE	S-46	A-1/V-1	A-2/V-1	A-3/V-1	A-4/V-1	A-4/V-2	A-5/V-1	A-6/V-1	QS-1
SAMPLE TYPE	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Hydrocarbons C ₆ -C ₉	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hydrocarbons C ₁₀ -C ₁₄	< 20	< 20	< 20	< 20	< 20	< 20	330	< 20	< 20
Hydrocarbons C ₁₅ -C ₂₈	< 50	< 50	< 50	< 50	< 50	< 50	490	< 50	< 50
Hydrocarbons C ₂₉ -C ₃₆	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
Benzene *	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Toluene *	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Ethyl Benzene *	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Xylenes *	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Surrogate Spike (%) *	94	83	89	98	100	99	102	100	93

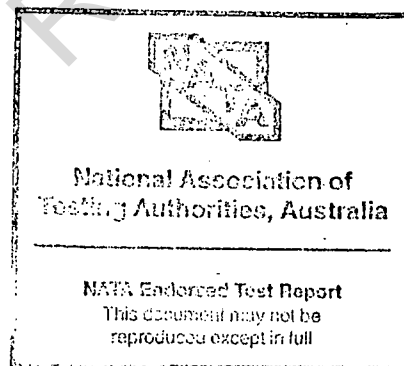
Method Codes : TRH (BEO200) / BTEX (PEO-310*)



OTEK AUSTRALIA
Project: MITCHELTON - CALTEX (B99028)

OUR REFERENCE	8713-45	8713-46	BLANK	8713-2SPK	8713-2SPK RPT	8713-22SPK	8713-22SPK RPT
YOUR REFERENCE	QS-2	QS-3					
SAMPLE TYPE	SOIL	SOIL	SOIL				
UNITS	mg/kg	mg/kg	mg/kg	%Recovery	%Recovery	%Recovery	%Recovery
Hydrocarbons C ₆ -C ₉	< 20	< 20	< 20	98	87	94	95
Hydrocarbons C ₁₀ -C ₁₄	< 20	< 20	< 20	109	108	92	94
Hydrocarbons C ₁₅ -C ₂₈	< 50	< 50	< 50	110	109	94	96
Hydrocarbons C ₂₉ -C ₃₆	< 100	< 100	< 100	112	114	89	88
Benzene *	< 0.5	< 0.5	< 0.5	81	81	80	82
Toluene *	< 0.5	< 0.5	< 0.5	83	82	82	84
Ethyl Benzene *	< 0.5	< 0.5	< 0.5	82	81	82	84
Xylenes *	< 1.5	< 1.5	< 1.5	78	77	78	80
Surrogate Spike (%) *	96	96	99	101	101	99	101

Method Codes : TRH (BEO200) / BTEX (PEO-310*)





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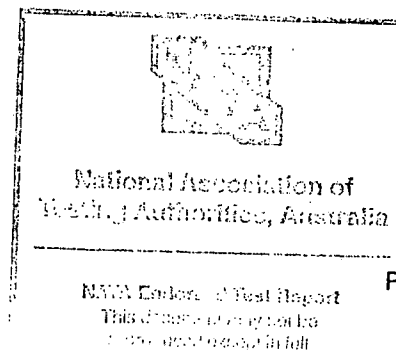
Project: MITCHELTON - CALTEX (B99028)

OUR REFERENCE	8713-2	8713-6	8713-36	8713-36RPT	8713-37	8713-42	8713-43	BLANK	8713-37SPK
YOUR REFERENCE	S-2	S-6	S-46		A-1/V-1	A-5/V-1	A-6/V-1		
SAMPLE TYPE	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	%Recovery
Naphthalene	<0.1	<0.1	<0.1	<0.1	<0.1	5.8	0.2	<0.1	110
Acenaphthylene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
Acenaphthene	<0.1	<0.1	<0.1	<0.1	<0.1	0.8	<0.1	<0.1	-
Fluorene	<0.1	<0.1	<0.1	<0.1	<0.1	0.6	<0.1	<0.1	-
Phenanthrene	<0.1	<0.1	<0.1	<0.1	<0.1	1.3	<0.1	<0.1	110
Anthracene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
Fluoranthene	<0.1	<0.1	<0.1	<0.1	<0.1	0.5	<0.1	<0.1	-
Pyrene	<0.1	<0.1	<0.1	<0.1	<0.1	0.3	<0.1	<0.1	100
Benzo (a) anthracene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
Chrysene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	80
Benzo (b) fluoranthene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
Benzo (k) fluoranthene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
Benzo (a) pyrene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	97
Dibenzo (ah) anthracene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	94
Benzo (ghi) perylene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
Indeno(1,2,3-cd)pyrene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-

Method Codes : PAH BE0301

Note: Replaces interim reports dated 2/3/99 and 3/3/99.
18-056

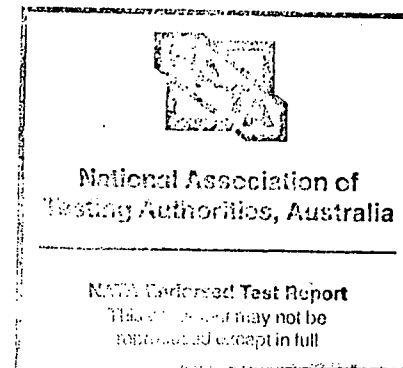
File A



OTek AUSTRALIA
Project: MITCHELTON - CALTEX (B99028)

OUR REFERENCE	8713-37SPK RPT
YOUR REFERENCE	
SAMPLE TYPE	
UNITS	%Recovery
Naphthalene	94
Acenaphthylene	-
Acenaphthene	-
Fluorene	-
Phenanthrene	106
Anthracene	-
Fluoranthene	-
Pyrene	100
Benzo (a) anthracene	-
Chrysene	87
Benzo (b) fluoranthene	-
Benzo (k) fluoranthene	-
Benzo (a) pyrene	102
Dibenzo (ah) anthracene	97
Benzo (ghi) perylene	-
Indeno(1,2,3-cd)pyrene	-

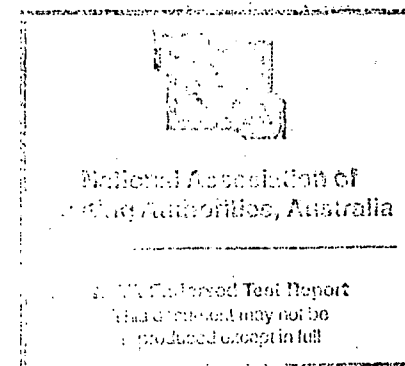
**Method Codes : PAH
BEO301**



OTEK AUSTRALIA
Project: MITCHELTON - CALTEX (B99028)

OUR REFERENCE	8713-36	8713-36RPT	BLANK	8713-36SPK
YOUR REFERENCE	S-46			
SAMPLE TYPE	SOIL	SOIL	SOIL	
UNITS	mg/kg	mg/kg	mg/kg	%Recovery
a-BHC	<0.1	<0.1	<0.1	104
Lindane	<0.1	<0.1	<0.1	98
Heptachlor	<0.1	<0.1	<0.1	98
Aldrin	<0.1	<0.1	<0.1	105
b-BHC	<0.1	<0.1	<0.1	-
d-BHC	<0.1	<0.1	<0.1	-
Heptachlor Epoxide	<0.1	<0.1	<0.1	-
a-Endo-Sulfan	<0.1	<0.1	<0.1	110
trans-Chlordane	<0.1	<0.1	<0.1	-
cis-Chlordane	<0.1	<0.1	<0.1	-
p,p-DDE	<0.1	<0.1	<0.1	109
Dieldrin	<0.1	<0.1	<0.1	108
Endrin	<0.1	<0.1	<0.1	-
p,p-DDD	<0.1	<0.1	<0.1	-
b-Endosulfan	<0.1	<0.1	<0.1	-
p,p-DDT	<0.1	<0.1	<0.1	-
Endrin Aldehyde	<0.1	<0.1	<0.1	-
Endosulfan Sulfate	<0.1	<0.1	<0.1	-
Methoxychlor	<0.2	<0.2	<0.2	-
Endrin Ketone	<0.1	<0.1	<0.1	-
Chlorpyrifos	<0.5	<0.5	<0.5	84
Fenitrothion	<0.5	<0.5	<0.5	-
Bromophosethyl	<0.5	<0.5	<0.5	-
Ethion	<0.5	<0.5	<0.5	-
Surrogate Spike (%)	125	125	110	126

Method Codes : OC/OP Pesticides BEO101





Suite 26.

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ACN 054 371 596

CHAIN OF CUSTODY & ANALYSIS REQUEST

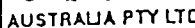
AEU

ADDRESS 31 DOVER ST, ALBION

LAB CONTACT sch4p4(6) Personal inform

PHONE (07) 3262 1588

[illegible]



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Ph: (07)3279 5266

Fax: (07) 279 5377

LAB 7.12

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[illegible]

AUSTRALIA PTY LTD

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Fax: (07) 279 5377

CHAIN OF CUSTODY & ANALYSIS REQUEST

LAB AEL

ADDRESS 31 DOVER ST. ALBION

LAB CONTACT sch4p4(6) Personal info

PHONE (07) 3262 1588

PROJECT #		PROJECT NAME						SAMPLING DATE	No. OF CONTAINERS	ANALYSIS REQUIRED							PRELIMINARY RESULTS BY:					
COLLECTORS NAME																	am/pm					
LAB JOB #																	am/pm					
sch4p4(6) Personal information															FINAL REPORT BY:							
SAMPLE ID		LAB #		MATRIX				PRESERVATION METHOD											REMARKS			
				WATER	SOIL	AIR	SLUDGE	ICE	ACIDIFIED	OTHER	NONE											
S-37 8713-31					✓			✓				22/2/99	1	BTEX/TPH	✓	✓	✓	✓	✓	✓	✓	change IDs requested by sch4p4(6) Personal on 4/6 by phone as
S-38 8713-32					✓			✓							✓	✓	✓	✓	✓	✓		
S-41 8713-33					✓			✓							✓	✓	✓	✓	✓	✓		
S-44 8713-34					✓			✓							✓	✓	✓	✓	✓	✓		
S-45 8713-35					✓			✓							✓	✓	✓	✓	✓	✓		
S-46 8713-36					✓			✓							✓	✓	✓	✓	✓	✓		
A-1/V-1 8713-37					✓			✓							✓	✓	✓	✓	✓	✓		
A-2/V-1 8713-38					✓			✓							✓	✓	✓	✓	✓	✓		
A-3/V-1 8713-39					✓			✓							✓	✓	✓	✓	✓	✓		
A-4/V-1 8713-40					✓			✓							✓	✓	✓	✓	✓	✓		
A-4/V-2 8713-41					✓			✓							✓	✓	✓	✓	✓	✓		
A-5/V-1 8713-42					✓			✓							✓	✓	✓	✓	✓	✓		
A-6/V-1 8713-43					✓			✓							✓	✓	✓	✓	✓	✓		
QS-1 8713-44					✓			✓							✓	✓	✓	✓	✓	✓		
QS-2 8713-45					✓			✓							✓	✓	✓	✓	✓	✓		

SAMPLE RECEIPT ADVICE
Faxed 2/24/2

Relinquished by:
sch4p4(6) Personal informat

Date Time Received by:

23/2/99 4:30pm

Relinquished by:

Date Time Received by:

File A

Relinquished by:

Date Time Received by:

18-056

Date Time Received by:

96 of 116



Ph: (07) 3279 5266
Fax: (07) 3279 5377

LAB ACL
ADDRESS 31 DOVER ST, ALBION
LAB CONTACT [REDACTED]
PHONE (07) 5262 1588

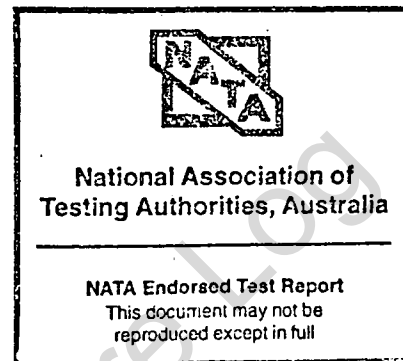
[illegible]



Australian
Environmental
Laboratories

4 March 1999

OTEK AUSTRALIA PTY LTD
26/500 SEVENTEEN MILE ROCKS ROAD
SEVENTEEN MILE ROCKS QLD 4073



Your Reference: MITCHELTON - CALTEX B99028
Australian Environmental Laboratories Report No.:

8718

Attention: sch4p4(6) Personal inform

We received 11 samples for analysis on 24 February 1999. The samples were analysed according to your sample request form and the results are contained in this report.

Note: Replaces interim report dated 3 March 1999.

Results are reported on an 'as received' basis for waters and on a dry weight basis for soils.

NB: Samples will be disposed of thirty (30) days after issue of this report unless otherwise advised.

Yours faithfully
Australian Environmental Laboratories

sch4p4(6) Personal information

Organic Chemist

sch4p4(

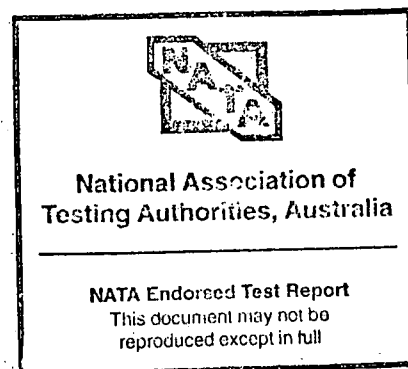
sch4p4(6) Personal

Manager

OTEK AUSTRALIA PTY LTD
Project: MITCHELTON - CALTEX (B99028)

OUR REFERENCE	8718-1	8718-1RPT	8718-2	8718-3	8718-4	8718-5	8718-6	8718-7	8718-8	8718-9
YOUR REFERENCE	S-31		S-32	S-33	S-34	S-35	S-39	S-40	S-41	S-42
SAMPLE TYPE	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
UNITS (unless otherwise stated)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic, As #	34	34	-	-	24	-	23	4.9	-	-
Cadmium, Cd	<1	<1	-	-	<1	-	<1	<1	-	-
Chromium, Cr	14	14	-	-	19	-	12	10	-	-
Copper, Cu	11	11	-	-	9	-	14	11	-	-
Lead, Pb	12	12	12	8	11	10	9	28	17	13
Nickel, Ni	<3	<3	-	-	<3	-	<3	5	-	-
Zinc, Zn	15	16	-	-	16	-	13	60	-	-

Method Codes : BEM200, BEM100/120, BEM120, BEM100/120/130, PEM-004#
Analysed by AEL Perth. NATA accreditation no. 1712. Their report no. 44294.



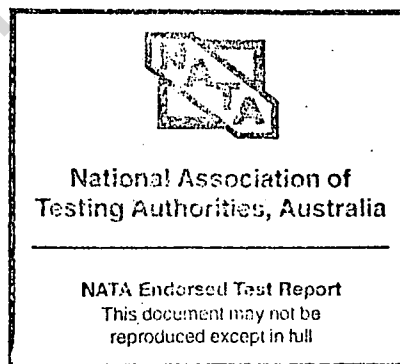


OTEK AUSTRALIA PTY LTD
Project: MITCHELTON - CALTEX (B99028)

OUR REFERENCE	8718-10	8718-11	LOR	8718-1SPK
YOUR REFERENCE	S-43	QS-4		
SAMPLE TYPE	SOIL	SOIL	SOIL	
UNITS (unless otherwise stated)	mg/kg	mg/kg	mg/kg	%Recovery
Arsenic, As #	-	53	0.5	-
Cadmium, Cd	-	< 1	1	94
Chromium, Cr	-	18	3	112
Copper, Cu	-	10	3	90
Lead, Pb	10	20	3	92
Nickel, Ni	-	6	3	90
Zinc, Zn	-	47	3	93

Method Codes : BEM100/120/130, BEM200,
BEM120, PEM-004#

Analysed by AEL Perth. NATA accreditation no. 1712. Their report no. 44294.

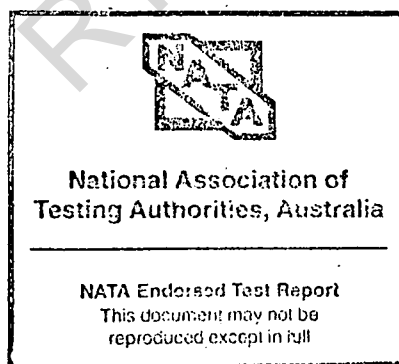


OTEK AUSTRALIA PTY LTD
Project: MITCHELTON - CALTEX (B99028)

OUR REFERENCE	8718-1	8718-1RPT	8718-2	8718-3	8718-4	8718-5	8718-6	8718-7	8718-8	8718-9
YOUR REFERENCE	S-31		S-32	S-33	S-34	S-35	S-39	S-40	S-41	S-42
SAMPLE TYPE	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Hydrocarbons C ₆ -C ₉	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hydrocarbons C ₁₀ -C ₁₄	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Hydrocarbons C ₁₅ -C ₂₈	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Hydrocarbons C ₂₉ -C ₃₆	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
Benzene *	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Toluene *	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Ethyl Benzene *	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Xylenes *	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Surrogate Spike (%) *	105	104	103	99	98	104	100	102	99	98

Method Codes : TRH (BEO200) / BTEX (PEO-310*)

* Analysed by AEL Perth. NATA accreditation no. 1712. Their report no. 44289.



Note: Replaces interim report dated 3/3/99.

18-056

File A

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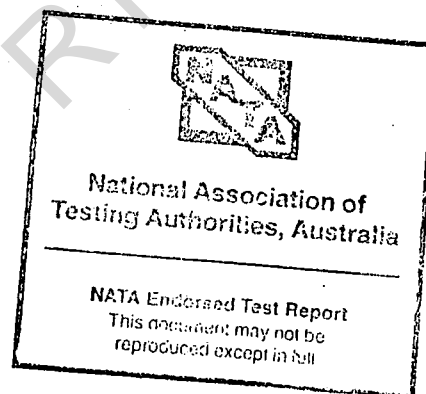
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OTEK AUSTRALIA PTY LTD.
Project: MITCHELTON - CALTEX (B99028)

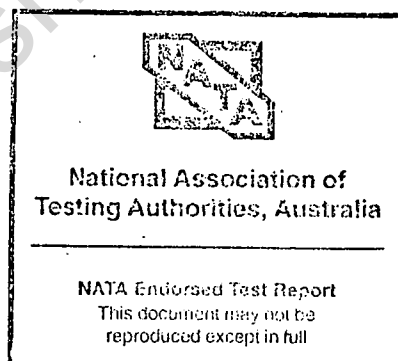
OUR REFERENCE	8718-10	8718-11	BLANK	8718-1SPK	8718-1SPK RPT
YOUR REFERENCE	S-43	QS-4			
SAMPLE TYPE	SOIL	SOIL	SOIL		
UNITS	mg/kg	mg/kg	mg/kg	%Recovery	%Recovery
Hydrocarbons C ₆ -C ₉	< 20	< 20	< 20	77	90
Hydrocarbons C ₁₀ -C ₁₄	< 20	< 20	< 20	113	106
Hydrocarbons C ₁₅ -C ₂₈	< 50	< 50	< 50	99	93
Hydrocarbons C ₂₉ -C ₃₆	< 100	< 100	< 100	102	101
Benzene *	< 0.5	< 0.5	< 0.5	82	84
Toluene *	< 0.5	< 0.5	< 0.5	84	85
Ethyl Benzene *	< 0.5	< 0.5	< 0.5	82	84
Xylenes *	< 1.5	< 1.5	< 1.5	82	84
Surrogate Spike (%) *	101	98	-	101	102

Method Codes : TRH (BEO200) / BTEX (PEO-310*)



OTEK AUSTRALIA PTY LTD.
Project: MITCHELTON - CALTEX (B99028)

OUR REFERENCE	8718-1	8718-1RPT	8718-5	8718-6	8718-7	8718-11	BLANK	8718-11SPK	8718-11SPK RPT
YOUR REFERENCE	S-31		S-35	S-39	S-40	QS-4			
SAMPLE TYPE	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL		
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	%Recovery	%Recovery
Naphthalene	0.2	0.2	3.2	<0.1	<0.1	<0.1	<0.1	93	96
Acenaphthylene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
Acenaphthene	<0.1	<0.1	0.2	<0.1	<0.1	<0.1	<0.1	-	-
Fluorene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-
Phenanthrene	<0.1	<0.1	0.3	<0.1	<0.1	<0.1	<0.1	79	94
Anthracene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-
Fluoranthene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-
Pyrene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	96	97
Benzo (a) anthracene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-
Chrysene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	92	96
Benzo (b) fluoranthene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-
Benzo (k) fluoranthene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-
Benzo (a) pyrene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	91	96
Dibenzo (ah) anthracene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	86	92
Benzo (ghi) perylene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-
Indeno(1,2,3-cd)pyrene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-



Method Codes : PAH BEO301

Note: Replaces interim report dated 3/3/99.
18-056

File A

PAGE 6 OF 6
103 of 116

Released



OTEK Australia Pty. Ltd.
Suite 26,
500 Seventeen Mile Rocks Rd
Brisbane, QLD, 4073 Ph: (07)3279 5266
AUSTRALIA PTY LTD ACN 054 371 596 Fax: (07)3279 5377

CHAIN OF CUSTODY & ANALYSIS REQUEST

LAB AEL
ADDRESS 31 DOVER ST. AUBURN
LAB CONTACT sch4p4(6) Personal inform
PHONE (07) 3262 1588

PROJECT # 899028		PROJECT NAME MITCHELTON - CALTEX								ANALYSIS REQUIRED										PRELIMINARY RESULTS BY: 3/3/99 am/pm ☐ VERBA ☒ FAX		
COLLECTORS NAME sch4p4(6) Personal information		LAB JOB #																		FINAL REPORT BY: 10/3/99 am/pm		
SAMPLE ID	LAB #	MATRIX				PRESERVATION METHOD				SAMPLING DATE	No. OF CONTAINERS	BTX/TPH W, CD, C, N, 7x METALS Zn, As, Pb, Ni	PAH	BTX/TPH/Pb							REMARKS	
		WATER	SOIL	AIR	SLUDGE	ICE	ACIDIFIED	OTHER	NONE													
S-31	8718-1		✓			✓				23/2/99	1	✓	✓	✓								
S-32	-2													✓								
S-33	-3													✓								
S-34	-4											✓	✓									
S-35	-5												✓	✓								
S-39	-6											✓	✓	✓								
S-40	-7											✓	✓	✓								
S-41	-8													✓								
S-42	-9													✓								
S-43	-10													✓								
QS-4	8718-11		✓			✓						✓	✓	✓								
SAMPLE RECEIPT ADVICE Faxed on 25/2																						

Australian Environmental Laboratories - Brisbane

Received 24/2/99

Time 5:00 am/pm ☒

By: sch4p4(6) Personal

Cool on receipt ☒ yes / no / n/a

Samples intact ☒ yes / no

Results due 3/3/99

Comments: JOB: 8718

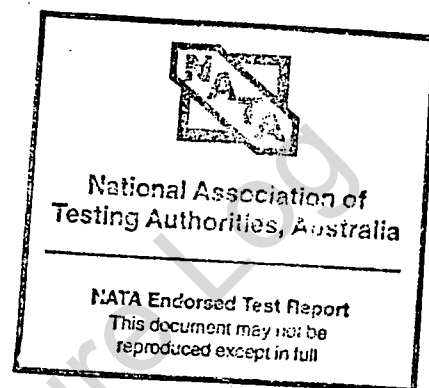
Relinquished by: sch4p4(6) Personal informat	Date 24/2/99	Time 4:30pm	Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by: 18-056	Date	Time	Received by: sch4p4(6) Personal inform	Date 24/2/99	Time 4:30pm	Relinquished by:	Date	Time	Received by:	Date	Time



Australian
Environmental
Laboratories

22 March 1999

OTEK AUSTRALIA PTY LTD
26/500 SEVENTEEN MILE ROCKS ROAD
SEVENTEEN MILE ROCKS QLD 4073



Your Reference: CALTEX- MITCHELTON B99028
Australian Environmental Laboratories Report No.:

8783

Attention: sch4p4(6) Personal information

We received 1 sample for analysis on 16 March 1999. The sample was analysed according to your sample request form and the results are contained in this report.

Results are reported on an 'as received' basis for waters and on a dry weight basis for soils.

NB: Samples will be disposed of thirty (30) days after issue of this report unless otherwise advised.

Yours faithfully
Australian Environmental Laboratories

sch4p4(6) Personal information

Manager- Operations

sch4p4(6) Personal information

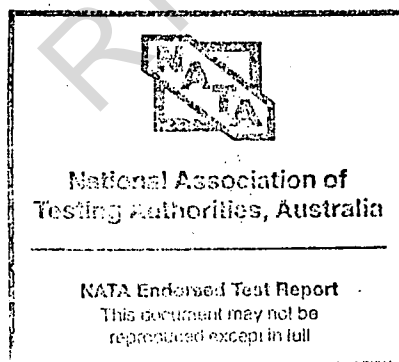
Organic Chemist

sch4p4

OTEK AUSTRALIA PTY LTD
Project: CALTEX- MITCHELTON (B99028)

OUR REFERENCE	8783-1	8783-1RPT	BLANK	BATCH SPK	BATCH SPK RPT
YOUR REFERENCE	A-5/V-2				
SAMPLE TYPE	SOIL	SOIL	SOIL		
UNITS	mg/kg	mg/kg	mg/kg	%Recovery	%Recovery
Hydrocarbons C ₆ -C ₉	< 20	< 20	< 20	84	87
Hydrocarbons C ₁₀ -C ₁₄	480	390	< 20	87	89
Hydrocarbons C ₁₅ -C ₂₈	140	100	< 50	86	87
Hydrocarbons C ₂₉ -C ₃₆	< 100	< 100	< 100	87	84

Method Codes : TRH (BEO200)





sch4p4(6) Personal information

Australian Environmental
Laboratories - Brisbane

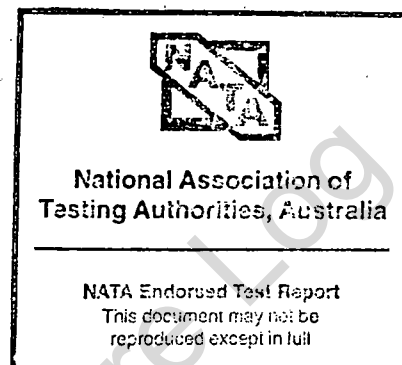
Received 16 3 99
Time 3:45 am/pm
By: G BRAD
Cool on receipt yes/no/n/a
Samples intact yes/no
Results due 19 13 99
Comments: JOB 8783



Australian
Environmental
Laboratories

6 April 1999

OTEK AUSTRALIA P/L
26/500 SEVENTEEN MILE ROCKS ROAD
SEVENTEEN MILE ROCKS QLD 4073



Your Reference: CALTEX MITCHELTON B99028
Australian Environmental Laboratories Report No.: 8839

Attention: sch4p4(6) Personal inform

We received 1 sample for analysis on 26 March 1999. The sample was analysed according to your sample request form and the results are contained in this report.

Note: Replaces interim report dated 30 March 1999.

Results are reported on an 'as received' basis for waters and on a dry weight basis for soils.

NB: Samples will be disposed of thirty (30) days after issue of this report unless otherwise advised.

Yours faithfully
Australian Environmental Laboratories

sch4p4(6) Personal inform

Manager - Operations

sch4p4(6) Personal information

Organic Chemist

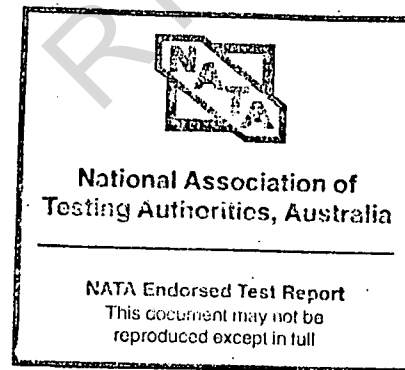
sch4p

OTEX AUSTRALIA P/L
Project: CALTEX MITCHELTON (B99028)

OUR REFERENCE	8839-1	8839-1RPT	BLANK	BATCH SPK	BATCH SPK RPT
YOUR REFERENCE	S-23A				
SAMPLE TYPE	SOIL	SOIL			
UNITS	mg/kg	mg/kg	mg/kg	%Recovery	%Recovery
Benzene	<0.5	<0.5	<0.5	100	94
Toluene	<0.5	<0.5	<0.5	102	98
Ethyl Benzene	<0.5	<0.8	<0.5	106	102
Xylenes	<1.5	<1.5	<1.5	107	100
Surrogate Spike (%)	90	99	118	99	94

Method Codes : BTEX (SEO-017)

Analysed by AEL Sydney. NATA accreditation no. 4361. Their report no. 10697.



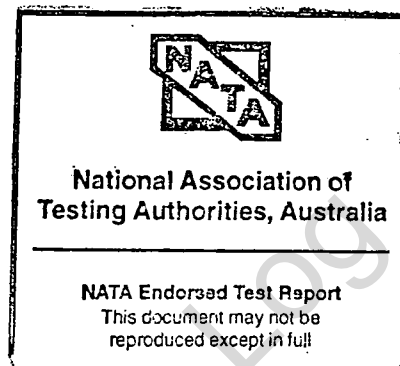
[illegible]



**Australian
Environmental
Laboratories**

19 April 1999

OTEK Australia PTY LTD
26/500 Seventeen Mile Rocks Road
SEVENTEEN MILE ROCKS QLD 4073



Your Reference: MITCHELTON CALTEX B99028
Australian Environmental Laboratories Report No.: 8891

Attention:

sch4p4(6) Personal information

We received 1 sample for analysis on 15 April 1999. The sample was analysed according to your sample request form and the results are contained in this report.

Results are reported on an 'as received' basis for waters and on a dry weight basis for soils.

NB: Samples will be disposed of thirty (30) days after issue of this report unless otherwise advised.

Yours faithfully
Australian Environmental Laboratories

sch4p4(6) Personal information

Manager - Operations

sch4p4(6) Personal information

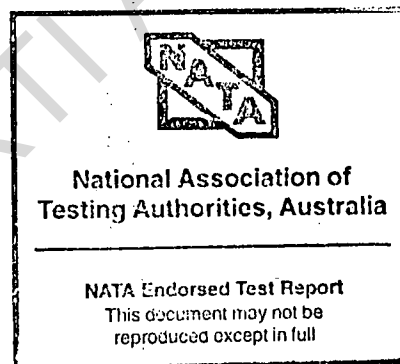
Organic Chemist

sch4p4

OTЕК AUSTRALIA PTY LTD
Project: MITCHELTON CALTEX (B99028)

OUR REFERENCE	8891-1	8891-1RPT	BLANK	8891-1SPK
YOUR REFERENCE	A-5/V-3			
SAMPLE TYPE	SOIL	SOIL	SOIL	
UNITS	mg/kg	mg/kg	mg/kg	%Recovery
Hydrocarbons C ₆ -C ₉	< 20	< 20	< 20	83
Hydrocarbons C ₁₀ -C ₁₄	< 20	< 20	< 20	79
Hydrocarbons C ₁₅ -C ₂₈	< 50	< 50	< 50	80
Hydrocarbons C ₂₉ -C ₃₆	< 100	< 100	< 100	76

Method Codes : TRH (BEO200)





SAMPLE RECEIPT ADVICE


Australian Environmental Laboratories - Brisbane
 Received 15 / 4 / 99
 Time 5-00 am / pm
 By sch4p4(6) Perso
 Cool on receipt yes / no / na
 Samples intact yes / no
 Results due 2 / 4 / 99
 Comments: JOB: 8891



ENVIRONMENTAL PROFESSIONALS

Melbourne
Sydney
Brisbane
Perth

Reg Site	Comments	Amend Log	Categ. Hist	Hist. Repos	Site Management	Show Docs
Lot: 1	Plan: RP123766	Category: PRO	CSR Cont Site ID: 140-36841			
Local Authority: BRISBANE CITY	Entry Date: 26/03/1996	MR Alter Date:				
Site Name: AMPOL SERVICE STATION-MITCHLETON	Prescribed Purpose: SERVICE STATION					
Location Street: 1 SUSSEX STREET						
Location Suburb: MITCHELTON	Post Code: 4053					
Owner Address: AMPOL LTD	Contsite File: 0	Officer: NIL				
PO BOX 1451	Current Use: 2231	Past Use: 2231				
TOOWONG	DNR Parcel Status: C	Contaminant: UNK				
QLD	Prev Lot No: 1					
4066	Prev Plan No: RP123766					
Post Code:	Zoning: RES	Area: 1196				
	UXO Region:	Cont Grid Water: U				
Comments: NOTIFICATION BY COUNCIL FAX 18/3/96. SERVICE STATION.-26/3/96 DEH.						

Lot:	1	Plan:	RP123766
Category:	REMOVED		
LGA:	Brisbane City Council		
Site Name:	AMPOL SERVICE STATION-MITCHELTON		
Street:	1 SUSSEX STREET		
Suburb:	MITCHELTON	Post Code:	4053
Owner:	AMPOL LTD		
Address:	PO BOX 1451		
	TOOWONG		
	QLD		
Post Code:	4066		

Rec Type:	BP	ID:	2413
Region:		Hist. ID:	140-36841
AMA/AN:			
Notified By:	DATA CONV	Notif. Rec'd:	
Entry Date:	27/06/1998	Last Altered Date:	28/06/1999
File:	902401		
Officer:	OBRIEN		
Parcel Status:	C	Area:	1196 m2

External References

Hazardous Contaminants

Notifiable Activities

SERVICE STATIONS

Comments

Create Date	User ID	Corr No	Officer Name	Date Final	How Finalized
16/06/1999	DENNINK				
AMENDED FILE NUMBER.					
28/06/1999	BIGNELT				
SITE RECATEGORISED TO REMOVED.					