



## ANNEXURE 1 - SITE MANAGEMENT PLAN

LOT : 24

PLAN : NK45

FILE REF : BNE46402

DATE OF EFFECT : 24/10/2014

**Real property description:** Lot 24 on Crown Plan NK45

**Address:** 63 Brolga Street, Quilpie, QLD.

**Version:** Lot 24 on CP NK45\_Quilpie\_SMP\_v1

### 1.0 Summary of contamination

The former Quilpie Depot ('the site') is located at 63 Brolga Street, Quilpie, Queensland. The current zoning of the site is "Mixed Use", and the current land use is "Commercial". The currently vacant site is a decommissioned former fuel depot and Commercial Vehicle Refuelling outlet (CVRO). The site commenced operations in 1935, and ceased operations as a depot and CVRO with all fuel infrastructure removed in 2008. The zoning of the site is not anticipated to change in the near future.

Soil and groundwater impact associated with the historic site use, is present at the site. Documented infrastructure integrity issues involved leak and line failure was identified in 1998, the failed line was subsequently replaced and also a fuel tank was replaced.

Impacted soil was identified within depths between 0.3 metres below ground level (mbgl) to 3.0 mbgl around the former underground storage tank (UST) and CVRO within the eastern portion of the site and around former fuel pipelines and bridge discharger in the south-west portion of the site. The following maximum levels of contaminants have been identified in soil:

| Analyte  | Historical Maximum Concentration (mg/kg) |
|--|--|
| TRH C <sub>6</sub> - C <sub>9</sub> / C <sub>6</sub> - C <sub>10</sub>     | 2,800                                    |
| TRH C <sub>10</sub> - C <sub>14</sub> / >C <sub>10</sub> - C <sub>16</sub> | 10,200                                   |
| TRH C <sub>15</sub> - C <sub>28</sub> / >C <sub>16</sub> - C <sub>34</sub> | 12,100                                   |
| TRH C <sub>29</sub> - C <sub>36</sub> / >C <sub>34</sub> - C <sub>40</sub> | 260                                      |
| Benzene  | 18                                       |
| Toluene  | 410                                      |
| Ethylbenzene   | 92                                       |
| Xylenes  | 810                                      |
| Naphthalene  | 9.3                                      |
| Lead   | 550                                      |
| Benz(a)anthracene  | 0.1                                      |
| Benzo(b)fluoranthene   | 0.1                                      |
| Fluoranthene   | 7.4                                      |
| Fluorene   | 9.5                                      |
| Phenanthrene   | 2.8                                      |

Groundwater was encountered on the site from 2.8 mbgl to 5.5 mbgl and was found to be impacted by dissolved phase hydrocarbons in 20 groundwater monitoring wells across the site since monitoring began in October 1999. The following contaminants have been identified in groundwater:

| Analyte  | Historical Maximum Concentration (µg/kg) |
|--|--|
| TRH C <sub>6</sub> - C <sub>9</sub> / C <sub>6</sub> - C <sub>10</sub>     | 99 300                                   |
| TRH C <sub>10</sub> - C <sub>14</sub> / >C <sub>10</sub> - C <sub>16</sub> | 12,000                                   |
| TRH C <sub>15</sub> - C <sub>28</sub> / >C <sub>16</sub> - C <sub>34</sub> | 22,000                                   |
| TRH C <sub>29</sub> - C <sub>36</sub> / >C <sub>34</sub> - C <sub>40</sub> | 756                                      |
| Benzene  | 36 000                                   |
| Toluene  | 33 300                                   |
| Ethylbenzene   | 2 040                                    |
| Xylenes  | 14,800                                   |
| Naphthalene  | 270                                      |
| Lead   | 41                                       |

Soil vapour monitoring wells were installed at depths between 0.5 mbgl and 2.5 mbgl, adjacent to monitoring wells historically containing light non-aqueous phase liquid (LNAPL) in the southern and western portions of the site. The following maximum levels of contaminants have been identified in soil vapour:

| Analyte   | Historical Maximum Concentration (mg/m <sup>3</sup> ) |
|---|---|
| TPH C <sub>6</sub> - C <sub>10</sub>                    | 5 900   |
| TPH C <sub>6</sub> - C <sub>10</sub> less BTEX          | 5 600   |
| TPH >C <sub>10</sub> - C <sub>16</sub>                  | 60  |
| TPH >C <sub>10</sub> - C <sub>16</sub> less Naphthalene | 60  |
| Benzene   | 79  |
| Toluene   | 63  |
| Ethylbenzene  | 0.74  |
| Xylenes   | 119   |
| Naphthalene   | <0.1  |

Light Non-Aqueous Phase Liquid (LNAPL) has historically been detected within 14 groundwater monitoring wells, ranging in thickness from 0.001 m to 0.400 m. During the most recent investigation, conducted in September 2013, LNAPL was identified in one monitoring well (MW17) with a thickness of 0.089 m.

Figure 1 indicates the location of all decommissioned monitoring wells.

## 2.0 Objectives of the site management plan (SMP)

The purpose of this SMP is to manage contamination on the site in a manner that protects human health and the environment, when used for commercial/industrial use.

### **3.0 Management actions**

#### **3.1 Site use**

As of the 20<sup>th</sup> August 2014 the site is currently vacant with all infrastructure removed.

The site may be used for the following:

- On-going commercial land use (with no basements) with minimal opportunities for contact with soil or groundwater; and
- open space / recreational purposes.

#### **3.2 Responsibility**

The owner / and / or perpetual lease holder of the land (as defined in the *Environmental Protection (EP) Act 1994*) is to ensure that this SMP and any variations approved or required by the administering authority are complied with. The obligations and conditions set out in this SMP bind the owner, from time to time, of the land.

The owner must inform all persons involved in building design and planning and all contractors and lessees conducting building and/or excavation works with conditions of this SMP prior to commencement of works. All persons occupying or working on the site must comply with the requirements of the SMP.

#### **3.3 Service trenches**

Any future underground services must include the installation of adequate 'physical controls' e.g. vapour barrier and adequate seals for (in ground, and into building) pipework, between services and / or buildings and impacted soil to ensure that vapours do not enter building spaces.

Any future services must also be surrounded on all sides by a minimum of 0.3 m of clean fill to protect future maintenance workers from contact with potentially contaminated fill material. Clean fill must also be placed above any services through to the surface of the site to allow access to services while protecting maintenance workers (see *Section 3.4* for the assessment of soil for reuse as clean fill).

Health and Safety considerations should be observed with respect to confined spaces in trenches refer to *Section 3.6*.

#### **3.4 Soil excavation & removal**

If during any site earthworks or excavation, offensive or noxious odours and/or evidence of gross contamination not previously detected is observed, site works are to cease in that area and action taken to immediately abate the activities causing potential or actual environmental harm. Site works will not recommence until approval to recommence is received from the administering authority.

Soil excavated from the site must be assessed for constituents of potential concern prior to disposal or reuse. Representative sampling and analysis of soil from excavations in contaminated areas must be managed by a suitably qualified and experienced person in accordance with Section 381 of the EP Act 1994.

Contaminated soil must not be removed off site without a disposal permit in accordance with Section 424 of EP Act 1994 and any local and state requirements.

### **3.5 General environmental protection**

All earthworks are to be undertaken in accordance with general environmental protection measures to avoid unwanted migration and deposition of soil. These measures include the control of dust, noise, stormwater runoff, sediment, erosion, spillage from haulage trucks and odour releases involving the handling or movement of contaminated material.

If a loss of containment of petroleum products occurs a suitably qualified and experienced person should assess monitoring wells to determine if further monitoring is required.

### **3.6 Workplace health and safety**

A Workplace Health and Safety Plan (WH&S plan), which conforms to the requirements of the *Workplace Health and Safety Act 2011* is to be developed for any intrusive works at the site, or any works which have the potential to have direct contact with soil and/or groundwater in areas of known contamination. The H&S plan must also reference the relevant Model Codes of Practice and comply with *Section 305* of the *Workplace Health and Safety Regulation 2011*.

The WH&S plan must specifically address COPC and include development of appropriate exposure limits along with atmospheric monitoring and personal protective equipment (PPE) required for potential dermal contact with impacted materials and for potential inhalation of vapours.

### **3.7 Groundwater monitoring wells and abstraction**

The groundwater bearing unit beneath the site must not be used for abstraction purposes. Additionally, the installation of a registered groundwater bore is prohibited in order to prevent the potential cross contamination between the impacted groundwater bearing unit at the site and the deeper aquifer suitable for abstraction purposes in the region.

## **4.0 Monitoring and reporting actions**

### **4.1 Soil monitoring**

Prior to excavation works on site or shortly after, soil should be assessed for the COPC to determine if the proposed excavation material is contaminated.

### **4.2 Groundwater monitoring**

It is considered that no on-going groundwater monitoring is required under the current site use.

### **4.3 Soil vapour monitoring**

It is considered that no on-going soil vapour monitoring is required under the current site use.

### **4.4 Site excavations**

Records must be kept of all excavation on site including details of relevant disposal permits.

#### **4.5 Notification**

The administering authority is to be notified in writing within twenty two (22) business days of detection of contamination and advised of appropriate remedial action if required. Any remedial action is to be developed by an SQP.

#### **4.6 Administering authority access**

Authorised persons under the EP Act will be permitted access to non-residential areas of the site to collect environmental samples and assess compliance with the SMP should this be required.

#### **4.7 Monitoring records**

Any monitoring results and records of inspection in relation to this SMP will be kept for at least seven years and made available to the administering authority upon request within 24 hours.

#### **4.8 Version Control System**

Should changes be made to this document, the subsequent version should follow the version control system (an incremental increase the 'v' number).

The current version is 'Lot 24 on CP NK45\_Quilpie Depot\_SMP\_v1'.

The next version should be 'Lot 24 on CP NK45\_Quilpie Depot\_SMP\_v2'.

The version number should be documented on *Page 1* of this document.

*This SMP makes reference to a plan attachment that is attached as Figure 1 .This Site Management Plan (SMP) has been developed to manage site contamination risks present at the issue date. Subsequent uses of the site may result in the need to review the plan.*

Figure 1

Site Features Plan

Published on DES Disclosure Log  
RTI Act 2009



Published on Draft Site Safety Log

21-373

File A



**Queensland  
Government**

Level 7 400 George St Brisbane, Queensland GPO Box 2454  
Brisbane QLD 4001 AUSTRALIA  
Telephone (07) 3330 5685, Facsimile (07) 3330 5754  
[http://www.derm.qld.gov.au/environmental\\_management/land/contaminated\\_land/](http://www.derm.qld.gov.au/environmental_management/land/contaminated_land/)

29 February 2012

Site ID: 8709  
File Number:  
Enquiries to: [contaminated.land@derm.qld.gov.au](mailto:contaminated.land@derm.qld.gov.au)

The Chief Executive Officer  
Quilpie Shire Council  
PO Box 57  
**QUILPIE QLD 4480**

### NOTICE OF LAND LISTED ON THE ENVIRONMENTAL MANAGEMENT REGISTER

In accordance with section 374 of the *Environmental Protection Act 1994 (EP Act)* notice is given that the parcel of land described below has been listed on the Environmental Management Register (EMR).

Lot: 24 Plan: NK45  
BROLGA STREET  
**QUILPIE QLD 4480**

The parcel of land has been recorded on the EMR as, after careful consideration of submissions, it is decided that the land has been, or is being used, for the following notifiable activities pursuant to section 374 of the *EP Act*. Notifiable activities are mainly industrial/commercial activities that have been known to cause contamination of land and refer to both past and current activities.

**PETROLEUM PRODUCT OR OIL STORAGE** - storing petroleum products or oil -

- (a) in underground tanks with more than 200L capacity; or
- (b) in above ground tanks with -
  - (i) for petroleum products or oil in class 3 in packaging groups 1 and 2 of the dangerous goods code - more than 2, 500L capacity; or
  - (ii) for petroleum products or oil in class 3 in packaging groups 3 of the dangerous goods code - more than 5, 000L capacity; or
  - (iii) for petroleum products that are combustible liquids in class C1 or C2 in Australian Standard AS1940, 'The storage and handling of flammable and combustible liquids' published by Standards Australia - more than 25, 000L capacity.

Further information about contaminated land matters may be obtained by visiting our website at: [http://www.derm.qld.gov.au/environmental\\_management/land/contaminated\\_land/](http://www.derm.qld.gov.au/environmental_management/land/contaminated_land/).

Kelli Ready  
A/Director - Enforcement Services  
**BRISBANE**

Delegate of Administering Authority  
Environmental Protection Act 1994





**Queensland  
Government**

29 February 2012

Site ID: 8709  
File Number:  
Enquiries to: [contaminated.land@derm.qld.gov.au](mailto:contaminated.land@derm.qld.gov.au)

THE SHELL COMPANY OF AUSTRALIA LIMITED  
P O BOX 1456  
**BRISBANE QLD 4001**

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Quilpie Shire Council

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(i) for petroleum products or oil in class 3 in packaging groups 1 and 2 of the dangerous goods code - more than 2, 500L capacity; or

(ii) for petroleum products or oil in class 3 in packaging groups 3 of the dangerous goods code - more than 5, 000L capacity; or

(iii) for petroleum products that are combustible liquids in class C1 or C2 in Australian Standard AS1940, 'The storage and handling of flammable and combustible liquids' published by Standards Australia - more than 25, 000L capacity.

The owner may apply for a review of the decision to record the land in the EMR within 10 business days after receipt of this notice, in accordance with section 521 of the *EP Act*. If you decide to apply for a review you must, in accordance with section 521(3), also give notice to the local government that you are seeking a review. You must forward to the local government the following documents:

- a notice of the application (the "review notice");
- a copy of the application and supporting documents.

The review notice must inform the local government that submissions on the application may be made within 5 business days after the application is made to the DERM, as required by section 521(4) of the *EP Act*. A land owner dissatisfied with a review decision may appeal against the decision in accordance with section 531 of the *EP Act*. A copy of sections 521 and 531 is attached to this notice.

Please note that the listing of a site on the EMR does not imply that the DERM considers the site to be "contaminated", nor does it require that the land be investigated and remediated. The listing does not imply that this site is unsuitable for its current use, nor does it imply that you are in breach of any conditions set out in any existing Development Approval issued for this site. Remediation would be needed if there were evidence that the site presented an unacceptable health or environmental risk for its current use. In the event that the site is redeveloped, the DERM may require that remediation or management of any contamination be conducted to protect public health and the environment.

It should also be noted that, with the issuing of this Notice under section 374, the following requirements apply under section 421 of the *EP Act*.

If the owner proposes to dispose of the land to someone else, the owner must, before agreeing to dispose of the land, give written notice to the buyer that the particulars of the land have been recorded in the register.

Further information about contaminated land matters may be obtained by visiting our website at: [http://www.derm.qld.gov.au/environmental\\_management/land/contaminated\\_land/](http://www.derm.qld.gov.au/environmental_management/land/contaminated_land/).

Kelli Ready  
A/Director - Enforcement Services  
**BRISBANE**

Delegate of Administering Authority  
Environmental Protection Act 1994

Published on DES Disclosure Log  
RTI Act 2009

### Registered Site - Show Site

| Reg Site   | Comments   | Amend Log  | Categ. Hist  | Hist. Repos | Site Management | Show Docs |
|--|--|--|--|-------------|-----------------|-----------|
| Lot: <input type="text" value="24"/>   | Plan: <input type="text" value="NK45"/>                          | Category: <input type="text" value="PRO"/>             | CSR Cont Site ID: <input type="text" value="1-3"/> |             |                 |           |
| Local Authority: <input type="text" value="QUILPIE S.C."/>   | Entry Date: <input type="text" value="16/05/1994"/>              | MR Alter Date: <input type="text" value="10/11/1995"/> |  |             |                 |           |
| Site Name: <input type="text" value="SERVICE STATION - SHELL QUILPIE"/>  | Prescribed Purpose: <input type="text" value="SERVICE STATION"/> |  |  |             |                 |           |
| Location Street: <input type="text" value="BROLGA STREET"/>  |  |  |  |             |                 |           |
| Location Suburb: <input type="text" value="QUILPIE"/>  | Post Code: <input type="text" value="4480"/>                     |  |  |             |                 |           |
| Owner Address: <input type="text" value="THE SHELL COMPANY OF AUSTRALIA LIMITED"/>   |  |  |  |             |                 |           |
| <input type="text" value="P O BOX 1456"/>  |  |  |  |             |                 |           |
| <input type="text" value="BRISBANE"/>  |  |  |  |             |                 |           |
| <input type="text" value="QLD"/>   |  |  |  |             |                 |           |
| <input type="text" value=""/>  | Post Code: <input type="text" value="4001"/>                     |  |  |             |                 |           |
|  | Contsite File: <input type="text" value="0"/>                    | Officer: <input type="text" value="NIL"/>              |  |             |                 |           |
|  | Current Use: <input type="text" value="2231"/>                   | Past Use: <input type="text" value="2231"/>            |  |             |                 |           |
|  | DNR Parcel Status: <input type="text" value="C"/>                | Contaminant: <input type="text" value="UNK"/>          |  |             |                 |           |
|  | Prev Lot No: <input type="text" value="999"/>                    |  |  |             |                 |           |
|  | Prev Plan No: <input type="text" value="NCL1453"/>               |  |  |             |                 |           |
|  | Zoning: <input type="text" value="UNZ"/>                         | Area: <input type="text" value="0"/>                   |  |             |                 |           |
|  | UXO Region: <input type="text" value=""/>                        | Cont Grid Water: <input type="text" value="U"/>        |  |             |                 |           |
| Comments: <input type="text" value="NOTIFICATION BY SHIRE COUNCIL - 24.02.93 - CRATHIS INFORMATION PREVIOUSLY ENTERED INCORRECTLY AS MAROOCHY SHIRE COUNCIL - 080-0004. CORRECT RPD FROM COUNCIL - TABLE UPDATE RECEIVED 09.06.95.-14.06.95-DOH.// CORRECT PLAN IS NK45 - PREVIOUSLY RECORDED AS NCL1453.-10.11.95-DOH."/> |  |  |  |             |                 |           |
| Rec Status: <input type="text" value=""/>  | Deleted Reason: <input type="text" value=""/>                    |  |  |             |                 |           |
| Deleted Date: <input type="text" value=""/>  |  |  |  |             |                 |           |

### Registered Site - Show Site

[Reg Site](#)
[Comments](#)
[Amend Log](#)
[Categ. Hist](#)
[Hist. Repos](#)
[Site Management](#)
[Show Docs](#)

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[Page 2](#)

|                             |                            |                        |  |                    |            |     |      |
|-----------------------------|----------------------------|------------------------|--|--------------------|------------|-----|------|
| Lot:                        | 24                         | Plan:                  | NK45   | Rec Type:          | BP         | Id: | 8709 |
| Category:                   | MANAGED                    | Region:                |  | Hist. Id:          | 1-3        |     |      |
| LGA:                        | QUILPIE SHIRE COUNCIL      | AMA/AN:                |  |                    |            |     |      |
| Site Name:                  | FORMER SHELL DEPOT QUILPIE | Notified By:           | OWNER  | Notif Rec'd:       |            |     |      |
| Street:                     | BROLGA STREET              | Entry Date:            | 27/06/1998   | Last Altered Date: | 29/10/2014 |     |      |
| Suburb:                     | QUILPIE QLD                | Post Code:             | 4480   |                    |            |     |      |
| Owner:                      | VIVA ENERGY AUSTRALIA LTD  |                        |  |                    |            |     |      |
| Owner Address:              | PO BOX 872K                | Notifiable Activities: | 29 - PETROLEUM PRODUCT OR OIL STORAGE  |                    |            |     |      |
|                             | MELBOURNE VIC              |                        | 34 - SERVICE STATIONS  |                    |            |     |      |
|                             |                            | File:                  | BNE46402   | Officer:           | JOHNSA     |     |      |
|                             |                            | Offsite Disposal Date: |  | IPA Date:          |            |     |      |
| Parcel Status:              | C                          | Area:                  | 3996 m <sup>2</sup>  |                    |            |     |      |
| Site Inspection (SMP) Date: |                            | Ext Ref:               | Refer ERM Comprehensive Groundwater Monitoring Event (October 2011), and Infrastructure Removal Characterisation |                    |            |     |      |
| SMP Compliance Y/N:         |                            | Haz Cont:              | Concentrations of BTEX compounds and TPH in groundwater above screening levels.                                  |                    |            |     |      |

|                          |                          |
|--------------------------|--------------------------|
| <b>OFFICIAL USE ONLY</b> |                          |
| DATE RECEIVED            |                          |
|                          |                          |
| FILE REF                 |                          |
|                          |                          |
| PROJECT REF              |                          |
|                          |                          |
| COMPLETE FORM            | ACCOMPANYING INFORMATION |
| <input type="checkbox"/> | <input type="checkbox"/> |
| DATE                     |                          |
|                          |                          |

## Contaminated land work request

This checklist is used when a Right to Information (RTI) work request has been received within the Contaminated Land Unit (CLU).

The RTI work request will contain a document search request form **“the form”**.

The form will outline the scope of the RTI request.

If the form is incomplete, does not make sense, documents requested is unreasonable or more time is needed contact the RTI case manager.

The RTI case manager is responsible for the information contained within the form.

Otherwise, the registry team progresses the work request, completes the checklist sends to the Team Leader or above for review prior to final approval.

Examples of contaminated land information relevant to CLU may include:

- Contaminated Land Investigation reports.
- Site Management Plans.
- Notifications for listing land on the EMR/CLR.
- Soil Disposal applications and approvals
- emails relevant to applications made under the section.

Advice is provided in the guideline when completing the checklist.

This checklist must be signed by the person completing the work request and Team Leader or above.

| <p><b>Guide</b></p> <p>Provide details on the locations of the work request relates.</p>   | <p><b>CLU Register Team</b></p> <p>Lot on plan: Lot24 NK45</p> <p>EMR/CLR Site ID's: 8709</p> <p>RTI Request No: RTI21-373</p> <p>RTI Scope: Revised Scope: All documents pertaining to contamination and remediation activities relating to 81 Brolga Street, Quilpie, Queensland 4480 (Lot 42 on NK83) and 63 Brolga Street, Quilpie, Queensland 4480 (Lot 24 on NK45).</p> <p>Time period: 1 January 1995 to 19 May 2022</p>  |                   |          |  |  |  |  |  |  |  |  |  |  |
|--|--|-------------------|----------|--|--|--|--|--|--|--|--|--|--|
| <p>Provide details on the locations where information was sourced.</p> <p>Any contact with records management, time it took to get hard copy files or contact with RTI case manager provided details within the comments.</p> <p>There is no need to duplicate the same information.</p> | <p><b>Indicate by ticking all the relevant boxes whether any of the following information is available.</b></p> <table border="1"> <thead> <tr> <th data-bbox="560 943 986 1025">Information found</th> <th data-bbox="986 943 1449 1025">Comments</th> </tr> </thead> <tbody> <tr> <td data-bbox="560 1025 986 1153"> <input checked="" type="checkbox"/> Yes – EMR/CLR<br/> <input type="checkbox"/> No – EMR/CLR </td> <td data-bbox="986 1025 1449 1153"></td> </tr> <tr> <td data-bbox="560 1153 986 1346"> <input checked="" type="checkbox"/> Yes – EDOCS / historical records<br/> <input type="checkbox"/> No – EDOCS / historical records </td> <td data-bbox="986 1153 1449 1346">BNE46402 &amp; 900975 retrieved from archive</td> </tr> <tr> <td data-bbox="560 1346 986 1462"> <input type="checkbox"/> Yes – MECS<br/> <input checked="" type="checkbox"/> No – MECS </td> <td data-bbox="986 1346 1449 1462"></td> </tr> <tr> <td data-bbox="560 1462 986 1581"> <input checked="" type="checkbox"/> Yes – Contam land folder<br/> <input type="checkbox"/> No – Contam land folder </td> <td data-bbox="986 1462 1449 1581"></td> </tr> <tr> <td data-bbox="560 1581 986 1704"> <input type="checkbox"/> Yes – Emails<br/> <input checked="" type="checkbox"/> No – Emails </td> <td data-bbox="986 1581 1449 1704"></td> </tr> </tbody> </table> | Information found | Comments | <input checked="" type="checkbox"/> Yes – EMR/CLR<br><input type="checkbox"/> No – EMR/CLR |  | <input checked="" type="checkbox"/> Yes – EDOCS / historical records<br><input type="checkbox"/> No – EDOCS / historical records | BNE46402 & 900975 retrieved from archive | <input type="checkbox"/> Yes – MECS<br><input checked="" type="checkbox"/> No – MECS |  | <input checked="" type="checkbox"/> Yes – Contam land folder<br><input type="checkbox"/> No – Contam land folder |  | <input type="checkbox"/> Yes – Emails<br><input checked="" type="checkbox"/> No – Emails |  |
| Information found  | Comments   |                   |          |  |  |  |  |  |  |  |  |  |  |
| <input checked="" type="checkbox"/> Yes – EMR/CLR<br><input type="checkbox"/> No – EMR/CLR   |  |                   |          |  |  |  |  |  |  |  |  |  |  |
| <input checked="" type="checkbox"/> Yes – EDOCS / historical records<br><input type="checkbox"/> No – EDOCS / historical records   | BNE46402 & 900975 retrieved from archive   |                   |          |  |  |  |  |  |  |  |  |  |  |
| <input type="checkbox"/> Yes – MECS<br><input checked="" type="checkbox"/> No – MECS   |  |                   |          |  |  |  |  |  |  |  |  |  |  |
| <input checked="" type="checkbox"/> Yes – Contam land folder<br><input type="checkbox"/> No – Contam land folder   |  |                   |          |  |  |  |  |  |  |  |  |  |  |
| <input type="checkbox"/> Yes – Emails<br><input checked="" type="checkbox"/> No – Emails   |  |                   |          |  |  |  |  |  |  |  |  |  |  |

|   |  |
|---|--|
| <p>Provide details on the information provided and any other additional information to support the RTI.</p> | <p><b>Information provided / Additional information.</b></p> <p>All documents provided are within the scope and are only for Lot 24 NK45. Lot 42 NK83 has never been on the EMR/CLR and can confirm CLU do not hold any documents relating to this site.</p> |
|---|--|

**Register staff recommendation**

I recommend all contaminated land information has been checked and the work request has been addressed.

|   |                                      |
|---|--------------------------------------|
| REGISTRY OFFICER'S FULL NAME<br>Jackie Elia | POSITION<br>Customer Service Officer |
| DATE<br>23/06/2022                          |                                      |

**Team leader or above Work Request checklist**

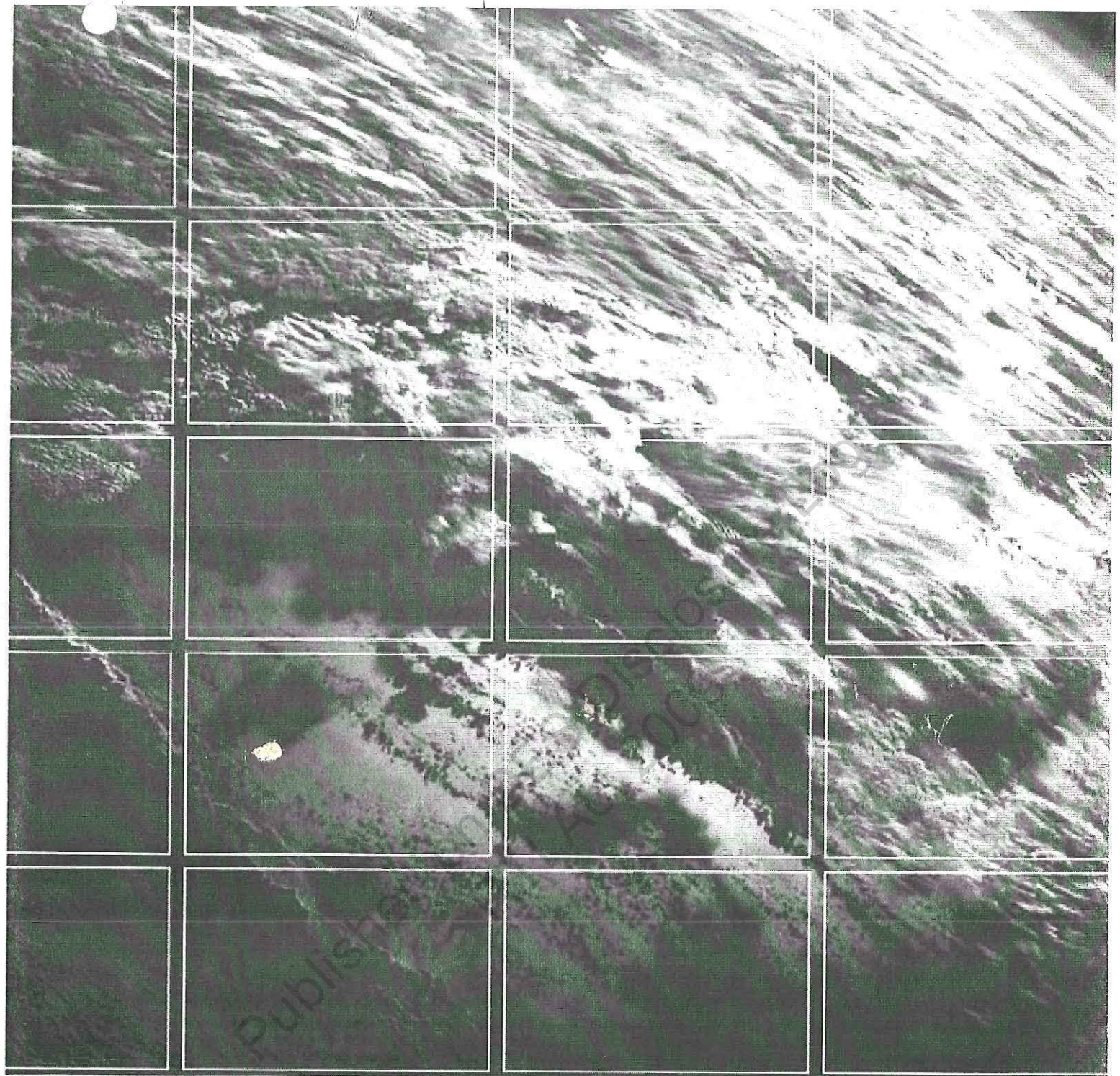
RTI email instructions checked.

RTI Access Application Request Document Search Request Form completed.

Note: Please submitted the above documents to the delegate for final approval.

I am satisfied the work request has been addressed.

|  |                         |
|--|-------------------------|
| PEER REVIEW FULL NAME<br>Bronwyn Cruse | POSITION<br>Team Leader |
| DATE<br>23/06/2022                     |                         |



# Infrastructure Removal Characterisation and Environmental Site Assessment Report

*Former Quilpie Depot*

*Brolga Street, Quilpie, QLD, 4480*

The Shell Company of Australia Limited

April 2009


Final





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**Queensland Government**  
Natural Resources and Water

**Supplied Data: Groundwater Data / 03<sup>rd</sup> June 2008**

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**GROUNDWATER DATABASE**  
**BORE CARD REPORT - PUBLISHABLE**

REG NUMBER 390

REGISTRATION DETAILS

|                       |                                      |                     |                                    |
|-----------------------|--------------------------------------|---------------------|------------------------------------|
| OFFICE Charleville    | BASIN 0112                           | LATITUDE 26-37-05   | MAP-SCALE 254                      |
| DATE LOG RECD         | SUB-AREA                             | LONGITUDE 144-15-44 | MAP-SERIES M                       |
| D/O FILE NO. V17 0274 | SHIRE 6150-QUILPIE                   | EASTING 227403      | MAP-NO SG55-9                      |
| R/O FILE NO. 561333   | LOT                                  | NORTHING 7052931    | MAP NAME QUILPIE                   |
| H/O FILE NO. L04841B  | PLAN                                 | ZONE 55             | PROG SECTION                       |
|                       | ORIGINAL DESCRIPTION BORE RESERVE 20 | ACCURACY            | PRES EQUIPMENT                     |
|                       |                                      | GPS ACC             |                                    |
| GIS LAT -26.618182012 | PARISH NAME 5162-WOORBIL             |                     | ORIGINAL BORE NO QUILPIE TOWN BORE |
| GIS LNG 144.26229913  | COUNTY NICKAVILLA                    |                     | BORE LINE -                        |
| CHECKED N             | PROPERTY NAME                        |                     | POLYGON                            |
|                       | FIELD LOCATION                       |                     | RN OF BORE REPLACE                 |
| FACILITY TYPE AF      | DATE DRILLED 07/10/1933              |                     | DATA OWNER                         |
| STATUS EX             | DRILLERS NAME                        |                     | CONFIDENTIAL                       |
| ROLES                 | DRILL COMPANY                        |                     |                                    |
|                       | METHOD OF CONST. CABLE TOOL          |                     |                                    |

CASING DETAILS

| PIPE | DATE       | RECORD NUMBER | MATERIAL DESCRIPTION         | MAT SIZE (mm) | SIZE DESC | OUTSIDE DIAM (mm) | TOP (m) | BOTTOM (m) |
|------|------------|---------------|------------------------------|---------------|-----------|-------------------|---------|------------|
| A    | 07/10/1933 | 1             | Steel Casing (unspecified)   |               | WT        | 254               | 0.00    | 66.40      |
| A    | 07/10/1933 | 2             | Steel Casing (unspecified)   |               | WT        | 203               | 0.00    | 177.10     |
| A    | 07/10/1933 | 3             | Steel Casing (unspecified)   |               | WT        | 152               | 0.00    | 899.80     |
| A    | 07/10/1933 | 4             | Perforated or Slotted Casing |               | AP        |                   | 878.50  | 900.00     |

STRATA LOG DETAILS

| RECORD NUMBER | STRATA TOP (m) | STRATA BOT (m) | STRATA DESCRIPTION |
|---------------|----------------|----------------|--------------------|
| 1             | 0.00           | 1.22           | RED SOIL           |
| 2             | 1.22           | 38.10          | ROCK               |
| 3             | 38.10          | 80.16          | CLAY               |
| 4             | 80.16          | 96.93          | SHALE              |
| 5             | 96.93          | 118.26         | CLAY               |

DATE 03/06/2008

BORE CARD REPORT - PUBLISHABLE

REG NUMBER 390

| RECORD NUMBER | STRATA TOP (m) | STRATA BOT (m) | STRATA DESCRIPTION      |
|---------------|----------------|----------------|-------------------------|
| 6             | 118.26         | 166.12         | SHALE                   |
| 7             | 166.12         | 289.56         | CLAY WITH HARD STREAKS  |
| 8             | 289.56         | 449.58         | SHALE WITH HARD STREAKS |
| 9             | 449.58         | 452.63         | SANDSTONE SAND          |
| 10            | 452.63         | 480.06         | CLAY                    |
| 11            | 480.06         | 601.37         | SHALE                   |
| 12            | 601.37         | 614.78         | LIMESTONE SHALE         |
| 13            | 614.78         | 731.22         | SHALE                   |
| 14            | 731.22         | 734.57         | SANDSTONE SAND          |
| 15            | 734.57         | 798.58         | CLAY                    |
| 16            | 798.58         | 801.62         | SANDSTONE QUARTZ        |
| 17            | 801.62         | 841.25         | CLAY AND SAND           |
| 18            | 841.25         | 852.53         | SANDROCK                |
| 19            | 852.53         | 858.01         | CLAY                    |
| 20            | 858.01         | 873.25         | SANDROCK                |
| 21            | 873.25         | 882.40         | CLAY                    |
| 22            | 882.40         | 899.77         | SANDROCK, SANDSTONE     |

STRATIGRAPHY DETAILS

| SOURCE | RECORD NUMBER | STRATA TOP (m) | STRATA BOT (m) | STRATA DESCRIPTION   |
|--------|---------------|----------------|----------------|----------------------|
| DNR    | 1             | 0.00           |                | ALLUVIUM             |
| DNR    | 2             |                | 30.50          | TERTIARY SEDIMENTS   |
| DNR    | 3             | 30.50          |                | WINTON FORMATION     |
| DNR    | 4             |                |                | MACKUNDA FORMATION   |
| DNR    | 5             |                | 440.10         | ALLARU MUDSTONE      |
| DNR    | 6             | 440.10         | 449.60         | TOOLEBUC FORMATION   |
| DNR    | 7             | 449.60         |                | COREENA MEMBER       |
| DNR    | 8             |                | 731.20         | DONCASTER MEMBER     |
| DNR    | 9             | 731.20         | 749.80         | WYANDRA SANDSTONE    |
| DNR    | 10            | 749.80         | 823.00         | CADNA-OWIE FORMATION |

BORE CARD REPORT - PUBLISHABLE

REG NUMBER 390

| SOURCE | RECORD NUMBER | STRATA TOP (m) | STRATA BOT (m) | STRATA DESCRIPTION |
|--------|---------------|----------------|----------------|--------------------|
| DNR    | 11            | 823.00         | 899.80         | HOORAY SANDSTONE   |

AQUIFER DETAILS

| REC | TOP BED(M) | BOTTOM BED(M) | BED LITHOLOGY | DATE | SWL (m) | FLOW | QUALITY | YIELD (l/s) | CTR | CONDIT | FORMATION NAME       |
|-----|------------|---------------|---------------|------|---------|------|---------|-------------|-----|--------|----------------------|
| 1   | 27.40      |               | SDST          |      |         |      |         |             |     | PS     | TERTIARY SEDIMEFORM  |
| 2   | 64.00      |               | SHLE          |      |         |      |         |             |     | FR     | WINTON FORMATIOFORM  |
| 3   | 94.50      |               | SHLE          |      |         |      |         |             |     | FR     | WINTON FORMATIOFORM  |
| 4   | 143.30     |               | SHLE          |      |         |      |         |             |     | FR     | WINTON FORMATIOFORM  |
| 5   | 213.40     |               | SHLE          |      |         |      |         |             |     | FR     | WINTON FORMATIOFORM  |
| 6   | 449.60     |               | SDST          |      |         |      |         |             |     | PS     | COREENA MEMBER MEMB  |
| 7   | 731.50     |               | SDST          |      |         |      |         |             |     | PS     | WYANDRA SANDSTONMEMB |
| 8   | 824.50     | 826.60        | SDST          |      |         |      |         |             |     | PS     | HOORAY SANDSTONFORM  |
| 9   | 843.10     | 852.50        | SDST          |      |         |      |         |             |     | PS     | HOORAY SANDSTONFORM  |
| 10  | 861.10     | 873.30        | SDST          |      |         |      |         |             |     | PS     | HOORAY SANDSTONFORM  |
| 11  | 885.40     | 886.90        | SDST          |      |         |      |         |             |     | PS     | HOORAY SANDSTONFORM  |
| 12  | 890.00     |               | SDST          |      |         |      |         |             |     | PS     | HOORAY SANDSTONFORM  |
| 13  | 893.10     |               | SDST          |      |         |      |         |             |     | PS     | HOORAY SANDSTONFORM  |

PUMP TEST DETAILS PART 1

\*\*\*\* NO RECORDS FOUND \*\*\*\*

PUMP TEST DETAILS PART 2

\*\*\*\* NO RECORDS FOUND \*\*\*\*

BORE CONDITION

| DATE | DRAIN DETAILS |                    | HEADWORKS    |       |       |      | FLOW IRREGULARITY | PRECIPITATE | EST USE (ML/yr) | STOCK  |       | COMMENT |
|------|---------------|--------------------|--------------|-------|-------|------|-------------------|-------------|-----------------|--------|-------|---------|
|      | TOT LEN (km)  | MAX C RUN D (km) N | RET LEN (km) | C D N | C T L | LEAK |                   |             |                 | CATTLE | SHEEP |         |

GROUNDWATER DATABASE

DATE 03/06/2008

BORE CARD REPORT - PUBLISHABLE

REG NUMBER 390

29/08/1960 G P  
 30/08/1960  
 08/10/1975  
 14/11/1985

Bore has only 4" discharge.  
 Report on generator etc. on File 65.

water distribution through town mains for domestic supply. Mains open ended and partial bore blow runs 2 drains to Paroo River on town common, requirements - remove and fit new headworks to eliminate lead packer, threaded gun metal flange and casing joint, rotted casing inside 254mm casing shroud. Cement 152.4mm to 203.2mm casing annulus. Incorporate in new headworks provision for connecting testing apparatus without disturbing town reticulation connecting gear.

ELEVATION DETAILS

| PIPE | DATE      | ELEVATION | PRECISION | DATUM | MEASUREMENT POINT | SURVEY SOURCE |
|------|-----------|-----------|-----------|-------|-------------------|---------------|
| X    | 13/SEP/74 | 197.00    | SVY       | STD   | N                 |               |

WATER ANALYSIS PART 1

| PIPE | DATE       | RD ANALYST | QAN    | DEPT H (m) | RMK | SRC | COND (uS/cm) | pH  | Si (mg/L) | TOTAL IONS (mg/L) | TOTAL SOLIDS (mg/L) | HARD | ALK | FIG. OF MERIT | SAR  | RAH  |
|------|------------|------------|--------|------------|-----|-----|--------------|-----|-----------|-------------------|---------------------|------|-----|---------------|------|------|
| A    | 03/03/1976 | 1 GCL      | 066622 |            | PU  | GB  | 950          | 8.2 |           | 724.20            | 0.00                | 12   | 339 | 0.0           | 27.5 | 6.54 |
| A    | 24/04/1981 | 1 GCL      | 089759 |            | MA  | GR  | 925          | 8.6 | 43        | 705.70            | 549.95              | 7    | 336 | 0.0           | 34.6 | 6.58 |
| A    | 14/11/1985 | 1 GCL      | 112346 | 900.00     | PU  | GB  | 900          | 8.7 | 36        | 679.32            | 529.80              | 5    | 321 | 0.0           | 38.0 | 6.31 |
| X    | 01/09/1986 | 1 GCL      | 115676 | 900.00     | PU  | GB  | 900          | 8.1 | 37        | 737.12            | 563.18              | 7    | 346 | 0.0           | 35.8 | 6.79 |
| X    | 01/09/1986 | 2 GCL      | 115677 | 900.00     | PU  | GB  | 880          | 8.2 | 36        | 723.82            | 553.96              | 6    | 339 | 0.0           | 39.0 | 6.67 |

WATER ANALYSIS PART 2

| PIPE | DATE       | RD | Na    | K   | Ca  | Mg  | Mn   | HCO3  | Fe   | CO3  | Cl   | F    | NO3 | SO4 | Zn | Al | B | Cu |
|------|------------|----|-------|-----|-----|-----|------|-------|------|------|------|------|-----|-----|----|----|---|----|
| A    | 03/03/1976 | 1  | 216.0 | 2.2 | 4.0 | 0.4 |      | 405.0 |      | 4.1  | 88.0 | 1.30 |     | 3.2 |    |    |   |    |
| A    | 24/04/1981 | 1  | 205.0 | 2.0 | 2.5 | 0.1 |      | 391.0 |      | 9.3  | 85.0 | 1.80 | 0.0 | 9.0 |    |    |   |    |
| A    | 14/11/1985 | 1  | 200.0 | 2.2 | 2.1 | 0.0 | 0.01 | 365.0 | 0.01 | 13.0 | 87.0 | 1.70 | 0.5 | 7.8 |    |    |   |    |
| X    | 01/09/1986 | 1  | 210.0 | 2.5 | 2.6 | 0.0 | 0.01 | 415.0 | 0.01 | 3.5  | 93.0 | 1.60 | 0.5 | 8.4 |    |    |   |    |
| X    | 01/09/1986 | 2  | 210.0 | 2.4 | 2.2 | 0.0 | 0.01 | 405.0 | 0.01 | 4.4  | 88.0 | 1.60 | 0.5 | 9.7 |    |    |   |    |

21-373

File A

BORE CARD REPORT - PUBLISHABLE

REG NUMBER 390

|      |            |             |     |     | <u>WATER LEVEL DETAILS</u> |      |            |             |     |     |     |      |      |             |     |     |     |
|------|------------|-------------|-----|-----|----------------------------|------|------------|-------------|-----|-----|-----|------|------|-------------|-----|-----|-----|
| PIPE | DATE       | MEASURE (m) | N/R | RMK | LOG                        | PIPE | DATE       | MEASURE (m) | N/R | RMK | LOG | PIPE | DATE | MEASURE (m) | N/R | RMK | LOG |
| X    | 13/09/1974 | 85.80       |     | N   |                            | X    | 20/11/1985 | 85.08       |     | N   |     |      |      |             |     |     |     |

WIRE LINE LOG DETAILS

\*\*\*\* NO RECORDS FOUND \*\*\*\*

FIELD MEASUREMENTS

| PIPE | DATE       | DEPTH (m) | COND (uS/cm) | pH | TEMP (C) | NO3 (mg/L) | DO (mg/L) | Eh (mV) | METH | SOURCE |
|------|------------|-----------|--------------|----|----------|------------|-----------|---------|------|--------|
| A    | 07/10/1933 |           |              |    | 75.0     |            |           |         | PU   | GB     |
| A    | 14/11/1938 |           |              |    | 75.0     |            |           |         | PU   | GB     |
| A    | 29/10/1941 |           |              |    | 75.0     |            |           |         | PU   | GB     |
| A    | 13/09/1948 |           |              |    | 75.0     |            |           |         | PU   | GB     |
| A    | 29/08/1960 |           |              |    | 75.0     |            |           |         | PU   | GB     |
| A    | 30/03/1965 |           |              |    | 73.0     |            |           |         | PU   | GB     |
| A    | 08/10/1975 |           |              |    | 73.5     |            |           |         |      |        |
| A    | 12/05/1981 |           |              |    | 73.0     |            |           |         | PU   | GB     |
| A    | 20/11/1985 |           |              |    | 75.0     |            |           |         | PU   | GB     |

SPECIAL WATER ANALYSIS

\*\*\*\* NO RECORDS FOUND \*\*\*\*

VALIDATION LOG - PART 1

| REGDET       | CASING       | STRLOG       | AQUIFR       | PUMTES       | ELVDET       | WLVDDET      | FIELDQ       |
|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Y 26/11/1990 | Y 26/11/1990 | Y 20/11/2000 | Y 26/11/1990 | Y 26/11/1990 | Y 26/11/1990 | Y 26/11/1990 | Y 26/11/1990 |

VALIDATION LOG - PART 2

| WATANL       | SAMPLE | STRTIG       | WIRLOG | MULCND       | BRCND | FPREAD | GNOTES |
|--------------|--------|--------------|--------|--------------|-------|--------|--------|
| Y 26/11/1990 |        | Y 26/11/1990 |        | Y 26/11/1990 |       |        |        |

GENERAL NOTES

DATE 03/06/2008

BORE CARD REPORT - PUBLISHABLE

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REG NUMBER 390

\*\*\*\* NO RECORDS FOUND \*\*\*\*

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BORE CARD REPORT - PUBLISHABLE

REG NUMBER 116117

REGISTRATION DETAILS

|                       |                          |                     |  |
|-----------------------|--------------------------|---------------------|--|
| OFFICE Charleville    | BASIN 0112               | LATITUDE 26-37-03   | MAP-SCALE 254                          |
| DATE LOG RECD         | SUB-AREA                 | LONGITUDE 144-16-12 | MAP-SERIES N                           |
| D/O FILE NO. V17 0274 | SHIRE 6150-QUILPIE       | EASTING 228169      | MAP-NO SG55-9                          |
| R/O FILE NO.          | LOT 1                    | NORTHING 7053003    | MAP NAME QUILPIE                       |
| H/O FILE NO.          | PLAN Q68042              | ZONE 55             | PROG SECTION                           |
|                       | ORIGINAL DESCRIPTION     | ACCURACY SKET       | PRES EQUIPMENT                         |
|                       |                          | GPS ACC             |  |
| GIS LAT -26.617706064 | PARISH NAME 5162-WOORBIL |                     | ORIGINAL BORE NO NEW QUILPIE TOWN BORE |
| GIS LNG 144.269975427 | COUNTY NICKAVILLA        |                     | BORE LINE -                            |
| CHECKED Y             | PROPERTY NAME            |                     |  |
|                       | FIELD LOCATION           |                     | POLYGON                                |
| FACILITY TYPE AF      | DATE DRILLED             |                     | RN OF BORE REPLACE                     |
| STATUS PR             | DRILLERS NAME            |                     | DATA OWNER                             |
| ROLES WS              | DRILL COMPANY            |                     | CONFIDENTIAL                           |
|                       | METHOD OF CONST.         |                     |  |

CASING DETAILS

\*\*\*\* NO RECORDS FOUND \*\*\*\*

STRATA LOG DETAILS

\*\*\*\* NO RECORDS FOUND \*\*\*\*

STRATIGRAPHY DETAILS

\*\*\*\* NO RECORDS FOUND \*\*\*\*

AQUIFER DETAILS

\*\*\*\* NO RECORDS FOUND \*\*\*\*

PUMP TEST DETAILS PART 1

\*\*\*\* NO RECORDS FOUND \*\*\*\*

PUMP TEST DETAILS PART 2

\*\*\*\* NO RECORDS FOUND \*\*\*\*



DATE 03/06/2008

BORE CARD REPORT - PUBLISHABLE

REG NUMBER 116117

BORE CONDITION

\*\*\*\* NO RECORDS FOUND \*\*\*\*

ELEVATION DETAILS

\*\*\*\* NO RECORDS FOUND \*\*\*\*

WATER ANALYSIS PART1

\*\*\*\* NO RECORDS FOUND \*\*\*\*

WATER ANALYSIS PART 2

\*\*\*\* NO RECORDS FOUND \*\*\*\*

WATER LEVEL DETAILS

\*\*\*\* NO RECORDS FOUND \*\*\*\*

WIRE LINE LOG DETAILS

\*\*\*\* NO RECORDS FOUND \*\*\*\*

FIELD MEASUREMENTS

\*\*\*\* NO RECORDS FOUND \*\*\*\*

SPECIAL WATER ANALYSIS

\*\*\*\* NO RECORDS FOUND \*\*\*\*

VALIDATION LOG - PART 1

\*\*\*\* NO RECORDS FOUND \*\*\*\*

VALIDATION LOG - PART 2

\*\*\*\* NO RECORDS FOUND \*\*\*\*

GENERAL NOTES

\*\*\*\* NO RECORDS FOUND \*\*\*\*

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**\*\* End of Report \*\***

0081610  
QUILPIE

**QLD ENVIRONMENTAL PROTECTION AGENCY**  
**ENVIRONMENTAL MANAGEMENT REGISTER (EMR)**  
**CONTAMINATED LAND REGISTER (CLR)**

Transaction ID: 1123545      EMR Site Id: 8709      07 April 2009  
This response relates to a search request received for the site:  
Lot: 24      Plan: NK45

**EMR RESULT**

The above site IS included on the Environmental Management Register.  
Lot: 24      Plan: NK45  
Address: BROLGA STREET  
            QUILPIE      4480

The site has been subject to the following Notifiable Activity pursuant to section 374 of the *Environmental Protection Act 1994*.  
SERVICE STATIONS - operating a commercial service station.

**CLR RESULT**

The above site is NOT included on the Contaminated Land Register.

**ADDITIONAL ADVICE**

EMR/CLR Searches may be conducted online through the State Government Website [www.smartservice.qld.gov.au](http://www.smartservice.qld.gov.au) or Citec Confirm [www.confirm.com.au](http://www.confirm.com.au).

If you have any queries in relation to this search please phone (07) 3227 7370.

Lindi Bowen  
Registrar, Contaminated Land Unit

0081610  
 QUILPIE

**QLD ENVIRONMENTAL PROTECTION AGENCY**  
**ENVIRONMENTAL MANAGEMENT REGISTER (EMR)**  
**CONTAMINATED LAND REGISTER (CLR)**

Transaction ID: 1123551      EMR Site Id: 35880      07 April 2009  
 This response relates to a search request received for the site:  
 Lot: 52                      Plan: SP143312

**EMR RESULT**

The above site IS included on the Environmental Management Register.  
 The site you have searched has been subdivided from the following site, which is included on the EMR. Subdivided new parcels will remain on the EMR unless it can be shown that they are not located near the contaminating activity.

Lot: 1                      Plan: RP856290  
 Address: BROLGA STREET  
    QUILPIE                      4480

The site has been subject to the following Notifiable Activity pursuant to section 374 of the *Environmental Protection Act 1994*.  
 RAILWAY YARDS - operating a railway yard including goods-handling yards, workshops and maintenance areas.

**CLR RESULT**

The above site is NOT included on the Contaminated Land Register.

**ADDITIONAL ADVICE**

EMR/CLR Searches may be conducted online through the State Government Website [www.smartservice.qld.gov.au](http://www.smartservice.qld.gov.au) or Citec Confirm [www.confirm.com.au](http://www.confirm.com.au).

If you have any queries in relation to this search please phone (07) 3227 7370.

Lindi Bowen  
 Registrar, Contaminated Land Unit

0081610

QUILPIE

QLD ENVIRONMENTAL PROTECTION AGENCY  
ENVIRONMENTAL MANAGEMENT REGISTER (EMR)  
CONTAMINATED LAND REGISTER (CLR)

Transaction ID: 1123553 EMR Site Id: 35882 07 April 2009  
This response relates to a search request received for the site:  
Lot: 61 Plan: SP143312

**EMR RESULT**

The above site IS included on the Environmental Management Register.  
The site you have searched has been subdivided from the following site, which is included on the EMR. Subdivided new parcels will remain on the EMR unless it can be shown that they are not located near the contaminating activity.

Lot: 1 Plan: RP856290  
Address: BROLGA STREET  
QUILPIE 4480

The site has been subject to the following Notifiable Activity pursuant to section 374 of the *Environmental Protection Act 1994*.  
RAILWAY YARDS - operating a railway yard including goods-handling yards, workshops and maintenance areas.

**CLR RESULT**

The above site is NOT included on the Contaminated Land Register.

**ADDITIONAL ADVICE**

EMR/CLR Searches may be conducted online through the State Government Website [www.smartservice.qld.gov.au](http://www.smartservice.qld.gov.au) or Citec Confirm [www.confirm.com.au](http://www.confirm.com.au).

If you have any queries in relation to this search please phone (07) 3227 7370.

Lindi Bowen  
Registrar, Contaminated Land Unit

Annex D

Laboratory Analytical  
Reports and Chain of  
Custody Information

Published on DES Disclosure Log  
RTI Act 2009

## Sample Receipt Advice

Company name: ERM-Queensland  
Contact name: sch4p4( 6) Personal informat  
Client job number: QUILPIE DEPOT - 0081610  
COC number: 1654-58  
Turn around time: Five day  
Date received: Oct 23, 2008  
MGT lab reference: 235919

### Sample information

- All samples have been received as described on the above COC.
- COC has been completed correctly.
- All samples were provided chilled.
- Appropriately preserved sample containers have been used.
- All samples were received in good condition.
- Samples have been provided with adequate time to commence analysis in accordance with the relevant holding times.

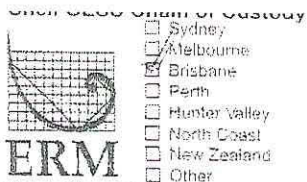
### Contact notes

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

sch4p4( 6) Personal in on the above number or by e.mail: sch4p4( 6) Personal information

Results will be delivered electronically via e.mail to sch4p4( 6) Personal inform  
sch4p4( 6) Personal information

## mgt Sample Receipt



Gind Floor, 33 Saunders Street, Pyrmont, NSW, 2009 (ph) 02 8584 8888 (fax) 02 8584 8800  
 Level 3, Yarra Tower, WTC, 18-36 Siddaley Street, Docklands, VIC, 3005. (ph) 03 9696 8011 (fax) 03 9696 8022  
 Level 1, 60 Leichhardt Street, Spring Hill, QLD, 4004. (ph) 07 3839 8393 (fax) 07 3839 8381  
 PO Box 7338, Cloisters Square, WA, 6850. (ph) 08 9321 5200 (fax) 08 9321 5262  
 53 Bonville Avenue, Thornton, NSW, 2322 (ph) 02 4964 2150 (fax) 02 4964 2152  
 Suite 3/146 Gordon Street, Port Macquarie, NSW, 2444 (ph) 02 8584 7155 (fax) 02 6584 7160  
 PO Box 105234, Auckland City 1143 (ph) +64 9303 4664 (fax) +64 9303 3254

Project No: 0081610  
 Project Name: Quilbic Depot  
 Project Location: Broken Street Quilbic  
 Project Manager: sch4p4 (6) Personal informati  
 Sampler: sch4p4 (6) Personal informati

COC Number  
**A 1654**  
 Laboratory

General Analysis Requirements Yes (tick)

1. Turn Around Time (please tick.  1 Day  2 Days  Normal TAT)  
 2. Laboratory to filter samples?

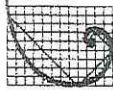
| Shell Network ID Number | Sample ID    | Sample Date | Sample Time | Matrix |       |       |     | Preservation |        |       |        | Containers (number/type) | Type I  | Type II  | Type III | Type IV | Type V  | Type VI  | Type VII  | Type VIII | Grain Size Distribut. | Frac. Organic Carbon | TPH Speciation | TCLP Analysis | BTEX | TPH C <sub>10</sub> | Alkalinity | CO <sub>2</sub> | Methane | Manganese | Asbestos | Other Comments on sample (eg. high voc, highly contaminated, special detection limits etc) |  |  |  |  |
|-------------------------|--------------|-------------|-------------|--------|-------|-------|-----|--------------|--------|-------|--------|--------------------------|---------|----------|----------|---------|---------|----------|-----------|-----------|-----------------------|----------------------|----------------|---------------|------|---------------------|------------|-----------------|---------|-----------|----------|--|--|--|--|--|
|                         |              |             |             | S/S    | Water | Other | Ice | Acid         | Filter | Other | Type I |                          | Type II | Type III | Type IV  | Type V  | Type VI | Type VII | Type VIII |           |                       |                      |                |               |      |                     |            |                 |         |           |          |  |  |  |  |  |
| A632                    | SB01_0.2-1.0 |             |             |        |       |       |     |              |        |       |        |                          |         |          |          |         |         |          |           |           |                       |                      |                |               |      |                     |            |                 |         |           |          |  |  |  |  |  |
| A632                    | MW01         |             |             |        |       |       |     |              |        |       |        |                          |         |          |          |         |         |          |           |           |                       |                      |                |               |      |                     |            |                 |         |           |          |  |  |  |  |  |
| CCM1042                 | SB1-0.1-0.2  | 14/10       |             | X      |       |       | X   |              |        |       |        |                          | X       | X        |          |         |         |          |           |           |                       |                      |                |               |      |                     |            |                 |         |           |          |  |  |  |  |  |
| CCM1042                 | SB1-0.5-0.6  | 14/10       |             | X      |       |       | X   |              |        |       |        |                          | X       | X        |          |         |         |          |           |           |                       |                      |                |               |      |                     |            |                 |         |           |          |  |  |  |  |  |
| CCM1042                 | SB1-1.0-1.1  | 14/10       |             | X      |       |       | X   |              |        |       |        |                          | X       | X        | X        |         |         |          |           |           |                       |                      |                |               |      |                     |            |                 |         |           |          |  |  |  |  |  |
| CCM1042                 | SB1-2.0-2.1  | 14/10       |             | X      |       |       | X   |              |        |       |        |                          | X       | X        |          |         |         |          |           |           |                       |                      |                |               |      |                     |            |                 |         |           |          |  |  |  |  |  |
| CCM1042                 | SB1-3.0-3.1  | 14/10       |             | X      |       |       | X   |              |        |       |        |                          | X       | X        |          |         |         |          |           |           |                       |                      |                |               |      |                     |            |                 |         |           |          |  |  |  |  |  |
| CCM1042                 | SB1-4.0-4.1  | 14/10       |             | X      |       |       | X   |              |        |       |        |                          | X       | X        |          |         |         |          |           |           |                       |                      |                |               |      |                     |            |                 |         |           |          |  |  |  |  |  |
| CCM1042                 | SB1-5.0-5.1  | 14/10       |             | X      |       |       | X   |              |        |       |        |                          | X       | X        |          |         |         |          |           |           |                       |                      |                |               |      |                     |            |                 |         |           |          |  |  |  |  |  |
| CCM1042                 | SB1-6.0-6.1  | 14/10       |             | X      |       |       | X   |              |        |       |        |                          | X       | X        |          |         |         |          |           |           |                       |                      |                |               |      |                     |            |                 |         |           |          |  |  |  |  |  |
| CCM1042                 | SB2-0.1-0.2  | 14/10       |             | X      |       |       | X   |              |        |       |        |                          | X       | X        |          |         |         |          |           |           |                       |                      |                |               |      |                     |            |                 |         |           |          |  |  |  |  |  |
| CCM1042                 | SB2-0.5-0.6  | 14/10       |             | X      |       |       | X   |              |        |       |        |                          | X       | X        |          |         |         |          |           |           |                       |                      |                |               |      |                     |            |                 |         |           |          |  |  |  |  |  |
| CCM1042                 | SB2-1.0-1.1  | 14/10       |             | X      |       |       | X   |              |        |       |        |                          | X       | X        |          |         |         |          |           |           |                       |                      |                |               |      |                     |            |                 |         |           |          |  |  |  |  |  |
| CCM1042                 | SB2-2.0-2.1  | 14/10       |             | X      |       |       | X   |              |        |       |        |                          | X       | X        |          |         |         |          |           |           |                       |                      |                |               |      |                     |            |                 |         |           |          |  |  |  |  |  |
| CCM1042                 | SB2-3.0-3.1  | 14/10       |             | X      |       |       | X   |              |        |       |        |                          | X       | X        |          |         |         |          |           |           |                       |                      |                |               |      |                     |            |                 |         |           |          |  |  |  |  |  |
| CCM1042                 | SB2-4.0-4.1  | 14/10       |             | X      |       |       | X   |              |        |       |        |                          | X       | X        |          |         |         |          |           |           |                       |                      |                |               |      |                     |            |                 |         |           |          |  |  |  |  |  |
| CCM1042                 | SB2-5.0-5.1  | 14/10       |             | X      |       |       | X   |              |        |       |        |                          | X       | X        |          |         |         |          |           |           |                       |                      |                |               |      |                     |            |                 |         |           |          |  |  |  |  |  |
| CCM1042                 | SB2-5.9-6.0  | 14/10       |             | X      |       |       | X   |              |        |       |        |                          | X       | X        |          |         |         |          |           |           |                       |                      |                |               |      |                     |            |                 |         |           |          |  |  |  |  |  |
| CCM1042                 | SB3-0.1-0.2  | 15/10       |             | X      |       |       | X   |              |        |       |        |                          | X       | X        |          |         |         |          |           |           |                       |                      |                |               |      |                     |            |                 |         |           |          |  |  |  |  |  |
| CCM1042                 | SB3-0.5-0.6  | 15/10       |             | X      |       |       | X   |              |        |       |        |                          | X       | X        |          |         |         |          |           |           |                       |                      |                |               |      |                     |            |                 |         |           |          |  |  |  |  |  |

Comments: Mail results to Project Manager and to au.projectgess@erm.com. Use Shell GESS contract pricing. Sample bottles mislabeled, job number for all is 0081610.  Ship via MGT Courier (TNT Account # 20744136)  Other Shipment method

Relinquished by: sch4p4 (6) Personal informati Signed: sch4p4 (6) Personal inform Date/Time: 19/10/08 Received by: MGT (Reper # 235919) Date/Time: 23/10/08

Relinquished by: 21-373 Signed: File A Date/Time: Received by: Page 32 of 56 Date/Time:





ERM

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- Melbourne
- Brisbane
- Perth
- Hunter Valley
- North Coast
- New Zealand
- Other

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 Level 1, 60 Leichhardt Street, Spring Hill, QLD, 4004. (ph) 07 3839 8393 (fax) 07 3839 8381  
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 Suite 3/146 Gordon Street, Port Macquarie, NSW, 2444. (ph) 02 6584 7155 (fax) 02 6584 7160  
 PO Box 106234, Auckland City 1143. (ph) +64 9303 4664 (fax) +64 9303 3254

Project No: 0081610

Project Name: Quilpie Depot

Project Location: Brothurst, Quilpie

Project Manager: sch4p4 (6) Personal information

Sampler: sch4p4 (6) Personal information

COC Number

A 1655

Laboratory

General Analysis Requirements

Yes (tick)

1. Turn Around Time (please tick:  1 Day  2 Days  Normal TAT)

2. Laboratory to filter samples?

| Shell Network ID Number | Sample ID     | Sample Date | Sample Time | Matrix |       |       | Preservation |      |        | Containers (number/type) | Type I | Type II | Type III | Type IV  | Type V  | Type VI | Type VII | Type VIII | Grain Size Distribut. | Frac. Organic Carbon | TPH Speciation | TCLP Analysis | BTEX | TPH C <sub>6</sub> | Alkalinity | CO <sub>2</sub> | Methane | Manganese | Asbestos | TOI | Other Comments on samp (eg. high voc, highly contaminated, special detection limits etc) |           |
|-------------------------|---------------|-------------|-------------|--------|-------|-------|--------------|------|--------|--------------------------|--------|---------|----------|----------|---------|---------|----------|-----------|-----------------------|----------------------|----------------|---------------|------|--------------------|------------|-----------------|---------|-----------|----------|-----|--|-----------|
|                         |               |             |             | Soil   | Water | Other | Ice          | Acid | Filter |                          | Other  | Type I  | Type II  | Type III | Type IV | Type V  | Type VI  | Type VII  |                       |                      |                |               |      |                    |            |                 |         |           |          |     |  | Type VIII |
| A632                    | SB01_0.2-1.0  |             |             |        |       |       |              |      |        |                          |        |         |          |          |         |         |          |           |                       |                      |                |               |      |                    |            |                 |         |           |          |     |  |           |
| A632                    | MW01          |             |             |        |       |       |              |      |        |                          |        |         |          |          |         |         |          |           |                       |                      |                |               |      |                    |            |                 |         |           |          |     |  |           |
| CCM104Q                 | SB3-1.0-1.1   | 15/10       |             | X      |       |       | X            |      |        |                          | X      | X       | X        |          |         |         |          |           |                       |                      |                |               |      |                    |            |                 |         |           |          |     |  |           |
| CCM104Q                 | SB3-2.0-2.1   | 15/10       |             | X      |       |       | X            |      |        |                          | X      | X       |          |          |         |         |          |           |                       |                      |                |               |      |                    |            |                 |         |           |          |     |  |           |
| CCM104Q                 | SB3-3.0-3.1   | 15/10       |             | X      |       |       | X            |      |        |                          | X      | X       |          |          |         |         |          |           |                       |                      |                |               |      |                    |            |                 |         |           |          |     |  |           |
| CCM104Q                 | SB3-4.0-4.1   | 15/10       |             | X      |       |       | X            |      |        |                          | X      | X       |          |          |         |         |          |           |                       |                      |                |               |      |                    |            |                 |         |           |          |     |  |           |
| CCM104Q                 | SB3-5.0-5.1   | 15/10       |             | X      |       |       | X            |      |        |                          | X      | X       |          |          |         |         |          |           |                       |                      |                |               |      |                    |            |                 |         |           |          |     |  |           |
| CCM104Q                 | DO1           | 15/10       |             | X      |       |       | X            |      |        |                          | X      | X       |          |          |         |         |          |           |                       |                      |                |               |      |                    |            |                 |         |           |          |     |  |           |
| CCM104Q                 | SB4-0.1-0.2   | 15/10       |             | X      |       |       | X            |      |        |                          | X      | X       |          |          |         |         |          |           |                       |                      |                |               |      |                    |            |                 |         |           |          |     |  |           |
| CCM104Q                 | SB4-0.5-0.6   | 15/10       |             | X      |       |       | X            |      |        |                          | X      | X       |          |          |         |         |          |           |                       |                      |                |               |      |                    |            |                 |         |           |          |     |  |           |
| CCM104Q                 | SB4-1.0-1.2   | 15/10       |             | X      |       |       | X            |      |        |                          | X      | X       |          |          |         |         |          |           |                       |                      |                |               |      |                    |            |                 |         |           |          |     |  |           |
| CCM104Q                 | SB4-2.0-2.1   | 15/10       |             | X      |       |       | X            |      |        |                          | X      | X       |          |          |         |         |          |           |                       |                      |                |               |      |                    |            |                 |         |           |          |     |  |           |
| CCM104Q                 | SB4-3.0-3.1   | 15/10       |             | X      |       |       | X            |      |        |                          | X      | X       |          |          |         |         |          |           |                       |                      |                |               |      |                    |            |                 |         |           |          |     |  |           |
| CCM104Q                 | SB4-NM4.0-4.1 | 15/10       |             | X      |       |       | X            |      |        |                          | X      | X       |          |          |         |         |          |           |                       |                      |                |               |      |                    |            |                 |         |           |          |     |  |           |
| CCM104Q                 | SB4-5.0-5.1   | 15/10       |             | X      |       |       | X            |      |        |                          | X      | X       |          |          |         |         |          |           |                       |                      |                |               |      |                    |            |                 |         |           |          |     |  |           |
| CCM104Q                 | SB4-6.0-6.1   | 15/10       |             | X      |       |       | X            |      |        |                          | X      | X       |          |          |         |         |          |           |                       |                      |                |               |      |                    |            |                 |         |           |          |     |  |           |
| CCM104Q                 | DO2           | 15/10       |             | X      |       |       | X            |      |        |                          | X      | X       |          |          |         |         |          |           |                       |                      |                |               |      |                    |            |                 |         |           |          |     |  |           |
| CCM104Q                 | SB5-0.1-0.2   | 15/10       |             | X      |       |       | X            |      |        |                          | X      | X       |          |          |         |         |          |           |                       |                      |                |               |      |                    |            |                 |         |           |          |     |  |           |
| CCM104Q                 | SB5-0.5-0.6   | 15/10       |             | X      |       |       | X            |      |        |                          | X      | X       |          |          |         |         |          |           |                       |                      |                |               |      |                    |            |                 |         |           |          |     |  |           |
| CCM104Q                 | SB5-1.0-1.1   | 15/10       |             | X      |       |       | X            |      |        |                          | X      | X       |          |          |         |         |          |           |                       |                      |                |               |      |                    |            |                 |         |           |          |     |  |           |

Comments: Mail results to Project Manager and to au.projectgess@erm.com Use Shell GESS contract pricing.

Ship via MGT Courier (TNT Account # 20744136)  Other Shipment method ( )

Relinquished by: sch4p4 (6) Personal information

Signed: sch4p4 (6) Personal information

Date/Time: 18/10/08

Received by: MGT (Report # 235919)

Date/Time:

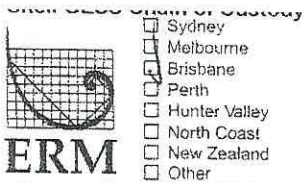
Relinquished by: sch4p4 (6) Personal information

Signed:

Date/Time: A

Received by:

Page 3 of 56



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 Level 3, Yarra Tower, WTC, 18-38 Siddley Street, Docklands, VIC, 3005. (ph) 03 9696 8011 (fax) 03 9696 8022  
 Level 1, 60 Leichhardt Street, Spring Hill, QLD, 4004. (ph) 07 3839 8393 (fax) 07 3839 8381  
 PO Box 7338, Cloisters Square, WA, 6850. (ph) 08 9321 5200 (fax) 08 9321 5262  
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 PO Box 106234, Auckland City 1143. (ph) +64 9303 4664 (fax) +64 9303 3254

Project No: **0081610**  
 Project Name: **Quilpie Depot**  
 Project Location: **Brodan St, Amaloo**  
 Project Manager: **sch4p4 (6) Personal informati**  
 Sampler: **sch4p4 (6) Personal informati**

COC Number  
**A 1656**  
 Laboratory

General Analysis Requirements

1. Turn Around Time (please tick:  1 Day  2 Days  Normal TAT)  
 2. Laboratory to filter samples?

| Shell Network ID Number | Sample ID    | Sample Date | Sample Time | Matrix |       |       | Preservation |      |        |       | Containers (number/type) | Type I | Type II | Type III | Type IV | Type V | Type VI | Type VII | Type VIII | Grain Size Distribut. | Frac. Organic Carbon | TPH Speciation | TCLP Analysis | BTEX | TPH C <sub>10</sub> | Alkalinity | CO <sub>2</sub> | Methane | Manganese | Asbestos | TOC | Other Comments on sample (eg: high voc, highly contaminated, special detecti limits etc) |   |  |
|-------------------------|--------------|-------------|-------------|--------|-------|-------|--------------|------|--------|-------|--------------------------|--------|---------|----------|---------|--------|---------|----------|-----------|-----------------------|----------------------|----------------|---------------|------|---------------------|------------|-----------------|---------|-----------|----------|-----|--|---|--|
|                         |              |             |             | Soil   | Water | Other | Ice          | Acid | Filter | Other |                          |        |         |          |         |        |         |          |           |                       |                      |                |               |      |                     |            |                 |         |           |          |     |  |   |  |
| A632                    | SB01_0.2-1.0 |             |             |        |       |       |              |      |        |       |                          |        |         |          |         |        |         |          |           |                       |                      |                |               |      |                     |            |                 |         |           |          |     |  |   |  |
| A632                    | MW01         |             |             |        |       |       |              |      |        |       |                          |        |         |          |         |        |         |          |           |                       |                      |                |               |      |                     |            |                 |         |           |          |     |  |   |  |
| CCM104Q                 | SBS_2.0-2.1  | 15/10       |             | X      |       |       | X            |      |        |       | X                        | X      |         |          |         |        |         |          |           |                       |                      |                |               |      |                     |            |                 |         |           |          |     |  |   |  |
| CCM104Q                 | SBS_3.0-3.1  | 15/10       |             | X      |       |       | X            |      |        |       | X                        | X      |         |          |         |        |         |          |           |                       |                      |                |               |      |                     |            |                 |         |           |          |     |  |   |  |
| CCM104Q                 | SBS_4.0-4.1  | 15/10       |             | X      |       |       | X            |      |        |       | X                        | X      |         |          |         |        |         |          |           |                       |                      |                |               |      |                     |            |                 |         |           |          |     |  |   |  |
| CCM104Q                 | SBS_5.0-5.1  | 15/10       |             | X      |       |       | X            |      |        |       | X                        | X      |         |          |         |        |         |          |           |                       |                      |                |               |      |                     |            |                 |         |           |          |     |  |   |  |
| CCM104Q                 | SBS_6.0-6.1  | 15/10       |             | X      |       |       | X            |      |        |       | X                        | X      |         |          |         |        |         |          |           |                       |                      |                |               |      |                     |            |                 |         |           |          |     |  |   |  |
| CCM104Q                 | DO3          | 15/10       |             | X      |       |       | X            |      |        |       | X                        | X      |         |          |         |        |         |          |           |                       |                      |                |               |      |                     |            |                 |         |           |          |     |  |   |  |
| CCM104Q                 | SBS_0.1-0.2  | 15/10       |             | X      |       |       | X            |      |        |       | X                        | X      |         |          |         |        |         |          |           |                       |                      |                |               |      |                     |            |                 |         |           |          |     |  |   |  |
| CCM104Q                 | SBS_0.5-0.6  | 15/10       |             | X      |       |       | X            |      |        |       | X                        | X      | X       |          |         |        |         | X        |           |                       |                      |                |               |      |                     |            |                 |         |           |          |     |  | X |  |
| CCM104Q                 | SBS_1.0-1.1  | 15/10       |             | X      |       |       | X            |      |        |       | X                        | X      |         |          |         |        |         |          |           |                       |                      |                |               |      |                     |            |                 |         |           |          |     |  |   |  |
| CCM104Q                 | SBS_2.0-2.1  | 15/10       |             | X      |       |       | X            |      |        |       | X                        | X      |         |          |         |        |         |          |           |                       |                      |                |               |      |                     |            |                 |         |           |          |     |  |   |  |
| CCM104Q                 | SBS_3.0-3.1  | 15/10       |             | X      |       |       | X            |      |        |       | X                        | X      |         |          |         |        |         |          |           |                       |                      |                |               |      |                     |            |                 |         |           |          |     |  |   |  |
| CCM104Q                 | SBS_4.0-4.1  | 15/10       |             | X      |       |       | X            |      |        |       | X                        | X      |         |          |         |        |         |          |           |                       |                      |                |               |      |                     |            |                 |         |           |          |     |  |   |  |
| CCM104Q                 | SBS_5.0-5.1  | 15/10       |             | X      |       |       | X            |      |        |       | X                        | X      |         |          |         |        |         |          |           |                       |                      |                |               |      |                     |            |                 |         |           |          |     |  |   |  |
| CCM104Q                 | SBS_6.0-6.1  | 15/10       |             | X      |       |       | X            |      |        |       | X                        | X      |         |          |         |        |         |          |           |                       |                      |                |               |      |                     |            |                 |         |           |          |     |  |   |  |
| CCM104Q                 | DO4          | 15/10       |             | X      |       |       | X            |      |        |       | X                        | X      |         |          |         |        |         |          |           |                       |                      |                |               |      |                     |            |                 |         |           |          |     |  |   |  |

Comments: Mail results to Project Manager and to au.projectgess@erm.com Use Shell GESS contract pricing.  Ship via MGT Courier (TNT Account # 20744136)  Other Shipment method ( )

Relinquished by: **sch4p4 (6) Personal information** Signed: **sch4p4 (6) Personal inform** Date/Time: **19/10/08** Received by: **MGT (John) (Report# 235919)** Date/Time:

Relinquished by: **sch4p4 (6) Personal information** Signed: **sch4p4 (6) Personal inform** Date/Time: **File A** Received by: **sch4p4 (6) Personal informati** Date/Time:



- Sydney
- Melbourne
- Brisbane
- Perth
- Hunter Valley
- North Coast
- New Zealand
- Other

Grid Floor, 33 Saunders Street, Pyrmont, NSW, 2009. (ph) 02 6584 8898 (fax) 02 6584 8800  
 Level 3, Yarra Tower, WTC, 18-38 Siddley Street, Docklands, VIC, 3005. (ph) 03 9896 8011 (fax) 03 9696 8022  
 Level 1, 60 Leichhardt Street, Spring Hill, QLD, 4004. (ph) 07 3839 8393 (fax) 07 3839 8381  
 PO Box 7338, Cloisters Square, WA, 6850. (ph) 08 9321 5200 (fax) 08 9321 5262  
 53 Bonville Avenue, Thornton, NSW, 2322. (ph) 02 4964 2150 (fax) 02 4964 2152  
 Suite 3/146 Gordon Street, Port Macquarie, NSW, 2444. (ph) 02 6584 7155 (fax) 02 6584 7160  
 PO Box 106234, Auckland City 1143 (ph) +64 9308 4664 (fax) +64 9308 3254

Project No: 0081610

Project Name: Quilpa Depot

Project Location: Brajan St, Quilpa

Project Manager: sch4p4(6) Personal information

Sampler: sch4p4(6) Personal information

COC Number  
A 1657

Laboratory

General Analysis Requirements

1. Turn Around Time (please tick:  1 Day  2 Days  Normal TAT)

2. Laboratory to filter samples?

| Shell Network ID Number | Sample ID    | Sample Date | Sample Time | Matrix |       |        |      | Preservation |      |        |       | Containers (number/type) | Type I | Type II | Type III | Type IV | Type V | Type VI | Type VII | Type VIII | Grain Size Distribut | Frac. Organic Carbon | TPH Speciation | TCLP Analysis | BTEX | TPH C <sub>1</sub> | Alkalinity | CO | Methane | Manganese | Asbestos | Toc | Other Comments on sample<br>(eg high voc, highly contaminated, special detection limits etc) |  |  |  |   |
|-------------------------|--------------|-------------|-------------|--------|-------|--------|------|--------------|------|--------|-------|--------------------------|--------|---------|----------|---------|--------|---------|----------|-----------|----------------------|----------------------|----------------|---------------|------|--------------------|------------|----|---------|-----------|----------|-----|--|--|--|--|---|
|                         |              |             |             | Silt   | Water | Sludge | Soil | Ice          | Acid | Filter | Other |                          |        |         |          |         |        |         |          |           |                      |                      |                |               |      |                    |            |    |         |           |          |     |  |  |  |  |   |
| A632                    | SB01_0.2-1.0 |             |             |        |       |        |      |              |      |        |       |                          |        |         |          |         |        |         |          |           |                      |                      |                |               |      |                    |            |    |         |           |          |     |  |  |  |  |   |
| A632                    | MW01         |             |             |        |       |        |      |              |      |        |       |                          |        |         |          |         |        |         |          |           |                      |                      |                |               |      |                    |            |    |         |           |          |     |  |  |  |  |   |
| CCM1042                 | SB7_0.1-0.2  | 15/10       |             |        | X     |        |      |              | X    |        |       |                          | X      | X       |          |         |        |         |          |           |                      |                      |                |               |      |                    |            |    |         |           |          |     |  |  |  |  |   |
| CCM1042                 | SB7_0.5-0.6  | 15/10       |             |        | X     |        |      |              | X    |        |       |                          | X      | X       |          |         |        |         |          |           |                      |                      |                |               |      |                    |            |    |         |           |          |     |  |  |  |  |   |
| CCM1042                 | SB7_1.0-1.6  | 15/10       |             |        | X     |        |      |              | X    |        |       |                          | X      | X       | X        |         |        |         |          |           |                      |                      |                |               |      |                    |            |    |         |           |          |     |  |  |  |  | X |
| CCM1042                 | SB7_2.0-2.1  | 15/10       |             |        | X     |        |      |              | X    |        |       |                          | X      | X       |          |         |        |         |          |           |                      |                      |                |               |      |                    |            |    |         |           |          |     |  |  |  |  |   |
| CCM1042                 | SB7_3.0-3.1  | 15/10       |             |        | X     |        |      |              | X    |        |       |                          | X      | X       |          |         |        |         |          |           |                      |                      |                |               |      |                    |            |    |         |           |          |     |  |  |  |  |   |
| CCM1042                 | SB7_4.0-4.1  | 15/10       |             |        | X     |        |      |              | X    |        |       |                          | X      | X       |          |         |        |         |          |           |                      |                      |                |               |      |                    |            |    |         |           |          |     |  |  |  |  |   |
| CCM1042                 | SB7_5.0-5.1  | 15/10       |             |        | X     |        |      |              | X    |        |       |                          | X      | X       |          |         |        |         |          |           |                      |                      |                |               |      |                    |            |    |         |           |          |     |  |  |  |  |   |
| CCM1042                 | SB7_6.0-6.1  | 15/10       |             |        | X     |        |      |              | X    |        |       |                          | X      | X       |          |         |        |         |          |           |                      |                      |                |               |      |                    |            |    |         |           |          |     |  |  |  |  |   |
| CCM1042                 | DOB          | 15/10       |             |        | X     |        |      |              | X    |        |       |                          | X      | X       |          |         |        |         |          |           |                      |                      |                |               |      |                    |            |    |         |           |          |     |  |  |  |  |   |
| CCM1046                 | SB8-0.1-0.2  | 15/10       |             |        | X     |        |      |              | X    |        |       |                          | X      | X       |          |         |        |         |          |           |                      |                      |                |               |      |                    |            |    |         |           |          |     |  |  |  |  |   |
| CCM1040                 | SB8-0.5-0.6  | 15/10       |             |        | X     |        |      |              | X    |        |       |                          | X      | X       |          |         |        |         |          |           |                      |                      |                |               |      |                    |            |    |         |           |          |     |  |  |  |  |   |
| CCM1042                 | SB8-1.0-1.1  | 15/10       |             |        | X     |        |      |              | X    |        |       |                          | X      | X       |          |         |        |         |          |           |                      |                      |                |               |      |                    |            |    |         |           |          |     |  |  |  |  |   |
| CCM1042                 | SB8-2.0-2.1  | 15/10       |             |        | X     |        |      |              | X    |        |       |                          | X      | X       |          |         |        |         |          |           |                      |                      |                |               |      |                    |            |    |         |           |          |     |  |  |  |  |   |
| CCM1040                 | SB8-3.0-3.1  | 15/10       |             |        | X     |        |      |              | X    |        |       |                          | X      | X       |          |         |        |         |          |           |                      |                      |                |               |      |                    |            |    |         |           |          |     |  |  |  |  |   |
| CCM1040                 | SB8-4.0-4.1  | 15/10       |             |        | X     |        |      |              | X    |        |       |                          | X      | X       |          |         |        |         |          |           |                      |                      |                |               |      |                    |            |    |         |           |          |     |  |  |  |  |   |
| CCM1040                 | DOG          | 15/10       |             |        | X     |        |      |              | X    |        |       |                          | X      | X       |          |         |        |         |          |           |                      |                      |                |               |      |                    |            |    |         |           |          |     |  |  |  |  |   |
| CCM1042                 | RO1          | 14/10       |             |        | X     |        |      |              | X    |        |       |                          | X      | X       |          |         |        |         |          |           |                      |                      |                |               |      |                    |            |    |         |           |          |     |  |  |  |  |   |
| CCM1042                 | RO2          | 14/10       |             |        | X     |        |      |              | X    |        |       |                          | X      | X       |          |         |        |         |          |           |                      |                      |                |               |      |                    |            |    |         |           |          |     |  |  |  |  |   |

Comments: Mail results to Project Manager and to au.projectgess@erm.com  
 Use Shell GESS contract pricing.

- Ship via MGT Courier (TNT Account # 20744136)
- Other Shipment method ( )

Relinquished by: sch4p4(6) Personal information

Signed: sch4p4(6) Personal information

Date/Time: 19/10/08

Received by: MGT (John) (Report #235919)

Date/Time:

Relinquished by: 21-373

Signed:

Date/Time: File A

Received by:

Page 35 of 56



## Sample Receipt Advice

Company name: ERM-Queensland  
Contact name: sch4p4( 6) Personal inform  
Client job number: 0081610 FORMER QUILPIC DEPOT  
COC number: 05211-15  
Turn around time: Five day  
Date received: Mar 20, 2008  
MGT lab reference: 223829

### Sample information

- All samples have been received as described on the above COC.
- COC has been completed correctly.
- All samples were provided chilled.
- Appropriately preserved sample containers have been used.
- All samples were received in good condition.
- Samples have been provided with adequate time to commence analysis in accordance with the relevant holding times.

### Contact notes

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

sch4p4( 6) Personal inf on the above number or by e.mail: sch4p4( 6) Personal information

Results will be delivered electronically via e.mail to sch4p4( 6) Personal inform  
sch4p4( 6) Personal information

### mgt Sample Receipt





- Sydney
- Melbourne
- Brisbane
- Perth
- Hunter Valley
- North Coast
- Other

Grnd Floor, 33 Saunders Street, Pyrmont, NSW, 2009. (ph) 02 8584 8888 (fax) 02 8584 8800  
 Level 3, Yarra Tower, WTC, 18-38 Siddalay Street, Docklands, VIC, 3005. (ph) 03 9696 8011 (fax) 03 9696 8022  
 Level 1, 60 Leichhardt Street, Spring Hill, QLD, 4004. (ph) 07 3839 8393 (fax) 07 3839 8381  
 Level 6, Grain Pool Bld, 172 St Georges Tce, WA, 6850. (ph) 08 9321 5200 (fax) 08 9321 5262  
 53 Bonville Avenue, Thornton, NSW, 2322 (ph) 02 4964 2150 (fax) 02 4964 2152  
 Suite 3/146 Gordon Street, Port Macquarie, NSW, 2444. (ph) 02 6584 7155 (fax) 02 6584 7160

Project No: 0081610  
 Project Name: Quilpie Depot  
 Project Location: Braline St, Quilpie, QLD  
 Project Manager: sch4p4(6) Personal informa  
 Sampler: sch4p4(6) Personal inform

COC Number  
**A 05212**  
 Laboratory

General Analysis Requirements

1. Turn Around Time (please tick:  1 Day  2 Days  3 Days  Normal TAT)
2. Do you wish any sediment layers in water to be excluded from extractions?
3. Additional QA/QC reported where sample batches are < 10 samples?
4. % of extraneous material removed from samples to be reported as per NEPM 5.1.1?

| Laboratory Number | Sample ID   | Sample Depth | Sample Date | Sample Time | Matrix |       |       | Preservation |      |        |       | Containers (number/type) | BTEX | TPH (C6-C9 P & T) + TPH (C10-C36) | Speciated TPH | VOC Scan (USEPA 8260 List) | SVOC Scan (USEPA 8270 List) | OC Of Pesticides | PAH | Phenols | PCB | Metals (dissolved / total) | Other Comments on sample (eg: high voc, highly contaminated, special detection limits etc etc) |  |  |
|-------------------|-------------|--------------|-------------|-------------|--------|-------|-------|--------------|------|--------|-------|--------------------------|------|-----------------------------------|---------------|----------------------------|-----------------------------|------------------|-----|---------|-----|----------------------------|--|--|--|
|                   |             |              |             |             | Soil   | Water | Other | Ice          | Acid | Filter | Other |                          |      |                                   |               |                            |                             |                  |     |         |     |                            |  |  |  |
| CCM1042           | QC1-130308  |              | 13/03       |             | X      |       |       | X            |      |        |       |                          |      |                                   |               |                            |                             |                  |     |         |     |                            |  |  |  |
| CCM1042           | QC2-130308  |              | 13/03       |             | X      |       |       | X            |      |        |       |                          |      |                                   |               |                            |                             |                  |     |         |     |                            |  |  |  |
| CCM1042           | QC3-130308  |              | 13/03       |             | X      |       |       | X            |      |        |       |                          |      |                                   |               |                            |                             |                  |     |         |     |                            |  |  |  |
| CCM1042           | QC4-140308  |              | 14/03       |             | X      |       |       | X            |      |        |       |                          |      |                                   |               |                            |                             |                  |     |         |     |                            |  |  |  |
| CCM1042           | QC5-140308  |              | 14/03       |             | X      |       |       | X            |      |        |       |                          |      |                                   |               |                            |                             |                  |     |         |     |                            |  |  |  |
| CCM1042           | QC6-140308  |              | 14/03       |             | X      |       |       | X            |      |        |       |                          |      |                                   |               |                            |                             |                  |     |         |     |                            |  |  |  |
| CCM1042           | QC7-140308  |              | 14/03       |             | X      |       |       | X            |      |        |       |                          |      |                                   |               |                            |                             |                  |     |         |     |                            |  |  |  |
| CCM1042           | QC8-140308  |              | 14/03       |             | X      |       |       | X            |      |        |       |                          |      |                                   |               |                            |                             |                  |     |         |     |                            |  |  |  |
| CCM1042           | QC9-140308  |              | 14/03       |             | X      |       |       | X            |      |        |       |                          |      |                                   |               |                            |                             |                  |     |         |     |                            |  |  |  |
| CCM1042           | QC10-140308 |              | 14/03       |             | X      |       |       | X            |      |        |       |                          |      |                                   |               |                            |                             |                  |     |         |     |                            |  |  |  |
| CCM1042           | QC11-140308 |              | 14/03       |             | X      |       |       | X            |      |        |       |                          |      |                                   |               |                            |                             |                  |     |         |     |                            |  |  |  |
| CCM1042           | QC12-140308 |              | 14/03       |             | X      |       |       | X            |      |        |       |                          |      |                                   |               |                            |                             |                  |     |         |     |                            |  |  |  |
| CCM1042           | QC13-140308 |              | 14/03       |             | X      |       |       | X            |      |        |       |                          |      |                                   |               |                            |                             |                  |     |         |     |                            |  |  |  |
| CCM1042           | QC14        |              |             |             |        |       |       |              |      |        |       |                          |      |                                   |               |                            |                             |                  |     |         |     |                            |  |  |  |

Type I  
 Type II  
 Type III  
 Type IV

Water -> 2x 500A + 2 vials

↓ ↓

Water -> 2x 500A + 2 vials

Comments:

\*Metals (circle)  
 As Cd Cr Cu Hg Ni Pb Zn  
 sch4p4(6) Personal

Relinquished by: sch4p4(6) Personal information Signed: sch4p4(6) Personal information

Date/Time: 18/03/08

Received by: 223829

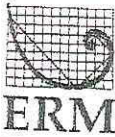
Date/Time: 20/3/08 9:36

Relinquished by: 21-373 Signed:

Date/Time: File A

Received by:

Date/Time: Page 39 of 56



- Melbourne
- Brisbane
- Perth
- Hunter Valley
- North Coast
- Other

Level 3, Yarra Tower, WTC, 18-38 Slddeley Street, Docklands, VIC, 3005. (ph) 03 9696 8011 (fax) 03 9696 8022  
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 53 Bonville Avenue, Thornton, NSW, 2322. (ph) 02 4964 2150 (fax) 02 4964 2152  
 Suite 3/146 Gordon Street, Port Macquarie, NSW, 2444. (ph) 02 6564 7155 (fax) 02 6564 7160

Project No: 0081610  
 Project Name: Former Quilpie Depot  
 Project Location: Brooker St Quilpie  
 Project Manager: sch4p4(6) Personal information  
 Sampler: sch4p4(6) Personal information

COC Number:  
**A 05213**  
 Laboratory:

General Analysis Requirements

1. Turn Around Time (please tick:  1 Day  2 Days  3 Days  Normal TAT)
2. Do you wish any sediment layers in water to be excluded from extractions?
3. Additional QA/QC reported where sample batches are < 10 samples?
4. % of extraneous material removed from samples to be reported as per NEPM 5.1.1?

| Laboratory Number | Sample ID      | Sample Depth | Sample Date | Sample Time | Matrix |       |       | Preservation |      | Containers (number/type) | BTEX | TPH (C8-C9 P & T) + TPH (C10-C36) | Speciated TPH | VOC Scan (USEPA 8260 List) | SVOC Scan (USEPA 8270 List) | OC OP Pesticides | PAH | Phenols | PCB | Metals* (dissolved / total) | Type I | Type II | Other Comments on sample (eg: high voc, highly contaminated, special detection limits etc) |
|-------------------|----------------|--------------|-------------|-------------|--------|-------|-------|--------------|------|--------------------------|------|-----------------------------------|---------------|----------------------------|-----------------------------|------------------|-----|---------|-----|-----------------------------|--------|---------|--|
|                   |                |              |             |             | Soil   | Water | Other | Inp          | Acid |                          |      |                                   |               |                            |                             |                  |     |         |     |                             |        |         |  |
| CCM1040           | VP18-140308    |              | 14/03       |             | X      |       |       | X            |      |                          |      |                                   |               |                            |                             |                  |     |         |     |                             |        |         |  |
| CCM1040           | VP19-140308    |              | 14/03       |             | X      |       |       | X            |      |                          |      |                                   |               |                            |                             |                  |     |         |     |                             |        |         |  |
| CCM1040           | VP20-140308    |              | 14/03       |             | X      |       |       | X            |      |                          |      |                                   |               |                            |                             |                  |     |         |     |                             |        |         |  |
| CCM1040           | VP21-140308    |              | 14/03       |             | X      |       |       | X            |      |                          |      |                                   |               |                            |                             |                  |     |         |     |                             |        |         |  |
| CCM1040           | VP22-140308    |              | 14/03       |             | X      |       |       | X            |      |                          |      |                                   |               |                            |                             |                  |     |         |     |                             |        |         |  |
| CCM1040           | VP23-140308    |              | 14/03       |             | X      |       |       | X            |      |                          |      |                                   |               |                            |                             |                  |     |         |     |                             |        |         |  |
| CCM1040           | VP24-140308    |              | 14/03       |             | X      |       |       | X            |      |                          |      |                                   |               |                            |                             |                  |     |         |     |                             |        |         |  |
| CCM1040           | VP25-140308    |              | 14/03       |             | X      |       |       | X            |      |                          |      |                                   |               |                            |                             |                  |     |         |     |                             |        |         |  |
| CCM1040           | VP26-140308    |              | 14/03       |             | X      |       |       | X            |      |                          |      |                                   |               |                            |                             |                  |     |         |     |                             |        |         |  |
| CCM1040           | VP27-140308    |              | 14/03       |             | X      |       |       | X            |      |                          |      |                                   |               |                            |                             |                  |     |         |     |                             |        |         |  |
| CCM1040           | VP28-140308    |              | 14/03       |             | X      |       |       | X            |      |                          |      |                                   |               |                            |                             |                  |     |         |     |                             |        |         |  |
| CCM1040           | VP29-140308    |              | 14/03       |             | X      |       |       | X            |      |                          |      |                                   |               |                            |                             |                  |     |         |     |                             |        |         |  |
| CCM1040           | VP30-140308    |              | 14/03       |             | X      |       |       | X            |      |                          |      |                                   |               |                            |                             |                  |     |         |     |                             |        |         |  |
| CCM1040           | V1-2.5-120308  |              | 12/03       |             | X      |       |       | X            |      |                          |      |                                   |               |                            |                             |                  |     |         |     |                             |        |         |  |
| CCM1040           | V2-1.25-120308 |              | 12/03       |             | X      |       |       | X            |      |                          |      |                                   |               |                            |                             |                  |     |         |     |                             |        |         |  |
| CCM1040           | V3-2.6-140308  |              | 14/03       |             | X      |       |       | X            |      |                          |      |                                   |               |                            |                             |                  |     |         |     |                             |        |         |  |
| CCM1040           | V4-1.25-140308 |              | 14/03       |             | X      |       |       | X            |      |                          |      |                                   |               |                            |                             |                  |     |         |     |                             |        |         |  |
| CCM1040           | V5-2.2-140308  |              | 14/03       |             | X      |       |       | X            |      |                          |      |                                   |               |                            |                             |                  |     |         |     |                             |        |         |  |
| CCM1040           | V6-1.0-140308  |              | 14/03       |             | X      |       |       | X            |      |                          |      |                                   |               |                            |                             |                  |     |         |     |                             |        |         |  |

Comments: sch4p4(6) Personal information

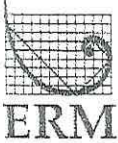
Relinquished by: sch4p4(6) Personal information  
 Signed: sch4p4(6) Personal information  
 Date/Time: 18/03/08

Relinquished by: 21-373  
 Signed: sch4p4(6) Personal information  
 Date/Time: File A

Received by: sch4p4(6) Personal information  
 Date/Time: 22/3/08 9.30

Received by: 223829  
 Date/Time: 20/3/08 9.30





- Sydney
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- Perth
- Hunter Valley
- North Coast
- Other

Gnd Floor, 33 Saunders Street, Pyrmont, NSW, 2009. (ph) 02 8584 8888 (fax) 02 8584 8800  
 Level 3, Yarra Tower, WTC, 18-38 Siddiey Street, Docklands, VIC, 3005. (ph) 03 9696 8011 (fax) 03 9696 8022  
 Level 1, 60 Leichhardt Street, Spring Hill, QLD, 4004. (ph) 07 3839 8393 (fax) 07 3839 8381  
 Level 6, Grain Pool Bld, 172 St Georges Tce, WA, 6850. (ph) 08 9321 5200 (fax) 08 9321 5262  
 53 Bonville Avenue, Thornton, NSW, 2322. (ph) 02 4964 2150 (fax) 02 4964 2152  
 Suite 3/146 Gordon Street, Port Macquarie, NSW, 2444. (ph) 02 6584 7155 (fax) 02 6584 7160

Project No: 0031610  
 Project Name: Former Quilpie Depot  
 Project Location: Brooker St Quilpie QLD  
 Project Manager: sch4p4(6) Personal information  
 Sampler: sch4p4(6) Personal information

COC Number: A 05214  
 Laboratory: \_\_\_\_\_

General Analysis Requirements

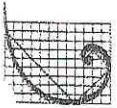
- Yes (tick)
1. Turn Around Time (please tick:  1 Day  2 Days  3 Days  Normal TAT)
  2. Do you wish any sediment layers in water to be excluded from extractions?
  3. Additional QA/QC reported where sample batches are < 10 samples?
  4. % of extraneous material removed from samples to be reported as per NEPM 5.1.1?

| Laboratory Number | Sample ID | Sample Depth | Sample Date | Sample Time | Matrix |       |       | Preservation |      |        |       | Containers (number/type) | BTEX | TPH (C6-C9 P & T) + TPH (C10-C36) | Speciated TPH | VOC Scan (USEPA 8260 List) | SVOC Scan (USEPA 8270 List) | OC OP Pesticides | PAH | Phenols | PCB | Metals* (dissolved / total) | Type I | Type II | Other Comments on sample (eg: high voc, highly contaminated, special detection limits etc etc) |
|-------------------|-----------|--------------|-------------|-------------|--------|-------|-------|--------------|------|--------|-------|--------------------------|------|-----------------------------------|---------------|----------------------------|-----------------------------|------------------|-----|---------|-----|-----------------------------|--------|---------|--|
|                   |           |              |             |             | Soil   | Water | Other | Ice          | Acid | Filter | Other |                          |      |                                   |               |                            |                             |                  |     |         |     |                             |        |         |  |
| CCM1042           | V7-2.2    | 140308       | 14/03       |             | X      |       |       | X            | A    |        |       |                          |      |                                   |               |                            |                             |                  |     |         |     | X                           | X      |         |  |
| CCM1042           | V8-1.0    | 140308       | 14/03       |             | X      |       |       | X            |      |        |       |                          |      |                                   |               |                            |                             |                  |     |         |     |                             | X      |         |  |
| CCM1042           | V9-1.0    | 140308       | 14/03       |             | X      |       |       | X            |      |        |       |                          |      |                                   |               |                            |                             |                  |     |         |     |                             | X      | X       |  |
| CCM1042           | V10-2.2   | 140308       | 14/03       |             | X      |       |       | X            |      |        |       |                          |      |                                   |               |                            |                             |                  |     |         |     |                             | X      |         |  |
| CCM1042           | V11-0.5   | 140308       | 14/03       |             | X      |       |       | X            |      |        |       |                          |      |                                   |               |                            |                             |                  |     |         |     |                             | X      | X       |  |
| CCM1042           | V12-0.5   | 140308       | 14/03       |             | X      |       |       | X            |      |        |       |                          |      |                                   |               |                            |                             |                  |     |         |     |                             | X      |         |  |
| CCM1042           | V13-0.2   | 140308       | 14/03       |             | X      |       |       | X            |      |        |       |                          |      |                                   |               |                            |                             |                  |     |         |     |                             | X      | X       |  |
| CCM1042           | V14-2.2   | 140308       | 14/03       |             | X      |       |       | X            |      |        |       |                          |      |                                   |               |                            |                             |                  |     |         |     |                             | X      |         |  |
| CCM1042           | V15-1.0   | 140308       | 14/03       |             | X      |       |       | X            |      |        |       |                          |      |                                   |               |                            |                             |                  |     |         |     |                             | X      | X       |  |
| CCM1042           | V16-1.8   | 140308       | 14/03       |             | X      |       |       | X            |      |        |       |                          |      |                                   |               |                            |                             |                  |     |         |     |                             | X      |         |  |
| CCM1042           | V17-0.5   | 140308       | 14/03       |             | X      |       |       | X            |      |        |       |                          |      |                                   |               |                            |                             |                  |     |         |     |                             | X      | X       |  |
| CCM1042           | V18-1.8   | 140308       | 14/03       |             | X      |       |       | X            |      |        |       |                          |      |                                   |               |                            |                             |                  |     |         |     |                             | X      |         |  |
| CCM1042           | V19-1.0   | 140308       | 14/03       |             | X      |       |       | X            |      |        |       |                          |      |                                   |               |                            |                             |                  |     |         |     |                             | X      | X       |  |
| CCM1042           | V20-0.5   | 140308       | 14/03       |             | X      |       |       | X            |      |        |       |                          |      |                                   |               |                            |                             |                  |     |         |     |                             | X      |         |  |
| CCM1042           | V21-1.5   | 140308       | 14/03       |             | X      |       |       | X            |      |        |       |                          |      |                                   |               |                            |                             |                  |     |         |     |                             | X      | X       |  |
| CCM1042           | V22-1.5   | 140308       | 14/03       |             | X      |       |       | X            |      |        |       |                          |      |                                   |               |                            |                             |                  |     |         |     |                             | X      |         |  |
| CCM1042           | V23-2.5   | 140308       | 14/03       |             | X      |       |       | X            |      |        |       |                          |      |                                   |               |                            |                             |                  |     |         |     |                             | X      | X       |  |
| CCM1042           | V24-2.5   | 140308       | 14/03       |             | X      |       |       | X            |      |        |       |                          |      |                                   |               |                            |                             |                  |     |         |     |                             | X      |         |  |
| CCM1042           | V25-2.2   | 140308       | 14/03       |             | X      |       |       | X            |      |        |       |                          |      |                                   |               |                            |                             |                  |     |         |     |                             | X      | X       |  |

Comments: \_\_\_\_\_

Relinquished by: sch4p4(6) Personal information Signed: sch4p4(6) Personal information Date/Time: 18/03/08 Received by: sch4p4(6) Personal information 223829 Date/Time: 20/3/08 9.30

Relinquished by: 21-373 Signed: \_\_\_\_\_ Date/Time: \_\_\_\_\_ File A Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_



ERM

- Sydney
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- Other

Grnd Floor, 33 Saunders Street, Pyrmont, NSW, 2009. (ph) 02 8584 8888 (fax) 02 8554 8800  
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 Level 6, Grain Pool Bld, 172 St Georges Tce, WA, 6850. (ph) 08 9321 5200 (fax) 08 9321 5262  
 53 Bonville Avenue, Thornton, NSW, 2322. (ph) 02 4964 2150 (fax) 02 4964 2152  
 Suite 3/146 Gordon Street, Port Macquarie, NSW, 2444. (ph) 02 6584 7155 (fax) 02 6584 7160

Project No: 0201610

Project Name: Former Asbestos Depot

Project Location: Brisbane St, Brisbane, QLD

Project Manager: sch4p4(6) Personal information

Sampler: sch4p4(6) Personal information

COC Number

A 05215

Laboratory

General Analysis Requirements

1. Turn Around Time (please tick:  1 Day  2 Days  3 Days  Normal TAT)
2. Do you wish any sediment layers in water to be excluded from extractions?
3. Additional QA/QC reported where sample batches are < 10 samples?
4. % of extraneous material removed from samples to be reported as per NEPM 5.1.1?

Yes (tick)

| Laboratory Number | Sample ID | Sample Depth | Sample Date | Sample Time | Matrix |       |       |     | Preservation |        |       |       | Containers (number/type) | BTEX | TPH (C6-C9 P & T) + TPH (C10-C36) | Specialized TPH | VOC Scan (USEPA 8260 List) | SVOC Scan (USEPA 8270 List) | OC OF Pesticides | PAH | Phenols | PCB | Metals* (dissolved / total) | Type I<br>Type II<br>Type IV<br>Type III | Other Comments on sample (eg: high voc, highly contaminated, special detector limits etc) |  |
|-------------------|-----------|--------------|-------------|-------------|--------|-------|-------|-----|--------------|--------|-------|-------|--------------------------|------|-----------------------------------|-----------------|----------------------------|-----------------------------|------------------|-----|---------|-----|-----------------------------|--|---|--|
|                   |           |              |             |             | Soil   | Water | Other | Ice | Acid         | Filter | Other | Other |                          |      |                                   |                 |                            |                             |                  |     |         |     |                             |  |   |  |
| CCM1042           | V26-2.2   | 140308       | 14/03       |             | X      |       |       | X   |              |        |       |       |                          |      |                                   |                 |                            |                             |                  |     |         |     |                             |  |   |  |
| CCM1040           | V27-2.2   | 140308       | 14/03       |             | X      |       |       | X   |              |        |       |       |                          |      |                                   |                 |                            |                             |                  |     |         |     |                             |  |   |  |
| CCM1044           | V28-2.2   | 140308       | 14/03       |             | X      |       |       | X   |              |        |       |       |                          |      |                                   |                 |                            |                             |                  |     |         |     |                             |  |   |  |
| CCM1040           | V29-2.2   | 140308       | 14/03       |             | X      |       |       | X   |              |        |       |       |                          |      |                                   |                 |                            |                             |                  |     |         |     |                             |  |   |  |
| CCM1040           | V30-1.5   | 140308       | 14/03       |             | X      |       |       | X   |              |        |       |       |                          |      |                                   |                 |                            |                             |                  |     |         |     |                             |  |   |  |
| CCM1040           | V31-1.5   | 140308       | 14/03       |             | X      |       |       | X   |              |        |       |       |                          |      |                                   |                 |                            |                             |                  |     |         |     |                             |  |   |  |
| CCM1040           | V32-1.5   | 140308       | 14/03       |             | X      |       |       | X   |              |        |       |       |                          |      |                                   |                 |                            |                             |                  |     |         |     |                             |  |   |  |
| CCM1040           | V33-1.5   | 140308       | 14/03       |             | X      |       |       | X   |              |        |       |       |                          |      |                                   |                 |                            |                             |                  |     |         |     |                             |  |   |  |
| CCM1040           | V34       | 140308       | 14/03       |             | X      |       |       | X   |              |        |       |       |                          |      |                                   |                 |                            |                             |                  |     |         |     |                             |  |   |  |
| CCM1040           | V35-1.5   | 140308       | 14/03       |             | X      |       |       | X   |              |        |       |       |                          |      |                                   |                 |                            |                             |                  |     |         |     |                             |  |   |  |
| CCM1040           | V36-1.5   | 140308       | 14/03       |             | X      |       |       | X   |              |        |       |       |                          |      |                                   |                 |                            |                             |                  |     |         |     |                             |  |   |  |
| CCM1040           | V37-1.5   | 140308       | 14/03       |             | X      |       |       | X   |              |        |       |       |                          |      |                                   |                 |                            |                             |                  |     |         |     |                             |  |   |  |
| CCM1040           | V38-1.5   | 140308       | 14/03       |             | X      |       |       | X   |              |        |       |       |                          |      |                                   |                 |                            |                             |                  |     |         |     |                             |  |   |  |
| CCM1040           | V39-1.5   | 140308       | 14/03       |             | X      |       |       | X   |              |        |       |       |                          |      |                                   |                 |                            |                             |                  |     |         |     |                             |  |   |  |
| CCM1040           | PB        | 140308       | 14/03       |             | X      |       |       | X   |              |        |       |       |                          |      |                                   |                 |                            |                             |                  |     |         |     |                             |  |   |  |
| CCM1040           | SP1       | 140308       | 14/03       |             | X      |       |       | X   |              |        |       |       |                          |      |                                   |                 |                            |                             |                  |     |         |     |                             |  |   |  |
| CCM1040           | SP2       | 140308       | 14/03       |             | X      |       |       | X   |              |        |       |       |                          |      |                                   |                 |                            |                             |                  |     |         |     |                             |  |   |  |

Comments:

\*Metals (circle)

As Cd Cr Cu Hg Ni Pb Zn

Relinquished by: sch4p4(6) Personal information

Signed: sch4p4(6) Personal information

Date/Time: 19/03/08

Received by: sch4p4(6) Personal information

223829 Date/Time: 20/3/08 9.3

21-373

Relinquished by:

Signed:

Date/Time:

Received by:

Date/Time:

# CERTIFICATE OF ANALYSIS

ERM  
Level 1, 60 Leichhardt street  
Spring Hill  
QLD 4004  
Site: 0081610 FORMER QUILPIC DEPOT

Report Number: 223829 Page 1 of 66  
Order Number:  
Date Received: Mar 20, 2008  
Date Sampled: Mar 12, 2008  
Date Reported: Mar 31, 2008  
Contact: sch4p4(6) Personal information

## Methods

- USEPA 6010B Heavy Metals & USEPA 7470/71 Mercury
- USEPA 8141A Organophosphorus Pesticides
- USEPA 8270C Phenols
- USEPA 8082 Polychlorinated Biphenyls
- USEPA 8081A Organochlorine Pesticides
- USEPA 8270C Polycyclic Aromatic Hydrocarbons
- USEPA 8260B - MGT 350A Monocyclic Aromatic Hydrocarbons
- MGT100A-GC Total Recoverable Hydrocarbons
- USEPA 6020 Heavy Metals
- Method 102 - ANZECC - % Moisture
- APHA 3500-Cr Hexavalent Chromium- (Extraction:- USEPA3060)

## Comments

## Notes

1. The results in this report supersede any previously corresponded results.
2. All Soil Results are reported on a dry basis.
3. Samples are analysed on an as received basis.
4. LOR's are matrix dependent. Stated LOR's may be raised where sample extracts are diluted due to interferences.

## ABBREVIATIONS

mg/kg : milligrams per kilograms, mg/L : milligrams per litre, ppm : parts per million,  
LOR : Limit of Reporting  
RPD : Relative Percent Difference  
CRM : Certified Reference Material  
LCS : Laboratory Control Sample

Authorised

Report Number: 223829

sch4p4(6) Personal information

Laboratory Manager  
NATA Signatory

Chief Organic Chemist  
NATA Signatory

Chief Inorganic Chemist



NATA Accredited  
Laboratory Number 1261  
The tests, calibrations or measurements covered by this document have been performed in accordance with NATA requirements which include the requirements of ISO/IEC 17025 and are traceable to national standards of measurement. This document shall not be reproduced, except in full.



| ERM<br>Level 1, 60 Leichhardt street<br>Spring Hill<br>QLD 4004 | Client Sample ID |       | CCM104Q_VP1_130308 | CCM104Q_VP2_130308 | CCM104Q_VP3_130308 | CCM104Q_VP4_130308 |
|---|------------------|-------|--------------------|--------------------|--------------------|--------------------|
|   | Lab Number       |       | 08-MA08236         | 08-MA08237         | 08-MA08238         | 08-MA08239         |
|   | Matrix           |       | Soil               | Soil               | Soil               | Soil               |
|   | Sample Date      |       | Mar 13, 2008       | Mar 13, 2008       | Mar 13, 2008       | Mar 13, 2008       |
|   | Analysis Type    | LOR   | Units              |                    |                    |                    |
| <b>Total Recoverable Hydrocarbons</b>                           |                  |       |                    |                    |                    |                    |
| TRH C6-C9 Fraction by GC  | 20               | mg/kg | < 20               | 250                | 89                 | 41                 |
| TRH C10-C14 Fraction by GC                                      | 50               | mg/kg | < 50               | 1100               | 380                | 210                |
| TRH C15-C28 Fraction by GC                                      | 100              | mg/kg | < 100              | 1900               | 330                | 280                |
| TRH C29-C36 Fraction by GC                                      | 100              | mg/kg | < 100              | < 100              | < 100              | < 100              |
| <b>Monocyclic Aromatic Hydrocarbons</b>                         |                  |       |                    |                    |                    |                    |
| Benzene   | 0.05             | mg/kg | < 0.05             | 2.4                | < 0.05             | < 0.05             |
| Toluene   | 0.05             | mg/kg | < 0.05             | 0.17               | 2.6                | 0.29               |
| Ethylbenzene  | 0.05             | mg/kg | < 0.05             | 4.2                | 4.1                | 1.5                |
| Xylenes(ortho.meta and para)                                    | 0.05             | mg/kg | < 0.05             | 17                 | 27                 | 9.6                |
| Fluorobenzene (surr.)   | 1                | %     | 84                 | 105                | 94                 | 75                 |
| <b>Polycyclic Aromatic Hydrocarbons</b>                         |                  |       |                    |                    |                    |                    |
| Acenaphthene  | 0.1              | mg/kg | < 0.1              | < 0.1              | -                  | < 0.1              |
| Acenaphthylene  | 0.1              | mg/kg | < 0.1              | < 0.1              | -                  | < 0.1              |
| Anthracene  | 0.1              | mg/kg | < 0.1              | < 0.1              | -                  | < 0.1              |
| Benz(a)anthracene   | 0.1              | mg/kg | < 0.1              | < 0.1              | -                  | < 0.1              |
| Benzo(a)pyrene  | 0.1              | mg/kg | < 0.1              | < 0.1              | -                  | < 0.1              |
| Benzo(b)fluoranthene  | 0.1              | mg/kg | < 0.1              | < 0.1              | -                  | < 0.1              |
| Benzo(g,h,i)perylene  | 0.1              | mg/kg | < 0.1              | < 0.1              | -                  | < 0.1              |
| Benzo(k)fluoranthene  | 0.1              | mg/kg | < 0.1              | < 0.1              | -                  | < 0.1              |
| Chrysene  | 0.1              | mg/kg | < 0.1              | < 0.1              | -                  | < 0.1              |
| Dibenz(a,h)anthracene   | 0.1              | mg/kg | < 0.1              | < 0.1              | -                  | < 0.1              |
| Fluoranthene  | 0.1              | mg/kg | < 0.1              | < 0.1              | -                  | < 0.1              |
| Fluorene  | 0.1              | mg/kg | < 0.1              | < 0.2              | -                  | < 0.1              |
| Indeno(1,2,3-cd)pyrene  | 0.1              | mg/kg | < 0.1              | < 0.1              | -                  | < 0.1              |
| Naphthalene   | 0.1              | mg/kg | < 0.1              | 1.0                | -                  | 1.0                |
| Phenanthrene  | 0.1              | mg/kg | 0.2                | 0.4                | -                  | 0.2                |
| Pyrene  | 0.1              | mg/kg | < 0.1              | < 0.1              | -                  | < 0.1              |
| Total PAH   | 0.1              | mg/kg | 0.2                | 1.4                | -                  | 1.2                |
| Chrysene-d12 (surr.)  | 1                | %     | 117                | 100                | -                  | 90                 |
| 2-Fluorobiphenyl (surr.)  | 1                | %     | 110                | 91                 | -                  | 89                 |

COMMENTS:



3 Kingston Town Close, Oakleigh, Victoria 3166, Australia  
 Postal address: P. O. Box 276, Oakleigh, Victoria 3166, Australia  
 Telephone: (03) 9564 7055  
 Fax: (03) 9564 7190  
 Email: mgt@mgtenv.com.au

| ERM                           | Client Sample ID |              | CCM104Q_VP1_<br>130308 | CCM104Q_VP2_<br>130308 | CCM104Q_VP3_<br>130308 | CCM104Q_VP4_<br>130308 |
|-------------------------------|------------------|--------------|------------------------|------------------------|------------------------|------------------------|
| Level 1, 60 Leichhardt street | Lab Number       |              | 08-MA08236             | 08-MA08237             | 08-MA08238             | 08-MA08239             |
| Spring Hill                   | Matrix           |              | Soil                   | Soil                   | Soil                   | Soil                   |
| QLD 4004                      | Sample Date      |              | Mar 13, 2008           | Mar 13, 2008           | Mar 13, 2008           | Mar 13, 2008           |
| <b>Analysis Type</b>          | <b>LOR</b>       | <b>Units</b> |                        |                        |                        |                        |
| <b>Phenols</b>                |                  |              |                        |                        |                        |                        |
| 2-Chlorophenol                | 0.1              | mg/kg        | < 0.1                  | < 0.1                  | -                      | < 0.1                  |
| 2-Methylphenol (o-Cresol)     | 0.1              | mg/kg        | < 0.1                  | < 0.1                  | -                      | < 0.1                  |
| 2-Nitrophenol                 | 0.5              | mg/kg        | < 0.5                  | < 0.5                  | -                      | < 0.5                  |
| 2,4-Dichlorophenol            | 0.1              | mg/kg        | < 0.1                  | < 0.1                  | -                      | < 0.1                  |
| 2,4-Dimethylphenol            | 0.1              | mg/kg        | < 0.1                  | < 0.1                  | -                      | < 0.1                  |
| 2,4,6-Trichlorophenol         | 0.1              | mg/kg        | < 0.1                  | < 0.1                  | -                      | < 0.1                  |
| 2,6-Dichlorophenol            | 0.1              | mg/kg        | < 0.1                  | < 0.1                  | -                      | < 0.1                  |
| 3&4-Methylphenol (m&p-Cresol) | 0.2              | mg/kg        | < 0.2                  | < 0.2                  | -                      | < 0.2                  |
| 4-Chloro-3-methylphenol       | 0.1              | mg/kg        | < 0.1                  | < 0.1                  | -                      | < 0.1                  |
| Pentachlorophenol             | 0.5              | mg/kg        | < 0.5                  | < 0.5                  | -                      | < 0.5                  |
| Phenol                        | 0.1              | mg/kg        | < 0.1                  | < 0.1                  | -                      | < 0.1                  |
| Phenol-d6 (surr.)             | 1                | %            | 110                    | 83                     | -                      | 82                     |
|                               |                  |              |                        |                        |                        |                        |
| % Moisture                    | 0.1              | %            | 17                     | 12                     | 12                     | 9.3                    |
| <b>Heavy Metals</b>           |                  |              |                        |                        |                        |                        |
| Lead                          | 5                | mg/kg        | < 5                    | 6.4                    | 5.0                    | < 5                    |
|                               |                  |              |                        |                        |                        |                        |

COMMENTS:

MGT Report No. 223829  
 Page 3 of 66

ERM

| Level 1, 60 Leichhardt street<br>Spring Hill<br>QLD 4004 | Client Sample ID |       | CCM104Q_VP5_<br>130308 | CCM104Q_VP6_<br>130308 | CCM104Q_VP7_<br>130308 | CCM104Q_VP8_<br>130308 |
|--|------------------|-------|------------------------|------------------------|------------------------|------------------------|
|  | Lab Number       |       | 08-MA08240             | 08-MA08241             | 08-MA08242             | 08-MA08243             |
|  | Matrix           |       | Soil                   | Soil                   | Soil                   | Soil                   |
|  | Sample Date      |       | Mar 13, 2008           | Mar 13, 2008           | Mar 13, 2008           | Mar 13, 2008           |
| Analysis Type  | LOR              | Units |                        |                        |                        |                        |
| <b>Total Recoverable Hydrocarbons</b>                    |                  |       |                        |                        |                        |                        |
| TRH C6-C9 Fraction by GC                                 | 20               | mg/kg | 2800                   | < 20                   | < 20                   | < 20                   |
| TRH C10-C14 Fraction by GC                               | 50               | mg/kg | 1200                   | < 50                   | < 50                   | < 50                   |
| TRH C15-C28 Fraction by GC                               | 100              | mg/kg | 1400                   | < 100                  | < 100                  | < 100                  |
| TRH C29-C36 Fraction by GC                               | 100              | mg/kg | < 100                  | < 100                  | < 100                  | < 100                  |
| <b>Monocyclic Aromatic Hydrocarbons</b>                  |                  |       |                        |                        |                        |                        |
| Benzene  | 0.05             | mg/kg | 18                     | < 0.05                 | < 0.05                 | < 0.05                 |
| Toluene  | 0.05             | mg/kg | 410                    | < 0.05                 | < 0.05                 | < 0.05                 |
| Ethylbenzene   | 0.05             | mg/kg | 67                     | < 0.05                 | < 0.05                 | < 0.05                 |
| Xylenes(ortho.meta and para)                             | 0.05             | mg/kg | 460                    | < 0.05                 | < 0.05                 | < 0.05                 |
| Fluorobenzene (surr.)                                    | 1                | %     | 76                     | 82                     | 71                     | 70                     |
| <b>Polycyclic Aromatic Hydrocarbons</b>                  |                  |       |                        |                        |                        |                        |
| Acenaphthene   | 0.1              | mg/kg | -                      | < 0.1                  | -                      | < 0.1                  |
| Acenaphthylene   | 0.1              | mg/kg | -                      | < 0.1                  | -                      | < 0.1                  |
| Anthracene   | 0.1              | mg/kg | -                      | < 0.1                  | -                      | < 0.1                  |
| Benz(a)anthracene  | 0.1              | mg/kg | -                      | < 0.1                  | -                      | < 0.1                  |
| Benzo(a)pyrene   | 0.1              | mg/kg | -                      | < 0.1                  | -                      | < 0.1                  |
| Benzo(b)fluoranthene                                     | 0.1              | mg/kg | -                      | < 0.1                  | -                      | < 0.1                  |
| Benzo(g,h,i)perylene                                     | 0.1              | mg/kg | -                      | < 0.1                  | -                      | < 0.1                  |
| Benzo(k)fluoranthene                                     | 0.1              | mg/kg | -                      | < 0.1                  | -                      | < 0.1                  |
| Chrysene   | 0.1              | mg/kg | -                      | < 0.1                  | -                      | < 0.1                  |
| Dibenz(a,h)anthracene                                    | 0.1              | mg/kg | -                      | < 0.1                  | -                      | < 0.1                  |
| Fluoranthene   | 0.1              | mg/kg | -                      | < 0.1                  | -                      | < 0.1                  |
| Fluorene   | 0.1              | mg/kg | -                      | < 0.1                  | -                      | < 0.1                  |
| Indeno(1,2,3-cd)pyrene                                   | 0.1              | mg/kg | -                      | < 0.1                  | -                      | < 0.1                  |
| Naphthalene  | 0.1              | mg/kg | -                      | < 0.1                  | -                      | < 0.1                  |
| Phenanthrene   | 0.1              | mg/kg | -                      | < 0.1                  | -                      | < 0.1                  |
| Pyrene   | 0.1              | mg/kg | -                      | < 0.1                  | -                      | < 0.1                  |
| Total PAH  | 0.1              | mg/kg | -                      | < 0.1                  | -                      | < 0.1                  |
| Chrysene-d12 (surr.)                                     | 1                | %     | -                      | 100                    | -                      | 127                    |
| 2-Fluorobiphenyl (surr.)                                 | 1                | %     | -                      | 97                     | -                      | 103                    |

COMMENTS:

| ERM<br>Level 1, 60 Leichhardt street<br>Spring Hill<br>QLD 4004 | Client Sample ID |       | CCM104Q_VP5_<br>130308 | CCM104Q_VP6_<br>130308 | CCM104Q_VP7_<br>130308 | CCM104Q_VP8_<br>130308 |
|---|------------------|-------|------------------------|------------------------|------------------------|------------------------|
|   | Lab Number       |       | 08-MA08240             | 08-MA08241             | 08-MA08242             | 08-MA08243             |
|   | Matrix           |       | Soil                   | Soil                   | Soil                   | Soil                   |
|   | Sample Date      |       | Mar 13, 2008           | Mar 13, 2008           | Mar 13, 2008           | Mar 13, 2008           |
| Analysis Type   | LOR              | Units |                        |                        |                        |                        |
| <b>Phenols</b>  |                  |       |                        |                        |                        |                        |
| 2-Chlorophenol  | 0.1              | mg/kg | -                      | < 0.1                  | -                      | < 0.1                  |
| 2-Methylphenol (o-Cresol)                                       | 0.1              | mg/kg | -                      | < 0.1                  | -                      | < 0.1                  |
| 2-Nitrophenol   | 0.5              | mg/kg | -                      | < 0.5                  | -                      | < 0.5                  |
| 2,4-Dichlorophenol  | 0.1              | mg/kg | -                      | < 0.1                  | -                      | < 0.1                  |
| 2,4-Dimethylphenol  | 0.1              | mg/kg | -                      | < 0.1                  | -                      | < 0.1                  |
| 2,4,6-Trichlorophenol   | 0.1              | mg/kg | -                      | < 0.1                  | -                      | < 0.1                  |
| 2,6-Dichlorophenol  | 0.1              | mg/kg | -                      | < 0.1                  | -                      | < 0.1                  |
| 3&4-Methylphenol (m&p-Cresol)                                   | 0.2              | mg/kg | -                      | < 0.2                  | -                      | < 0.2                  |
| 4-Chloro-3-methylphenol   | 0.1              | mg/kg | -                      | < 0.1                  | -                      | < 0.1                  |
| Pentachlorophenol   | 0.5              | mg/kg | -                      | < 0.5                  | -                      | < 0.5                  |
| Phenol  | 0.1              | mg/kg | -                      | < 0.1                  | -                      | < 0.1                  |
| Phenol-d6 (surr.)   | 1                | %     | -                      | 96                     | -                      | 114                    |
| % Moisture  | 0.1              | %     | 15                     | 13                     | 15                     | 13                     |
| <b>Heavy Metals</b>   |                  |       |                        |                        |                        |                        |
| Lead  | 5                | mg/kg | 5.2                    | < 5                    | 19                     | 13                     |

COMMENTS:

| ERM<br>Level 1, 60 Leichhardt street<br>Spring Hill<br>QLD 4004<br>Analysis Type | Client Sample ID |       | CCM104Q_VP9_130308 | CCM104Q_VP10_130308 | CCM104Q_VP11_130308 | CCM104Q_VP12_130308 |
|--|------------------|-------|--------------------|---------------------|---------------------|---------------------|
|  | Lab Number       |       | 08-MA08244         | 08-MA08245          | 08-MA08246          | 08-MA08247          |
|  | Matrix           |       | Soil               | Soil                | Soil                | Soil                |
|  | Sample Date      |       | Mar 13, 2008       | Mar 13, 2008        | Mar 13, 2008        | Mar 13, 2008        |
|  | LOR              | Units |                    |                     |                     |                     |
| <b>Total Recoverable Hydrocarbons</b>  |                  |       |                    |                     |                     |                     |
| TRH C6-C9 Fraction by GC   | 20               | mg/kg | < 20               | < 20                | < 20                | < 20                |
| TRH C10-C14 Fraction by GC   | 50               | mg/kg | 1500               | < 50                | 3800                | < 50                |
| TRH C15-C28 Fraction by GC   | 100              | mg/kg | 3300               | 160                 | 7900                | < 100               |
| TRH C29-C36 Fraction by GC   | 100              | mg/kg | < 100              | < 100               | < 100               | < 100               |
| <b>Monocyclic Aromatic Hydrocarbons</b>  |                  |       |                    |                     |                     |                     |
| Benzene  | 0.05             | mg/kg | < 0.05             | < 0.05              | < 0.05              | < 0.05              |
| Toluene  | 0.05             | mg/kg | 0.14               | < 0.05              | < 0.1               | < 0.05              |
| Ethylbenzene   | 0.05             | mg/kg | 0.64               | < 0.05              | < 0.05              | < 0.05              |
| Xylenes(ortho.meta and para)   | 0.05             | mg/kg | 0.26               | < 0.05              | < 0.1               | < 0.05              |
| Fluorobenzene (surr.)  | 1                | %     | 84                 | 79                  | 77                  | 79                  |
| <b>Polycyclic Aromatic Hydrocarbons</b>  |                  |       |                    |                     |                     |                     |
| Acenaphthene   | 0.1              | mg/kg | -                  | < 0.1               | -                   | < 0.1               |
| Acenaphthylene   | 0.1              | mg/kg | -                  | < 0.1               | -                   | < 0.1               |
| Anthracene   | 0.1              | mg/kg | -                  | < 0.1               | -                   | < 0.1               |
| Benz(a)anthracene  | 0.1              | mg/kg | -                  | < 0.1               | -                   | < 0.1               |
| Benzo(a)pyrene   | 0.1              | mg/kg | -                  | < 0.1               | -                   | < 0.1               |
| Benzo(b)fluoranthene   | 0.1              | mg/kg | -                  | < 0.1               | -                   | < 0.1               |
| Benzo(g,h,i)perylene   | 0.1              | mg/kg | -                  | < 0.1               | -                   | < 0.1               |
| Benzo(k)fluoranthene   | 0.1              | mg/kg | -                  | < 0.1               | -                   | < 0.1               |
| Chrysene   | 0.1              | mg/kg | -                  | < 0.1               | -                   | < 0.1               |
| Dibenz(a,h)anthracene  | 0.1              | mg/kg | -                  | < 0.1               | -                   | < 0.1               |
| Fluoranthene   | 0.1              | mg/kg | -                  | < 0.1               | -                   | < 0.1               |
| Fluorene   | 0.1              | mg/kg | -                  | < 0.1               | -                   | < 0.1               |
| Indeno(1,2,3-cd)pyrene   | 0.1              | mg/kg | -                  | < 0.1               | -                   | < 0.1               |
| Naphthalene  | 0.1              | mg/kg | -                  | < 0.1               | -                   | < 0.1               |
| Phenanthrene   | 0.1              | mg/kg | -                  | < 0.1               | -                   | < 0.1               |
| Pyrene   | 0.1              | mg/kg | -                  | < 0.1               | -                   | < 0.1               |
| Total PAH  | 0.1              | mg/kg | -                  | < 0.1               | -                   | < 0.1               |
| Chrysene-d12 (surr.)   | 1                | %     | -                  | 97                  | -                   | 116                 |
| 2-Fluorobiphenyl (surr.)   | 1                | %     | -                  | 86                  | -                   | 112                 |

COMMENTS:



| ERM                           | Client Sample ID |              | CCM104Q_VP9_130308 | CCM104Q_VP10_130308 | CCM104Q_VP11_130308 | CCM104Q_VP12_130308 |
|-------------------------------|------------------|--------------|--------------------|---------------------|---------------------|---------------------|
| Level 1, 60 Leichhardt street | Lab Number       |              | 08-MA08244         | 08-MA08245          | 08-MA08246          | 08-MA08247          |
| Spring Hill                   | Matrix           |              | Soil               | Soil                | Soil                | Soil                |
| QLD 4004                      | Sample Date      |              | Mar 13, 2008       | Mar 13, 2008        | Mar 13, 2008        | Mar 13, 2008        |
| <b>Analysis Type</b>          | <b>LOR</b>       | <b>Units</b> |                    |                     |                     |                     |
| <b>Phenols</b>                |                  |              |                    |                     |                     |                     |
| 2-Chlorophenol                | 0.1              | mg/kg        | -                  | < 0.1               | -                   | < 0.1               |
| 2-Methylphenol (o-Cresol)     | 0.1              | mg/kg        | -                  | < 0.1               | -                   | < 0.1               |
| 2-Nitrophenol                 | 0.5              | mg/kg        | -                  | < 0.5               | -                   | < 0.5               |
| 2,4-Dichlorophenol            | 0.1              | mg/kg        | -                  | < 0.1               | -                   | < 0.1               |
| 2,4-Dimethylphenol            | 0.1              | mg/kg        | -                  | < 0.1               | -                   | < 0.1               |
| 2,4,6-Trichlorophenol         | 0.1              | mg/kg        | -                  | < 0.1               | -                   | < 0.1               |
| 2,6-Dichlorophenol            | 0.1              | mg/kg        | -                  | < 0.1               | -                   | < 0.1               |
| 3&4-Methylphenol (m&p-Cresol) | 0.2              | mg/kg        | -                  | < 0.2               | -                   | < 0.2               |
| 4-Chloro-3-methylphenol       | 0.1              | mg/kg        | -                  | < 0.1               | -                   | < 0.1               |
| Pentachlorophenol             | 0.5              | mg/kg        | -                  | < 0.5               | -                   | < 0.5               |
| Phenol                        | 0.1              | mg/kg        | -                  | < 0.1               | -                   | < 0.1               |
| Phenol-d6 (surr.)             | 1                | %            | -                  | 93                  | -                   | 106                 |
|                               |                  |              |                    |                     |                     |                     |
| % Moisture                    | 0.1              | %            | 12                 | 10                  | 11                  | 9.5                 |
| <b>Heavy Metals</b>           |                  |              |                    |                     |                     |                     |
| Lead                          | 5                | mg/kg        | 9.7                | < 5                 | 7.1                 | 5.5                 |
|                               |                  |              |                    |                     |                     |                     |

COMMENTS:

ERM

| Level 1, 60 Leichhardt street<br>Spring Hill<br>QLD 4004 | Client Sample ID |       | CCM104Q_VP13_130308 | CCM104Q_VP14_130308 | CCM104Q_VP15_130308 | CCM104Q_VP16_130308 |
|--|------------------|-------|---------------------|---------------------|---------------------|---------------------|
|  | Lab Number       |       | 08-MA08248          | 08-MA08249          | 08-MA08250          | 08-MA08251          |
|  | Matrix           |       | Soil                | Soil                | Soil                | Soil                |
|  | Sample Date      |       | Mar 13, 2008        | Mar 13, 2008        | Mar 13, 2008        | Mar 13, 2008        |
| Analysis Type  | LOR              | Units |                     |                     |                     |                     |
| <b>Total Recoverable Hydrocarbons</b>                    |                  |       |                     |                     |                     |                     |
| TRH C6-C9 Fraction by GC                                 | 20               | mg/kg | < 20                | < 20                | < 20                | < 20                |
| TRH C10-C14 Fraction by GC                               | 50               | mg/kg | < 50                | 1400                | < 50                | < 50                |
| TRH C15-C28 Fraction by GC                               | 100              | mg/kg | < 100               | 4100                | < 100               | < 100               |
| TRH C29-C36 Fraction by GC                               | 100              | mg/kg | < 100               | < 100               | < 100               | < 100               |
| <b>Monocyclic Aromatic Hydrocarbons</b>                  |                  |       |                     |                     |                     |                     |
| Benzene  | 0.05             | mg/kg | < 0.05              | < 0.05              | < 0.05              | < 0.05              |
| Toluene  | 0.05             | mg/kg | < 0.05              | < 0.05              | < 0.05              | < 0.05              |
| Ethylbenzene   | 0.05             | mg/kg | < 0.05              | < 0.05              | < 0.05              | < 0.05              |
| Xylenes(ortho.meta and para)                             | 0.05             | mg/kg | < 0.05              | < 0.05              | 0.15                | < 0.05              |
| Fluorobenzene (surr.)                                    | 1                | %     | 78                  | 91                  | 81                  | 90                  |
| <b>Polycyclic Aromatic Hydrocarbons</b>                  |                  |       |                     |                     |                     |                     |
| Acenaphthene   | 0.1              | mg/kg | -                   | < 0.1               | -                   | < 0.1               |
| Acenaphthylene   | 0.1              | mg/kg | -                   | < 0.1               | -                   | < 0.1               |
| Anthracene   | 0.1              | mg/kg | -                   | < 0.1               | -                   | < 0.1               |
| Benz(a)anthracene  | 0.1              | mg/kg | -                   | < 0.1               | -                   | < 0.1               |
| Benzo(a)pyrene   | 0.1              | mg/kg | -                   | < 0.1               | -                   | < 0.1               |
| Benzo(b)fluoranthene                                     | 0.1              | mg/kg | -                   | < 0.1               | -                   | < 0.1               |
| Benzo(g,h,i)perylene                                     | 0.1              | mg/kg | -                   | < 0.1               | -                   | < 0.1               |
| Benzo(k)fluoranthene                                     | 0.1              | mg/kg | -                   | < 0.1               | -                   | < 0.1               |
| Chrysene   | 0.1              | mg/kg | -                   | < 0.1               | -                   | < 0.1               |
| Dibenz(a,h)anthracene                                    | 0.1              | mg/kg | -                   | < 0.1               | -                   | < 0.1               |
| Fluoranthene   | 0.1              | mg/kg | -                   | < 0.1               | -                   | < 0.1               |
| Fluorene   | 0.1              | mg/kg | -                   | < 0.1               | -                   | < 0.1               |
| Indeno(1,2,3-cd)pyrene                                   | 0.1              | mg/kg | -                   | < 0.1               | -                   | < 0.1               |
| Naphthalene  | 0.1              | mg/kg | -                   | < 0.1               | -                   | < 0.1               |
| Phenanthrene   | 0.1              | mg/kg | -                   | < 0.1               | -                   | < 0.1               |
| Pyrene   | 0.1              | mg/kg | -                   | < 0.1               | -                   | < 0.1               |
| Total PAH  | 0.1              | mg/kg | -                   | < 0.1               | -                   | < 0.1               |
| Chrysene-d12 (surr.)                                     | 1                | %     | -                   | 112                 | -                   | < 0.1               |
| 2-Fluorobiphenyl (surr.)                                 | 1                | %     | -                   | 115                 | -                   | 90                  |

COMMENTS:



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| ERM  | Client Sample ID |              | CCM104Q_VP13_130308 | CCM104Q_VP14_130308 | CCM104Q_VP15_130308 | CCM104Q_VP16_130308 |
|--|------------------|--------------|---------------------|---------------------|---------------------|---------------------|
| Level 1, 60 Leichhardt street<br>Spring Hill<br>QLD 4004 | Lab Number       |              | 08-MA08248          | 08-MA08249          | 08-MA08250          | 08-MA08251          |
|  | Matrix           |              | Soil                | Soil                | Soil                | Soil                |
|  | Sample Date      |              | Mar 13, 2008        | Mar 13, 2008        | Mar 13, 2008        | Mar 13, 2008        |
| <b>Analysis Type</b>                                     | <b>LOR</b>       | <b>Units</b> |                     |                     |                     |                     |
| <b>Phenols</b>   |                  |              |                     |                     |                     |                     |
| 2-Chlorophenol   | 0.1              | mg/kg        | -                   | < 0.1               | -                   | < 0.1               |
| 2-Methylphenol (o-Cresol)                                | 0.1              | mg/kg        | -                   | < 0.1               | -                   | < 0.1               |
| 2-Nitrophenol  | 0.5              | mg/kg        | -                   | < 0.5               | -                   | < 0.5               |
| 2,4-Dichlorophenol                                       | 0.1              | mg/kg        | -                   | < 0.1               | -                   | < 0.1               |
| 2,4-Dimethylphenol                                       | 0.1              | mg/kg        | -                   | < 0.1               | -                   | < 0.1               |
| 2,4,6-Trichlorophenol                                    | 0.1              | mg/kg        | -                   | < 0.1               | -                   | < 0.1               |
| 2,6-Dichlorophenol                                       | 0.1              | mg/kg        | -                   | < 0.1               | -                   | < 0.1               |
| 3&4-Methylphenol (m&p-Cresol)                            | 0.2              | mg/kg        | -                   | < 0.2               | -                   | < 0.2               |
| 4-Chloro-3-methylphenol                                  | 0.1              | mg/kg        | -                   | < 0.1               | -                   | < 0.1               |
| Pentachlorophenol  | 0.5              | mg/kg        | -                   | < 0.5               | -                   | < 0.5               |
| Phenol   | 0.1              | mg/kg        | -                   | < 0.1               | -                   | < 0.1               |
| Phenol-d6 (surr.)  | 1                | %            | -                   | 107                 | -                   | 89                  |
|  |                  |              |                     |                     |                     |                     |
| % Moisture   | 0.1              | %            | 10                  | 13                  | 9.6                 | 11                  |
| <b>Heavy Metals</b>                                      |                  |              |                     |                     |                     |                     |
| Lead   | 5                | mg/kg        | < 5                 | < 5                 | 5.4                 | 16                  |
|  |                  |              |                     |                     |                     |                     |

COMMENTS:

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| ERM<br>Level 1, 60 Leichhardt street<br>Spring Hill<br>QLD 4004<br>Analysis Type | Client Sample ID |       | CCM104Q_VP17_130308 | CCM104Q_QC1_130308 | CCM104Q_QC2_130308 | CCM104Q_QC3_130308 |
|--|------------------|-------|---------------------|--------------------|--------------------|--------------------|
|  | Lab Number       |       | 08-MA08252          | 08-MA08253         | 08-MA08254         | 08-MA08255         |
|  | Matrix           |       | Soil                | Soil               | Water              | Water              |
|  | Sample Date      |       | Mar 13, 2008        | Mar 13, 2008       | Mar 13, 2008       | Mar 13, 2008       |
|  | LOR              | Units |                     |                    |                    |                    |
| <b>Total Recoverable Hydrocarbons</b>  |                  |       |                     |                    |                    |                    |
| TRH C6-C9 Fraction by GC   | 20               | mg/kg | < 20                | < 20               | < 0.02             | < 0.02             |
| TRH C10-C14 Fraction by GC   | 50               | mg/kg | < 50                | 1600               | < 0.05             | < 0.05             |
| TRH C15-C28 Fraction by GC   | 100              | mg/kg | 140                 | 2100               | < 0.1              | < 0.1              |
| TRH C29-C36 Fraction by GC   | 100              | mg/kg | < 100               | < 100              | < 0.1              | < 0.1              |
| <b>Monocyclic Aromatic Hydrocarbons</b>  |                  |       |                     |                    |                    |                    |
| Benzene  | 0.05             | mg/kg | < 0.05              | < 0.05             | < 0.001            | < 0.001            |
| Toluene  | 0.05             | mg/kg | < 0.05              | < 0.05             | < 0.001            | < 0.001            |
| Ethylbenzene   | 0.05             | mg/kg | < 0.05              | 0.43               | < 0.001            | < 0.001            |
| Xylenes(ortho.meta and para)   | 0.05             | mg/kg | < 0.05              | < 0.1              | < 0.001            | < 0.001            |
| Fluorobenzene (surr.)  | 1                | %     | 82                  | 89                 | 95                 | 97                 |
| <b>Polycyclic Aromatic Hydrocarbons</b>  |                  |       |                     |                    |                    |                    |
| Acenaphthene   | 0.1              | mg/kg | -                   | < 0.5              | < 0.001            | < 0.001            |
| Acenaphthylene   | 0.1              | mg/kg | -                   | < 0.1              | < 0.001            | < 0.001            |
| Anthracene   | 0.1              | mg/kg | -                   | 0.4                | < 0.001            | < 0.001            |
| Benz(a)anthracene  | 0.1              | mg/kg | -                   | < 0.1              | < 0.001            | < 0.001            |
| Benzo(a)pyrene   | 0.1              | mg/kg | -                   | < 0.1              | < 0.001            | < 0.001            |
| Benzo(b)fluoranthene   | 0.1              | mg/kg | -                   | < 0.1              | < 0.001            | < 0.001            |
| Benzo(g,h,i)perylene   | 0.1              | mg/kg | -                   | < 0.1              | < 0.001            | < 0.001            |
| Benzo(k)fluoranthene   | 0.1              | mg/kg | -                   | < 0.1              | < 0.001            | < 0.001            |
| Chrysene   | 0.1              | mg/kg | -                   | < 0.1              | < 0.001            | < 0.001            |
| Dibenz(a,h)anthracene  | 0.1              | mg/kg | -                   | < 0.1              | < 0.001            | < 0.001            |
| Fluoranthene   | 0.1              | mg/kg | -                   | < 0.5              | < 0.001            | < 0.001            |
| Fluorene   | 0.1              | mg/kg | -                   | < 2                | < 0.001            | < 0.001            |
| Indeno(1,2,3-cd)pyrene   | 0.1              | mg/kg | -                   | < 0.1              | < 0.001            | < 0.001            |
| Naphthalene  | 0.1              | mg/kg | -                   | 2.4                | < 0.001            | < 0.001            |
| Phenanthrene   | 0.1              | mg/kg | -                   | 2.1                | < 0.001            | < 0.001            |
| Pyrene   | 0.1              | mg/kg | -                   | < 0.5              | < 0.001            | < 0.001            |
| Total PAH  | 0.1              | mg/kg | -                   | 4.9                | < 0.001            | < 0.001            |
| Chrysene-d12 (surr.)   | 1                | %     | -                   | 116                | 119                | 104                |
| 2-Fluorobiphenyl (surr.)   | 1                | %     | -                   | 101                | 87                 | 88                 |

COMMENTS:

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| ERM  | Client Sample ID |              | CCM104Q_VP17_130308 | CCM104Q_QC1_130308 | CCM104Q_QC2_130308 | CCM104Q_QC3_130308 |
|--|------------------|--------------|---------------------|--------------------|--------------------|--------------------|
| Level 1, 60 Leichhardt street<br>Spring Hill<br>QLD 4004 | Lab Number       |              | 08-MA08252          | 08-MA08253         | 08-MA08254         | 08-MA08255         |
|  | Matrix           |              | Soil                | Soil               | Water              | Water              |
|  | Sample Date      |              | Mar 13, 2008        | Mar 13, 2008       | Mar 13, 2008       | Mar 13, 2008       |
| <b>Analysis Type</b>                                     | <b>LOR</b>       | <b>Units</b> |                     |                    |                    |                    |
| <b>Phenols</b>   |                  |              |                     |                    |                    |                    |
| 2-Chlorophenol   | 0.1              | mg/kg        | -                   | < 0.1              | < 0.001            | < 0.001            |
| 2-Methylphenol (o-Cresol)                                | 0.1              | mg/kg        | -                   | < 0.1              | < 0.001            | < 0.001            |
| 2-Nitrophenol  | 0.5              | mg/kg        | -                   | < 0.5              | < 0.005            | < 0.005            |
| 2,4-Dichlorophenol                                       | 0.1              | mg/kg        | -                   | < 0.1              | < 0.001            | < 0.001            |
| 2,4-Dimethylphenol                                       | 0.1              | mg/kg        | -                   | < 0.1              | < 0.001            | < 0.001            |
| 2,4,6-Trichlorophenol                                    | 0.1              | mg/kg        | -                   | < 0.1              | < 0.001            | < 0.001            |
| 2,6-Dichlorophenol                                       | 0.1              | mg/kg        | -                   | < 0.1              | < 0.001            | < 0.001            |
| 3&4-Methylphenol (m&p-Cresol)                            | 0.2              | mg/kg        | -                   | < 0.2              | < 0.002            | < 0.002            |
| 4-Chloro-3-methylphenol                                  | 0.1              | mg/kg        | -                   | < 0.1              | < 0.001            | < 0.001            |
| Pentachlorophenol  | 0.5              | mg/kg        | -                   | < 0.5              | < 0.005            | < 0.005            |
| Phenol   | 0.1              | mg/kg        | -                   | < 0.1              | < 0.001            | < 0.001            |
| Phenol-d6 (surr.)  | 1                | %            | -                   | 100                | 90                 | 78                 |
|  |                  |              |                     |                    |                    |                    |
| % Moisture   | 0.1              | %            | 10                  | 14                 |                    |                    |
| <b>Heavy Metals</b>                                      |                  |              |                     |                    |                    |                    |
| Lead   | 5                | mg/kg        | 46                  | 6.4                | < 0.001            | < 0.001            |
|  |                  |              |                     |                    |                    |                    |

COMMENTS:

| ERM<br>Level 1, 60 Leichhardt street<br>Spring Hill<br>QLD 4004 | Client Sample ID |      | CCM104Q_QC4_140308 | CCM104Q_QC5_140308 | CCM104Q_QC6_140308 | CCM104Q_QC7_140308 |
|---|------------------|------|--------------------|--------------------|--------------------|--------------------|
|   | Lab Number       |      | 08-MA08256         | 08-MA08257         | 08-MA08258         | 08-MA08259         |
|   | Matrix           |      | Water              | Soil               | Soil               | Soil               |
|   | Sample Date      |      | Mar 14, 2008       | Mar 14, 2008       | Mar 14, 2008       | Mar 14, 2008       |
|   | Analysis Type    | LOR  | Units              |                    |                    |                    |
| <b>Total Recoverable Hydrocarbons</b>                           |                  |      |                    |                    |                    |                    |
| TRH C6-C9 Fraction by GC  | 0.02             | mg/L | < 0.02             | 92                 | 110                | < 20               |
| TRH C10-C14 Fraction by GC                                      | 0.05             | mg/L | < 0.05             | 6900               | 590                | < 50               |
| TRH C15-C28 Fraction by GC                                      | 0.1              | mg/L | < 0.1              | 6300               | 580                | < 100              |
| TRH C29-C36 Fraction by GC                                      | 0.1              | mg/L | < 0.1              | < 100              | < 100              | < 100              |
| <b>Monocyclic Aromatic Hydrocarbons</b>                         |                  |      |                    |                    |                    |                    |
| Benzene   | 0.001            | mg/L | < 0.001            | 0.31               | 0.21               | < 0.05             |
| Toluene   | 0.001            | mg/L | < 0.001            | < 0.05             | < 0.05             | < 0.05             |
| Ethylbenzene  | 0.001            | mg/L | < 0.001            | 3.3                | 2.0                | < 0.05             |
| Xylenes(ortho.meta and para)                                    | 0.001            | mg/L | < 0.001            | 3.3                | 3.0                | < 0.05             |
| Fluorobenzene (surr.)   | 1                | %    | 91                 | 74                 | 100                | 81                 |
| <b>Polycyclic Aromatic Hydrocarbons</b>                         |                  |      |                    |                    |                    |                    |
| Acenaphthene  | 0.001            | mg/L | < 0.001            | < 2                | < 0.2              | < 0.1              |
| Acenaphthylene  | 0.001            | mg/L | < 0.001            | < 1                | < 0.1              | < 0.1              |
| Anthracene  | 0.001            | mg/L | < 0.001            | < 1                | < 0.1              | < 0.1              |
| Benz(a)anthracene   | 0.001            | mg/L | < 0.001            | < 0.2              | 0.2                | < 0.1              |
| Benzo(a)pyrene  | 0.001            | mg/L | < 0.001            | < 0.1              | 0.1                | < 0.1              |
| Benzo(b)fluoranthene  | 0.001            | mg/L | < 0.001            | < 0.1              | 0.1                | < 0.1              |
| Benzo(g,h,i)perylene  | 0.001            | mg/L | < 0.001            | < 0.1              | < 0.1              | < 0.1              |
| Benzo(k)fluoranthene  | 0.001            | mg/L | < 0.001            | < 0.1              | 0.1                | < 0.1              |
| Chrysene  | 0.001            | mg/L | < 0.001            | < 0.1              | 0.3                | < 0.1              |
| Dibenz(a,h)anthracene   | 0.001            | mg/L | < 0.001            | < 0.1              | < 0.1              | < 0.1              |
| Fluoranthene  | 0.001            | mg/L | < 0.001            | < 0.5              | 0.8                | < 0.1              |
| Fluorene  | 0.001            | mg/L | < 0.001            | < 5                | < 1                | < 0.1              |
| Indeno(1,2,3-cd)pyrene  | 0.001            | mg/L | < 0.001            | < 0.1              | < 0.1              | < 0.1              |
| Naphthalene   | 0.001            | mg/L | < 0.001            | 21                 | 4.1                | < 0.1              |
| Phenanthrene  | 0.001            | mg/L | < 0.001            | 10                 | 1.6                | < 0.1              |
| Pyrene  | 0.001            | mg/L | < 0.001            | < 1                | 0.8                | < 0.1              |
| Total PAH   | 0.001            | mg/L | < 0.001            | 31                 | 8.1                | < 0.1              |
| Chrysene-d12 (surr.)  | 1                | %    | 96                 | 129                | 121                | 108                |
| 2-Fluorobiphenyl (surr.)  | 1                | %    | 95                 | 108                | 129                | 76                 |

COMMENTS:

| ERM<br>Level 1, 60 Leichhardt street<br>Spring Hill<br>QLD 4004 | Client Sample ID |       | CCM104Q_QC4_<br>140308 | CCM104Q_QC5_<br>140308 | CCM104Q_QC6_<br>140308 | CCM104Q_QC7_<br>140308 |
|---|------------------|-------|------------------------|------------------------|------------------------|------------------------|
|   | Lab Number       |       | 08-MA08256             | 08-MA08257             | 08-MA08258             | 08-MA08259             |
|   | Matrix           |       | Water                  | Soil                   | Soil                   | Soil                   |
|   | Sample Date      |       | Mar 14, 2008           | Mar 14, 2008           | Mar 14, 2008           | Mar 14, 2008           |
| Analysis Type   | LOR              | Units |                        |                        |                        |                        |
| <b>Phenols</b>  |                  |       |                        |                        |                        |                        |
| 2-Chlorophenol  | 0.001            | mg/L  | < 0.001                | < 0.1                  | < 0.1                  | < 0.1                  |
| 2-Methylphenol (o-Cresol)                                       | 0.001            | mg/L  | < 0.001                | < 0.1                  | < 0.1                  | < 0.1                  |
| 2-Nitrophenol   | 0.005            | mg/L  | < 0.005                | < 2                    | < 0.5                  | < 0.5                  |
| 2,4-Dichlorophenol  | 0.001            | mg/L  | < 0.001                | < 0.1                  | < 0.1                  | < 0.1                  |
| 2,4-Dimethylphenol  | 0.001            | mg/L  | < 0.001                | < 1                    | < 0.1                  | < 0.1                  |
| 2,4,6-Trichlorophenol   | 0.001            | mg/L  | < 0.001                | < 0.1                  | < 0.1                  | < 0.1                  |
| 2,6-Dichlorophenol  | 0.001            | mg/L  | < 0.001                | < 1                    | < 0.1                  | < 0.1                  |
| 3&4-Methylphenol (m&p-Cresol)                                   | 0.002            | mg/L  | < 0.002                | < 0.2                  | < 0.2                  | < 0.2                  |
| 4-Chloro-3-methylphenol   | 0.001            | mg/L  | < 0.001                | < 0.1                  | < 0.1                  | < 0.1                  |
| Pentachlorophenol   | 0.005            | mg/L  | < 0.005                | < 0.5                  | < 0.5                  | < 0.5                  |
| Phenol  | 0.001            | mg/L  | < 0.001                | < 0.1                  | < 0.1                  | < 0.1                  |
| Phenol-d6 (surr.)   | 1                | %     | 95                     | 103                    | 123                    | 79                     |
| % Moisture  | 0.1              | %     | -                      | 16                     | 14                     | 13                     |
| <b>Heavy Metals</b>   |                  |       |                        |                        |                        |                        |
| Lead  | 0.001            | mg/L  | < 0.001                | < 5                    | 7.3                    | < 5                    |

COMMENTS:

| ERM<br>Level 1, 60 Leichhardt street<br>Spring Hill<br>QLD 4004<br>Analysis Type | Client Sample ID |       | CCM104Q_QC8_140308 | CCM104Q_QC9_140308 | CCM104Q_QC10_140308 | CCM104Q_QC11_140308 |
|--|------------------|-------|--------------------|--------------------|---------------------|---------------------|
|  | Lab Number       |       | 08-MA08260         | 08-MA08261         | 08-MA08262          | 08-MA08263          |
|  | Matrix           |       | Soil               | Soil               | Soil                | Soil                |
|  | Sample Date      |       | Mar 14, 2008       | Mar 14, 2008       | Mar 14, 2008        | Mar 14, 2008        |
|  | LOR              | Units |                    |                    |                     |                     |
| <b>Total Recoverable Hydrocarbons</b>  |                  |       |                    |                    |                     |                     |
| TRH C6-C9 Fraction by GC   | 20               | mg/kg | < 20               | < 20               | 48                  | < 20                |
| TRH C10-C14 Fraction by GC   | 50               | mg/kg | < 50               | < 50               | 2600                | < 50                |
| TRH C15-C28 Fraction by GC   | 100              | mg/kg | < 100              | < 100              | 4300                | 140                 |
| TRH C29-C36 Fraction by GC   | 100              | mg/kg | < 100              | < 100              | < 100               | < 100               |
| <b>Monocyclic Aromatic Hydrocarbons</b>  |                  |       |                    |                    |                     |                     |
| Benzene  | 0.05             | mg/kg | < 0.05             | < 0.05             | < 0.05              | < 0.05              |
| Toluene  | 0.05             | mg/kg | < 0.05             | < 0.05             | 0.14                | < 0.05              |
| Ethylbenzene   | 0.05             | mg/kg | < 0.05             | < 0.05             | 1.8                 | < 0.05              |
| Xylenes(ortho.meta and para)   | 0.05             | mg/kg | < 0.05             | < 0.05             | 0.24                | < 0.05              |
| Fluorobenzene (surr.)  | 1                | %     | 134                | 108                | 76                  | 72                  |
| <b>Polycyclic Aromatic Hydrocarbons</b>  |                  |       |                    |                    |                     |                     |
| Acenaphthene   | 0.1              | mg/kg | < 0.1              | < 0.1              | < 2                 | < 0.1               |
| Acenaphthylene   | 0.1              | mg/kg | < 0.1              | < 0.1              | < 0.2               | < 0.1               |
| Anthracene   | 0.1              | mg/kg | < 0.1              | < 0.1              | < 0.1               | < 0.1               |
| Benz(a)anthracene  | 0.1              | mg/kg | < 0.1              | < 0.1              | < 0.1               | < 0.1               |
| Benzo(a)pyrene   | 0.1              | mg/kg | < 0.1              | < 0.1              | < 0.1               | < 0.1               |
| Benzo(b)fluoranthene   | 0.1              | mg/kg | < 0.1              | < 0.1              | < 0.1               | < 0.1               |
| Benzo(g,h,i)perylene   | 0.1              | mg/kg | < 0.1              | < 0.1              | < 0.1               | < 0.1               |
| Benzo(k)fluoranthene   | 0.1              | mg/kg | < 0.1              | < 0.1              | < 0.1               | < 0.1               |
| Chrysene   | 0.1              | mg/kg | < 0.1              | < 0.1              | < 0.1               | < 0.1               |
| Dibenz(a,h)anthracene  | 0.1              | mg/kg | < 0.1              | < 0.1              | < 0.1               | < 0.1               |
| Fluoranthene   | 0.1              | mg/kg | < 0.1              | < 0.1              | < 0.5               | < 0.1               |
| Fluorene   | 0.1              | mg/kg | < 0.1              | < 0.1              | < 0.5               | < 0.1               |
| Indeno(1,2,3-cd)pyrene   | 0.1              | mg/kg | < 0.1              | < 0.1              | < 0.1               | < 0.1               |
| Naphthalene  | 0.1              | mg/kg | < 0.1              | < 0.1              | < 1                 | < 0.1               |
| Phenanthrene   | 0.1              | mg/kg | < 0.1              | < 0.1              | 0.6                 | < 0.1               |
| Pyrene   | 0.1              | mg/kg | < 0.1              | < 0.1              | < 0.5               | < 0.1               |
| Total PAH  | 0.1              | mg/kg | < 0.1              | < 0.1              | 0.6                 | < 0.1               |
| Chrysene-d12 (surr.)   | 1                | %     | 99                 | 108                | 100                 | 120                 |
| 2-Fluorobiphenyl (surr.)   | 1                | %     | 80                 | 96                 | 91                  | 123                 |

COMMENTS: