emailed 10/9/14 Sch4p4(6) Signature

Eastmans ✓ EMR ✓ EDocs ✓

Information Notice

Environmental Protection Act 1994

Notice of decision to grant a soil disposal permit with conditions

This information notice is issued by the administering authority in accordance with section 424(5) of the Environmental Protection Act *1994 (EP Act) to advise you of a decision for your application for a soil disposal permit, and your review and appeal rights.*

Our Reference: 420517 (101/0011547)

Douglas Partners

439 Montague Road

West End QLD 4101

Attn: s.73 Principal Contact

Email: s.73

Re: Application to remove and dispose of contaminated soil from Sunshine Coast Airport, Friendship Avenue, Marcoola (Lot 699 on SP261024)

Decision

The administering authority has considered your application received on 27 August 2014 and decided to grant the application but to impose conditions on the permit.

Reasons for the decision

The granting of the permit subject to the conditions imposed is consistent with the standard criteria defined in schedule 4 of the *Environmental Protection Act 1994* (EP Act).

Assessment criteria used in making the decision

In accordance with section 424(4) of the EP Act in making its decision whether to grant or refuse the application for a disposal permit the administering authority has considered the standard criteria listed in Schedule 4 of the EP Act including:

- best practice environmental management for removal, treatment and disposal of contaminated soil
- any applicable environmental protection policy
- any applicable site investigation report or validation report or site management plan
- any applicable Commonwealth, State or local government plans, standards, agreements or requirements.

Released by EHP under the RTI Act 2009

Department of Environment and Heritage Protection
www.ehp.qld.gov.au ABN 46 640 294 485

Queensland Government

Findings as a result of the administering authority's assessment of the application

The information provided in the disposal permit application is sufficient to justify the disposal of the soil.

Information considered by the administering authority in making its determination

Information provided in the application submitted by Douglas Partners Pty Ltd ncluding:

- Part A and B application forms;
- Analysis Results; and
- Letter of Acceptance provided by Transpacific Industries Group dated 21 August 2014 stating they are willing to accept approximately 100m3 of asbestos impacted soils from Sunshine Coast Airport, Friendship Avenue, Marcoola (Lot 699 onSP261024) **to** Unlined Cell 5 at 100 Chum Street, New Chum (Lots 268 on SP103913 & 227 on SP103913)

Released by EHP under the RTI Act 2009

Review and appeal details

You may apply for an internal review of this decision under Chapter 11, Part 3 Division 2 of the EP Act in accordance with section 521 of the EP Act the application must be:

1. Made to the administering authority within 10 business days after receipt of this notice and be supported by enough information for the administering authority to decide the application;
2. Made to the administering authority in the approved form 'Application for internal review of an original decision' (EM219), which is available www.ehp.qld.gov.au using the publication number EM219 as a search term. The completed form must be sent to the address on the form; and
3. be supported by enough information to enable the authority to decide the application.

For more information see the Information sheet: Internal review and appeal to Planning and Environment Court.

An application to review a decision does not stay the original decision. If you apply for an internal review of this decision you can also apply to the chief executive (using the same form) or the Queensland Civil and Administrative Tribunal (using form 44: Application to stay a decision, available at www.qcat.qld.gov.au for a stay of the original decision.

Sections 519-522 of the *Environmental Protection Act 1994* cover the internal review process.

Sections 531-539 of the *Environmental Protection Act 1994* cover the appeal to Court process.

Should you have any questions in relation to this matter, please contact Waste and Contamination Assessment at WLCA@ehp.qld.gov.au

Sch4p4(6) Signature

Signature

10/9/14

Date

Enquiries:

s.73

Waste and Land Contamination Assessments
Department of Environment and Heritage Protection
Level 9, 400 George Street
GPO Box 2454
Brisbane QLD 4001
Phone 13 QGOV (13 74 68)

Email s.73

s.73

Delegate of the administering authority
Environmental Protection Act 1994

Released by EHP under the RTI Act 2009

Extracts from the *Environmental Protection Act 1994* regarding reviews and appeals

Procedure for review

s. 521

1. A dissatisfied person may apply for a review of an original decision.
2. The application must—
   a) be made in the approved form to the administering authority within—
      I. 14 days after the day on which the person receives notice of the original decision or the administering authority is taken to have made the decision (the "review date"); or
      II. the longer period the authority in special circumstances allows not later than the review date; and
   b) be supported by enough information to enable the authority to decide the application.
3. On or before making the application, the applicant must send the following documents to the other persons who were given notice of the original decision—
   a) notice of the application (the "review notice");
   b) a copy of the application and supporting documents.
4. The review notice must inform the recipient that submission on the application may be made to the administering authority within seven days after the application is made to the authority.
5. If the administering authority is satisfied the applicant has complied with subsection (2) and (3), the authority must, within 14 days after receiving the application—
   a) review the original decision;
   b) consider any submissions properly made by a recipient of the review notice; and
   c) make a decision (the "review decision") to—
      I. confirm or revoke the original decision; or
      II. vary the original decision in a way the administering authority considers appropriate.
6. The application does not stay the original decision.
7. The application must not be dealt with by—
   a) the person who made the original decision; or
   b) a person in a less senior office than the person who made the original decision.
8. Within 14 days after making the decision, the administering authority must give written notice of the decision to the applicant and persons who were given notice of the original decision.
9. The notice must—
   a) include the reasons for the review decision; and
   b) inform the person of their right of appeal against the decision.

Released by EHP under the RTI Act 2009

Releas

10. If the administering authority does not comply with subsections (5) or (8), the authority is taken to have made a decision confirming the original decision.
11. Subsection (7) applies despite section *Acts Interpretation Act 1954*, section 27A.
12. This section does not apply to an original decision made by—
    a) for a matter, the administration and enforcement of which has been devolved to a local government, the local government itself or the chief executive officer of the local government personally; or
    b) for another matter-the chief executive personally.

Stay of operation of original decisions

s. 522

1. If an application is made for review of an original decision, the applicant may immediately apply for a stay of the decision to—
    a) for an original decision mentioned in schedule 1, part 1 - the tribunal; or
    b) for an original decision mentioned in schedule 1, part 2 - the Court.
2. The tribunal or Court may stay the decision to secure the effectiveness of the review and any later appeal to the tribunal or Court.
3. A stay may be given on conditions the tribunal or the Court considers appropriate and has effect for the period stated by the tribunal or Court.
4. The period of a stay must not extend past the time when the administering authority reviews the decision and any later period the tribunal or the Court allows the applicant to appeal against the review decision.

Who may appeal

s. 531

1. A dissatisfied person who is dissatisfied with a review decision, other than a review decision to which subdivision 1 applies, may appeal against the decision to the Court.
2. The chief executive may appeal against another administering authority's decision (whether an original or review decision) to the Court.
3. A dissatisfied person who is dissatisfied with an original decision to which section 202 does not apply may appeal against the decision to the Court.

Released by EHP under the RTI Act 2009

SOIL DISPOSAL PERMIT
Environmental Protection Act 1994 (EP Act)

Disposal permit number: CLEB04860714

Commencement date: 08 September 2014

Expiry Date: 08 September 2015

Permit holder: Douglas Partners Pty Ltd

Authorised activity: Removal and disposal of approximately 100m3 of asbestos impacted soils from Sunshine Coast Airport, Friendship Avenue, Marcoola (Lot 699 onSP261024) **to** Unlined Cell 5 at 100 Chum Street, New Chum (Lots 268 on SP103913 & 227 on SP103913)

Maximum volume: **100m3**

This disposal permit is subject to the attached conditions in Schedule A.

The administering authority provides further information about the removal treatment and disposal of contaminated soil under section 424 of the EP Act on the EHP website at www.ehp.qld.gov.au. This document must be read in conjunction with any permit conditions found in Schedule A.

Released by EHP under the RTI Act 2009

Sch4p4(6) Signature

Signature

10/9/14

Date

s.73

Delegate of the administering authority
Environmental Protection Act 1994

Enquiries:

s.73

Waste and Land Contamination Assessments
Department of Environment and Heritage Protection
Level 9, 400 George Street
GPO Box 2454
Brisbane QLD 4001
Phone 13 QGOV (13 74 68)

Email s.73

Schedule A - Conditions

1. Records of soil removal, treatment and disposal authorised under this permit must be kept for a period of no less than seven years and be available to the administering authority by request. The information to be kept in the records must include:

   a. the quantity of material disposed; and

   b. acceptance receipts from the waste disposal/treatment facility.

2. The permit holder must provide a copy of the permit to any person acting under the permit.

3. Contaminated soil must not be released to air, land or water during excavation, loading, storage, treatment and transport of the soil in a manner that causes environmental harm.

Released by EHP under the RTI Act 2009

Relea

COVER SHEET

PaLM Non-DA TEAM - ADMINISTRATION PROCESSING General Application Details	
Applicant Name:	Douglas Partners Pty Ltd
Lot/Plan:	**699 SP261024**
Ecotrack Project reference:	**420517**
Site Address:	Sunshine Coast Airport, Friendship Avenue, Marcoola
Application Type:	**Non-DA Soil Disposal Permit**
PaLM Contact:	s.73
Ecotrack Application No:	**562824**
Ecotrack Permit reference:	**CLEB04860714**
Date Properly made/referred:	**27/8/14**
DATE DUE (10 BDs):	**10/9/14**

WLCA ADMINISTRATION PROCESSING	
Applications are generally received by Email	
	SAVE COVER SHEET; ELECTRONIC AND/OR SCANNED HARD COPY FILE PARTS **
	LOCATE & ORDER FILE (eDOCS/Records) **FILE Reference: BNE32073** 1011001154? ***Refer for eDOCS file path**
	MOVE FILE TO WLCA OFFICER AND UPDATE eDOCS LOCATION
	FORWARD HARD COPY FILE TO WLCA OFFICER LOCATION
APPLICATION ASSESSMENT DECISION	
	PRINT DECISION NOTICE AND PERMIT; DELEGATE TO SIGN & SAVE **
	POST or EMAIL (if email address provided on application) NOTICE & PERMIT TO APPLICANT/OWNER/LGA
	UPDATE ECOTRACK (Decision, Permit Effective Date & Expiry Date; Officer Responsible, Delegate, File Reference, &.Upload Notices)
	➢ **EMAIL COPY OF DECISION NOTICE TO:** emr.clr.registry@ehp.qld.gov.au
	COPY OVER FILES FROM LOCAL DIRECTORY/FOLDER TO eDOCS (** to ***)

****Save to: "\\chqfile2\groupdir\Environmental Services\Contaminated Land\DISPOSAL PERMITS AND SITE ASSESSMENTS" under the corresponding year; month; project number; as e.g. "Cover Sheet-Ecotrack Permit Reference #"**
*****eDOCS save to: ENVIRONMENTAL MANAGEMENT\CONTAMINATED SITES MANAGEMENT\Notifiable Activities or by Local Government Authority (request file creation using lot/plan description)**

Released by EHP under the RTI Act 2009

Douglas Partners
Geotechnics / Environment / Groundwater

Douglas Partners Pty Ltd
ABN 75 053 980 117
www.douglaspartners.com.au
439 Montague Road
West End QLD 4101
Phone (07) s.73
Fax (07) 3237 8999

Project 80648.01
26 August 2014
PB/al

Permit and Licence Management
Implementation and Support Unit
Department of Environment and Heritage Protection
GPO Box 2454
Brisbane Queensland 4001

Attention: Assessment Officer

RECEIVED
27 AUG 2014
Pal M

Application for Disposal Permit
Lot 699 on SP261024,
Sunshine Coast Airport, Friendship Avenue, Marcoola

Released by EHP under the RTI Act 2009

Please find attached the application forms and associated documents requesting a permit to dispose of contaminated soil from the above mentioned address.

Lot 699 on SP261024 is owned by the Sunshine Coast Regional Council. A copy of the current certificate of title is attached in Appendix A.

1. Justification of Request

Removal and off-site disposal of contaminated soil identified at the site is required following recent civil works.

A disposal permit is required under Section 424 of the *Environmental Protection Act 1994* as the property is listed on the Environmental Management Register (EMR Site ID 124728) for petroleum product or oil storage (Appendix B).

2. Contamination

A soil stockpile was investigated for contamination by aviation fuel existed as a result of a leaking fuel line.

Three grab samples were taken from the soil stockpile and analysed for petroleum hydrocarbons and lead. Soil sampling was carried out by Douglas Partners Pty Ltd (DP) representatives in accordance with AS 4482.1: 2005, AS 4482.2: 1999 and standard operating procedures described in the DP Field Procedures Manual to ensure the representativeness and integrity of samples.

Disposal to Landfill

Contaminated soil will be removed to Transpacific landfill facility, 100 Chum Street, New Chum (Lot 268 on SP103913) for disposal in their unlined cell 5 (TPH and lead impacted soil). A letter of acceptance from Transpacific is attached in Appendix F.

Thank you for the consideration of this application. Please contact the undersigned if any clarification or additional information is required.

Your early consideration of this application would be appreciated.

Yours faithfully
Douglas Partners Pty Ltd

Sch4p4(6) Signature

s.73

Principal – Environment

Attachments:

Appendix A	Current Certificates of Title
Appendix B	EMR Search Results
Appendix C	Summary of Analytical Results
Appendix D	Scaled Site Plans
Appendix E	Laboratory Reports and Chain of Custody Documentation
Appendix F	Landfill Letter of Acceptance

Released by EHP under the RTI Act 2009

Releas

Attachment A

Application for Disposal Permit

Released by EHP under the RTI Act 2009

Douglas Partners
Geotechnics / Environment / Groundwater

Douglas Partners Pty Ltd
ABN 75 053 980 117
www.douglaspartners.com.au
439 Montague Road
West End QLD 4101
Phone (07 s.73
Fax (07) 3237 8999

AE062368

Document Transmittal

RECEIVED
27 AUG 2014
Pat M

To	Permit and Licence Management Implementation and Support Unit **Department of Environment and Heritage Protection** **Level 3, 400 George Street** **Brisbane Queensland 4000**		
Attention	Assessment Officer		
Date	26 August 2014	**Project No.**	80648.01

We enclose the following:

Quantity	Title	Comments
1 Bound Copy	**Part A:** General Details for all Applications **Part B:** Application for Contaminated Soil Disposal Permit **Attachment A:** Application for Disposal Permit and associated appendices	

Released by EHP under the RTI Act 2009

Sent to you

- [ ] Project completed
- [ ] For your records
- [x] For your approval/comments
- [ ] Being returned
- [ ] As requested by
- [ ] To be checked and returned

Sent via

- [ ] Mail
- [x] Courier
- [ ] Other

Sch4p4(6) Signature

RECEIVED
27 AUG 2014
Pat M

Form

Corporate

Part A - General details for all applications

OFFICIAL USE ONLY

DATE RECEIVED

FILE REF

PROJECT REF

COMPLETE FORM ☐

ENTERED BY [SIGNATURE]

DATE

RECEIPTING DETAILS ONLY

DATE RECEIPTED

RECEIPT NUMBER

AMOUNT RECEIVED

$

PROCESSED BY (INITIALS AND NAME)

Important information for applicants

This form asks for general applicant details and a description of the proposed project and any associated activities. The completed form must be submitted together with relevant activity specific Part B forms.

Specific details must accompany this form to enable your application to be processed. The guide provided will help you complete your application correctly. If you have any difficulties completing the form, contact Permit and Licence Management on 1300 130 372 (Option 4). Please number all attachments alphabetically (e.g. 'Attachment A').

Commercial and confidential information must be marked clearly. This information will not be disclosed, except where required by law (including the *Right to Information Act 2009*). If subsequent activities are added to the project, you will be required to resubmit this application with details of the additional activity.

Tick relevant boxes below if the applicant(s) are:

- ☐ an individual or sole trader
- ☐ individuals in a partnership
- ☐ individual(s) acting on behalf of an unincorporated organisation

→ Go to Section 1

- ☒ an incorporated company
- ☐ an incorporated association
- ☐ a statutory authority
- ☐ a body politic

→ Go to Section 2

Released by EHP under the RTI Act 2009

Releas

Guide

Question 1

The applicant is the person intending to carry out the activity and in whose name the relevant permits or licences are to be issued.

The registered address is legally required for the serving of notices.

It is the address of a person and cannot be a post office box.

If more than one applicant as part of a partnership, complete the form Joint Applicant Details (EM1863) and attach to this form.

1 Individual applicant(s) details

APPLICANT'S FULL NAME	TITLE	DATE OF BIRTH

REGISTERED ADDRESS	POST CODE

PHONE	FAX	EMAIL

POSTAL ADDRESS (WRITE "AS ABOVE" IF THE SAME AS REGISTERED ADDRESS)	POST CODE

Guardian details (if applicable)

A parent or legal guardian must complete the following details if an applicant is less than 18 years of age.

GUARDIAN'S FULL NAME	DATE OF BIRTH

GUARDIAN'S REGISTERED ADDRESS	POST CODE

GUARDIAN'S SIGNATURE	DATE

→ Go to Section 3

Released by EHP under the RTI Act 2009

Releas

2 Applicant details

Question 2

The applicant is the registered legal entity (not a business trading name) intending to carry out the activity and in whose name the relevant permits or licences are to be issued.

The registered address is legally required for the serving of notices. It is the registered business address of the company making the application and cannot be a post office box.

Enter the Australian Business Number (ABN); or the Australian Company Number (ACN) of the incorporated company; or the Association Number (AN) of the incorporated association; or the title and section of the legislation that gives the statutory corporation its legal status.

REGISTERED LEGAL ENTITY NAME
Douglas Partners Pty Ltd

TRADING NAME (IF APPLICABLE)

REGISTERED ADDRESS	POST CODE
439 Montague Road, West End, Qld	4101

PHONE	FAX	E-MAIL/WEBSITE
s.73	07 3237 8999	s.73

POSTAL ADDRESS (WRITE "AS ABOVE" IF THE SAME AS REGISTERED ADDRESS)	POST CODE
as above	

ABN/ACN/AN OR TITLE AND SECTION OF LEGISLATION
75 053 980 117

Principal contact or person in charge details

PRINCIPAL CONTACT/PERSON IN CHARGE FULL NAME	TITLE
s.73	Mr

POSITION IN CORPORATION
Principal

TELEPHONE	FASCIMILE	E-MAIL/WEBSITE
s.73	07 3237 8999	s.73

POSTAL ADDRESS (WRITE "AS ABOVE" IF THE SAME AS REGISTERED ADDRESS)	POST CODE
as above	

Released by EHP under the RTI Act 2009

Release

Authorised signatory

The authorised signatory is the person authorised to sign an application on behalf of a corporation and in doing so declares that the corporation will be bound by the conditions associated with the granting of the licence or permit.

AUTHORIZED SIGNATORY FULL NAME	TITLE
s.73	Mr

POSITION IN CORPORATION
Principal

3 Project details

Pre-lodgement

Have you previously attended a pre-lodgement meeting or submitted a pre-lodgement form for this project?

☒ No

☐ Yes

PROJECT NUMBER (IF APPLICABLE)

Project description

Briefly describe the proposed activities, works, development or management.

Attach a separate sheet if there is insufficient space below.

DESCRIPTION
Removal of contaminated soil.

Released by EHP under the RTI Act 2009

Release

This information should at least provide enough details to allow a Department of Environment and Heritage Protection officer to locate the site of the proposal.

Give as much information as possible to accurately locate your activity, for example maps with contextual or boundary lines on plan or GPS boundary co-ordinates.

Geographical co-ordinates can include northing/easting, longitude/latitude.

Approvals required

Please list all Part B application forms you are attaching to this form.

APPLICATION FORMS
Part B- Application for contaminated soil disposal permit

Project site

Where will the activities be conducted? Provide the street address, real property description(s) of the land(s) in which the project is located and local government area. If you require more space, attach a separate sheet.

STREET ADDRESS	
Sunshine Coast Airport, Friendship Avenue, Marcoola	
LOT	PLAN
699	SP261024
LOCAL GOVERNMENT AREA	
Sunshine Coast	

If possible, provide a specific location within a protected area, a property name or an attached map with the project area clearly delineated. Also include the map name/details.

SPECIFIC LOCATION/PROPERTY NAME
PROTECTED AREA
GEOGRAPHICAL CO-ORDINATES

Label all attachments alphabetically

(e.g. 'Attachment A')

Attachments

List all attached documents, including maps containing information supporting this application in the space below. If there are no attachments mark "N/A."

ATTACHMENTS (LABEL ALL ATTACHMENTS ALPHABETICALLY – E.G. "ATTACHMENT A")
Attachment A - Application Letter and associated appendices

Released by EHP under the RTI Act 2009

Privacy statement

The Department of Environment and Heritage Protection is committed to protecting the privacy, accuracy and security of your personal information in accordance with the *Information Privacy Act 2009*. The department is collecting your personal information in accordance with the Act specified in the relevant Part B form in order to process your application. The information will only be accessed by authorised employees within the department. Some of this information may be given to another department or agency as indicated in the privacy statement on the relevant Part B form. Your information will not be given to any other person or agency unless you have given us permission or we are authorised or required by law. All information supplied on this form may be disclosed publicly in accordance with the *Right to Information Act 2009* and *Evidence Act 1977*. For queries about privacy matters email: AdminReview@ehp.qld.gov.au or telephone: (07) 3896 3705.

Further Information

The latest version of this publication can be found at <www.ehp.qld.gov.au>. Note: where available, the publication number (e.g. EM1124 for this document) can be used as a search term.

4 Applicant's certification

If you have not told the truth in this application you may be liable for prosecution under the relevant Acts or Regulations.

- I do solemnly and sincerely declare that the information provided is true and correct to the best of my knowledge.
- I understand that information supplied on or with this application form may be disclosed publicly in accordance with the *Right to Information Act 2009* and the *Evidence Act 1977*.

APPLICANT (1) SIGNATURE Sch4p4(6) Signature

Joint applicant signatures (if applicable)

APPLICANT(2) SIGNATURE

APPLICANT(3) SIGNATURE

APPLICANT(4) SIGNATURE

APPLICANT(5) SIGNATURE

DATE
26/08/2014

Complete the following checklist.

☒ Application form(s) signed and completed

☐ Permit fees paid or enclosed (if applicable)

☒ Supporting information attached (e.g. maps)

Please return your completed application to:

Permit and Licence Management
Implementation Support Unit
Department of Environment and Heritage Protection
GPO Box 2454
Brisbane Queensland 4001

Enquiries: 1300 130 372 (Option 4)
Fax: (07) 3330 5875
Email: palm@ehp.qld.gov.au

Released by EHP under the RTI Act 2009

Release

Form

Contaminated land

RECEIVED
27 AUG 2014
Park M

Part B—Application for contaminated soil disposal permit

This is the approved form for making an application to the administering authority for a disposal permit to treat or dispose of contaminated soil from land recorded in the environmental management register (EMR) or contaminated land register (CLR) under s. 424 of the Environmental Protection Act 1994 *(EP Act). Note: A contaminated soil disposal permit is not required if you are moving clean soil from a site on the EMR/CLR.*

This form should be completed and forwarded to the administering authority with the form Part A—General Details for all Applicants (EM1124)[1].

For more information about soil disposal permits see the Guideline for Contaminated Land Professionals (EM1200).

Released by EHP under the RTI Act 2009

1 Site information

1.1 Site location

Please provide details of site(s) the soil is proposed to be removed **from**

List any attachments provided.

FULL STREET ADDRESS OF SITE(S) Sunshine Coast Airport, Friendship Avenue, Marcoola	
LOT(S) 699	PLAN(S) SP261024
LOCAL GOVERNMENT AREA Sunshine Coast Regional Council	
ATTACHMENTS Attachment A - Application Letter	

1.2 Site investigation

Has a site investigation report been submitted to the Department of Environment and Heritage Protection (EHP)? If yes please provide a project reference or file number.

☒ NO ☐ YES EHP project reference or file number)

1.3 Certificate of Title

Please provide a copy of the current Certificate of Title to the land

[1] This is the publication number, which can be used as a search term to find the latest version of the publication at <www.qld.gov.au/environment>.

ABN46 640 294 485

Great state. Great opportunity.

Queensland Government

Release

☒ Enclosed with this application ☐ Submitted previously to EHP as part of a site investigation/validation report

1.4 Is the site currently recorded in the environmental management register or contaminated land register because the land has been used for a notifiable activity or has been contaminated by a hazardous contaminant?

☒ YES ☐ NO (If no, the owner or occupier of the land must submit a notification form to the administering authority, under chapter 371 of the EP Act)

2 Soil removal and disposal

2.1 Soil volume

What is the approximate volume (in cubic metres) of soil to be removed (allowing for excavation bulking)? Over estimate the amount as a new permit will be required if the limit is reached before the disposal is complete.

100 m3 of petroleum hydrocarbon and lead contaminated soil

2.2 Disposal period

What are the dates between which soil is proposed to be moved to the disposal location?

FROM DATE:	TO DATE:
1 September 2014	31 August 2015

Note: In accordance with section 424(7) of the EP Act soil disposal permits only authorise the disposal of soil for the term stated on the disposal permit.

2.3 Disposal location

What is the proposed disposal location?

Note: you must provide written acceptance of local government or registered owner of the site to receive the soil. If the soil is being disposed at a non local government administered landfill you must also provide a copy of the Certificate of Title

(a) ☐ **Proposed to dispose of soil at local government administered landfill site**

NAME AND ADDRESS OF LOCAL GOVERNMENT ADMINISTERED LANDFILL

☐ Written acceptance from the local government is enclosed

(b) ☒ **Proposed to dispose of soil at a non local government-administered landfill**

LOT(S) 268	PLAN(S) SP103913
FULL STREET ADDRESS OF SITE(S) TRANSPACIFIC, 100 CHUM STREET, NEW CHUM QLD 4303	

☒ Written acceptance from registered owner of site is enclosed with this application, stating the amount of soil and the type of contaminates present in the soil the non-

Released by EHP under the RTI Act 2009

Releas

government landfill has agreed it is able to accept in accordance with any condition imposed on the site accepting the soil.

(c) ☐ **Proposed to remove soil to another parcel of land on the EMR or CLR**

LOT(S)	PLAN(S)
FULL STREET ADDRESS OF SITE(S)	

☐ Accepting land is listed on the EMR or CLR

☐ Written acceptance from registered owner of site is enclosed with this application, stating the amount of soil and the type of contaminates present in the soil the site owner has agreed to accept.

3 Supporting information

3.1 Management options

Disposal to landfill should only be considered where no other method of dealing with the contaminated soil is available/viable. Please refer to the Guideline for Contaminated Land Professionals (EM1200) for further information on the remediation.

State reason(s) why on-site/off-site treatment or management is not proposed.

Lead levels are above the Airports/HIL-A criteria and elevated TPH is present.

3.2 Is it proposed to undertake validation sampling to confirm that all soil has been removed?

☒ NO ☐ YES

3.3 Provide a description of the contamination present in the soil to be removed

Petroleum hydrocarbons and lead

3.4 Please tick relevant boxes below to indicate that you have attached the following information with this application and list the relevant attachments. If a site investigation report has been or is being submitted to the administering authority, refer to the relevant sections of that report.

Required information	Attachment name / number and section
☒ Scaled plan showing soil sampling locations and contamination source(s)	
☒ Tabulation of soil analysis results	
☒ Toxicity Characteristic Leaching Procedure (TCLP) results from relevant soil samples	

Released by EHP under the RTI Act 2009

☒ Copies of all laboratory reports and sample receipt advices for all soil analysis	
☒ Explanation of location and depths of samples, how samples were collected, and how sample integrity was maintained	

Declaration

Note: If you do not tell the truth in this application you may be liable for prosecution under the relevant legislation.

- I do solemnly and sincerely declare that the information provided is true and correct to the best of my knowledge. I understand that it is an offence under s480 of the *Environmental Protection Act 1994* to give to the administering authority or an authorised person a document containing information that I know to be false, misleading or incomplete in a material particular; and
- I understand that all information supplied on or with this application form may be disclosed publicly in accordance with the *Right to Information Act 2009* and the *Evidence Act 1977*.

APPLICANT'S NAME	PRINT NAME OF APPOINTED SIGNATORY (IF APPLICABLE)
DOUGLAS PARTNERS PTY LTD	s.73

APPLICANT'S SIGNATURE/APPOINTED SIGNATORY	DATE
Sch4p4(6) Signature	25/08/2014

Released by EHP under the RTI Act 2009

4 Applicant checklist

Required	Not Applicable	
☒	☐	Part A form completed
☒	☐	All sections of the form have been completed
☒	☐	Letter of acceptance from landfill attached (if required).
☒	☐	Application form(s) signed and dated
☒	☐	Supporting information attached
☐	☒	Completed notification of land form (if the originating site is not listed on the EMR or CLR).

Please return your completed application kit to:

Permit and Licence Management
Implementation and Support Unit
Department of Environment and Heritage Protection
GPO Box 2454
Brisbane Queensland 4001
Enquiries: s.73 **(Option 4)**
Email: s.73

Releas

Appendix A

Current Certificates of Title

Released by EHP under the RTI Act 2009

Relea

CURRENT TITLE SEARCH

DEPT OF NATURAL RESOURCES AND MINES, QUEENSLAND

Request No: 19200741
Search Date: 19/08/2014 16:15

Title Reference: 50957069
Date Created: 28/07/2014

Previous Title: 40068595

REGISTERED OWNER

Dealing No: 715917131 28/07/2014

SUNSHINE COAST REGIONAL COUNCIL

ESTATE AND LAND

Estate in Fee Simple

LOT 699 SURVEY PLAN 261024
County of CANNING Parish of MAROOCHY
Local Government: SUNSHINE COAST

EASEMENTS, ENCUMBRANCES AND INTERESTS

1. Rights and interests reserved to the Crown by
   Deed of Grant No. 40068595 (Lot 699 on SP 261024)

2. LEASE No 602825645 (L865854Y) 29/03/1994
   OF PART OF THE LAND
   TO NAVAIR INTERNATIONAL FLYING COLLEGE PTY LTD
   TERM: COMMENCING 01/01/1994
   TERMINATING 31/12/2023

3. LEASE No 700610540 19/04/1995 at 11:52
   OF PART OF THE LAND
   TO MAROOCHYDORE AIRPORT TERMINAL SERVICES PTY LTD
   TERM: COMMENCING 01/11/1994
   TERMINATING 31/10/2024

4. TRANSFER No 708295188 15/12/2004 at 11:16
   LEASE: 700610540
   THE SHELL COMPANY OF AUSTRALIA LIMITED A.C.N. 004 610 459

5. AMENDMENT No 708295193 15/12/2004 at 11:16
   LEASE: 700610540

6. LEASE No 700637493 08/05/1995 at 13:50
   OF PART OF THE LAND
   TO AEROMECH PTY LTD
   TERM: COMMENCING 01/07/1994
   TERMINATING 30/06/2024

Released by EHP under the RTI Act 2009

Relea

CURRENT TITLE SEARCH

DEPT OF NATURAL RESOURCES AND MINES, QUEENSLAND

Request No: 19200741
Search Date: 19/08/2014 16:15

Title Reference: 50957069
Date Created: 28/07/2014

EASEMENTS, ENCUMBRANCES AND INTERESTS

7. SUB LEASE No 701451558 22/07/1996 at 10:29
   of
   LEASE: 700637493
   to
   AEROMIL (AUSTRALIA) PTY LTD A.C.N. 001 774 045
   Original term commencing
   01/11/1995
   Terminating
   29/06/2024
   so far as relates to
   PART,BEING LEASE A ON PLAN 96051-1

8. MORTGAGE No 706007693 04/10/2002 at 11:06
   CAPITAL FINANCE AUSTRALIA LIMITED A.C.N. 069 663 136
   over
   SUB LEASE: 701451558

9. MORTGAGE No 702603127 06/04/1998 at 09:35
   COMMONWEALTH BANK OF AUSTRALIA A.C.N. 123 123 124
   over
   LEASE: 700637493

10. MORTGAGE No 706007687 04/10/2002 at 11:05
    CAPITAL FINANCE AUSTRALIA LIMITED A.C.N. 069 663 136
    over
    LEASE: 700637493

11. LEASE No 700886542 03/10/1995 at 09:17
    OF PART OF THE LAND
    TO BRADBERG PTY.LTD.
    TERM: COMMENCING 01/07/1995
    TERMINATING 31/10/2024

12. TRUSTEE LEASE No 702027470 11/06/1997 at 16:04
    TOFTO PTY LTD A.C.N. 006 087 510
    OVER PART OF THE LAND

13. TRUSTEE LEASE No 702441218 09/01/1998 at 10:49
    to
    BRADLEY GEORGE WELCH
    OVER PART OF THE LAND

14. TRANSFER No 707622808 06/04/2004 at 12:33
    TRUSTEE LEASE: 702441218
    MICHAEL D'OTT BECKER
    JAN MAREE BECKER JOINT TENANTS

Released by EHP under the RTI Act 2009

Releas

CURRENT TITLE SEARCH

DEPT OF NATURAL RESOURCES AND MINES, QUEENSLAND

Request No: 19200741
Search Date: 19/08/2014 16:15

Title Reference: 50957069
Date Created: 28/07/2014

EASEMENTS, ENCUMBRANCES AND INTERESTS

15. MORTGAGE No 712222479 16/02/2009 at 11:30
WESTPAC BANKING CORPORATION A.B.N. 33 007 457 141
over
TRUSTEE LEASE: 702441218

16. TRUSTEE LEASE No 702553628 11/03/1998 at 12:02
AAQ INVESTMENTS PTY LTD A.C.N. 070 955 261 TRUSTEE
UNDER DOCUMENT 702553628
OF PART OF THE LAND AS SHOWN IN SKETCH

17. TRUSTEE LEASE No 703115230 14/01/1999 at 15:41
PETER JOSEPH EARL FOGARTY
OF PART OF THE LAND AS SHOWN IN SKETCH

18. TRANSFER No 712222477 16/02/2009 at 11:29
TRUSTEE LEASE: 703115230
NX-01 PTY LTD A.C.N. 010 457 952 TRUSTEE
UNDER INSTRUMENT 712222477

19. MORTGAGE No 712222478 16/02/2009 at 11:30
WESTPAC BANKING CORPORATION A.B.N. 33 007 457 141
over
TRUSTEE LEASE: 703115230

20. AMENDMENT OF LEASE No 712255924 04/03/2009 at 11:00
TRUSTEE LEASE: 703115230
TERM: 01/09/1996 TO 31/08/2026 OPTION NIL

21. TRUSTEE LEASE No 703610507 04/10/1999 at 14:24
KATHLEEN MARY CURRIE
OF PART OF THE LAND

22. TRUSTEE LEASE No 703610519 04/10/1999 at 14:27
TREVOR THOMAS STEEL
OF PART OF THE LAND

23. AMENDMENT OF LEASE No 715284368 29/08/2013 at 13:15
TRUSTEE LEASE: 703610519
TERM: 01/07/1999 TO 30/06/2029 OPTION NIL

24. TRUSTEE LEASE No 703610537 04/10/1999 at 14:30
STABILO PTY LTD A.C.N. 072 452 307
OF PART OF THE LAND AS SHOWN IN SKETCH

25. TRUSTEE LEASE No 704373071 18/10/2000 at 13:10
SUNSHINE COAST HELICOPTER RESCUE SERVICE LTD A.C.N. 010 104 560
OF PART OF THE LAND AS SHOWN IN SKETCH

Released by EHP under the RTI Act 2009

Releas

CURRENT TITLE SEARCH

DEPT OF NATURAL RESOURCES AND MINES, QUEENSLAND

Request No: 19200741
Search Date: 19/08/2014 16:15

Title Reference: 50957069
Date Created: 28/07/2014

EASEMENTS, ENCUMBRANCES AND INTERESTS

26. MORTGAGE No 711764327 30/06/2008 at 16:14
WESTPAC BANKING CORPORATION A.B.N. 33 007 457 141
over
TRUSTEE LEASE: 704373071

27. TRUSTEE LEASE No 707659871 21/04/2004 at 14:11
AERO DYNAMIC FLIGHT ACADEMY PTY LTD A.C.N. 100 800 913
OVER PART OF THE LAND

28. TRANSFER No 707783998 07/06/2004 at 14:34
TRUSTEE LEASE: 707659871
CHARBAY PTY LTD A.C.N. 106 060 217 TRUSTEE
UNDER INSTRUMENT 707783998

29. TRANSFER No 708945392 02/09/2005 at 10:16
TRUSTEE LEASE: 707659861
THE SHELL COMPANY OF AUSTRALIA LIMITED A.C.N. 004 610 459

30. AMENDMENT No 708945397 02/09/2005 at 10:17
TRUSTEE LEASE: 707659861

31. TRUSTEE LEASE No 709932180 13/09/2006 at 11:03
ADVANCED FLIGHT THEORY PTY LTD A.C.N. 061 870 166
OVER LEASES AB AND AC ON SP169827
TERM: 01/02/1997 TO 31/01/2027 OPTION NIL

32. PAR/SURRENDER No 712270627 11/03/2009 at 09:34
TRUSTEE LEASE: 709932180
SO FAR AS RELATES TO LEASE AC ON SP169827
EXCLUSIVE OF LEASE AN ON SP217358

33. TRUSTEE LEASE No 709999546 09/10/2006 at 10:00
SUNSHINE COAST HELICOPTER RESCUE SERVICE LTD A.C.N. 010 104 560
OVER PART OF THE LAND
TERM: 01/07/2004 TO 30/06/2024 OPTION NIL

34. TRANSFER No 711653455 16/05/2008 at 14:05
TRUSTEE LEASE: 709999546
AEROMIL (AUSTRALIA) PTY LTD A.C.N. 001 774 045

35. AMENDMENT OF LEASE No 711653462 16/05/2008 at 14:06
TRUSTEE LEASE: 709999546
TERM: 01/07/2004 TO 30/06/2024 OPTION NIL

Released by EHP under the RTI Act 2009

CURRENT TITLE SEARCH

DEPT OF NATURAL RESOURCES AND MINES, QUEENSLAND

Request No: 19200741
Search Date: 19/08/2014 16:15

Title Reference: 50957069
Date Created: 28/07/2014

EASEMENTS, ENCUMBRANCES AND INTERESTS

36. TRUSTEE LEASE No 710464317 30/03/2007 at 10:53
KENNEY AIKIN AIRCRAFT INSURANCE BROKERS PTY LTD A.C.N. 088 946 641
OF LEASE P ON SP176252
TERM: 01/12/2004 TO 30/11/2019 OPTION NIL

37. CHANGE OF NAME No 714659503 05/09/2012 at 15:25
TRUSTEE LEASE: 710464317
KENNEY AIKIN MANAGEMENT SERVICES PTY LTD A.C.N. 088 946 641

38. AMENDMENT OF LEASE No 714678637 17/09/2012 at 13:12
TRUSTEE LEASE: 710464317
TERM: 01/12/2004 TO 30/11/2019 OPTION NIL

39. SUB LEASE No 714721828 11/10/2012 at 13:55
TRUSTEE LEASE: 710464317
INTERNATIONAL HELICOPTER THEORY PTY LTD A.C.N. 102 341 328
OF LEASE P ON SP176252
TERM: 16/05/2012 TO 16/05/2019 OPTION NIL

40. TRUSTEE LEASE No 710464323 30/03/2007 at 10:53
W.T.H. PTY LTD A.C.N. 000 165 855
OF LEASES R AND Y ON SP176252
TERM: 01/01/2006 TO 31/12/2020 OPTION NIL

41. TRUSTEE LEASE No 710522544 23/04/2007 at 10:27
WHEELTON INVESTMENTS PTY LTD A.C.N. 006 549 177
LEASE V ON SP176252
TERM: 01/03/2006 TO 28/02/2021 OPTION NIL

42. TRUSTEE LEASE No 711600800 23/04/2008 at 14:43
CLA TRADING PTY LTD A.C.N. 082 220 399
OF LEASE W ON SP176252
TERM: 01/07/2006 TO 30/06/2016 OPTION NIL

43. TRUSTEE LEASE No 712302147 25/03/2009 at 14:42
AIRSERVICES AUSTRALIA
OF LEASE DA ON SP217356
TERM: 01/01/2009 TO 31/12/2033 OPTION NIL

44. TRUSTEE LEASE No 712906073 02/12/2009 at 14:58
SKYDIVING SERVICES PTY LTD A.C.N. 120 336 209
OF LEASE UB ON SP217358
TERM: 01/07/2007 TO 30/06/2035 OPTION NIL

Released by EHP under the RTI Act 2009

CURRENT TITLE SEARCH

DEPT OF NATURAL RESOURCES AND MINES, QUEENSLAND

Request No: 19200741
Search Date: 19/08/2014 16:15

Title Reference: 50957069
Date Created: 28/07/2014

EASEMENTS, ENCUMBRANCES AND INTERESTS

45. MORTGAGE No 714841539 14/12/2012 at 10:40
WESTPAC BANKING CORPORATION A.B.N. 33 007 457 141
over
TRUSTEE LEASE: 712906073

46. TRUSTEE LEASE No 713016661 25/01/2010 at 14:58
MADINITALY PTY LTD A.C.N. 102 257 803
OF PART OF THE GROUND FLOOR (LEASE TB)
TERM: 15/04/2009 TO 14/04/2016 OPTION NIL

47. TRUSTEE LEASE No 713405273 12/08/2010 at 15:57
LOADED ACES PTY LTD A.C.N. 124 534 461
OF PART OF THE GROUND FLOOR (LEASE TQ)
TERM: 01/12/2009 TO 30/11/2014 OPTION NIL

48. TRUSTEE LEASE No 713405296 12/08/2010 at 15:59
RC AIRPORTS PTY LTD A.C.N. 127 077 025
OF PART OF THE GROUND FLOOR (LEASE TR & LEASE TS)
TERM: 01/11/2009 TO 30/10/2016 OPTION NIL

49. TRUSTEE LEASE No 713827235 28/04/2011 at 13:27
MACHJET PTY LTD A.C.N. 122 815 025 TRUSTEE
UNDER INSTRUMENT 713827235
OF LEASES CF AND GF ON SP232760
TERM: 01/09/2010 TO 31/08/2030 OPTION NIL

50. TRUSTEE LEASE No 714002397 09/08/2011 at 15:25
AUSTRALIAN WAY PTY LTD A.C.N. 006 704 570
OF PART OF THE GROUND FLOOR (LEASE TN)
TERM: 01/10/2009 TO 31/07/2016 OPTION NIL

51. TRUSTEE LEASE No 714122139 20/10/2011 at 15:00
LEAMANS PTY LTD A.C.N. 108 135 879 TRUSTEE
UNDER INSTRUMENT 714122139
OF PART OF THE GROUND FLOOR (LEASES TU, TV, TW AND TX)
TERM: 01/04/2009 TO 31/03/2016 OPTION NIL

52. TRUSTEE LEASE No 714195220 02/12/2011 at 14:29
SUNSHINE COAST AERO CLUB LTD A.C.N. 009 928 581
OF LEASE CE AND GE ON SP217358
TERM: 01/07/2010 TO 30/06/2015 OPTION NIL

53. TRUSTEE LEASE No 714713638 08/10/2012 at 14:01
SPOTLESS FACILITY SERVICES PTY LTD A.C.N. 072 293 880
OF PART OF THE GROUND FLOOR (LEASES TA AND TO)
TERM: 01/04/2009 TO 30/09/2016 OPTION NIL

Released by EHP under the RTI Act 2009

Release

CURRENT TITLE SEARCH

DEPT OF NATURAL RESOURCES AND MINES, QUEENSLAND

Request No: 19200741
Search Date: 19/08/2014 16:15

Title Reference: 50957069
Date Created: 28/07/2014

EASEMENTS, ENCUMBRANCES AND INTERESTS

54. TRUSTEE LEASE No 714713641 08/10/2012 at 14:02
SPOTLESS FACILITY SERVICES PTY LTD A.C.N. 072 293 880
OF PART OF THE GROUND FLOOR (LEASE TP)
TERM: 01/10/2009 TO 30/09/2016 OPTION NIL

55. TRUSTEE LEASE No 714938535 15/02/2013 at 13:36
STABILO PTY LTD A.C.N. 072 452 307
OF LEASE J ON SP253851
TERM: 01/08/2012 TO 31/07/2022 OPTION NIL

56. TRUSTEE LEASE No 715028624 11/04/2013 at 13:57
VALDOCK PTY LTD A.C.N. 010 323 332
OF PART OF THE GROUND FLOOR (LEASE TH)
TERM: 01/11/2012 TO 31/10/2015 OPTION NIL

57. TRUSTEE LEASE No 715115139 31/05/2013 at 10:14
SUNSHINE COAST DESTINATION LIMITED A.C.N. 144 749 717
OF PART OF THE GROUND FLOOR (LEASE SA)
TERM: 18/02/2013 TO 17/02/2017 OPTION NIL

58. TRUSTEE LEASE No 715120070 04/06/2013 at 10:06
DURELLO PTY LTD A.C.N. 051 324 040
OF LEASE BF & FF ON SP232773
TERM: 01/03/2013 TO 30/06/2027 OPTION NIL

59. TRUSTEE LEASE No 715263925 19/08/2013 at 13:40
AUSTRALIAN AVIATION CAREER SERVICES PTY LTD A.C.N. 092 351 418
OF LEASE CZ ON SP253861
TERM: 01/07/2011 TO 30/06/2041 OPTION NIL

60. TRUSTEE LEASE No 715272152 22/08/2013 at 14:21
BAYNES PROPERTIES PTY LTD A.C.N. 001 815 658
OF PART OF THE GROUND FLOOR (LEASE TI)
TERM: 01/11/2012 TO 31/10/2015 OPTION NIL

61. TRUSTEE LEASE No 715737084 29/04/2014 at 13:13
MH5 PTY LTD A.C.N. 154 649 055
OF LEASE T AND UA ON SP267235
TERM: 01/12/2013 TO 30/11/2023 OPTION NIL

62. TRUSTEE LEASE No 715795912 27/05/2014 at 13:15
ADAGOLD AVIATION PTY LTD A.C.N. 102 146 725
OF PART OF THE GROUND FLOOR (LEASE TZ)
TERM: 01/08/2013 TO 31/07/2016 OPTION NIL

Released by EHP under the RTI Act 2009

Release

CURRENT TITLE SEARCH

DEPT OF NATURAL RESOURCES AND MINES, QUEENSLAND

Request No: 19200741
Search Date: 19/08/2014 16:15

Title Reference: 50957069
Date Created: 28/07/2014

EASEMENTS, ENCUMBRANCES AND INTERESTS

63. TRUSTEE LEASE No 715890064 11/07/2014 at 14:16
CROWN CASTLE AUSTRALIA PTY LTD A.C.N. 090 873 019
LEASE AM ON SP267251
TERM: 01/01/2014 TO 31/12/2033 OPTION NIL

ADMINISTRATIVE ADVICES

Dealing	Type	Lodgement Date	Status
714792345	LAND NOTICE SEC 48 (2) LAND ACT 1994	20/11/2012 14:21	CURRENT

UNREGISTERED DEALINGS - NIL

CERTIFICATE OF TITLE ISSUED - No

Caution - Charges do not necessarily appear in order of priority

** End of Current Title Search **

COPYRIGHT THE STATE OF QUEENSLAND (DEPT OF NATURAL RESOURCES AND MINES) [2014]
Requested By: D APPLICATIONS CITEC CONFIRM

Released by EHP under the RTI Act 2009

Appendix B

EMR Search Results

Released by EHP under the RTI Act 2009

Releas

Queensland Government

Department of Environment and Heritage Protection (EHP)
ABN 46 640 294 485
400 George St Brisbane, Queensland 4000
GPO Box 2454 Brisbane QLD 4001 AUSTRALIA
www.ehp.qld.gov.au

SEARCH RESPONSE
ENVIRONMENTAL MANAGEMENT REGISTER (EMR)
CONTAMINATED LAND REGISTER (CLR)

Transaction ID: 49741888 EMR Site Id: 124728 31 July 2014
This response relates to a search request received for the site:
Lot: 699 Plan: SP261024

This response relates to a search request received for the site:
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: 699 Plan: SP214349
Address: FRIENDSHIP AVENUE
MAROOCHYDORE AIRPORT QLD 4558

The site has been subject to the following Notifiable Activity pursuant to section 374 of the *Environmental Protection Act 1994.*
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.
HAZARDOUS CONTAMINANT - This site has been subject to a hazardous contaminant. Refer to the summary given below.
Concentrations of BTEX compounds and TPH in groundwater above screening levels, referring to Comprehensive Groundwater Monitoring Report, Shell Maroochydore Airport, dated July 2011.

Released by EHP under the RTI Act 2009

CLR RESULT

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

ADDITIONAL ADVICE

If you have any queries in relation to this search please phone 13QGOV (13 74 68)

Registrar

Administering Authority

Released by EHP under the RTI Act 2009

Releas

Appendix C

Summary of Analytical Results

Released by EHP under the RTI Act 2009

Release

Table C1: Summary of Heavy Metal/Metalloid Results (mg/kg)

Sample ID	Sampling Date	Lithology	Moisture Content (%)	Analyte (mg/kg)							
				Arsenic	Cadmium	Chromium	Copper	Lead	Nickel	Zinc	Mercury
SP1-1	09/07/2014	Filling - gravelly silty sand	5.4	<5	<1	**10**	**9**	**53**	**9**	**73**	<0.1
SP1-2	09/07/2014	Filling - gravelly silty sand	12.8	<5	<1	**3**	<5	**276**	**2**	**31**	<0.1
SP1-3	09/07/2014	Filling - gravelly silty sand	19	<5	<1	**5**	**6**	**314**	**4**	**38**	<0.1
Site Assessment Criteria											
Airports (EP) Reg - Areas of env. significance[1]				20	3	50	60	300	60	200	1
Airports (EP) Reg - Areas of an airport generally[2]				500	100	600,000	5,000	1,500	3,000	35,000	75

Notes

1 *Airports (Environmental Protection) Regulation 1997* Soil Pollution Accepted Limits: Schedule 3, Table 2

2 *Airports (Environmental Protection) Regulation 1997* Soil Pollution Accepted Limits: Schedule 3, Table 1

Bold cells indicate detection of an analyte

Green cells contain levels of an analyte greater than Airports (EP) Reg - areas of environmental significance

This table has been produced in colour to indicate exceedences of relevant criteria. Reproduction should be carried out in colour.

Released by EHP under the RTI Act 2009

Release

Table C2: Summary of Total Recoverable Hydrocarbons and Monocyclic Aromatic Hydrocarbon Results (mg/kg)

Sample ID	Sampling Date	Lithology	Analyte (mg/kg)									
			Naphthalene	C_6-C_9	C_{10}-C_{14}	C_{15}-C_{28}	C_{29}-C_{36}	Sum TPH C_{10}-C_{36}	Benzene	Toluene	Ethyl-benzene	Total xylenes
SP1-1	09/07/2014	Filling - gravelly silty sand	<1	<10	<50	<100	<100	<50	<0.2	<0.5	<0.5	<0.5
SP1-2	09/07/2014	Filling - gravelly silty sand	<1	<10	**150**	**210**	**260**	**620**	<0.2	<0.5	<0.5	<0.5
SP1-3	09/07/2014	Filling - gravelly silty sand	<1	**10**	**270**	**140**	**230**	**640**	<0.2	<0.5	<0.5	<0.5
Site Assessment Criteria												
Airports (EP) Reg - Areas of env. significance[1]			~	100	~	~	~	1,000	0.5	3	5	5
Airports (EP) Reg - Areas of an airport generally[2]			~	800	~	~	~	5,000	1	130	50	25

Notes

1 *Airports (Environmental Protection) Regulation 1997* Soil Pollution Accepted Limits: Schedule 3, Table 2

2 *Airports (Environmental Protection) Regulation 1997* Soil Pollution Accepted Limits: Schedule 3, Table 1

<LOR Less than the laboratory's limit of reporting

~ No guideline available at time of investigation

Bold cells indicate detection of an analyte

Released by EHP under the RTI Act 2009

Table C3: Summary of ASLP and TCLP Leachate Results

Sample ID	Analyte (µg/L)				
	C_6-C_9	C_{10}-C_{14}	C_{15}-C_{28}	C_{29}-C_{36}	Lead
SP1-2 (ASLP)	<20	<50	<100	<50	**20**
SP1-3 (ASLP)	<20	<50	**110**	<50	**10**
SP1-2 (TCLP)	<20	<50	**150**	<50	**2,400**
SP1-3 (TCLP)	<20	<50	**140**	<50	**3,700**
Site Assessment Criteria					
Unlined[1]	~	~	~	~	500
Lined[2]	~	~	~	~	5,000

Notes

1 Landfill acceptance criteria for disposal in an unlined landfill cell

2 Landfill acceptance criteria for disposal in a lined landfill cell

~ No criteria value available at time of investigation

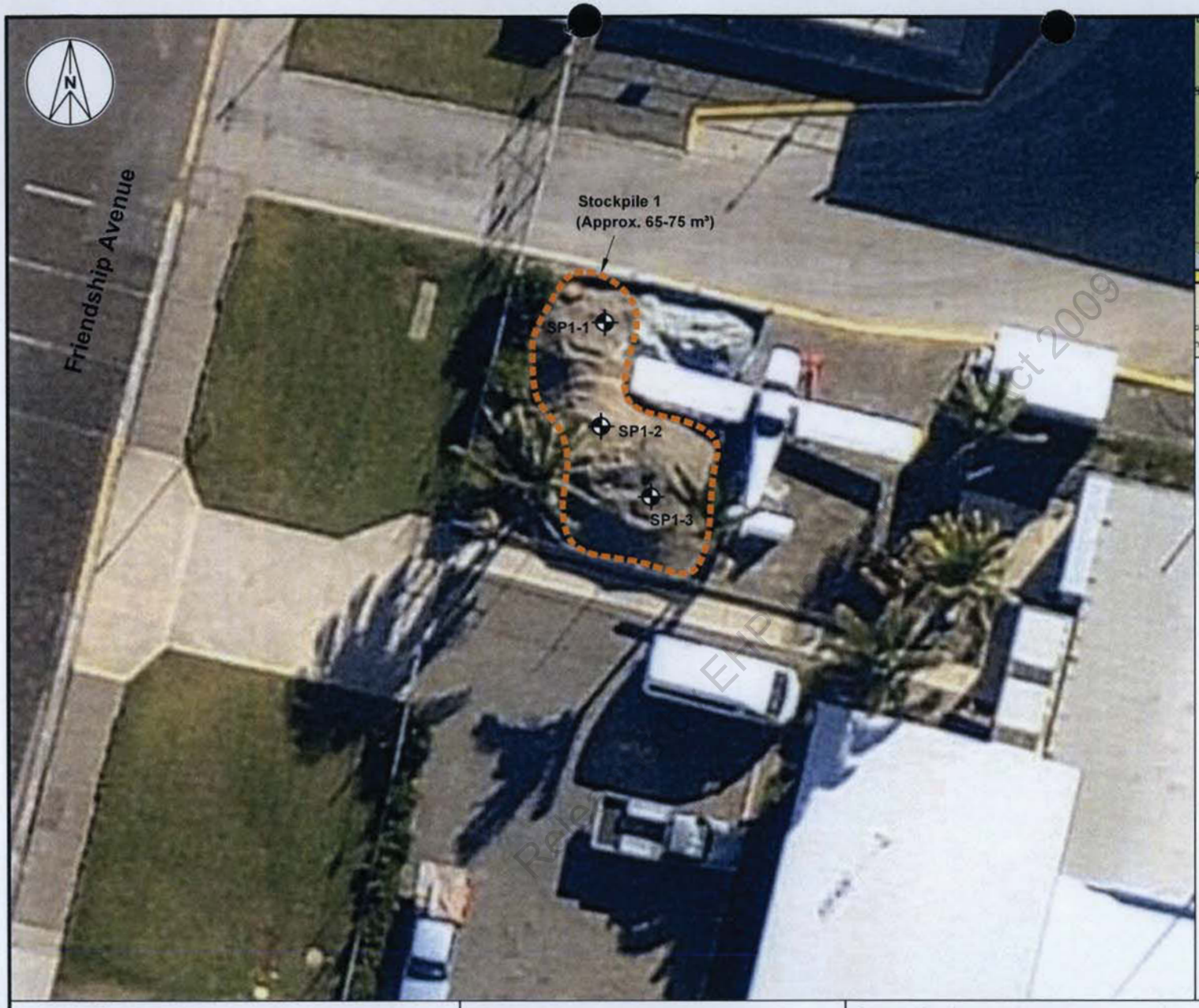
Released by EHP under the RTI Act 2009

Releas

Appendix D

Scaled Site Plans

Released by EHP under the RTI Act 2009



Locality Plan

LEGEND:-

Sample Location and Number

NOTE:-

1. Test locations are approximate only and are shown with reference to existing site features.
2. Image obtained from Near Map. Date of imagery 17-06-2014.

Released under EPA Act 2009

Douglas Partners Geotechnics / Environment / Groundwater	CLIENT: The Shell Company of Australia Limited	**Sample Location Plan** **Stockpile Characterisation** **Shell Depot, Friendship Avenue, Marcoola**	PROJECT No: 80648.00
	OFFICE: Brisbane		DRAWING No: 1
	DATE: 15 July 2014		REVISION: 0

P:\Brisbane 2014\80648.00 - Marcoola, Stockpile Characterisation\Drawings\Drawing 1.dwg

Release

Appendix E

Laboratory Reports and Chain of Custody Documentation

Released by EHP under the RTI Act 2009

ALS Batch EB1416603

Released by EHP under the RTI Act 2009

CHAIN OF CUSTODY

ALS Laboratory: please tick →

☐ Sydney: 277 Woodpark Rd, Smithfield NSW 2164 Ph: s.73
☐ Newcastle: 5 Rosegum Rd, Warabrook NSW 2304 Ph: s.73
☐ Brisbane: 32 Shand St, Stafford QLD 4053 Ph: s.73
☐ Townsville: 14-15 Desma Ct, Bohle QLD 4818 Ph: s.73
☐ Melbourne: 3-4 Westall [illegible] Ph: s.73
☐ Adelaide: 2-1 Burma Rd, Pooraka SA 5095 Ph: s.73
☐ Perth: 10 Hod Way, Malaga WA 6090 Ph: s.73
☐ Launceston: 27 Wellington St, Launceston TAS 7250 Ph: s.73

CLIENT:	Douglas Partners Pty Ltd	TURNAROUND REQUIREMENTS : (Standard TAT may be longer for some tests e.g.. Ultra Trace Organics)	☐ Standard TAT (List due date): 16/07/2014
OFFICE:	439 Montague Road, West End Qld 4101		☐ Non Standard or urgent TAT (List due date):
PROJECT:	80648.00	ALS QUOTE NO.:	EN-020-14
ORDER NUMBER:			
PROJECT MANAGER:		CONTACT PH:	(07) 3237 8900
SAMPLER:	s.73	SAMPLER MOBILE:	Sch4p4(6) Mobile
COC emailed to ALS? (YES / NO)		EDD FORMAT (or default):	
Email Reports to (will default to PM if no other addresses are listed):	s.73		
Email Invoice to (will default to PM if no other addresses are listed):			

COC SEQUENCE NUMBER (Circle)
COC: 1 2 3 4 5 6 7
OF: 1 2 3 4 5 6 7

FOR LABORATORY USE ONLY (Circle)
Custody Seal Intact? Yes No N/A
Free ice / frozen ice blocks present upon receipt? Yes No N/A
Random Sample Temperature on Receipt: °C
Other comment:

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
s.73	s.73 Sch4p4(6) Signature		
DATE/TIME: 09/07/2014	DATE/TIME: 9/7/14 15.45	DATE/TIME:	DATE/TIME:

COMMENTS/SPECIAL HANDLING/STORAGE OR DISPOSAL:

ALS USE ONLY	SAMPLE DETAILS MATRIX: Solid(S) Water(W)			CONTAINER INFORMATION		ANALYSIS REQUIRED including SUITES (NB. Suite Codes must be listed to attract suite price) Where Metals are required, specify Total (unfiltered bottle required) or Dissolved (field filtered bottle required).								Additional Information
LAB ID	SAMPLE ID	DATE / TIME	MATRIX	TYPE & PRESERVATIVE (refer to codes below)	TOTAL BOTTLES	S-5 (8 heavy metals, TRH, BTEXN)								Comments on likely contaminant levels, dilutions, or samples requiring specific QC analysis etc.
1	SP1-1	9/07/2014	S		1	X								
2	SP1-2	9/07/2014	S		1	X								
3	SP1-3	9/7/14	S		1	X								
				TOTAL	2	2	0	0	0	0	0	0	0	

Water Container Codes: P = Unpreserved Plastic; N = Nitric Preserved Plastic; ORC = Nitric Preserved ORC; SH = Sodium Hydroxide/Cd Preserved; S = Sodium Hydroxide Preserved Plastic; AG = Amber Glass Unpreserved; AP - Airfreight Unpreserved Plastic
V = VOA Vial HCl Preserved; VB = VOA Vial Sodium Bisulphate Preserved; VS = VOA Vial Sulfuric Preserved; AV = Airfreight Unpreserved Vial SG = Sulfuric Preserved Amber Glass; H = HCl preserved Plastic; HS = HCl preserved Speciation bottle; SP = Sulfuric Preserved Plastic; F = Formaldehyde Preserved Glass;
Z = Zinc Acetate Preserved Bottle; E = EDTA Preserved Bottles; ST = Sterile Bottle; ASS = Plastic Bag for Acid Sulphate Soils; B = Unpreserved Bag.

Environmental Division
Brisbane
Work Order
EB1416603

Sch4p4(6) Signature Sch4p4(6) Signature

Telephone : s.73

Released by EHP under the RTI Act 2009

Page 1 of 1

ALS Group
Environmental Division

SAMPLE RECEIPT NOTIFICATION (SRN)

Comprehensive Report

Work Order	: **EB1416603**		
Client	: **DOUGLAS PARTNERS PTY LTD**	Laboratory	: Environmental Division Brisbane
Contact	: s.73	Contact	: s.73
Address	: 439 MONTAGUE ROAD WEST END QLD, AUSTRALIA 4101	Address	: 2 Byth Street Stafford QLD Australia 4053
E-mail	: s.73	E-mail	: s.73
Telephone	:	Telephone	: s.73
Facsimile	: +61 07 32378999	Facsimile	: 07 3352 3662
Project	: 80648 00	Page	: 1 of 2
Order number	: ----		
C-O-C number	: ----	Quote number	: EB2014DOUPAR0262 (EN/020/14)
Site	: ----		
Sampler	: s.73	QC Level	: NEPM 2013 Schedule B(3) and ALS QCS3 requirement

Dates

Date Samples Received	: 09-JUL-2014	Issue Date	: 10-JUL-2014 16:56
Client Requested Due Date	: 16-JUL-2014	Scheduled Reporting Date	: **15-JUL-2014**

Delivery Details

Mode of Delivery	: Client Drop off	Temperature	: -0.9°C - Ice present
No. of coolers/boxes	: 1 MEDIUM	No. of samples received	: 3
Security Seal	: Intact.	No. of samples analysed	: 3

General Comments

- This report contains the following information:
  - Sample Container(s)/Preservation Non-Compliances
  - Summary of Sample(s) and Requested Analysis
  - Proactive Holding Time Report
  - Requested Deliverables
- **Samples received in appropriately pretreated and preserved containers.**
- **Breaches in recommended extraction / analysis holding times (if any) are displayed overleaf in the Proactive Holding Time Report table.**
- Discounted Package Prices apply only when specific ALS Group Codes ('W', 'S', 'NT' etc. suites) are referenced on COCs.
- Please direct any turn around / technical queries to the laboratory contact designated above.
- Please direct any queries related to sample condition / numbering / breakages to Matt Goodwin (matthew.goodwin@alsglobal.com)
- Analysis will be conducted by ALS Environmental, Brisbane, NATA accreditation no. 825, Site No. 818 (Micro site no. 18958),
- Sample Disposal - Aqueous (14 days), Solid (60 days) from date of completion of work order.

Released by EHP under the RTI Act 2009

Release

Sample Container(s)/Preservation Non-Compliances

All comparisons are made against pretreatment/preservation AS, APHA, USEPA standards.

- **No sample container / preservation non-compliance exists.**

Summary of Sample(s) and Requested Analysis

Some items described below may be part of a laboratory process neccessary for the execution of client requested tasks. Packages may contain additional analyses, such as the determination of moisture content and preparation tasks, that are included in the package.
If no sampling time is provided, the sampling time will default to 15:00 on the date of sampling. If no sampling date is provided, the sampling date will be assumed by the laboratory for processing purposes and will be shown bracketed without a time component.

Matrix: **SOIL**

Laboratory sample ID	Client sampling date / time	Client sample ID	SOIL - S-05 TRH/BTEXN/8 Metals
EB1416603-001	09-JUL-2014 15:00	SP1-1	✓
EB1416603-002	09-JUL-2014 15:00	SP1-2	✓
EB1416603-003	09-JUL-2014 15:00	SP1-3	✓

Proactive Holding Time Report

Sample(s) have been received within the recommended holding times for the requested analysis.

Requested Deliverables

s.73

- A4 - AU Tax Invoice (INV) Email

s.73

- *AU Certificate of Analysis - NATA (COA) Email
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI) Email
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC) Email
- A4 - AU Sample Receipt Notification - Environmental HT (SRN) Email
- Chain of Custody (CoC) (COC) Email
- EDI Format - ENMRG (ENMRG) Email
- EDI Format - XTab (XTAB) Email

s.73

Released by EHP under the RTI Act 2009

Release

ALS Environmental

CERTIFICATE OF ANALYSIS

Work Order	: **EB1416603**	Page	: 1 of 5
Client	: **DOUGLAS PARTNERS PTY LTD**	Laboratory	: Environmental Division Brisbane
Contact	: s.73	Contact	: s.73
Address	: 439 MONTAGUE ROAD WEST END QLD, AUSTRALIA 4101	Address	: 2 Byth Street Stafford QLD Australia 4053
E-mail	:	E-mail	:
Telephone	: s.73	Telephone	: s.73
Facsimile	: +61 07 32378999	Facsimile	: 07 3352 3662
Project	: 80648 00	QC Level	: NEPM 2013 Schedule B(3) and ALS QCS3 requirement
Order number	: ----		
C-O-C number	: ----	Date Samples Received	: 09-JUL-2014
Sampler	: s.73	Issue Date	: 15-JUL-2014
Site	: ----		
		No. of samples received	: 3
Quote number	: EN/020/14	No. of samples analysed	: 3

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. All pages of this report have been checked and approved for release.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

NATA Accredited Laboratory 825

Accredited for compliance with ISO/IEC 17025.

WORLD RECOGNISED ACCREDITATION

Signatories

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

Signatories	*Position*	*Accreditation Category*
s.73	Senior Inorganic Chemist	Brisbane Inorganics
	2IC Organic Instrument Chemist	Brisbane Inorganics
	2IC Organic Instrument Chemist	Brisbane Organics

Released by EHP under the RTI Act 2009

Page	: 2 of 5
Work Order	: EB1416603
Client	: DOUGLAS PARTNERS PTY LTD
Project	: 80648 00

General Comments

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contact for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting

Released by EHP under the RTI Act 2009

Page	: 3 of 5
Work Order	: EB1416603
Client	: DOUGLAS PARTNERS PTY LTD
Project	: 80648 00

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)			Client sample ID	SP1-1	SP1-2	SP1-3	----	----
			Client sampling date / time	09-JUL-2014 15:00	09-JUL-2014 15:00	09-JUL-2014 15:00	----	----
Compound	CAS Number	LOR	Unit	EB1416603-001	EB1416603-002	EB1416603-003	----	----
EA055: Moisture Content								
Moisture Content (dried @ 103°C)	----	1.0	%	5.4	12.8	19.0	----	----
EG005T: Total Metals by ICP-AES								
Arsenic	7440-38-2	5	mg/kg	<5	<5	<5	----	----
Cadmium	7440-43-9	1	mg/kg	<1	<1	<1	----	----
Chromium	7440-47-3	2	mg/kg	10	3	5	----	----
Copper	7440-50-8	5	mg/kg	9	<5	6	----	----
Lead	7439-92-1	5	mg/kg	53	276	314	----	----
Nickel	7440-02-0	2	mg/kg	9	2	4	----	----
Zinc	7440-66-6	5	mg/kg	73	31	38	----	----
EG035T: Total Recoverable Mercury by FIMS								
Mercury	7439-97-6	0.1	mg/kg	<0.1	<0.1	<0.1	----	----
EP080/071: Total Petroleum Hydrocarbons								
C6 - C9 Fraction	----	10	mg/kg	<10	<10	10	----	----
C10 - C14 Fraction	----	50	mg/kg	<50	150	270	----	----
C15 - C28 Fraction	----	100	mg/kg	<100	210	140	----	----
C29 - C36 Fraction	----	100	mg/kg	<100	260	230	----	----
^ C10 - C36 Fraction (sum)	----	50	mg/kg	<50	620	640	----	----
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013								
C6 - C10 Fraction	C6_C10	10	mg/kg	<10	<10	30	----	----
^ C6 - C10 Fraction minus BTEX (F1)	C6_C10-BTEX	10	mg/kg	<10	<10	30	----	----
>C10 - C16 Fraction	>C10_C16	50	mg/kg	<50	140	250	----	----
>C16 - C34 Fraction	----	100	mg/kg	<100	380	290	----	----
>C34 - C40 Fraction	----	100	mg/kg	<100	250	230	----	----
^ >C10 - C40 Fraction (sum)	----	50	mg/kg	<50	770	770	----	----
^ >C10 - C16 Fraction minus Naphthalene (F2)	----	50	mg/kg	<50	140	250	----	----
EP080: BTEXN								
Benzene	71-43-2	0.2	mg/kg	<0.2	<0.2	<0.2	----	----
Toluene	108-88-3	0.5	mg/kg	<0.5	<0.5	<0.5	----	----
Ethylbenzene	100-41-4	0.5	mg/kg	<0.5	<0.5	<0.5	----	----
meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg	<0.5	<0.5	<0.5	----	----
ortho-Xylene	95-47-6	0.5	mg/kg	<0.5	<0.5	<0.5	----	----
^ Sum of BTEX	----	0.2	mg/kg	<0.2	<0.2	<0.2	----	----

Released by DHP under the RTI Act 2009

Page : 4 of 5
Work Order : EB1416603
Client : DOUGLAS PARTNERS PTY LTD
Project : 80648 00

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Client sample ID	SP1-1	SP1-2	SP1-3	----	----
				Client sampling date / time	09-JUL-2014 15:00	09-JUL-2014 15:00	09-JUL-2014 15:00	----	----
Compound	CAS Number	LOR	Unit		EB1416603-001	EB1416603-002	EB1416603-003	----	----
EP080: BTEXN - Continued									
^ Total Xylenes	1330-20-7	0.5	mg/kg		<0.5	<0.5	<0.5	----	----
Naphthalene	91-20-3	1	mg/kg		<1	<1	<1	----	----
EP080S: TPH(V)/BTEX Surrogates									
1.2-Dichloroethane-D4	17060-07-0	0.1	%		97.6	105	92.9	----	----
Toluene-D8	2037-26-5	0.1	%		102	108	96.4	----	----
4-Bromofluorobenzene	460-00-4	0.1	%		95.0	101	94.8	----	----

Released by EHP under the RTI Act 2009

Page	: 5 of 5
Work Order	: EB1416603
Client	: DOUGLAS PARTNERS PTY LTD
Project	: 80648 00

Surrogate Control Limits

Sub-Matrix: **SOIL**		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
EP080S: TPH(V)/BTEX Surrogates			
1.2-Dichloroethane-D4	17060-07-0	52.7	133.7
Toluene-D8	2037-26-5	60.3	131.1
4-Bromofluorobenzene	460-00-4	59.2	126.6

Released by EHP under the RTI Act 2009

ALS Environmental

INTERPRETIVE QUALITY CONTROL REPORT

Work Order	: **EB1416603**	Page	: 1 of 5
Client	: DOUGLAS PARTNERS PTY LTD	Laboratory	: Environmental Division Brisbane
Contact	: s.73	Contact	: s.73
Address	: 439 MONTAGUE ROAD WEST END QLD, AUSTRALIA 4101	Address	: 2 Byth Street Stafford QLD Australia 4053
E-mail	: s.73	E-mail	: s.73
Telephone	:	Telephone	:
Facsimile	: +61 07 32378999	Facsimile	: 07 3352 3662
Project	: 80648 00	QC Level	: NEPM 2013 Schedule B(3) and ALS QCS3 requirement
Site	: ----		
C-O-C number	: ----	Date Samples Received	: 09-JUL-2014
Sampler	: s.73	Issue Date	: 15-JUL-2014
Order number	: ----		
		No. of samples received	: 3
Quote number	: EN/020/14	No. of samples analysed	: 3

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. All pages of this report have been checked and approved for release.

This Interpretive Quality Control Report contains the following information:

- Analysis Holding Time Compliance
- Quality Control Parameter Frequency Compliance
- Brief Method Summaries
- Summary of Outliers

Released by EHP under the RTI Act 2009

Page	: 2 of 5
Work Order	: EB1416603
Client	: DOUGLAS PARTNERS PTY LTD
Project	: 80648 00

Analysis Holding Time Compliance

This report summarizes extraction / preparation and analysis times and compares each with recommended holding times (USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns. A listing of breaches (if any) is provided herein.

Holding time for leachate methods (e.g. TCLP) vary according to the analytes reported. Assessment compares the leach date with the shortest analyte holding time for the equivalent soil method. These are: organics 14 days, mercury 28 days & other metals 180 days. A recorded breach does not guarantee a breach for all non-volatile parameters.

Holding times for ***VOC in soils*** vary according to analytes of interest. Vinyl Chloride and Styrene holding time is 7 days; others 14 days. A recorded breach does not guarantee a breach for all VOC analytes and should be verified in case the reported breach is a false positive or Vinyl Chloride and Styrene are not key analytes of interest/concern.

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EA055: Moisture Content							
Soil Glass Jar - Unpreserved (EA055-103)							
SP1-1, SP1-2, SP1-3	**09-JUL-2014**	----	----	----	**10-JUL-2014**	23-JUL-2014	✓
EG005T: Total Metals by ICP-AES							
Soil Glass Jar - Unpreserved (EG005T)							
SP1-1, SP1-2, SP1-3	**09-JUL-2014**	**11-JUL-2014**	05-JAN-2015	✓	**14-JUL-2014**	05-JAN-2015	✓
EG035T: Total Recoverable Mercury by FIMS							
Soil Glass Jar - Unpreserved (EG035T)							
SP1-1, SP1-2, SP1-3	**09-JUL-2014**	**11-JUL-2014**	06-AUG-2014	✓	**14-JUL-2014**	06-AUG-2014	✓
EP080/071: Total Petroleum Hydrocarbons							
Soil Glass Jar - Unpreserved (EP071)							
SP1-1, SP1-2, SP1-3	**09-JUL-2014**	**11-JUL-2014**	23-JUL-2014	✓	**14-JUL-2014**	20-AUG-2014	✓
EP080: BTEXN							
Soil Glass Jar - Unpreserved (EP080)							
SP1-1, SP1-2, SP1-3	**09-JUL-2014**	**11-JUL-2014**	23-JUL-2014	✓	**11-JUL-2014**	23-JUL-2014	✓
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013							
Soil Glass Jar - Unpreserved (EP080)							
SP1-1, SP1-2, SP1-3	**09-JUL-2014**	**11-JUL-2014**	23-JUL-2014	✓	**11-JUL-2014**	23-JUL-2014	✓

Released by EHP under the RTI Act 2009

Page	: 3 of 5
Work Order	: EB1416603
Client	: DOUGLAS PARTNERS PTY LTD
Project	: 80648 00

Quality Control Parameter Frequency Compliance

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(where) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Matrix: **SOIL**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	Method	QC	Regular	Actual	Expected	Evaluation	
Laboratory Duplicates (DUP)							
Moisture Content	EA055-103	2	16	12.5	10.0	✓	NEPM 2013 Schedule B(3) and ALS QCS3 requirement
Total Mercury by FIMS	EG035T	2	19	10.5	10.0	✓	NEPM 2013 Schedule B(3) and ALS QCS3 requirement
Total Metals by ICP-AES	EG005T	1	7	14.3	10.0	✓	NEPM 2013 Schedule B(3) and ALS QCS3 requirement
TPH - Semivolatile Fraction	EP071	2	19	10.5	10.0	✓	NEPM 2013 Schedule B(3) and ALS QCS3 requirement
TPH Volatiles/BTEX	EP080	2	20	10.0	10.0	✓	NEPM 2013 Schedule B(3) and ALS QCS3 requirement
Laboratory Control Samples (LCS)							
Total Mercury by FIMS	EG035T	1	19	5.3	5.0	✓	NEPM 2013 Schedule B(3) and ALS QCS3 requirement
Total Metals by ICP-AES	EG005T	1	7	14.3	5.0	✓	NEPM 2013 Schedule B(3) and ALS QCS3 requirement
TPH - Semivolatile Fraction	EP071	1	19	5.3	5.0	✓	NEPM 2013 Schedule B(3) and ALS QCS3 requirement
TPH Volatiles/BTEX	EP080	1	20	5.0	5.0	✓	NEPM 2013 Schedule B(3) and ALS QCS3 requirement
Method Blanks (MB)							
Total Mercury by FIMS	EG035T	1	19	5.3	5.0	✓	NEPM 2013 Schedule B(3) and ALS QCS3 requirement
Total Metals by ICP-AES	EG005T	1	7	14.3	5.0	✓	NEPM 2013 Schedule B(3) and ALS QCS3 requirement
TPH - Semivolatile Fraction	EP071	1	19	5.3	5.0	✓	NEPM 2013 Schedule B(3) and ALS QCS3 requirement
TPH Volatiles/BTEX	EP080	1	20	5.0	5.0	✓	NEPM 2013 Schedule B(3) and ALS QCS3 requirement
Matrix Spikes (MS)							
Total Mercury by FIMS	EG035T	1	19	5.3	5.0	✓	NEPM 2013 Schedule B(3) and ALS QCS3 requirement
Total Metals by ICP-AES	EG005T	1	7	14.3	5.0	✓	NEPM 2013 Schedule B(3) and ALS QCS3 requirement
TPH - Semivolatile Fraction	EP071	1	19	5.3	5.0	✓	NEPM 2013 Schedule B(3) and ALS QCS3 requirement
TPH Volatiles/BTEX	EP080	1	20	5.0	5.0	✓	NEPM 2013 Schedule B(3) and ALS QCS3 requirement

Released by EHP under the RTI Act 2009

Releas

Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
Moisture Content	EA055-103	SOIL	A gravimetric procedure based on weight loss over a 12 hour drying period at 103-105 degrees C. This method is compliant with NEPM (2013) Schedule B(3) Section 7.1 and Table 1 (14 day holding time).
Total Metals by ICP-AES	EG005T	SOIL	(APHA 21st ed., 3120; USEPA SW 846 - 6010) (ICPAES) Metals are determined following an appropriate acid digestion of the soil. The ICPAES technique ionises samples in a plasma, emitting a characteristic spectrum based on metals present. Intensities at selected wavelengths are compared against those of matrix matched standards. This method is compliant with NEPM (2013) Schedule B(3)
Total Mercury by FIMS	EG035T	SOIL	AS 3550, APHA 21st ed., 3112 Hg - B (Flow-injection (SnCl2)(Cold Vapour generation) AAS) FIM-AAS is an automated flameless atomic absorption technique. Mercury in solids are determined following an appropriate acid digestion. Ionic mercury is reduced online to atomic mercury vapour by SnCl2 which is then purged into a heated quartz cell. Quantification is by comparing absorbance against a calibration curve. This method is compliant with NEPM (2013) Schedule B(3)
TPH - Semivolatile Fraction	EP071	SOIL	(USEPA SW 846 - 8015A) Sample extracts are analysed by Capillary GC/FID and quantified against alkane standards over the range C10 - C36. This method is compliant with the QC requirements of NEPM (2013) Schedule B(3).
TPH Volatiles/BTEX	EP080	SOIL	(USEPA SW 846 - 8260B) Extracts are analysed by Purge and Trap, Capillary GC/MS. Quantification is by comparison against an established 5 point calibration curve. This method is compliant with the QC requirements of NEPM (2013) Schedule B(3)

Preparation Methods	Method	Matrix	Method Descriptions
Methanolic Extraction of Soils for Purge and Trap	ORG16	SOIL	(USEPA SW 846 - 5030A) 5g of solid is shaken with surrogate and 10mL methanol prior to analysis by Purge and Trap - GC/MS.
Tumbler Extraction of Solids (Option B - Non-concentrating)	ORG17B	SOIL	In-house, Mechanical agitation (tumbler). 10g of sample, Na2SO4 and surrogate are extracted with 20mL 1:1 DCM/Acetone by end over end tumble. The solvent is transferred directly to a GC vial for analysis.

Released under RTI Act 2009

Summary of Outliers

Outliers : Quality Control Samples

The following report highlights outliers flagged in the Quality Control (QC) Report. Surrogate recovery limits are static and based on USEPA SW846 or ALS-QWI/EN/38 (in the absence of specific USEPA limits). This report displays QC Outliers (breaches) only.

Duplicates, Method Blanks, Laboratory Control Samples and Matrix Spikes

- **For all matrices, no Method Blank value outliers occur.**
- **For all matrices, no Duplicate outliers occur.**
- **For all matrices, no Laboratory Control outliers occur.**
- **For all matrices, no Matrix Spike outliers occur.**

Regular Sample Surrogates

- **For all regular sample matrices, no surrogate recovery outliers occur.**

Outliers : Analysis Holding Time Compliance

This report displays Holding Time breaches only. Only the respective Extraction / Preparation and/or Analysis component is/are displayed.

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

Outliers : Frequency of Quality Control Samples

The following report highlights breaches in the Frequency of Quality Control Samples.

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

Released by EHP under the RTI Act 2009

Release

ALS Environmental

QUALITY CONTROL REPORT

Work Order	: **EB1416603**	Page	: 1 of 7
Client	: **DOUGLAS PARTNERS PTY LTD**	Laboratory	: Environmental Division Brisbane
Contact	s.73	Contact	: s.73
Address	: 439 MONTAGUE ROAD WEST END QLD, AUSTRALIA 4101	Address	: 2 Byth Street Stafford QLD Australia 4053
E-mail	s.73	E-mail	s.73
Telephone		Telephone	
Facsimile	: +61 07 32378999	Facsimile	: 07 3352 3662
Project	: 80648 00	QC Level	: NEPM 2013 Schedule B(3) and ALS QCS3 requirement
Site	: ----		
C-O-C number	: ----	Date Samples Received	: 09-JUL-2014
Sampler	: s.73	Issue Date	: 15-JUL-2014
Order number	: ----		
		No. of samples received	: 3
Quote number	: EN/020/14	No. of samples analysed	: 3

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. All pages of this report have been checked and approved for release.

This Quality Control Report contains the following information:

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

NATA Accredited Laboratory 825

Accredited for compliance with ISO/IEC 17025.

WORLD RECOGNISED ACCREDITATION

Signatories

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

Signatories	*Position*	*Accreditation Category*
s.73	Senior Inorganic Chemist	Brisbane Inorganics
	2IC Organic Instrument Chemist	Brisbane Inorganics
	2IC Organic Instrument Chemist	Brisbane Organics

Released by EHP under the RTI Act 2009

Releas

General Comments

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Key : Anonymous = Refers to samples which are not specifically part of this work order but formed part of the QC process lot
CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
RPD = Relative Percentage Difference
# = Indicates failed QC

Released by EHP under the RTI Act 2009

Page	: 3 of 7
Work Order	: EB1416603
Client	: DOUGLAS PARTNERS PTY LTD
Project	: 80648 00

Laboratory Duplicate (DUP) Report

The quality control term Laboratory Duplicate refers to a randomly selected intralaboratory split. Laboratory duplicates provide information regarding method precision and sample heterogeneity. The permitted ranges for the Relative Percent Deviation (RPD) of Laboratory Duplicates are specified in ALS Method QWI-EN/38 and are dependent on the magnitude of results in comparison to the level of reporting: Result < 10 times LOR:- No Limit; Result between 10 and 20 times LOR:- 0% - 50%; Result > 20 times LOR:- 0% - 20%.

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Client sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Recovery Limits (%)*
EA055: Moisture Content (QC Lot: 3535941)									
EB1416517-011	Anonymous	EA055-103: Moisture Content (dried @ 103°C)	----	1.0	%	9.9	10.0	0.0	No Limit
EB1416599-004	Anonymous	EA055-103: Moisture Content (dried @ 103°C)	----	1.0	%	12.9	12.9	0.0	0% - 50%
EG005T: Total Metals by ICP-AES (QC Lot: 3535931)									
EB1416599-005	Anonymous	EG005T: Cadmium	7440-43-9	1	mg/kg	<1	<1	0.0	No Limit
		EG005T: Chromium	7440-47-3	2	mg/kg	5	5	0.0	No Limit
		EG005T: Nickel	7440-02-0	2	mg/kg	2	3	0.0	No Limit
		EG005T: Arsenic	7440-38-2	5	mg/kg	<5	<5	0.0	No Limit
		EG005T: Copper	7440-50-8	5	mg/kg	<5	<5	0.0	No Limit
		EG005T: Lead	7439-92-1	5	mg/kg	8	8	0.0	No Limit
		EG005T: Zinc	7440-66-6	5	mg/kg	17	18	0.0	No Limit
EG035T: Total Recoverable Mercury by FIMS (QC Lot: 3535930)									
EB1416517-001	Anonymous	EG035T: Mercury	7439-97-6	0.1	mg/kg	<0.1	<0.1	0.0	No Limit
EB1416557-005	Anonymous	EG035T: Mercury	7439-97-6	0.1	mg/kg	<0.1	<0.1	0.0	No Limit
EP080/071: Total Petroleum Hydrocarbons (QC Lot: 3535914)									
EB1416506-001	Anonymous	EP080: C6 - C9 Fraction	----	10	mg/kg	39	27	38.3	No Limit
EB1416517-014	Anonymous	EP080: C6 - C9 Fraction	----	10	mg/kg	<10	<10	0.0	No Limit
EP080/071: Total Petroleum Hydrocarbons (QC Lot: 3535919)									
EB1416517-006	Anonymous	EP071: C15 - C28 Fraction	----	100	mg/kg	<100	<100	0.0	No Limit
		EP071: C29 - C36 Fraction	----	100	mg/kg	<100	<100	0.0	No Limit
		EP071: C10 - C14 Fraction	----	50	mg/kg	<50	<50	0.0	No Limit
EB1416599-001	Anonymous	EP071: C15 - C28 Fraction	----	100	mg/kg	<100	<100	0.0	No Limit
		EP071: C29 - C36 Fraction	----	100	mg/kg	<100	<100	0.0	No Limit
		EP071: C10 - C14 Fraction	----	50	mg/kg	<50	<50	0.0	No Limit
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 (QC Lot: 3535914)									
EB1416506-001	Anonymous	EP080: C6 - C10 Fraction	C6_C10	10	mg/kg	87	63	33.1	No Limit
EB1416517-014	Anonymous	EP080: C6 - C10 Fraction	C6_C10	10	mg/kg	<10	<10	0.0	No Limit
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 (QC Lot: 3535919)									
EB1416517-006	Anonymous	EP071: >C16 - C34 Fraction	----	100	mg/kg	<100	<100	0.0	No Limit
		EP071: >C34 - C40 Fraction	----	100	mg/kg	<100	<100	0.0	No Limit
		EP071: >C10 - C16 Fraction	>C10_C16	50	mg/kg	<50	<50	0.0	No Limit
EB1416599-001	Anonymous	EP071: >C16 - C34 Fraction	----	100	mg/kg	<100	<100	0.0	No Limit
		EP071: >C34 - C40 Fraction	----	100	mg/kg	<100	<100	0.0	No Limit
		EP071: >C10 - C16 Fraction	>C10_C16	50	mg/kg	<50	<50	0.0	No Limit
EP080: BTEXN (QC Lot: 3535914)									
EB1416506-001	Anonymous	EP080: Benzene	71-43-2	0.2	mg/kg	<0.2	<0.2	0.0	No Limit

Released by EHP under the RTI Act 2009

Page : 4 of 7
Work Order : EB1416603
Client : DOUGLAS PARTNERS PTY LTD
Project : 80648 00

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Client sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Recovery Limits (%)*
EP080: BTEXN (QC Lot: 3535914) - continued									
EB1416506-001	Anonymous	EP080: Toluene	108-88-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP080: Ethylbenzene	100-41-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP080: meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg	2.8	1.8	40.4	No Limit
		EP080: ortho-Xylene	95-47-6	0.5	mg/kg	1.2	0.8	35.2	No Limit
		EP080: Naphthalene	91-20-3	1	mg/kg	4	3	0.0	No Limit
EB1416517-014	Anonymous	EP080: Benzene	71-43-2	0.2	mg/kg	<0.2	<0.2	0.0	No Limit
		EP080: Toluene	108-88-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP080: Ethylbenzene	100-41-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP080: meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP080: ortho-Xylene	95-47-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP080: Naphthalene	91-20-3	1	mg/kg	<1	<1	0.0	No Limit

Released by EHP under the RTI Act 2009

Page	: 5 of 7
Work Order	: EB1416603
Client	: DOUGLAS PARTNERS PTY LTD
Project	: 80648 00

Method Blank (MB) and Laboratory Control Spike (LCS) Report

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination. The quality control term Laboratory Control Spike (LCS) refers to a certified reference material, or a known interference free matrix spiked with target analytes. The purpose of this QC parameter is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of processed LCS.

Sub-Matrix: **SOIL**

				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Recovery Limits (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	Low	High
EG005T: Total Metals by ICP-AES (QCLot: 3535931)								
EG005T: Arsenic	7440-38-2	5	mg/kg	<5	21.7 mg/kg	112	84	124
EG005T: Cadmium	7440-43-9	1	mg/kg	<1	4.64 mg/kg	108	88	118
EG005T: Chromium	7440-47-3	2	mg/kg	<2	43.9 mg/kg	113	81	127
EG005T: Copper	7440-50-8	5	mg/kg	<5	32.0 mg/kg	112	86	122
EG005T: Lead	7439-92-1	5	mg/kg	<5	40.0 mg/kg	106	84	121
EG005T: Nickel	7440-02-0	2	mg/kg	<2	55.0 mg/kg	114	89	126
EG005T: Zinc	7440-66-6	5	mg/kg	<5	60.8 mg/kg	114	87	127
EG035T: Total Recoverable Mercury by FIMS (QCLot: 3535930)								
EG035T: Mercury	7439-97-6	0.10	mg/kg	<0.1	2.57 mg/kg	96.2	78	122
EP080/071: Total Petroleum Hydrocarbons (QCLot: 3535914)								
EP080: C6 - C9 Fraction	----	10	mg/kg	<10	16 mg/kg	114	66	120
EP080/071: Total Petroleum Hydrocarbons (QCLot: 3535919)								
EP071: C10 - C14 Fraction	----	50	mg/kg	<50	318 mg/kg	94.7	84	117
EP071: C15 - C28 Fraction	----	100	mg/kg	<100	531 mg/kg	95.5	78	120
EP071: C29 - C36 Fraction	----	100	mg/kg	<100	----	----	----	----
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 (QCLot: 3535914)								
EP080: C6 - C10 Fraction	C6_C10	10	mg/kg	<10	18.5 mg/kg	110	66	119
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 (QCLot: 3535919)								
EP071: >C10 - C16 Fraction	>C10_C16	50	mg/kg	<50	428 mg/kg	97.5	86	117
EP071: >C16 - C34 Fraction	----	100	mg/kg	<100	395 mg/kg	93.1	77	121
EP071: >C34 - C40 Fraction	----	100	mg/kg	<100	----	----	----	----
EP080: BTEXN (QCLot: 3535914)								
EP080: Benzene	71-43-2	0.2	mg/kg	<0.2	1 mg/kg	95.6	73	105
EP080: Toluene	108-88-3	0.5	mg/kg	<0.5	1 mg/kg	101	73	105
EP080: Ethylbenzene	100-41-4	0.5	mg/kg	<0.5	1 mg/kg	98.0	67	104
EP080: meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg	<0.5	2 mg/kg	94.6	66	106
EP080: ortho-Xylene	95-47-6	0.5	mg/kg	<0.5	1 mg/kg	92.4	68	105
EP080: Naphthalene	91-20-3	1	mg/kg	<1	1 mg/kg	84.8	72	115

Matrix Spike (MS) Report

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

Released by EHP under the RTI Act 2009

Sub-Matrix: **SOIL**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Recovery Limits (%)	
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Concentration	MS	Low	High
EG005T: Total Metals by ICP-AES (QCLot: 3535931)							
EB1416599-006	Anonymous	EG005T: Arsenic	7440-38-2	50 mg/kg	101	70	130
		EG005T: Cadmium	7440-43-9	25 mg/kg	113	70	130
		EG005T: Chromium	7440-47-3	50 mg/kg	108	70	130
		EG005T: Copper	7440-50-8	50 mg/kg	110	70	130
		EG005T: Lead	7439-92-1	50 mg/kg	104	70	130
		EG005T: Nickel	7440-02-0	50 mg/kg	105	70	130
		EG005T: Zinc	7440-66-6	50 mg/kg	109	70	130
EG035T: Total Recoverable Mercury by FIMS (QCLot: 3535930)							
EB1416517-003	Anonymous	EG035T: Mercury	7439-97-6	5.0 mg/kg	95.8	70	130
EP080/071: Total Petroleum Hydrocarbons (QCLot: 3535914)							
EB1416517-001	Anonymous	EP080: C6 - C9 Fraction	----	8 mg/kg	76.2	70	130
EP080/071: Total Petroleum Hydrocarbons (QCLot: 3535919)							
EB1416517-003	Anonymous	EP071: C10 - C14 Fraction	----	318 mg/kg	93.4	70	130
		EP071: C15 - C28 Fraction	----	531 mg/kg	92.7	70	130
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 (QCLot: 3535914)							
EB1416517-001	Anonymous	EP080: C6 - C10 Fraction	C6_C10	8 mg/kg	76.1	70	130
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 (QCLot: 3535919)							
EB1416517-003	Anonymous	EP071: >C10 - C16 Fraction	>C10_C16	428 mg/kg	96.2	70	130
		EP071: >C16 - C34 Fraction	----	395 mg/kg	90.4	70	130
EP080: BTEXN (QCLot: 3535914)							
EB1416517-001	Anonymous	EP080: Benzene	71-43-2	2 mg/kg	82.6	70	130
		EP080: Toluene	108-88-3	2 mg/kg	82.2	70	130

Released by EHP under the RTI Act 2009

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

The quality control term Matrix Spike (MS) and Matrix Spike Duplicate (MSD) refers to intralaboratory split samples spiked with a representative set of target analytes. The purpose of these QC parameters are to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

Sub-Matrix: **SOIL**

				Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
				Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Concentration	MS	MSD	Low	High	Value	Control Limit
EP080/071: Total Petroleum Hydrocarbons (QCLot: 3535914)										
EB1416517-001	Anonymous	EP080: C6 - C9 Fraction	----	8 mg/kg	76.2	----	70	130	----	----
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 (QCLot: 3535914)										
EB1416517-001	Anonymous	EP080: C6 - C10 Fraction	C6_C10	8 mg/kg	76.1	----	70	130	----	----
EP080: BTEXN (QCLot: 3535914)										
EB1416517-001	Anonymous	EP080: Benzene	71-43-2	2 mg/kg	82.6	----	70	130	----	----

Page : 7 of 7
Work Order : EB1416603
Client : DOUGLAS PARTNERS PTY LTD
Project : 80648 00

Sub-Matrix: **SOIL**

				Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
				Spike	Spike Recovery (%)		Recovery Limits (%)		RPDs (%)	
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Concentration	MS	MSD	Low	High	Value	Control Limit
EP080: BTEXN (QCLot: 3535914) - continued										
EB1416517-001	Anonymous	EP080: Toluene	108-88-3	2 mg/kg	82.2	----	70	130	----	----
EP080/071: Total Petroleum Hydrocarbons (QCLot: 3535919)										
EB1416517-003	Anonymous	EP071: C10 - C14 Fraction	----	318 mg/kg	93.4	----	70	130	----	----
		EP071: C15 - C28 Fraction	----	531 mg/kg	92.7	----	70	130	----	----
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 (QCLot: 3535919)										
EB1416517-003	Anonymous	EP071: >C10 - C16 Fraction	>C10_C16	428 mg/kg	96.2	----	70	130	----	----
		EP071: >C16 - C34 Fraction	----	395 mg/kg	90.4	----	70	130	----	----
EG035T: Total Recoverable Mercury by FIMS (QCLot: 3535930)										
EB1416517-003	Anonymous	EG035T: Mercury	7439-97-6	5.0 mg/kg	95.8	----	70	130	----	----
EG005T: Total Metals by ICP-AES (QCLot: 3535931)										
EB1416599-006	Anonymous	EG005T: Arsenic	7440-38-2	50 mg/kg	101	----	70	130	----	----
		EG005T: Cadmium	7440-43-9	25 mg/kg	113	----	70	130	----	----
		EG005T: Chromium	7440-47-3	50 mg/kg	108	----	70	130	----	----
		EG005T: Copper	7440-50-8	50 mg/kg	110	----	70	130	----	----
		EG005T: Lead	7439-92-1	50 mg/kg	104	----	70	130	----	----
		EG005T: Nickel	7440-02-0	50 mg/kg	105	----	70	130	----	----
		EG005T: Zinc	7440-66-6	50 mg/kg	109	----	70	130	----	----

Released by EHP under the RTI Act 2009

ALS Batch EB1419036

Released by EHP under the RTI Act 2009

CHAIN OF CUSTODY

ALS Laboratory: please tick →

☐ Sydney: 277 Woodpark Rd, Smithfield NSW 2164 Ph: 02 8784 8555 E: samples.sydney@alsenviro.com
☐ Newcastle: 5 Rosegum Rd, Warabrook NSW 2304 Ph: 02 4968 9433 E: samples.newcastle@alsenviro.com
☐ Brisbane: 32 Shand St, Stafford QLD 4053 Ph: 07 3243 7222 E: samples.brisbane@alsenviro.com
☐ Townsville: 14-15 Desma Ct, Bohle QLD 4818 Ph: 07 4796 0600 E: [redacted]
☐ Melbourne: 2-4 [redacted] Springvale VIC 3171 Ph: 03 8549 9600 E: [redacted]@alsenviro.com
☐ Adelaide: 2-1 Burma [redacted] Pooraka SA 5095 Ph: 08 8359 0890 E: adelaide@alsenviro.com
☐ Perth: 10 Hod Way, Malaga WA 6090 Ph: 08 9209 7655 E: samples.perth@alsenviro.com
☐ Launceston: 27 Wellington St, Launceston TAS 7250 Ph: 03 6331 2158 E: launceston@alsenviro.com

CLIENT:	Douglas Partners Pty Ltd	TURNAROUND REQUIREMENTS : (Standard TAT may be longer for some tests e.g. Ultra Trace Organics)	☑ Standard TAT (List due date): 20/08/2014 ☐ Non Standard or urgent TAT (List due date):
OFFICE:	439 Montague Road, West End Qld 4101	ALS QUOTE NO.:	EN-020-14
PROJECT:	80648.01	COC SEQUENCE NUMBER (Circle)	COC: 1 2 3 4 5 6 7 OF: 1 2 3 4 5 6 7
ORDER NUMBER:			
PROJECT MANAGER:		CONTACT PH: s.73	
SAMPLER: s.73		SAMPLER MOBILE: Sch4p4(6) Mobile	
COC emailed to ALS? (YES / NO)		EDD FORMAT (or default):	
Email Reports to (will default to PM if no other addresses are listed):			
Email Invoice to (will default to PM if no other addresses are listed):	s.73		

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
s.73			
DATE/TIME: 12/08/14	DATE/TIME:	DATE/TIME:	DATE/TIME:

COMMENTS/SPECIAL HANDLING/STORAGE OR DISPOSAL:

	SAMPLE DETAILS MATRIX: Solid(S) Water(W)			CONTAINER INFORMATION		ANALYSIS REQUIRED including SUITES (NB. Suite Codes must be listed to attract suite price) Where Metals are required, specify Total (unfiltered bottle required) or Dissolved (field filtered bottle required).								Additional Information
LAB ID	SAMPLE ID	DATE / TIME	MATRIX	TYPE & PRESERVATIVE (refer to codes below)	TOTAL BOTTLES	TCLP - Lead	TCLP - TRH	ASLP (deionised water) - Lead	ASLP (deionised water) - TRH					Comments on likely contaminant levels, dilutions, or samples requiring specific QC analysis etc.
1, 3	SP1-2	9/07/2014	S		1	X	X	X	X					Re-batch of workorder EB1416603
2, 4	SP1-3	9/07/2014	S		1	X	X	X	X					
				TOTAL	2	2	2	2	2	0	0	0	0	

Sch4p4(6) Signature

SCANNED

Environmental Division Brisbane

Work Order

EB1419036

Telephone : + s.73

Sch4p4(6) Signature Sch4p4(6) Signature

Water Container Codes: P = Unpreserved Plastic; N = Nitric Preserved Plastic; ORC = Nitric Preserved ORC; SH = Sodium Hydroxide/Cd Preserved; S = Sodium Hydroxide Preserved Plastic; AG = Amber Glass Unpreserved; AP - Airfreight Unpreserved Plastic
V = VOA Vial HCl Preserved; VB = VOA Vial Sodium Bisulphate Preserved; VS = VOA Vial Sulfuric Preserved, AV = Airfreight Unpreserved Vial SG = Sulfuric Preserved Amber Glass; H = HCl preserved Plastic; HS = HCl preserved Speciation bottle; SP = Sulfuric Preserved Plastic; F = Formaldehyde Preserved Glass; Z = Zinc Acetate Preserved Bottle; E = EDTA Preserved Bottles; ST = Sterile Bottle; ASS = Plastic Bag for Acid Sulphate Soils; B = Unpreserved Bag.

Page 1 of 1

Released by EHP under the RTI Act 2009

ALS Group
Environmental Division

SAMPLE RECEIPT NOTIFICATION (SRN)

Comprehensive Report

Work Order	: **EB1419036**		
Client	: **DOUGLAS PARTNERS PTY LTD**	Laboratory	: Environmental Division Brisbane
Contact	: s.73	Contact	: s.73
Address	: 439 MONTAGUE ROAD WEST END QLD, AUSTRALIA 4101	Address	: 2 Byth Street Stafford QLD Australia 4053
E-mail	: s.73	E-mail	: s.73
Telephone	:	Telephone	: s.73
Facsimile	: +61 07 32378999	Facsimile	: 07 3352 3662
Project	: 80648 01	Page	: 1 of 2
Order number	: ----		
C-O-C number	: ----	Quote number	: EB2014DOUPAR0262 (EN/020/14)
Site	: ----		
Sampler	s.73	QC Level	: NEPM 2013 Schedule B(3) and ALS QCS3 requirement

Dates

Date Samples Received	: 12-AUG-2014	Issue Date	: 15-AUG-2014 15:38
Client Requested Due Date	: 20-AUG-2014	Scheduled Reporting Date	: **20-AUG-2014**

Delivery Details

Mode of Delivery	: Samples on hand	Temperature	: 4.0°C
No. of coolers/boxes	: REBATCH	No. of samples received	: 4
Security Seal	: N/A	No. of samples analysed	: 4

General Comments

- This report contains the following information:
  - Sample Container(s)/Preservation Non-Compliances
  - Summary of Sample(s) and Requested Analysis
  - Proactive Holding Time Report
  - Requested Deliverables
- **Samples received in appropriately pretreated and preserved containers.**
- **This is a rebatch of EB1416603.**
- **Analysis will be conducted by ALS Environmental, Sydney, NATA accreditation no. 825, Site No. 10911 (Micro site no. 14913).**
- **Breaches in recommended extraction / analysis holding times (if any) are displayed overleaf in the Proactive Holding Time Report table.**
- Discounted Package Prices apply only when specific ALS Group Codes ('W', 'S', 'NT' etc. suites) are referenced on COCs.
- Please direct any turn around / technical queries to the laboratory contact designated above.
- Please direct any queries related to sample condition / numbering / breakages to Matt Goodwin (matthew.goodwin@alsglobal.com)
- Sample Disposal - Aqueous (14 days), Solid (60 days) from date of completion of work order.

Released by EHP under the RTI Act 2009

Release

Sample Container(s)/Preservation Non-Compliances

All comparisons are made against pretreatment/preservation AS, APHA, USEPA standards.

- **No sample container / preservation non-compliance exists.**

Any sample identifications that cannot be displayed entirely in the analysis summary table will be listed below.

EB1419036-001	: 09-JUL-2014 15:00	: SP1-2 - TCLP LEACHATE
EB1419036-002	: 09-JUL-2014 15:00	: SP1-3 - TCLP LEACHATE
EB1419036-003	: 09-JUL-2014 15:00	: SP1-2 - ASLP LEACHATE
EB1419036-004	: 09-JUL-2014 15:00	: SP1-3 - ASLP LEACHATE

Summary of Sample(s) and Requested Analysis

Some items described below may be part of a laboratory process necessary for the execution of client requested tasks. Packages may contain additional analyses, such as the determination of moisture content and preparation tasks, that are included in the package.
If no sampling time is provided, the sampling time will default to 15:00 on the date of sampling. If no sampling date is provided, the sampling date will be assumed by the laboratory for processing purposes and will be shown bracketed without a time component.

Matrix: **SOIL**

Laboratory sample ID	Client sampling date / time	Client sample ID	SOIL - EG005C Leachable Metals by ICPAES	SOIL - EG005W Water Leachable Metals by ICPAES	SOIL - TCLP TCLP Leach	SOIL - TPH TRH (fractions)
EB1419036-001	09-JUL-2014 15:00	SP1-2 TCLP LEACHATE	✓		✓	✓
EB1419036-002	09-JUL-2014 15:00	SP1-3 TCLP LEACHATE	✓		✓	✓
EB1419036-003	09-JUL-2014 15:00	SP1-2 ASLP LEACHATE		✓		✓
EB1419036-004	09-JUL-2014 15:00	SP1-3 ASLP LEACHATE		✓		✓

Proactive Holding Time Report

Sample(s) have been received within the recommended holding times for the requested analysis.

Requested Deliverables

s.73

- *AU Certificate of Analysis - NATA (COA)	Email
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email
- Chain of Custody (CoC) (COC)	Email
- EDI Format - ENMRG (ENMRG)	Email
- EDI Format - XTab (XTAB)	Email

s.73

- A4 - AU Tax Invoice (INV)	Email

s.73

Released by EHP under the RTI Act 2009

ALS Environmental

CERTIFICATE OF ANALYSIS

Work Order	: **EB1419036**	Page	: 1 of 7
Client	: **DOUGLAS PARTNERS PTY LTD**	Laboratory	: Environmental Division Brisbane
Contact	: s.73	Contact	: s.73
Address	: 439 MONTAGUE ROAD WEST END QLD, AUSTRALIA 4101	Address	: 2 Byth Street Stafford QLD Australia 4053
E-mail	:	E-mail	:
Telephone	: s.73	Telephone	: s.73
Facsimile	: +61 07 32378999	Facsimile	: 07 3352 3662
Project	: 80648 01	QC Level	: NEPM 2013 Schedule B(3) and ALS QCS3 requirement
Order number	: ----		
C-O-C number	: ----	Date Samples Received	: 12-AUG-2014
Sampler	: s.73	Issue Date	: 20-AUG-2014
Site	: ----		
		No. of samples received	: 4
Quote number	: EN/020/14	No. of samples analysed	: 4

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. All pages of this report have been checked and approved for release.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

NATA

WORLD RECOGNISED ACCREDITATION

NATA Accredited Laboratory 825

Accredited for compliance with ISO/IEC 17025.

Signatories

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

Signatories	*Position*	*Accreditation Category*
s.73	Senior Spectroscopist	Sydney Inorganics
	Organic Coordinator	Sydney Organics
	Senior Chemist Volatiles	Sydney Organics

Released by EHP under the RTI Act 2009

Releas

General Comments

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contact for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting

Released by EHP under the RTI Act 2009

Page	: 3 of 7
Work Order	: EB1419036
Client	: DOUGLAS PARTNERS PTY LTD
Project	: 80648 01

Analytical Results

Sub-Matrix: **ASLP LEACHATE** (Matrix: **WATER**)

Compound	CAS Number	LOR	Unit	Client sample ID: SP1-2 ASLP LEACHATE	SP1-3 ASLP LEACHATE	----	----	----
				Client sampling date / time: 19-AUG-2014 12:00	19-AUG-2014 12:00	----	----	----
				EB1419036-003	EB1419036-004	----	----	----
EG005W: Water Leachable Metals by ICPAES								
Lead	7439-92-1	0.01	mg/L	**0.02**	**0.01**	----	----	----
EP080/071: Total Petroleum Hydrocarbons								
C10 - C14 Fraction	----	50	µg/L	<50	<50	----	----	----
C15 - C28 Fraction	----	100	µg/L	<100	**110**	----	----	----
C29 - C36 Fraction	----	50	µg/L	<50	<50	----	----	----
^ **C10 - C36 Fraction (sum)**	----	50	µg/L	<50	**110**	----	----	----
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013								
>C10 - C16 Fraction	>C10_C16	100	µg/L	<100	<100	----	----	----
>C16 - C34 Fraction	----	100	µg/L	<100	<100	----	----	----
>C34 - C40 Fraction	----	100	µg/L	<100	<100	----	----	----
^ **>C10 - C40 Fraction (sum)**	----	100	µg/L	<100	<100	----	----	----
^ **>C10 - C16 Fraction minus Naphthalene (F2)**	----	100	µg/L	<100	<100	----	----	----

Released by EHP under the RTI Act 2009

Releas

Analytical Results

Sub-Matrix: **SOIL** (Matrix: **SOIL**)

Compound	CAS Number	LOR	Unit	Client sample ID: SP1-2 TCLP LEACHATE	SP1-3 TCLP LEACHATE	SP1-2 ASLP LEACHATE	SP1-3 ASLP LEACHATE	----
				Client sampling date / time: 09-JUL-2014 15:00	09-JUL-2014 15:00	09-JUL-2014 15:00	09-JUL-2014 15:00	----
				EB1419036-001	EB1419036-002	EB1419036-003	EB1419036-004	----
EN33: TCLP Leach								
Initial pH	----	0.1	pH Unit	6.8	7.4	----	----	----
After HCl pH	----	0.1	pH Unit	1.6	1.6	----	----	----
Extraction Fluid Number	----	1	-	1	1	----	----	----
Final pH	----	0.1	pH Unit	4.9	4.9	----	----	----
EN60: ASLP Leaching Procedure								
Final pH	----	0.1	pH Unit	----	----	8.6	8.2	----
EN60Z: ASLP Leachate - ZHE								
Extraction Fluid pH	----	0.1	pH Unit	----	----	3.0	3.0	----

Released by EHP under the RTI Act 2009

Page : 5 of 7
Work Order : EB1419036
Client : DOUGLAS PARTNERS PTY LTD
Project : 80648 01

Analytical Results

Sub-Matrix: TCLP LEACHATE (Matrix: WATER)			Client sample ID	SP1-2 TCLP LEACHATE	SP1-3 TCLP LEACHATE	----	----	----
			Client sampling date / time	19-AUG-2014 12:00	19-AUG-2014 12:00	----	----	----
Compound	CAS Number	LOR	Unit	EB1419036-001	EB1419036-002	----	----	----
EG005C: Leachable Metals by ICPAES								
Lead	7439-92-1	0.1	mg/L	2.4	3.7	----	----	----
EP080/071: Total Petroleum Hydrocarbons								
C10 - C14 Fraction	----	50	µg/L	<50	<50	----	----	----
C15 - C28 Fraction	----	100	µg/L	150	140	----	----	----
C29 - C36 Fraction	----	50	µg/L	<50	<50	----	----	----
^ C10 - C36 Fraction (sum)	----	50	µg/L	150	140	----	----	----
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013								
>C10 - C16 Fraction	>C10_C16	100	µg/L	<100	<100	----	----	----
>C16 - C34 Fraction	----	100	µg/L	170	150	----	----	----
>C34 - C40 Fraction	----	100	µg/L	<100	<100	----	----	----
^ >C10 - C40 Fraction (sum)	----	100	µg/L	170	150	----	----	----
^ >C10 - C16 Fraction minus Naphthalene (F2)	----	100	µg/L	<100	<100	----	----	----

Released by EHP under the RTI Act 2009

Release

Analytical Results

Sub-Matrix: ZHE LEACHATE (Matrix: WATER)				Client sample ID	SP1-2 TCLP LEACHATE	SP1-3 TCLP LEACHATE	SP1-2 ASLP LEACHATE	SP1-3 ASLP LEACHATE	----
				Client sampling date / time	19-AUG-2014 12:00	19-AUG-2014 12:00	20-AUG-2014 12:00	20-AUG-2014 12:00	----
Compound	CAS Number	LOR	Unit		EB1419036-001	EB1419036-002	EB1419036-003	EB1419036-004	----
EP080/071: Total Petroleum Hydrocarbons									
C6 - C9 Fraction	----	20	µg/L		<20	<20	<20	<20	----
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013									
C6 - C10 Fraction	C6_C10	20	µg/L		<20	<20	<20	<20	----
^ C6 - C10 Fraction minus BTEX (F1)	C6_C10-BTEX	20	µg/L		<20	<20	<20	<20	----
EP080: BTEXN									
Benzene	71-43-2	1	µg/L		<1	<1	<1	<1	----
Toluene	108-88-3	2	µg/L		<2	<2	<2	<2	----
Ethylbenzene	100-41-4	2	µg/L		<2	<2	<2	<2	----
meta- & para-Xylene	108-38-3 106-42-3	2	µg/L		<2	<2	<2	<2	----
ortho-Xylene	95-47-6	2	µg/L		<2	<2	<2	<2	----
^ Total Xylenes	1330-20-7	2	µg/L		<2	<2	<2	<2	----
^ Sum of BTEX	----	1	µg/L		<1	<1	<1	<1	----
Naphthalene	91-20-3	5	µg/L		<5	<5	<5	<5	----
EP080S: TPH(V)/BTEX Surrogates									
1.2-Dichloroethane-D4	17060-07-0	0.1	%		87.9	81.8	74.9	82.0	----
Toluene-D8	2037-26-5	0.1	%		102	98.9	106	105	----
4-Bromofluorobenzene	460-00-4	0.1	%		89.5	84.8	104	107	----

Released by EHP under the RTI Act 2009

Page	: 7 of 7
Work Order	: EB1419036
Client	: DOUGLAS PARTNERS PTY LTD
Project	: 80648 01

Surrogate Control Limits

Sub-Matrix: **ZHE LEACHATE**		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
EP080S: TPH(V)/BTEX Surrogates			
1.2-Dichloroethane-D4	17060-07-0	71	137
Toluene-D8	2037-26-5	79	131
4-Bromofluorobenzene	460-00-4	70	128

Released by EHP under the RTI Act 2009

ALS Environmental

INTERPRETIVE QUALITY CONTROL REPORT

Work Order	: **EB1419036**	Page	: 1 of 5
Client	: DOUGLAS PARTNERS PTY LTD	Laboratory	: Environmental Division Brisbane
Contact	s.73	Contact	: s.73
Address	: 439 MONTAGUE ROAD WEST END QLD, AUSTRALIA 4101	Address	: 2 Byth Street Stafford QLD Australia 4053
E-mail	s.73	E-mail	s.73
Telephone		Telephone	
Facsimile	: +61 07 32378999	Facsimile	: 07 3352 3662
Project	: 80648 01	QC Level	: NEPM 2013 Schedule B(3) and ALS QCS3 requirement
Site	: ----		
C-O-C number	: ----	Date Samples Received	: 12-AUG-2014
Sampler	s.73	Issue Date	: 20-AUG-2014
Order number	: ----		
		No. of samples received	: 4
Quote number	: EN/020/14	No. of samples analysed	: 4

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. All pages of this report have been checked and approved for release.

This Interpretive Quality Control Report contains the following information:

- Analysis Holding Time Compliance
- Quality Control Parameter Frequency Compliance
- Brief Method Summaries
- Summary of Outliers

Released by EHP under the RTI Act 2009

Page	: 2 of 5
Work Order	: EB1419036
Client	: DOUGLAS PARTNERS PTY LTD
Project	: 80648 01

Analysis Holding Time Compliance

This report summarizes extraction / preparation and analysis times and compares each with recommended holding times (USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns. A listing of breaches (if any) is provided herein.

Holding time for leachate methods (e.g. TCLP) vary according to the analytes reported. Assessment compares the leach date with the shortest analyte holding time for the equivalent soil method. These are: organics 14 days, mercury 28 days & other metals 180 days. A recorded breach does not guarantee a breach for all non-volatile parameters.

Holding times for ***VOC in soils*** vary according to analytes of interest. Vinyl Chloride and Styrene holding time is 7 days; others 14 days. A recorded breach does not guarantee a breach for all VOC analytes and should be verified in case the reported breach is a false positive or Vinyl Chloride and Styrene are not key analytes of interest/concern.

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)		Sample Date	Extraction / Preparation			Analysis		
			Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EG005C: Leachable Metals by ICPAES								
Clear Plastic Bottle - Nitric Acid; Unfiltered (EG005C)								
SP1-2 - TCLP LEACHATE,	SP1-3 - TCLP LEACHATE	19-AUG-2014	19-AUG-2014	15-FEB-2015	✓	19-AUG-2014	15-FEB-2015	✓
EG005W: Water Leachable Metals by ICPAES								
Clear Plastic Bottle - Nitric Acid; Unfiltered (EG005W)								
SP1-2 - ASLP LEACHATE,	SP1-3 - ASLP LEACHATE	19-AUG-2014	19-AUG-2014	15-FEB-2015	✓	20-AUG-2014	15-FEB-2015	✓
EN33: TCLP Leach								
LabSplit: Leach for organics and other tests (EN33a)								
SP1-2 - TCLP LEACHATE,	SP1-3 - TCLP LEACHATE	09-JUL-2014	---	23-JUL-2014	----	19-AUG-2014	23-JUL-2014	×
EN60: ASLP Leaching Procedure								
LabSplit: Leach for organics and other tests (EN60a)								
SP1-2 - ASLP LEACHATE,	SP1-3 - ASLP LEACHATE	09-JUL-2014	---	23-JUL-2014	----	19-AUG-2014	23-JUL-2014	×
EN60Z: ASLP Leachate - ZHE								
Lab Split: ZHE leach for VOC only (EN60Za)								
SP1-2 - ASLP LEACHATE,	SP1-3 - ASLP LEACHATE	09-JUL-2014	---	16-JUL-2014	----	19-AUG-2014	16-JUL-2014	×
EP080/071: Total Petroleum Hydrocarbons								
Amber Glass Bottle - Unpreserved (EP071)								
SP1-2 - TCLP LEACHATE,	SP1-3 - TCLP LEACHATE	19-AUG-2014	19-AUG-2014	26-AUG-2014	✓	20-AUG-2014	28-SEP-2014	✓
SP1-2 - ASLP LEACHATE,	SP1-3 - ASLP LEACHATE							
EP080: BTEXN								
Amber VOC Vial - Sulfuric Acid (EP080)								
SP1-2 - TCLP LEACHATE,	SP1-3 - TCLP LEACHATE	19-AUG-2014	19-AUG-2014	02-SEP-2014	✓	19-AUG-2014	02-SEP-2014	✓
Amber VOC Vial - Sulfuric Acid (EP080)								
SP1-2 - ASLP LEACHATE,	SP1-3 - ASLP LEACHATE	20-AUG-2014	20-AUG-2014	03-SEP-2014	✓	20-AUG-2014	03-SEP-2014	✓
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013								
Amber VOC Vial - Sulfuric Acid (EP080)								
SP1-2 - TCLP LEACHATE,	SP1-3 - TCLP LEACHATE	19-AUG-2014	19-AUG-2014	02-SEP-2014	✓	19-AUG-2014	02-SEP-2014	✓
Amber VOC Vial - Sulfuric Acid (EP080)								
SP1-2 - ASLP LEACHATE,	SP1-3 - ASLP LEACHATE	20-AUG-2014	20-AUG-2014	03-SEP-2014	✓	20-AUG-2014	03-SEP-2014	✓

Released by EHP under the RTI Act 2009

Releas

Quality Control Parameter Frequency Compliance

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(where) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Matrix: **WATER**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Leachable Metals by ICPAES	EG005C	2	20	**10.0**	**10.0**	✓	NEPM 2013 Schedule B(3) and ALS QCS3 requirement
Water Leachable Metals by ICPAES	EG005W	1	2	**50.0**	**10.0**	✓	NEPM 2013 Schedule B(3) and ALS QCS3 requirement
Laboratory Control Samples (LCS)							
Leachable Metals by ICPAES	EG005C	1	20	**5.0**	**5.0**	✓	NEPM 2013 Schedule B(3) and ALS QCS3 requirement
TRH - Semivolatile Fraction	EP071	2	15	**13.3**	**5.0**	✓	NEPM 2013 Schedule B(3) and ALS QCS3 requirement
TRH Volatiles/BTEX	EP080	2	19	**10.5**	**5.0**	✓	NEPM 2013 Schedule B(3) and ALS QCS3 requirement
Water Leachable Metals by ICPAES	EG005W	1	2	**50.0**	**5.0**	✓	NEPM 2013 Schedule B(3) and ALS QCS3 requirement
Method Blanks (MB)							
Leachable Metals by ICPAES	EG005C	1	20	**5.0**	**5.0**	✓	NEPM 2013 Schedule B(3) and ALS QCS3 requirement
TRH - Semivolatile Fraction	EP071	2	15	**13.3**	**5.0**	✓	NEPM 2013 Schedule B(3) and ALS QCS3 requirement
TRH Volatiles/BTEX	EP080	2	19	**10.5**	**5.0**	✓	NEPM 2013 Schedule B(3) and ALS QCS3 requirement
Water Leachable Metals by ICPAES	EG005W	1	2	**50.0**	**5.0**	✓	NEPM 2013 Schedule B(3) and ALS QCS3 requirement
Matrix Spikes (MS)							
Leachable Metals by ICPAES	EG005C	1	20	**5.0**	**5.0**	✓	NEPM 2013 Schedule B(3) and ALS QCS3 requirement
Water Leachable Metals by ICPAES	EG005W	1	2	**50.0**	**5.0**	✓	NEPM 2013 Schedule B(3) and ALS QCS3 requirement

Released by EHP under the RTI Act 2009

Release

Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
Leachable Metals by ICPAES	EG005C	SOIL	In house QWI-EN/EG005C referenced to APHA 21st ed., 3120; USEPA SW 846 - 6010: The ICPAES technique ionises leachate sample atoms emitting a characteristic spectrum. This spectrum is then compared against matrix matched standards for quantification. This method is compliant with NEPM (2013) Schedule B(3)
Water Leachable Metals by ICPAES	EG005W	SOIL	APHA 21st ed., 3120; USEPA SW 846 - 6010 The ICPAES technique ionises leachate sample atoms emitting a characteristic spectrum. This spectrum is then compared against matrix matched standards for quantification. This method is compliant with NEPM (2013) Schedule B(3)
TRH - Semivolatile Fraction	EP071	SOIL	USEPA SW 846 - 8015A The sample extract is analysed by Capillary GC/FID and quantification is by comparison against an established 5 point calibration curve of n-Alkane standards. This method is compliant with the QC requirements of NEPM (2013) Schedule B(3)
TRH Volatiles/BTEX	EP080	SOIL	USEPA SW 846 - 8260B Water samples are directly purged prior to analysis by Capillary GC/MS and quantification is by comparison against an established 5 point calibration curve. Alternatively, a sample is equilibrated in a headspace vial and a portion of the headspace determined by GCMS analysis. This method is compliant with the QC requirements of NEPM (2013) Schedule B(3)

Preparation Methods	Method	Matrix	Method Descriptions
Digestion for Total Recoverable Metals in TCLP Leachate	EN25C	SOIL	USEPA SW846-3005 Method 3005 is a Nitric/Hydrochloric acid digestion procedure used to prepare surface and ground water samples for analysis by ICPAES or ICPMS. This method is compliant with NEPM (2013) Schedule B(3)
Digestion for Total Recoverable Metals in DI Water Leachate	EN25W	SOIL	USEPA SW846-3005 Method 3005 is a Nitric/Hydrochloric acid digestion procedure used to prepare surface and ground water samples for analysis by ICPAES or ICPMS. This method is compliant with NEPM (2013) Schedule B(3)
TCLP for Non & Semivolatile Analytes	EN33a	SOIL	In house QWI-EN/33 referenced to USEPA SW846-1311: The TCLP procedure is designed to determine the mobility of both organic and inorganic analytes present in wastes. The standard TCLP leach is for non-volatile and Semivolatile test parameters.
TCLP for Volatile Analytes (Zero Headspace Extraction)	EN33Za	SOIL	In house QWI-EN/33 referenced to USEPA SW846-1311: ZHE (Toxicity Characteristic Leach Procedure - Zero Headspace Extraction) An extraction procedure to determine the mobility of volatile organic and inorganic analytes under specific conditions. This technique is compliant with NEPM (2013) Schedule B(3) (Method 101)
ASLP for Non & Semivolatile Analytes	EN60a	SOIL	In house QWI-EN/60 referenced to AS4439.3 Preparation of Leachates
ASLP for Volatile Analytes (Zero Headspace Extraction)	EN60Za	SOIL	In house QWI-EN/60 referenced to AS4439.2 Preparation of Leachates
Separatory Funnel Extraction of Liquids	ORG14	SOIL	USEPA SW 846 - 3510B 100 mL to 1L of sample is transferred to a separatory funnel and serially extracted three times using 60mL DCM for each extract. The resultant extracts are combined, dehydrated and concentrated for analysis. This method is compliant with NEPM (2013) Schedule B(3) . ALS default excludes sediment which may be resident in the container.

Released by EPA under the GIPA Act 2009

Summary of Outliers

Outliers : Quality Control Samples

The following report highlights outliers flagged in the Quality Control (QC) Report. Surrogate recovery limits are static and based on USEPA SW846 or ALS-QWI/EN/38 (in the absence of specific USEPA limits). This report displays QC Outliers (breaches) only.

Duplicates, Method Blanks, Laboratory Control Samples and Matrix Spikes

- **For all matrices, no Method Blank value outliers occur.**
- **For all matrices, no Duplicate outliers occur.**
- **For all matrices, no Laboratory Control outliers occur.**
- **For all matrices, no Matrix Spike outliers occur.**

Regular Sample Surrogates

- **For all regular sample matrices, no surrogate recovery outliers occur.**

Outliers : Analysis Holding Time Compliance

This report displays Holding Time breaches only. Only the respective Extraction / Preparation and/or Analysis component is/are displayed.

Matrix: **SOIL**

Method / Container / Client Sample ID(s)		Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Days overdue	Date analysed	Due for analysis	Days overdue
EN33: TCLP Leach							
LabSplit: Leach for organics and other tests							
SP1-2 - TCLP LEACHATE,	SP1-3 - TCLP LEACHATE	----	----	----	19-AUG-2014	23-JUL-2014	**27**
EN60: ASLP Leaching Procedure							
LabSplit: Leach for organics and other tests							
SP1-2 - ASLP LEACHATE,	SP1-3 - ASLP LEACHATE	----	----	----	19-AUG-2014	23-JUL-2014	**27**
EN60Z: ASLP Leachate - ZHE							
Lab Split: ZHE leach for VOC only							
SP1-2 - ASLP LEACHATE,	SP1-3 - ASLP LEACHATE	----	----	----	19-AUG-2014	16-JUL-2014	**34**

Outliers : Frequency of Quality Control Samples

The following report highlights breaches in the Frequency of Quality Control Samples.

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

Released by EHP under the RTI Act 2009

QUALITY CONTROL REPORT

Work Order	: **EB1419036**	Page	: 1 of 5
Client	: **DOUGLAS PARTNERS PTY LTD**	Laboratory	: Environmental Division Brisbane
Contact	: s.73	Contact	: s.73
Address	: 439 MONTAGUE ROAD WEST END QLD, AUSTRALIA 4101	Address	: 2 Byth Street Stafford QLD Australia 4053
E-mail	s.73	E-mail	s.73
Telephone		Telephone	
Facsimile	: +61 07 32378999	Facsimile	: 07 3352 3662
Project	: 80648 01	QC Level	: NEPM 2013 Schedule B(3) and ALS QCS3 requirement
Site	: ----		
C-O-C number	: ----	Date Samples Received	: 12-AUG-2014
Sampler	: s.73	Issue Date	: 20-AUG-2014
Order number	: ----		
		No. of samples received	: 4
Quote number	: EN/020/14	No. of samples analysed	: 4

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. All pages of this report have been checked and approved for release.

This Quality Control Report contains the following information:

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

NATA Accredited Laboratory 825

Accredited for compliance with ISO/IEC 17025.

Signatories

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

Signatories	*Position*	*Accreditation Category*
s.73	Senior Spectroscopist	Sydney Inorganics
	Organic Coordinator	Sydney Organics
	Senior Chemist Volatiles	Sydney Organics

Released by EHP under the RTI Act 2009

General Comments

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Key : Anonymous = Refers to samples which are not specifically part of this work order but formed part of the QC process lot
CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
RPD = Relative Percentage Difference
# = Indicates failed QC

Released by EHP under the RTI Act 2009

Page	: 3 of 5
Work Order	: EB1419036
Client	: DOUGLAS PARTNERS PTY LTD
Project	: 80648 01

Laboratory Duplicate (DUP) Report

The quality control term Laboratory Duplicate refers to a randomly selected intralaboratory split. Laboratory duplicates provide information regarding method precision and sample heterogeneity. The permitted ranges for the Relative Percent Deviation (RPD) of Laboratory Duplicates are specified in ALS Method QWI-EN/38 and are dependent on the magnitude of results in comparison to the level of reporting: Result < 10 times LOR: No Limit; Result between 10 and 20 times LOR: 0% - 50%; Result > 20 times LOR: 0% - 20%.

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Client sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Recovery Limits (%)*
EG005C: Leachable Metals by ICPAES (QC Lot: 3594568)									
EB1419036-001	SP1-2 TCLP LEACHATE	EG005C: Lead	7439-92-1	0.1	mg/L	2.4	2.5	7.3	0% - 20%
ES1418009-001	Anonymous	EG005C: Lead	7439-92-1	0.1	mg/L	<0.1	<0.1	0.0	No Limit
EG005W: Water Leachable Metals by ICPAES (QC Lot: 3594853)									
EB1419036-003	SP1-2 ASLP LEACHATE	EG005W: Lead	7439-92-1	0.01	mg/L	0.02	0.02	0.0	No Limit

Released by EHP under the RTI Act 2009

Releas

Method Blank (MB) and Laboratory Control Spike (LCS) Report

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination. The quality control term Laboratory Control Spike (LCS) refers to a certified reference material, or a known interference free matrix spiked with target analytes. The purpose of this QC parameter is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of processed LCS.

Sub-Matrix: **WATER**

				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Recovery Limits (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	Low	High
EG005C: Leachable Metals by ICPAES (QCLot: 3594568)								
EG005C: Lead	7439-92-1	0.1	mg/L	<0.1	0.1 mg/L	113	83	117
EG005W: Water Leachable Metals by ICPAES (QCLot: 3594853)								
EG005W: Lead	7439-92-1	0.01	mg/L	<0.01	0.1 mg/L	97.6	70	130
EP080/071: Total Petroleum Hydrocarbons (QCLot: 3594560)								
EP071: C10 - C14 Fraction	----	50	µg/L	<50	2000 µg/L	93.0	59	129
EP071: C15 - C28 Fraction	----	100	µg/L	<100	3000 µg/L	98.7	71	131
EP071: C29 - C36 Fraction	----	50	µg/L	<50	2000 µg/L	98.5	62	120
EP080/071: Total Petroleum Hydrocarbons (QCLot: 3594803)								
EP071: C10 - C14 Fraction	----	50	µg/L	<50	2000 µg/L	94.1	59	129
EP071: C15 - C28 Fraction	----	100	µg/L	<100	3000 µg/L	99.4	71	131
EP071: C29 - C36 Fraction	----	50	µg/L	<50	2000 µg/L	103	62	120
EP080/071: Total Petroleum Hydrocarbons (QCLot: 3594949)								
EP080: C6 - C9 Fraction	----	20	µg/L	<20	260 µg/L	93.1	75	127
EP080/071: Total Petroleum Hydrocarbons (QCLot: 3596636)								
EP080: C6 - C9 Fraction	----	20	µg/L	<20	260 µg/L	92.8	75	127
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 (QCLot: 3594560)								
EP071: >C10 - C16 Fraction	>C10_C16	100	µg/L	<100	2500 µg/L	101	58.9	131
EP071: >C16 - C34 Fraction	----	100	µg/L	<100	3500 µg/L	98.0	73.9	138
EP071: >C34 - C40 Fraction	----	50	µg/L	<100	1500 µg/L	103	67	127
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 (QCLot: 3594803)								
EP071: >C10 - C16 Fraction	>C10_C16	100	µg/L	<100	2500 µg/L	96.3	58.9	131
EP071: >C16 - C34 Fraction	----	100	µg/L	<100	3500 µg/L	98.4	73.9	138
EP071: >C34 - C40 Fraction	----	50	µg/L	<100	1500 µg/L	101	67	127
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 (QCLot: 3594949)								
EP080: C6 - C10 Fraction	C6_C10	20	µg/L	<20	310 µg/L	94.5	75	127
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 (QCLot: 3596636)								
EP080: C6 - C10 Fraction	C6_C10	20	µg/L	<20	310 µg/L	93.5	75	127
EP080: BTEXN (QCLot: 3594949)								
EP080: Benzene	71-43-2	1	µg/L	<1	10 µg/L	78.5	70	124
EP080: Toluene	108-88-3	2	µg/L	<2	10 µg/L	91.8	65	129
EP080: Ethylbenzene	100-41-4	2	µg/L	<2	10 µg/L	98.3	70	120
EP080: meta- & para-Xylene	108-38-3 106-42-3	2	µg/L	<2	10 µg/L	95.9	69	121

Released by EHP under the RTI Act 2009

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Recovery Limits (%): Low	Recovery Limits (%): High
EP080: BTEXN (QCLot: 3594949) - continued								
EP080: ortho-Xylene	95-47-6	2	µg/L	<2	10 µg/L	90.2	72	122
EP080: Naphthalene	91-20-3	5	µg/L	<5	10 µg/L	104	70	124
EP080: BTEXN (QCLot: 3596636)								
EP080: Benzene	71-43-2	1	µg/L	<1	10 µg/L	72.6	70	124
EP080: Toluene	108-88-3	2	µg/L	<2	10 µg/L	88.6	65	129
EP080: Ethylbenzene	100-41-4	2	µg/L	<2	10 µg/L	92.3	70	120
EP080: meta- & para-Xylene	108-38-3 106-42-3	2	µg/L	<2	10 µg/L	92.7	69	121
EP080: ortho-Xylene	95-47-6	2	µg/L	<2	10 µg/L	94.1	72	122
EP080: Naphthalene	91-20-3	5	µg/L	<5	10 µg/L	88.2	70	124

Matrix Spike (MS) Report

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

Sub-Matrix: **WATER**

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	SpikeRecovery(%): MS	Recovery Limits (%): Low	Recovery Limits (%): High
EG005C: Leachable Metals by ICPAES (QCLot: 3594568)							
EB1419036-002	SP1-3 TCLP LEACHATE	EG005C: Lead	7439-92-1	1 mg/L	106	70	130
EG005W: Water Leachable Metals by ICPAES (QCLot: 3594853)							
EB1419036-004	SP1-3 ASLP LEACHATE	EG005W: Lead	7439-92-1	1 mg/L	124	70	130

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

The quality control term Matrix Spike (MS) and Matrix Spike Duplicate (MSD) refers to intralaboratory split samples spiked with a representative set of target analytes. The purpose of these QC parameters are to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

Sub-Matrix: **WATER**

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report: Spike Concentration	Spike Recovery (%): MS	Spike Recovery (%): MSD	Recovery Limits (%): Low	Recovery Limits (%): High	RPDs (%): Value	RPDs (%): Control Limit
EG005C: Leachable Metals by ICPAES (QCLot: 3594568)										
EB1419036-002	SP1-3 TCLP LEACHATE	EG005C: Lead	7439-92-1	1 mg/L	106	----	70	130	----	----
EG005W: Water Leachable Metals by ICPAES (QCLot: 3594853)										
EB1419036-004	SP1-3 ASLP LEACHATE	EG005W: Lead	7439-92-1	1 mg/L	124	----	70	130	----	----

Released by EHP under the RTI Act 2009

Releas

Appendix F

Landfill Letter of Acceptance

Released by EHP under the RTI Act 2009

Solid Waste Division
Transpacific Waste Management
ABN: 55 120 175 635

100 Chum Street
New Chum QLD 4303
PO Box 384
BOOVAL FAIR QLD 4304
Phone: + s.73
Fax: + 07 3816 3055

21st August 2014

ATTENTION:
s.73 | Environmental Scientist
Douglas Partners Pty Ltd

Dear s.73

RE: D14818, Sunshine Coast Airport, Friendship Avenue, Marcoola, Lot 699 on SP261024

Following your email correspondance and provision of laboratory results, I consider we are able to accept the following volumes of soil for disposal:

1. Unlined Cell 5: approximately 100 m3

A condition of this acceptance letter being issued is that the applicant must inform Landfill Management of the dates that the soil will be transported to the landfill. Please ensure a copy of the disposal permit is forwarded to this facility prior to transportation.

We consider that this material will fall within the acceptance criteria of Transpacific Waste Management's DEHP Licence. Our DEHP licence number is EPPR00445713, Lot 268 on SP103913 and Lot 227 on SP103913. If you require any additional information please do not hesitate to contact the undersigned on (07) 3816 2166.

Yours sincerely,

s.73
Environmental/Technical Manager

Sch4p4(6) Signature

Released by EHP under the RTI Act 2009

Mont Louis

Released by EHP under the RTI Act 2009

Department of Environment and Heritage Protection (EHP)
ABN 46 640 294 485
Contaminated Land Unit Level 7 400 George St Brisbane, Queensland 4001
GPO Box 2454 Brisbane QLD 4001 AUSTRALIA
Telephone s.73 Facsimile (07) 3330 5634
http://www.ehp.qld.gov.au/land/contaminated-land/

Queensland Government

03 July 2012

Site ID: 79921
File Number: BNE32073
Enquiries to: s.73

SUNSHINE COAST REGIONAL COUNCIL
C/- OPERATIONS MANAGER
LOCKED BAG 72
SUNSHINE COAST MAIL CENTRE QLD 4560

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: 699 Plan: SP214349
Sunshine Coast Regional Council

FRIENDSHIP AVENUE
MAROOCHYDORE AIRPORT QLD 4558

The administering authority has decided that as a notice of consideration was sent, and the period for submission has lapsed, the parcel of land described above has been recorded on the EMR for the following notifiable activity, 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.

Released by EHP under the RTI Act 2009

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.
HAZARDOUS CONTAMINANT - This site has been subject to a hazardous contaminant. Refer to the summary given below.
Concentrations of BTEX compounds and TPH in groundwater above screening levels, referring to Comprehensive Groundwater Monitoring Report, Shell Maroochydore Airport, dated July 2011.

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 EHP, 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 EHP 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 EHP 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 web-site at:
http://www.ehp.qld.gov.au/land/contaminated-land/

Sch4p4(6) Signature

s.73

A/Director - Enforcement Services
BRISBANE

Delegate of Administering Authority
Environmental Protection Act 1994

Released by EHP under the RTI Act 2009

Department of Environment and Heritage Protection (EHP)
ABN 46 640 294 485
Contaminated Land Unit Level 7 400 George St Brisbane, Queensland 4001
GPO Box 2454 Brisbane QLD 4001 AUSTRALIA
Telephone s.73 Facsimile (07) 3330 5634
http://www.derm.qld.gov.au/environmental_management/land/contaminated_land/

Queensland Government

18 June 2012

Site ID: 39867
File Number: BNE32073
Enquiries to: s.73

Sunshine Coast Regional Council
Attn Operations Manager
Locked Bag 72
SUNSHINE COAST MAIL CENTRE QLD 4560

cc: Shell Company of Australia

AMENDED 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: 699 Plan: CG3786
Sunshine Coast Regional Council

FRIENDSHIP AVENUE
MARCOOLA QLD 4564

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.

Concentrations of BTEX compounds and TPH in groundwater above screening levels. Ref ERM's Comprehensive Groundwater Monitoring Report, Shell Maroochydore Airport (R408M) Friendship Avenue, Maroochydore Airport QLD 4558, dated July 2011.

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.

Released by EHP under the RTI Act 2009

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 EHP, 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 EHP 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 web-site at:
http://www.derm.qld.gov.au/environmental_management/land/contaminated_land/

Sch4p4(6) Signature

s.73

A/Director - Enforcement Services
BRISBANE

Delegate of Administering Authority
Environmental Protection Act 1994

Released by EHP under the RTI Act 2009

Department of Environment and Heritage Protection (EHP)
ABN 46 640 294 485
Contaminated Land Unit Level 7 400 George St Brisbane, Queensland 4001
GPO Box 2454 Brisbane QLD 4001 AUSTRALIA
Telephone s.73 Facsimile (07) 3330 5634
http://www.derm.qld.gov.au/environmental_management/land/contaminated_land/

Queensland Government

18 June 2012

Site ID: 39867
File Number: BNE32073
Enquiries to: s.73

The Chief Executive Officer
Sunshine Coast Regional Council
Locked Bag 72
SUNSHINE COAST MAIL CENTRE QLD 4560

AMENDED 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: 699 Plan: CG3786
FRIENDSHIP AVENUE
MARCOOLA 4564

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

Concentrations of BTEX compounds and TPH in groundwater above screening levels. Ref ERM's Comprehensive Groundwater Monitoring Report, Shell Maroochydore Airport (R408M) Friendship Avenue, Maroochydore Airport QLD 4558, dated July 2011.

Further information about contaminated land matters may be obtained by visiting our web-site at:
http://www.derm.qld.gov.au/environmental_management/land/contaminated_land/

Sch4p4(6) Signature

FOR s.73
A/Director - Enforcement Services
BRISBANE

Delegate of Administering Authority
Environmental Protection Act 1994

Released by DEHP under the RTI Act 2009

Department of Environment and Heritage Protection (EHP)
ABN 46 640 294 485
Contaminated Land Unit Level 7 400 George St Brisbane, Queensland 4001
GPO Box 2454 Brisbane QLD 4001 AUSTRALIA
Telephone s.73 Facsimile (07) 3330 5634
http://www.ehp.qld.gov.au/land/contaminated-land/

Queensland Government

03 July 2012

Site ID: 79921
File Number: BNE32073
Enquiries to: s.73

The Chief Executive Officer
Sunshine Coast Regional Council
Locked Bag 72
SUNSHINE COAST MAIL CENTRE QLD 4560

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: 699 Plan: SP214349
FRIENDSHIP AVENUE
MAROOCHYDORE AIRPORT QLD 4558

The administering authority has decided that as a notice of consideration was sent, and the period for submission has lapsed, the parcel of land described above has been recorded on the EMR for the following notifiable activity, 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
HAZARDOUS CONTAMINANT
Concentrations of BTEX compounds and TPH in groundwater above screening levels, referring to Comprehensive Groundwater Monitoring Report, Shell Maroochydore Airport, dated July 2011.

Further information about contaminated land matters may be obtained by visiting our web-site at:
http://www.ehp.qld.gov.au/land/contaminated-land/

Sch4p4(6) Signature

s.73
A/Director - Enforcement Services
BRISBANE

Delegate of Administering Authority
Environmental Protection Act 1994

Released by EHP under the RTI Act 2009

Department of Environment and Heritage Protection (EHP)
ABN 46 640 294 485
Contaminated Land Unit Level 7 400 George St Brisbane, Queensland 4001
GPO Box 2454 Brisbane QLD 4001 AUSTRALIA
Telephone s.73 Facsimile (07) 3330 5634
http://www.derm.qld.gov.au/environmental_management/land/contaminated_land/

Queensland Government

24 May 2012

Site ID: 79921
File Number:
Enquiries to: s.73

Sunshine Coast Regional Council
C/- Operations Manager
Locked Bag 72
SUNSHINE COAST MAIL CENTRE QLD 4560

NOTICE OF CONSIDERATION OF LISTING LAND ON THE ENVIRONMENTAL MANAGEMENT REGISTER

In accordance with section 373 of the *Environmental Protection Act 1994 (EP Act)* notice is given that the parcel of land described below is being considered for inclusion on the Environmental Management Register (EMR).

Lot: 699 Plan: SP214349 (Previously known as Lot 699 on Plan CG3786)
Sunshine Coast Regional Council

FRIENDSHIP AVENUE
MAROOCHYDORE AIRPORT QLD 4558

The Department of Environment and Heritage Protection (EHP) has been notified that the parcel of land has been used for the following notifiable activities or affected by the following hazardous contaminants pursuant to section 373 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.

HAZARDOUS CONTAMINANT - This site has been subject to a hazardous contaminant. Refer to the summary given below.

Concentrations of BTEX compounds and TPH in groundwater above screening levels, referring to Comprehensive Groundwater Monitoring Report, Shell Maroochydore Airport, dated July 2011.

Released by EHP under the RTI Act 2009

You may make a submission relating to this notice about whether or not the land has been, or is being used, for a notifiable activity or is contaminated land. Submissions must be accompanied by a statutory declaration by the owner, declaring that the owner:

(i) has not knowingly included any false or misleading information in the submission; and
(ii) has given all relevant information to the administering authority.

Submissions should be lodged with EHP within 22 business days after receipt of this notice. Your submission must be received no later than Thursday, 28 June 2012.

After this date, if no submission has been received from the owner, the land will be entered on the EMR, in accordance with section 374 of the *EP Act*. The enclosed leaflet explains the EMR and how potentially contaminated land in Queensland is managed.

Please note that the listing of a site on the EMR does not mean that the EHP requires that the land be investigated and remediated, or that it 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. In the event that the site is redeveloped, EHP may require that remediation of any contamination be conducted to protect public health and the environment. Remediation would be needed if there were evidence that the site presented an unacceptable health or environmental risk for its current use.

It should also be noted that, with the issuing of this notice under section 373, the following requirement applies 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 owner has been given notice under section 373 and the particulars about the notice.

Further information about contaminated land matters may be obtained by visiting our web-site at:
http://www.derm.qld.gov.au/environmental_management/land/contaminated_land/

Sch4p4(6) Signature

FOR Kelli Ready
A/Director - Enforcement Services
BRISBANE

Delegate of Administering Authority
Environmental Protection Act 1994

Released by EHP under the RTI Act 2009

Release

Management of contaminated land

Queensland Government

Environment and Resource Management

A green, strong and sustainable Queensland

How is land contaminated?

Land which is contaminated by hazardous chemical substances that may pose a risk to human health or the environment is called contaminated land. Land contamination can occur as a result of poor environmental management and waste disposal practices, or accidental spills in industrial or commercial activities. In the past, land was sometimes contaminated by activities that were not known to be dangerous at the time, often using chemicals which have since been banned or now are subject to much stricter controls.

Activities that have been identified as likely to cause land contamination are listed as notifiable activities in Schedule 3 of the Environmental Protection Act 1994 (EP Act). Common land uses which may cause contamination include service stations, cattle dips, tanneries, wood treatment sites, landfills, fuel storage and refuse tips.

Another type of contamination that affects some areas of Queensland is unexploded ordnance (UXO). UXO is ammunition such as artillery shells, mortar bombs and grenades that did not explode when used. In Queensland, most UXO is found on former training areas and firing ranges used by Australian and Allied Defence Forces, particularly during World War II. UXO may detonate if disturbed, causing a potential safety risk. The department implements specialised procedures for the assessment and management of UXOaffected land. UXO is not considered to be a 'hazardous contaminant' and UXOaffected land is not considered to be 'contaminated land' or land that has been used for a 'notifiable activity' for the purposes of this page.

Sustainable Planning Act 2009

Through the Sustainable Planning Act (SP Act), the land use planning process is used when there is a change of land use or when a subdivision application is made, to determine the public and environmental exposure to contaminated land and environmental harm. The SP Act is administered by the Department of Local Government and Planning. It provides a process to appropriately investigate the land (through a contaminated site investigation) using the process stipulated in the EP Act for contaminated land management.

Environmental Protection Act 1994

Contaminated land is managed through statutory processes leading to the prevention of health and environmental risks through environmental management of potentially contaminating activities.

The department reviews contaminated site investigations and approves site management plans in addition to providing advice to local government, industry and the community on legislative and technical requirements for contaminated land matters.

Under the EP Act, the department maintains two public registers that contain land use planning information the Environmental Management Register and the Contaminated Land Register.

The Environmental Management Register (EMR)

Land that has been or is being used for a notifiable activity and is notified to the department is recorded on the EMR. The EMR provides information on historical and current land use, including whether the land has been or is currently used for a notifiable activity, or has been contaminated by a hazardous contaminant. Sites on the EMR in most circumstances pose a 'low risk' to human health or the environment under their current land use. Entry on the EMR does not mean that the land must be cleaned up or that the current land use must stop.

Contaminated Land Register (CLR)

This is a register of proven contaminated land ('risk' sites) that is causing or may cause serious environmental harm. Land is recorded on the CLR when a scientific investigation shows that the land is contaminated and that action needs to be taken to remediate or manage the land (for example, technical measures to prevent migration of contaminants or full removal and offsite treatment) to prevent serious environmental harm or other adverse public health risks. Under the Sustainable Planning Act 2009, when a development application is made for a material change of use or reconfiguration of a lot recorded on the EMR or CLR, a site investigation and, where necessary, remediation are required.

How is land recorded on the registers?

Landowners and occupiers have responsibilities under the EP Act to notify the department when they become aware that their land has been or is being used for a notifiable activity or contaminated by a hazardous contaminant. When a landowner notifies the department that the land has been used for a notifiable activity, the land is recorded on the EMR.

Released by EHP under RTI Act

Release

Local governments also notify the department of land in their local government area that has been used for a notifiable activity or has been contaminated by a hazardous contaminant. Before land is entered on the EMR, the department informs the landowners of the notification. The landowners may make a submission to the department about the notification if they believe the information to be incorrect the department decides whether or not to record the land on the EMR.

The department issues written notices to landowners and local governments advising them when the land is recorded on the EMR.

How is land removed from the registers?

Land will be removed from the EMR if, at any time, the landowner or local government provides evidence to the department that no notifiable activity has occurred on the site, or that the land has not been contaminated.

When land has been investigated by a suitably qualified person or consultant (see Choosing a contaminated land consultant), a site investigation report about the land is submitted to the department for assessment.

If the department is satisfied that the land is not contaminated, the land is removed from the EMR.

Land is also removed from the CLR after work has been done to remediate the land and a site investigation report satisfies the department that the land no longer poses a risk to the environment or public health. In addition, land can be transferred from the CLR to the EMR where there is a site management plan for the land to manage the contamination so it no longer causes environmental harm or poses a risk to human health.

Local government responsibilities

Local governments have obligations under the EP Act relating to the identification, notification and management of contaminated land. Under the EP Act, all local governments in Queensland are required to notify the department of land that has been or is currently used for a notifiable activity within their local government area. This information is gathered by local governments through sources such as historical information, local knowledge and town planning records.

Owner responsibilities

Landowners are required under the EP Act to inform the department of any known 'notifiable activity' on their property.

The owner is also required to inform any occupier, such as persons who are renting, managing or leasing the land, if the property:

- is listed on the CLR;
- is listed on the EMR and subject to the conditions of any site management plan; or
- is the subject of a notice under Chapter 7, Part 8 of the EP Act.

Anyone selling or otherwise disposing of land that is listed on either of the registers is required to give written notice of the land's listing to any potential purchaser before agreeing to dispose of the land.

What are site management plans?

In some cases, (e.g. land used for industrial purposes or park land), it is not necessary or practical to remove the entire contaminated area. The land can be partly remediated, and the department can approve a site management plan which states the conditions under which the site can be used while preventing the contamination from causing environmental harm or posing a risk to human health.
Site management plans are recorded on the EMR and are provided with any related search of the registers. Information on whether land is recorded on the EMR or CLR can be obtained by a search of those registers.

Safeguards for land purchasers

The EP Act requires anyone selling or otherwise disposing of land that is recorded on the EMR or CLR to give written notice to the prospective purchaser of the recording and particulars of any current or outstanding notices given under the EP Act in relation to the land. This is an important provision, ensuring that potential buyers of land listed on the EMR or CLR can allow for any costs associated with assessment and possible remediation before purchase.

Both the EMR and CLR are public registers and can be searched for a fee.

Searching the registers

A joint search of the EMR and CLR usually forms part of the normal conveyancing process. You may also require a search if you are considering developing a piece of land or changing the use of the land. You can request the search yourself, or your solicitor or financial institution can undertake the search on your behalf.

When undertaking a search, you will need to provide:

Released by EHP under the RTI Act 2009

Relea

- the Lot number and Registered Plan numbers (including prefix and numbers) of the land (available from the Title Deed or rates notice); or
- the property location and address; and
- a search fee of $38.80 per lot (Internet) or $45.60 per lot (nonInternet) up to 31 July 2011. (Make cheques payable to Smart Service Queensland); or
- a search fee of $40.15 per lot (Internet) or $47.20 per lot (nonInternet) from 1 August 2011. (Make cheques payable to Smart Service Queensland).

Schedule 10 Part 4 of the Environmental Protection Regulation 2008 lists the fees associated with Contaminated Land payable in Australian dollars.

$40.15 per lot on plan from 1 August 2011:

- Website at www.qld.gov.au (look under Services Online) or www.smartservice.qld.gov.au/AQ, pay by credit card online and the search result will be emailed back to you, usually within ten minutes.

For $45.60 per lot on plan up to 31 July 2011 and $47.20 per lot on plan from 1 August 2011:

- Lodge searches on the search form in person at the department Customer Service Centre, Level 3, 400 George Street, Brisbane. The result is available for collection within five (5) working days.
- Mail a search request form to Smart Service Queensland with a cheque for the correct amount and the result will be mailed back within ten (10) working days.
- Fax a search request form to Smart Service Queensland with a credit card form and the result can be faxed back within one (1) working day.
- Various companies broker services that include Contaminated Land searches.

Released by EHP under the RTI Act 2009

Release

Lot	Plan	Prev Lot	Prev Plan	Parcel	Status	LGA	Site ID	Rec Type	Level	Category
699	CG3786			D		6710	39867	BP	1	N
699	SP214349	699	CG3786	C		6710	79921	NP	2	

2 items found,displaying all items.

Released by EHP under the RTI Act 2009

Copyright | Disclaimer | Privacy

© The State of Queensland (Environment and Resource Management) 2012.

CLU file # BNE 32073

QUEENSLAND LAND REGISTRY
Land Title Act 1994, Land Act 1994 and Water Act 2000

TRANSFER

Form 1 Version 4
Page 1 of 2

708295188

$105.60
15/12/2004 11:16

BE 305

and the water register.

Duty Imprint
Queensland Duty Paid $ 18,266.25
on amount of $ 561,001.10
Transfer Duty Section 22
Stamp No. / Lodgement No. / Trans No.
012,546,445-4
Signed: Sch4p4(6) Signature 7/12/04

1. Interest being transferred (if shares show as a fraction)	Lodger (Name, address & phone number)	Lodger Code
Lease No 700610540	s.73	
Note: A Form 24 (Property Transfer Information) must be attached to this Form where interest being transferred is "fee simple" (Land Title Act 1994), "State leasehold" (Land Act 1994) or "Water Allocation" (Water Act 2000)	Tel: s.73 Ref: JHL DPS 07-1353-4020	103

2. Lot on Plan Description	County	Parish	Title Reference
Lot 699 on CP CG3786	Canning	Maroochy	49022968

3. Transferor

Maroochydore Airport Terminal Services Pty Ltd ACN 056 572 224

4. Consideration

$1.00

5. Transferee Given names | Surname/Company name and number (include tenancy if more than one)

The Shell Company of Australia Limited
ACN 004 610 459

6. Transfer/Execution The transferor transfers to the transferee the estate and interest described in item 1 for the consideration and in the case of monetary consideration acknowledges receipt of the consideration. The transferor declares that the information contained in items 1 to 3 on the attached Form 24 is true and correct. The transferee states that the information contained in items 3 and 4 on the attached Form 24 is true and correct. Where a solicitor signs on behalf of the transferee the information in items 3 and 4 on Form 24 is based on information supplied by the transferee.

NOTE: Separate executions are required for each transferor and transferee.
Witnessing officer must be aware of his/her obligations under section 162 of the Land Title Act 1994

Witnessing Officer (signature, full name & qualification)	Execution Dat	Signature
.....	07 / 06 / 2004	Sch4p4(6) Signature
.....		Director/Secretary Maroochydore Airport Terminal Services Pty Ltd ACN 056 572 224

Witnessing Officer (signature, full name & qualification)	Execution Date	*Transferee's or Solicitor's Signature
.....	/ / 2004	SEE ENLARGED PANEL
.....		.....

(Witnessing officer must be in accordance with Schedule 1 of the Land Title Act 1994 eg Legal Practitioner, JP, C Dec)

*Note: A Solicitor is required to print full name if signing on behalf of the Transferee and no witness is required in this instance

151004696

Released by EHP under the RTI Act 2009

© The State of Queensland (Environment and Resource Management) 2012

Title Reference 50360081 and 49022968

6. Transfer/Execution The transferor transfers to the transferee the estate and interest described in item 1 for the consideration and in the case of monetary consideration acknowledges receipt of the consideration. The transferor declares that the information contained in items 1 to 3 on the attached Form 24 is true and correct. The transferee states that the information contained in items 3 and 4 on the attached Form 24 is true and correct. Where a solicitor signs on behalf of the transferee the information in items 3 and 4 on Form 24 is based on information supplied by the transferee.

NOTE: Separate executions are required for each transferor and transferee.
Witnessing officer must be aware of his/her obligations under section 162 of the Land Title Act 1994

W ...nature, full name & qualification) **Execution Date** ***T**...**icitor's Signature**

Sch4p4(6) Signature

Sch4p4(6) Signature

J.P. (CHwTD)

03/06/2004

s.73

Justice of the Peace

(Witnessing officer must be in accordance with Schedule 1

Signed for and on behalf of **The Shell Company of Australia Limited** by its duly appointed attorney s.73 (REGISTRATION NO 7010 3126)

s.73

pursuant to a Power of Attorney dated 1/10/2003 (and the attorney has received no notice of the revocation of the power of attorney)

of the Land Title Act 1994 eg Legal Practitioner, JP, C Dec)

*Note: A Solicitor is required to print full name if signing on behalf of the Transferee and no witness is required in this instance

Released by EHP under the RTI Act 2009

151004696

QUEENSLAND LAND REGISTRY
Land Title Act 1994, Land Act 1994 and Water Act 2000

GENERAL CONSENT

1. Lot on Plan Description	County	Parish	Title Reference
Lot 669 on Crown Plan CG3786	Canning	Maroochy	49022968

2. Instrument being consented to

Instrument type Form 1 - Transfer .....

Dated 07 / 06 / 2004

Names of parties Maroochydore Airport Terminal Services Pty Ltd ACN 056 572 224 TO The Shell Company of Australia Limited ACN 004 610 459 .....

3. Instrument under which consent required

Dealing Type Section 58 of the Land Act 1994.....

Dealing No. .....

Name of consenting party The State represented by Department of Natural Resources and Mines.....

4. Execution by consenting party

The party identified in item 3 consents to the registration of the instrument identified in item 2.

Witnessing officer must be aware of his/her obligations under section 161 of the Land Title Act 1994

Witnessing Officer	Execution Date	Consenting Party's Signature
.....signature	10 / 9 / 04	
NOT REQUIRED		
.....full name		Sch4p4(6) Signature
.....qualification		
(Witnessing officer must be in accordance with Schedule 1 of Land Title Act 1994 eg Legal Practitioner, JP, C Dec)		John Parnis, Senior Land Officer as Delegate of the Minister for Natural Resources and Mines.

Privacy Statement

The information from this form is collected under the authority of the Land Title Act 1994, the Land Act 1994 and the Water Act 2000 and is used for the purpose of maintaining the publicly searchable registers in the land registry and the water register.

Released by EHP under the RTI Act 2009

QUEENSLAND LAND REGISTRY
Land Title Act 1994, Land Act 1994 and Water Act 2000

GENERAL CONSENT

Form 18 Version 4

1. Lot on Plan Description	County	Parish	Title Reference
Lot 699 on CP CG3786	Canning	Maroochy	49022968

2. Instrument being consented to

Instrument type: Transfer

Dated: 07 / 06 /2004

Names of parties: Maroochydore Airport Terminal Services Pty Ltd ACN 056 572 224 Transferor

The Shell Company of Australia Limited ACN 004 610 459 Transferee

3. Instrument under which consent required

Dealing Type: Lease

Dealing No.: 700610540

Name of consenting party: Maroochy Shire Council (formerly Council of the Shire of Maroochy)

4. Execution by consenting party

The party identified in item 3 consents to the registration of the instrument identified in item 2.

Witnessing officer must be aware of his/her obligations under section 162 of the Land Title Act 1994

Witnessing Officer

Sch4p4(6) Signature

s.73

.....signature

.....full name

Reg No. 5031 .....qualification

(Witnessing officer must be in accordance with Schedule 1 of the Land Title Act 1994 eg Legal Practitioner, JP, C Dec)

Execution Date

24/ 6/ 2004

Consenting Party's Signature

MAROOCHY SHIRE COUNCIL

Sch4p4(6) Signature

DELEGATED OFFICER

Affix the proper Officer to affix such Seal

GENERAL MANAGER GOVERNANCE & BUSINESS

151004695

Privacy Statement

The information from this form is collected under the authority of the Land Title Act 1994, the Land Act 1994 and the Water Act 2000 and is used for the purpose of maintaining the publicly searchable registers in the land registry and the water register.

Released by EHP under the RTI Act 2009

Release

Search Date: 24/05/2012 10:47

Title Reference: 49022968
Date GAZETTED: 09/04/1960
PAGE: 1764

Opening Ref: SG 60-12360
Purpose: LANDING GROUND FOR AIRCRAFT
Sub-Purpose:
Local Name: MAROOCHYDORE AIRPORT
Address: SUNCOAST BLVD MAROOCHYDORE
County (R) No: R801 CANNING
File Ref: RES 10544

TRUSTEES

SUNSHINE COAST REGIONAL COUNCIL GAZETTED ON 09/04/1960
PAGE 1764

LAND DESCRIPTION

LOT 699 SURVEY PLAN 214349
County of CANNING Parish of MAROOCHY
Local Government: SUNSHINE COAST

Area: 135.500000 Ha. (SURVEYED)

EASEMENTS AND ENCUMBRANCES

1. LEASE No 602825645 (L865854Y) 29/03/1994
OF PART OF THE LAND
TO NAVAIR INTERNATIONAL FLYING COLLEGE PTY LTD
TERM: COMMENCING 01/01/1994
TERMINATING 31/12/2023
Lodged at 00:00 on 29/03/1994 Recorded at 00:00 on 29/03/1994

2. LEASE No 700610540 19/04/1995 at 11:52
OF PART OF THE LAND
TO MAROOCHYDORE AIRPORT TERMINAL SERVICES PTY LTD
TERM: COMMENCING 01/11/1994
TERMINATING 31/10/2024
Lodged at 11:52 on 19/04/1995 Recorded at 00:00 on 06/07/1995

3. TRANSFER No 708295188 15/12/2004 at 11:16
LEASE: 700610540
THE SHELL COMPANY OF AUSTRALIA LIMITED A.C.N. 004 610 459
Lodged at 11:16 on 15/12/2004 Recorded at 11:09 on 16/12/2004

4. AMENDMENT No 708295193 15/12/2004 at 11:16
LEASE: 700610540
Lodged at 11:16 on 15/12/2004 Recorded at 11:09 on 16/12/2004

Released by EHP under the RTI Act 2009

For Internal Use Only - Not to be used for External Viewing

ENVIRONMENT AND RESOURCE MANAGEMENT, QUEENSLAND

Search Date: 24/05/2012 10:47 Title Reference: 49022968
Date GAZETTED: 09/04/1960
PAGE: 1764

EASEMENTS AND ENCUMBRANCES

5. LEASE No 700637493 08/05/1995 at 13:50
OF PART OF THE LAND
TO AEROMECH PTY LTD
TERM: COMMENCING 01/07/1994
TERMINATING 30/06/2024
Lodged at 13:50 on 08/05/1995 Recorded at 00:00 on 06/07/1995

6. SUB LEASE No 701451558 22/07/1996 at 10:29
of
LEASE: 700637493
to
AEROMIL (AUSTRALIA) PTY LTD A.C.N. 001 774 045
Original term commencing
01/11/1995
Terminating
29/06/2024
so far as relates to
PART,BEING LEASE A ON PLAN 96051-1
Lodged at 10:29 on 22/07/1996 Recorded at 11:30 on 17/01/1997

7. MORTGAGE No 706007693 04/10/2002 at 11:06
CAPITAL FINANCE AUSTRALIA LIMITED A.C.N. 069 663 136
over
SUB LEASE: 701451558
Lodged at 11:06 on 04/10/2002 Recorded at 16:37 on 06/02/2003

8. MORTGAGE No 702603127 06/04/1998 at 09:35
COMMONWEALTH BANK OF AUSTRALIA A.C.N. 123 123 124
over
LEASE: 700637493
Lodged at 09:35 on 06/04/1998 Recorded at 07:43 on 03/06/1998

9. MORTGAGE No 706007687 04/10/2002 at 11:05
CAPITAL FINANCE AUSTRALIA LIMITED A.C.N. 069 663 136
over
LEASE: 700637493
Lodged at 11:05 on 04/10/2002 Recorded at 16:37 on 06/02/2003

10. LEASE No 700886542 03/10/1995 at 09:17
OF PART OF THE LAND
TO BRADBERG PTY.LTD.
TERM: COMMENCING 01/07/1995
TERMINATING 31/10/2024
Lodged at 09:17 on 03/10/1995 Recorded at 00:00 on 17/01/1996

11. TRUSTEE LEASE No 702027470 11/06/1997 at 16:04
TOFTO PTY LTD A.C.N. 006 087 510
OVER PART OF THE LAND
Lodged at 16:04 on 11/06/1997 Recorded at 12:03 on 31/10/1997

Released by EHP under the RTI Act 2009

For Internal Use Only - Not to be used for External Viewing

Release

Search Date: 24/05/2012 10:47 Title Reference: 49022968
Date GAZETTED: 09/04/1960
PAGE: 1764

EASEMENTS AND ENCUMBRANCES

12. TRUSTEE LEASE No 702441218 09/01/1998 at 10:49
to
BRADLEY GEORGE WELCH
OVER PART OF THE LAND
Lodged at 10:49 on 09/01/1998 Recorded at 12:45 on 15/01/1998

13. TRANSFER No 707622808 06/04/2004 at 12:33
TRUSTEE LEASE: 702441218
MICHAEL D'OTT BECKER
JAN MAREE BECKER JOINT TENANTS
Lodged at 12:33 on 06/04/2004 Recorded at 09:44 on 30/04/2004

14. MORTGAGE No 712222479 16/02/2009 at 11:30
WESTPAC BANKING CORPORATION A.B.N. 33 007 457 141
over
TRUSTEE LEASE: 702441218
Lodged at 11:30 on 16/02/2009 Recorded at 08:27 on 19/02/2009

15. TRUSTEE LEASE No 702553628 11/03/1998 at 12:02
AAQ INVESTMENTS PTY LTD A.C.N. 070 955 261 TRUSTEE
UNDER DOCUMENT 702553628
OF PART OF THE LAND AS SHOWN IN SKETCH
Lodged at 12:02 on 11/03/1998 Recorded at 12:21 on 21/08/2000

16. TRUSTEE LEASE No 703115230 14/01/1999 at 15:41
PETER JOSEPH EARL FOGARTY
OF PART OF THE LAND AS SHOWN IN SKETCH
Lodged at 15:41 on 14/01/1999 Recorded at 14:28 on 08/06/1999

17. TRANSFER No 712222477 16/02/2009 at 11:29
TRUSTEE LEASE: 703115230
NX-01 PTY LTD A.C.N. 010 457 952 TRUSTEE
UNDER INSTRUMENT 712222477
Lodged at 11:29 on 16/02/2009 Recorded at 08:27 on 19/02/2009

18. MORTGAGE No 712222478 16/02/2009 at 11:30
WESTPAC BANKING CORPORATION A.B.N. 33 007 457 141
over
TRUSTEE LEASE: 703115230
Lodged at 11:30 on 16/02/2009 Recorded at 08:27 on 19/02/2009

19. AMENDMENT OF LEASE No 712255924 04/03/2009 at 11:00
TRUSTEE LEASE: 703115230
TERM: 01/09/1996 TO 31/08/2026 OPTION NIL
Lodged at 11:00 on 04/03/2009 Recorded at 10:00 on 05/03/2009

20. TRUSTEE LEASE No 703610507 04/10/1999 at 14:24
KATHLEEN MARY CURRIE
OF PART OF THE LAND
Lodged at 14:24 on 04/10/1999 Recorded at 11:03 on 07/10/1999

Released by EHP under the RTI Act 2009

For Internal Use Only - Not to be used for External Viewing

Release

Search Date: 24/05/2012 10:47

Title Reference: 49022968
Date GAZETTED: 09/04/1960
PAGE: 1764

EASEMENTS AND ENCUMBRANCES

21. TRUSTEE LEASE No 703610519 04/10/1999 at 14:27
TREVOR THOMAS STEEL
OF PART OF THE LAND
Lodged at 14:27 on 04/10/1999 Recorded at 11:03 on 07/10/1999

22. TRUSTEE LEASE No 703610537 04/10/1999 at 14:30
STABILO PTY LTD A.C.N. 072 452 307
OF PART OF THE LAND AS SHOWN IN SKETCH
Lodged at 14:30 on 04/10/1999 Recorded at 14:27 on 29/10/1999

23. MORTGAGE No 703795121 05/01/2000 at 11:47
WESTPAC BANKING CORPORATION A.R.B.N. 007 457 141
over
TRUSTEE LEASE: 703610537
Lodged at 11:47 on 05/01/2000 Recorded at 10:58 on 09/02/2000

24. TRUSTEE LEASE No 704373071 18/10/2000 at 13:10
SUNSHINE COAST HELICOPTER RESCUE SERVICE LTD A.C.N. 010 104 560
OF PART OF THE LAND AS SHOWN IN SKETCH
Lodged at 13:10 on 18/10/2000 Recorded at 16:45 on 10/11/2000

25. MORTGAGE No 711764327 30/06/2008 at 16:14
WESTPAC BANKING CORPORATION A.B.N. 33 007 457 141
over
TRUSTEE LEASE: 704373071
Lodged at 16:14 on 30/06/2008 Recorded at 14:42 on 08/07/2008

26. TRUSTEE LEASE No 706578794 07/05/2003 at 10:55
STABILO PTY LTD A.C.N. 072 452 307
OF PART OF THE LAND (LEASE J)
Lodged at 10:55 on 07/05/2003 Recorded at 18:47 on 09/05/2003

27. TRUSTEE LEASE No 707659861 21/04/2004 at 14:10
SUNCOAST FLYING SERVICES PTY LTD A.C.N. 052 206 112
OVER PART OF THE LAND
Lodged at 14:10 on 21/04/2004 Recorded at 15:52 on 04/05/2004

28. TRANSFER No 708945392 02/09/2005 at 10:16
TRUSTEE LEASE: 707659861
THE SHELL COMPANY OF AUSTRALIA LIMITED A.C.N. 004 610 459
Lodged at 10:16 on 02/09/2005 Recorded at 15:22 on 08/09/2005

29. AMENDMENT No 708945397 02/09/2005 at 10:17
TRUSTEE LEASE: 707659861
Lodged at 10:17 on 02/09/2005 Recorded at 15:22 on 08/09/2005

30. TRUSTEE LEASE No 707659871 21/04/2004 at 14:11
AERO DYNAMIC FLIGHT ACADEMY PTY LTD A.C.N. 100 800 913
OVER PART OF THE LAND
Lodged at 14:11 on 21/04/2004 Recorded at 15:52 on 04/05/2004

Released by EHP under the RTI Act 2009

For Internal Use Only - Not to be used for External Viewing

Release

Search Date: 24/05/2012 10:47

Title Reference: 49022968
Date GAZETTED: 09/04/1960
PAGE: 1764

EASEMENTS AND ENCUMBRANCES

31. TRANSFER No 707783998 07/06/2004 at 14:34
TRUSTEE LEASE: 707659871
CHARBAY PTY LTD A.C.N. 106 060 217 TRUSTEE
UNDER INSTRUMENT 707783998
Lodged at 14:34 on 07/06/2004 Recorded at 09:27 on 11/06/2004

32. TRUSTEE LEASE No 709932180 13/09/2006 at 11:03
ADVANCED FLIGHT THEORY PTY LTD A.C.N. 061 870 166
OVER LEASES AB AND AC ON SP169827
TERM: 01/02/1997 TO 31/01/2027 OPTION NIL
Lodged at 11:03 on 13/09/2006 Recorded at 10:56 on 15/09/2006

33. PAR/SURRENDER No 712270627 11/03/2009 at 09:34
TRUSTEE LEASE: 709932180
SO FAR AS RELATES TO LEASE AC ON SP169827
EXCLUSIVE OF LEASE AN ON SP217358
Lodged at 09:34 on 11/03/2009 Recorded at 15:49 on 31/03/2009

34. TRUSTEE LEASE No 709999546 09/10/2006 at 10:00
SUNSHINE COAST HELICOPTER RESCUE SERVICE LTD A.C.N. 010 104 560
OVER PART OF THE LAND
TERM: 01/07/2004 TO 30/06/2024 OPTION NIL
Lodged at 10:00 on 09/10/2006 Recorded at 10:28 on 23/10/2006

35. TRANSFER No 711653455 16/05/2008 at 14:05
TRUSTEE LEASE: 709999546
AEROMIL (AUSTRALIA) PTY LTD A.C.N. 001 774 045
Lodged at 14:05 on 16/05/2008 Recorded at 09:00 on 21/05/2008

36. AMENDMENT OF LEASE No 711653462 16/05/2008 at 14:06
TRUSTEE LEASE: 709999546
TERM: 01/07/2004 TO 30/06/2024 OPTION NIL
Lodged at 14:06 on 16/05/2008 Recorded at 09:00 on 21/05/2008

37. TRUSTEE LEASE No 710464317 30/03/2007 at 10:53
KENNEY AIKIN AIRCRAFT INSURANCE BROKERS PTY LTD A.C.N. 088 946 641
OF LEASE P ON SP176252
TERM: 01/12/2004 TO 30/11/2019 OPTION NIL
Lodged at 10:53 on 30/03/2007 Recorded at 14:48 on 04/04/2007

38. TRUSTEE LEASE No 710464323 30/03/2007 at 10:53
W.T.H. PTY LTD A.C.N. 000 165 855
OF LEASES R AND Y ON SP176252
TERM: 01/01/2006 TO 31/12/2020 OPTION NIL
Lodged at 10:53 on 30/03/2007 Recorded at 14:48 on 04/04/2007

Released by EHP under the RTI Act 2009

For Internal Use Only - Not to be used for External Viewing

Release

Search Date: 24/05/2012 10:47 Title Reference: 49022968
Date GAZETTED: 09/04/1960
PAGE: 1764

EASEMENTS AND ENCUMBRANCES

39. TRUSTEE LEASE No 710522544 23/04/2007 at 10:27
WHEELTON INVESTMENTS PTY LTD A.C.N. 006 549 177
LEASE V ON SP176252
TERM: 01/03/2006 TO 28/02/2021 OPTION NIL
Lodged at 10:27 on 23/04/2007 Recorded at 13:37 on 24/04/2007

40. TRUSTEE LEASE No 711600800 23/04/2008 at 14:43
CLA TRADING PTY LTD A.C.N. 082 220 399
OF LEASE W ON SP176252
TERM: 01/07/2006 TO 30/06/2016 OPTION NIL
Lodged at 14:43 on 23/04/2008 Recorded at 11:39 on 28/04/2008

41. TRUSTEE LEASE No 712302147 25/03/2009 at 14:42
AIRSERVICES AUSTRALIA
OF LEASE DA ON SP217356
TERM: 01/01/2009 TO 31/12/2033 OPTION NIL
Lodged at 14:42 on 25/03/2009 Recorded at 11:52 on 26/03/2009

42. TRUSTEE LEASE No 712670256 18/08/2009 at 15:48
CLA TRADING PTY LTD A.C.N. 082 220 399
OF PART OF THE GROUND FLOOR (LEASE TC)
TERM: 01/12/2008 TO 30/11/2013 OPTION NIL
Lodged at 15:48 on 18/08/2009 Recorded at 10:55 on 12/10/2009

43. TRUSTEE LEASE No 712670271 18/08/2009 at 15:50
W T H PTY LTD A.C.N. 000 165 855
OF PART OF THE GROUND FLOOR (LEASE TG)
TERM: 01/12/2008 TO 30/11/2013 OPTION NIL
Lodged at 15:50 on 18/08/2009 Recorded at 10:55 on 12/10/2009

44. TRUSTEE LEASE No 712795624 15/10/2009 at 10:12
BUDGET RENT A CAR AUSTRALIA PTY LTD A.C.N. 007 348 021
OF PART OF THE GROUND FLOOR (LEASE TD)
TERM: 01/12/2008 TO 30/11/2013 OPTION NIL
Lodged at 10:12 on 15/10/2009 Recorded at 11:02 on 15/10/2009

45. TRUSTEE LEASE No 712906073 02/12/2009 at 14:58
SKYDIVING SERVICES PTY LTD A.C.N. 120 336 209
OF LEASE UB ON SP217358
TERM: 01/07/2007 TO 30/06/2035 OPTION NIL
Lodged at 14:58 on 02/12/2009 Recorded at 11:53 on 03/12/2009

46. TRUSTEE LEASE No 712930900 11/12/2009 at 15:36
HERTZ AUSTRALIA PTY LTD A.C.N. 004 407 087
OF PART OF THE GROUND FLOOR (LEASE TF)
TERM: 01/12/2008 TO 30/11/2013 OPTION NIL
Lodged at 15:36 on 11/12/2009 Recorded at 13:17 on 15/12/2009

Released by EHP under the RTI Act 2009

For Internal Use Only - Not to be used for External Viewing

ENVIRONMENT AND RESOURCE MANAGEMENT, QUEENSLAND

Search Date: 24/05/2012 10:47 Title Reference: 49022968
Date GAZETTED: 09/04/1960
PAGE: 1764

EASEMENTS AND ENCUMBRANCES

47. TRUSTEE LEASE No 712960760 24/12/2009 at 09:12
CROWN CASTLE AUSTRALIA PTY LTD A.C.N. 090 873 019
OF LEASE AM ON SP217358
TERM: 01/04/2005 TO 31/12/2013 OPTION NIL
Lodged at 09:12 on 24/12/2009 Recorded at 16:12 on 20/01/2010

48. TRUSTEE LEASE No 713016661 25/01/2010 at 14:58
MADINITALY PTY LTD A.C.N. 102 257 803
OF PART OF THE GROUND FLOOR (LEASE TB)
TERM: 15/04/2009 TO 14/04/2016 OPTION NIL
Lodged at 14:58 on 25/01/2010 Recorded at 10:19 on 29/01/2010

49. TRUSTEE LEASE No 713016667 25/01/2010 at 14:59
KINGMILL PTY LTD A.C.N. 003 966 649
OF PART OF THE GROUND FLOOR (LEASE TE)
TERM: 01/12/2008 TO 30/11/2013 OPTION NIL
Lodged at 14:59 on 25/01/2010 Recorded at 10:19 on 29/01/2010

50. TRUSTEE LEASE No 713405273 12/08/2010 at 15:57
LOADED ACES PTY LTD A.C.N. 124 534 461
OF PART OF THE GROUND FLOOR (LEASE TQ)
TERM: 01/12/2009 TO 30/11/2014 OPTION NIL
Lodged at 15:57 on 12/08/2010 Recorded at 11:59 on 13/08/2010

51. TRUSTEE LEASE No 713405281 12/08/2010 at 15:58
VALDOCK PTY LTD A.C.N. 010 323 332
OF PART OF THE GROUND FLOOR (LEASE TH)
TERM: 01/11/2009 TO 31/10/2012 OPTION NIL
Lodged at 15:58 on 12/08/2010 Recorded at 11:59 on 13/08/2010

52. TRUSTEE LEASE No 713405296 12/08/2010 at 15:59
RC AIRPORTS PTY LTD A.C.N. 127 077 025
OF PART OF THE GROUND FLOOR (LEASE TR & LEASE TS)
TERM: 01/11/2009 TO 30/10/2016 OPTION NIL
Lodged at 15:59 on 12/08/2010 Recorded at 11:59 on 13/08/2010

53. TRUSTEE LEASE No 713573346 16/11/2010 at 15:05
PHILLIP LINCOLN JAMES ELLIOTT
OF PART OF THE GROUND FLOOR (LEASE TL)
TERM: 01/11/2009 TO 31/10/2012 OPTION NIL
Lodged at 15:05 on 16/11/2010 Recorded at 12:23 on 17/11/2010

54. TRUSTEE LEASE No 713827235 28/04/2011 at 13:27
MACHJET PTY LTD A.C.N. 122 815 025 TRUSTEE
UNDER INSTRUMENT 713827235
OF LEASES CF AND GF ON SP232760
TERM: 01/09/2010 TO 31/08/2030 OPTION NIL
Lodged at 13:27 on 28/04/2011 Recorded at 16:05 on 03/05/2011

Released by EHP under the RTI Act 2009

For Internal Use Only - Not to be used for External Viewing

ENVIRONMENT AND RESOURCE MANAGEMENT, QUEENSLAND

Search Date: 24/05/2012 10:47 Title Reference: 49022968
Date GAZETTED: 09/04/1960
PAGE: 1764

EASEMENTS AND ENCUMBRANCES

55. TRUSTEE LEASE No 714002397 09/08/2011 at 15:25
AUSTRALIAN WAY PTY LTD A.C.N. 006 704 570
OF PART OF THE GROUND FLOOR (LEASE TN)
TERM: 01/10/2009 TO 31/07/2016 OPTION NIL
Lodged at 15:25 on 09/08/2011 Recorded at 13:37 on 10/08/2011

56. TRUSTEE LEASE No 714122139 20/10/2011 at 15:00
LEAMANS PTY LTD A.C.N. 108 135 879 TRUSTEE
UNDER INSTRUMENT 714122139
OF PART OF THE GROUND FLOOR (LEASES TU, TV, TW AND TX)
TERM: 01/04/2009 TO 31/03/2016 OPTION NIL
Lodged at 15:00 on 20/10/2011 Recorded at 09:15 on 21/10/2011

57. TRUSTEE LEASE No 714195199 02/12/2011 at 14:26
RALPH JAMES STOREY
SUSAN JOY STOREY JOINT TENANTS
OF PART OF THE GROUND FLOOR (LEASE TI)
TERM: 01/08/2011 TO 31/10/2012 OPTION NIL
Lodged at 14:26 on 02/12/2011 Recorded at 12:21 on 06/12/2011

58. TRUSTEE LEASE No 714195220 02/12/2011 at 14:29
SUNSHINE COAST AERO CLUB LTD A.C.N. 009 928 581
OF LEASE CE AND GE ON SP217358
TERM: 01/07/2010 TO 30/06/2015 OPTION NIL
Lodged at 14:29 on 02/12/2011 Recorded at 12:21 on 06/12/2011

ADMINISTRATIVE ADVICES - NIL
UNREGISTERED DEALINGS - NIL

CERTIFICATE OF TITLE ISSUED - No

Corrections have occurred - Refer to Historical Search

Caution - Charges do not necessarily appear in order of priority

** End of Current Reserve Search **

Released by EHP under the RTI Act 2009

Officers Review to List Land on the Register

Requesting Officer: s.73
Sign: Sch4p4(6) Signature
Date: 30/04/12

Details:	Check List:
Notification Received entered in Reporting Spreadsheet	☐ Yes – What is the EMR ID No:_____ ☐ No
Is the land listed on the EMR/CLR	☑ Yes EMR ID 39867 ON EMR FOR N.A 29 - Petroleum product/oil storage ☐ No PLSE LIST FOR HAZ CONTAM. nb. 'U Notice' required as not owner notified

Notifiable Activities Identified.

Does the application ***meet*** the requirements to list land on the register under Sch3 of the EPAct.

Note: Schedule 4, dictionary, definition *notifiable activity*

Or

Does the application meet the requirements to list land on the register for Hazardous Contaminant.

hazardous contaminant means a contaminant, other than an item of explosive ordnance, that, if improperly treated, stored, disposed of or otherwise managed, is likely to cause serious or material environmental harm because of—
(a) its quantity, concentration, acute or chronic toxic effects, carcinogenicity, teratogenicity, mutagenicity, corrosiveness, explosiveness, radioactivity or flammability; or
(b) its physical, chemical or infectious characteristics.

Comments for listing on the Register:

Eg. Hazardous Contaminant identified was lead at 350mg/kg

Or

Notifiable Activity meets the requirements under Sch3 of the EPAct. Fuel tanks on site was 5,000L UST etc.

Elevated levels of TPH and BTEX in groundwater as per 'Comprehensive Groundwater Monitoring Report, prepared by ERM, dated July 2011'

Please tick applicable Notifiable Activities trigger that applies

- ☐ Abrasive blasting
- ☐ Aerial spraying
- ☐ Asbestos manufacture or disposal
- ☐ Asphalt or bitumen manufacture
- ☐ Battery manufacture or recycling
- ☐ Chemical manufacture or formulation
- ☐ Chemical storage
- ☐ Coal fired power station
- ☐ Coal gas works
- ☐ Drum reconditioning or recycling
- ☐ Dry cleaning
- ☐ Electrical transformers
- ☐ Engine reconditioning works
- ☐ Explosives production or storage
- ☐ Fertiliser manufacture
- ☐ Foundry operations
- ☐ Gun, pistol or rifle range
- ☐ Herbicide or pesticide manufacture
- ☐ Landfill
- ☐ Lime burner
- ☐ Livestock dip or spray race operations
- ☐ Metal treatment or coating
- ☐ Mine wastes
- ☐ Mineral processing
- ☐ Paint manufacture or formulation
- ☐ Pest control
- ☐ Petroleum or petrochemical industries
- ☐ Petroleum product or oil storage
- ☐ Pharmaceutical manufacture
- ☐ Printing
- ☐ Railway yards
- ☐ Scrap yards
- ☐ Service stations
- ☐ Smelting or refining
- ☐ Tannery, fellmongery or hide curing
- ☐ Waste storage, treatment or disposal
- ☐ Wood treatment and preservation
- ☑ Hazardous Contaminant

CLM File Reg # BNE32073

Released by EHP under the RTI Act 2009

Release

Department of Environment and Resource Management

Form

Contaminated land

CONTAMINATED LAND SECTION
20 DEC 2011

Notification of land

This form should be used by people providing notification to the administering authority of contaminated land or land use for a notifiable activity in accordance with schedule 3 of the Environmental Protection Act 1994. This form relates specifically to sections 371 and 372 of the Environmental Protection Act 1994.

NOTE: You must complete all questions below and use a separate form for each lot.

Released by EHP under the RTI Act 2009

1. Person making notification

NAME	TELEPHONE
s.73	s.73
COMPANY/ORGANISATION: The Shell Company of Australia Limited	
POSTAL ADDRESS: 385 Eagle Farm Road, Pinkenba, QLD 4008, Australia PO Box 1456, Brisbane, QLD, 4001, Australia	
EMAIL: s.73	FACSIMILE: 07 3364 5185

2. Site details

2.1. Name by which the property is known locally?

Maroochydore Airport

2.2. Please provide details of the Lot on Plan to which the notification applies

Please note that a separate notification form must be used for each Lot on Plan.

FULL STREET ADDRESS OF THE SITE	
Friendship Avenue, Marrochydore Aiport, QLD 4558	
LOT(S) 699	PLAN(S) CG3786
LOCAL GOVERNMENT AUTHORITY: Sunshine Coast Regional Council/DERM	

2.3. Area of land parcel in square metres? NA m^2

Department of Environment and Resource Management
www.derm.qld.gov.au ABN 46 640 294 485

Queensland Government

2.4. Describe the notifiable activity/ies for which the land is or has been used and the source/s of the suspected contamination. List all notifiable activities that the land has been used for and provide details.

If you require additional space attach the information on a separate sheet and make reference to that sheet here.

Concentrations of BTEX compounds and TPH in groundwater above screening levels. Please see ERM's "Comprehensive Groundwater Monitoring Report" dated July 2011

2.5. Has a map or locality plan been attached to this notification?

The processing of this information is greatly assisted by the inclusion of a map or locality plan that shows the respective Lot.

☐ NO ☒ YES

3. Details of land owner

NAME Sunshine Coast Council c/o s.73 Operations Manager	TELEPHONE s.73
POSTAL ADDRESS Frienship Ave., Marcool QLD 4564 Locked Bag 72 SCMC QLD 4560	
EMAIL s.73	FACSIMILE 07 545 1511

4. Declaration

Please read the certification below before signing.

- I understand that all information supplied on or with this application form may be disclosed publicly in accordance with the *Right to Information Act 2009* and the *Evidence Act 1977*.

NOTIFYING PERSON'S SIGNATURE Sch4p4(6) Signature	DATE 14.12.11

You may apply for exemption from disclosing information contained in a document submitted, or proposed to be submitted with this notification (see section 564 of the *Environmental Protection Act 1994*)

5. Applicant checklist

☒ Notifying person's details correct.

☒ Notification form completed and signed.

☒ Supporting information attached.

Please return the completed notification to:

Contaminated Land Unit
Department of Environment and Resource Management
Level 8, 400 George Street
GPO Box 2454
Brisbane Queensland 4001

Enquiries: s.73
Facsimile: (07) 3330 5754

Released by EHP under the RTI Act 2009

Queensland Government

Enquiries to:
Telephone:
Our reference: BNE32073. Project Ref. 360259 Permit No. CLEB01537411

Department of
Environment and Resource Management

Permit to Remove and Dispose of Contaminated Soil

Pursuant to Section 424 of the *Environment Protection Act* 1994 (EP Act) permission is given to the applicant;

Environmental Resources Management Pty Ltd
PO Box 1400
SPRING HILL QLD 4004
Attn: s.73

to remove and dispose of soil contaminated with TPH from Friendship Avenue, Maroochydore (Lot 699 on CG3786) and described in the following correspondence:

Application for Contaminated Soil Disposal Permit dated 22 February 2011 and received 23 February 2011. The permit holder is responsible for ensuring that all personnel involved in the excavation, removal and disposal comply with the specific and standard conditions in Schedules 1 and 2 of this permit.

Sch4p4(6) Signature

s.73
Principal Environmental Officer
Contaminated Land Unit

2/3/2011

Cc: DERM (Sunshine Coast) attn: s.73
Cc: ERM Australia Pty Ltd, attn: s.73
Cc: Sunshine Coast Regional Council, attn: s.73

Notice to Applicant
The conditions on this permit have been decided after consideration of the standard criteria (EP Act) and for the purpose of preventing environmental harm. The applicant may apply for a review or appeal against the decision within 10 business days of receipt of this notice (s521 and s531).

PDF Copies sent via e-mail on 2/3/11.
Ecotrack amended.
Please amend ERL for Lot 699 on CG3786

Sch4p4(6) Signature

2/3/11

400 George Street
GPO Box 2454
BRISBANE QLD 4001
Telephone s.73
Website www.derm.qld.gov.au
ABN 46 640 294 485

Released by EHP under the RTI Act 2009

Schedule 1 of 2 – Specific Conditions

The volume or mass of the contaminated soil shall not exceed 16 cubic metres.

16 cubic metres of contaminated soil is to be disposed to landfill in accordance with the disposal facility correspondence dated 22 February 2011 to the Nambour Landfill Cooney Road Maroochydore.

The soil must be removed for treatment between 2 March 2011 and 2 September 2011.

Released by EHP under the RTI Act 2009

Schedule 2 of 2 – Standard Conditions

1. Volume / mass of contaminated soil
This permit applies to the specified volume or mass only. Any increases to the specified quantity will require a new disposal permit.

2. Disposal time period
Disposal must occur within the dates specified or a new disposal permit must be sought.

3. Excavation and loading
The holder of this disposal permit must take all reasonable precautions necessary to prevent the spillage of contaminated soil during loading and prevent contaminated soil being transported from the site of origin on vehicle tyres and plant and equipment.

4. Transportation
(a) Transporter to be advised of permit conditions
Prior to the removal of contaminated soil, the permit holder must provide a copy of the permit and conditions to the transporter.

(b) Load to be secured
The contaminated soil must be covered in the transportation vehicle to ensure that the contaminated soil or offensive or noxious gases are not released during transport.

(c) Cleaning of vehicles and plant equipment
An effective system must be employed for cleaning of vehicles and plant and equipment which are used to transport or handle contaminated soil which prevents release of contaminants onto any roadway or to any waters or stormwater drainage system.

(d) Spillage
Any spillage of contaminants must be cleaned up as quickly as practicable. Spillages must not be cleaned up by hosing, sweeping or otherwise releasing such contaminants or material to any stormwater drainage system, roadside gutter or waters.

5. Receival and disposal
(a) Licence conditions
The acceptance and disposal of the contaminated soil must comply with the licence conditions and the specific requirements of the disposal facility.

(b) Disposal receipts
Copies of disposal acceptance receipts are to be submitted to the Administering Authority within 10 business days of the date of disposal. The holder of, or person acting under a disposal permit, must comply with the conditions of the permit (s425 of the *Environmental Protection Act 1994*). Maximum penalty - 100 penalty units.

Released by EHP under the RTI Act 2009

6. Interim storage

Contaminated soil which is temporarily stored at the site of origin or approved for storage at a separate property must be stockpiled and securely covered and/or managed to ensure that:

(a) rainwater is drained away from the stockpiles;
(b) contaminated soil is not transported from the stockpile by wind or rainwater;
(c) offensive odours or noxious gases are not release; and
(d) soil underlying the stockpiles is not affected by contamination.

A report is to be provided to the Administering Authority within 28 days of final disposal that verifies that the storage area is fully cleared of contamination.

7. Treatment of soil

(a) Licensed facility

When treatment is to be undertaken at a licensed general waste disposal facility or regulated waste treatment and disposal facility, acceptance receipts must be provided to the Administering Authority within 10 days of contaminated soil delivery. The contamination level in the soil must be reduced to a level agreed by the Administering Authority. When contaminated soil is stored at such facility pending treatment, storage is to be undertaken according to condition 6.

(b) Other treatment sites

(i) Soil remediation and validation report.

The permit holder must provide a report of the soil remediation including chemical test results that validate that the contamination has been lowered to levels agreed with the Administering Authority. The report must provide evidence that the land underlying the treatment activity is not affected by contamination.

(ii) Environmental harm.

Treatment activities must be carried out to ensure that environmental harm is not caused and that contaminants including treatment agents are not released from the site by wind, stormwater or as offensive or noxious gases. The requirements of condition 6 also apply.

(c) Final disposal

When soil contamination has been reduced to levels acceptable to the Administering Authority, the soil may be disposed of as general fill unless otherwise specified in Schedule 1. The location of the final disposal site of the soil is to be identified after treatment by written advice to the Administering Authority.

End of Document

Released by EHP under the RTI Act 2009

☐ For Regional Information & Filing ☑ Regional Action Required

Admin. Office: Contaminated Land Unit, Southern Region	✓Project No: 360259
Client No: 647854 EMR/CLR ID No. 391867	Permit No. CLEB 01537411

App. 455573 (16m3)

Ecoaccess Customer Service Unit *CROW No* 54969

Application for Disposal Permit (Contaminated Land) Checklist

☑ Part A and Part B application forms supplied and complete.
☑ Forms signed and dated
☑ All parts of the forms completed
☑ Letter of acceptance from Landfill etc
☐ TPR approval received (if one is appointed for the site (Contaminated Land Unit to action).

BNE 32073

Applicant Name: Environmental Resources Management Australia P/L

Contact Name: s.73

Location: 699/C63786 Shell Maroochydore Aviation Facility.

Third Party Reviewer: N/A
(If applicable)

Co-ordinator: s.73 .....

Date Received: 23/02/11

Sch4p4(6) Signature

Due Date
(10 business days after application deemed valid): 9/3/2011

Date Application Deemed Valid: 23/02/11.

Due Date (TPR)
(5 business days after application deemed valid) ___/___/___

Released by EHP under the RTI Act 2009

Record of consultation Applicant name: .....

Date	Person Contacted:	s.73	Phone No:	s.73
24/02/11	Information Requested: Acceptance by landfill site in the form of an email, is this format still un-acceptable?			
24/02/11.	Response: Yes this is suitable. Application valid.			
	Ecoaccess CSU Staff:	Sch4p4(6) Signature		

Date	Person Contacted:		Phone No:	
	Information Requested:			
	Response:			
	Ecoaccess CSU Staff:			

Date	Person Contacted:		Phone No:	
	Information Requested:			
	Response:			
	Ecoaccess CSU Staff:			

Date	Person Contacted:		Phone No:	
	Information Requested:			
	Response:			
	Ecoaccess CSU Staff:			

Released by EHP under the RTI Act 2009

ecoaccess
environmental licences and permits

Bring Up Details Report

360259 - Movement, Treatment Or Disposal Of Contaminated Soil/Shell Maroochydore Aviation Facility/Environmental Resources Management Australia Pty Ltd

Ref:	71577	**Created Date:**	28-FEB-11
Status:	Submitted	**Closed Date:**	
Assigned To:	s.73	**Due Date:**	03-MAR-11
Email Address:	s.73	**Reminder Date:**	
Project Director:			
Project Manager:			
CC:			
CC:			
Subject:	Disposal Permit-App No:455573		

Comments:

Disposal Permit

Project Number: 360259
Permit Number: CLEB01537411
TPR
Client: Environmental Resources Management Australia P/L
Lot on Plan: Lot 699 on CG3786
Location: Shell Maroochydore Aviation Facility, Friendship Ave, Maroochydore
Report Title:
Application Date: 23/2/2011

Dear s.73

A Disposal Permit application has been received and entered into Ecotrack

The application will be forwarded to Contaminated Land Unit on the 28/02/11.

Regards,

s.73

Released by EHP under the RTI Act 2009

Queensland Government
Environmental Protection Agency
Queensland Parks and Wildlife Service

Project Running Report

Project Ref	Project Name	Status	Project Director	Project Manager	Office Responsible
360259	Movement, Treatment Or Disposal Of Contaminated Soil/Shell Maroochydore Aviation Facility/Environmental Resources Management Australia Pty Ltd	Active	s.73	NOT, Allocated	ES - TO - Contaminated Land - Southern - Bne

Assessing Officers

Name

Applications: 1

Date	Status	Decision
23-FEB-2011	Assessment	Level 2

Primary Clients

Name	Address Line 1	Address Line 2	Suburb	Postcode	State
Environmental Resources Management Australia Pty Ltd	Lvl 1, 60 Leichhardt Street		SPRING HILL	4004	QLD

Activities

Name
Movement, Treatment Or Disposal Of Contaminated Soil

Locations

Name	Address Line 1	Address Line 2	Suburb	Postcode	State
Shell Maroochydore Aviation Facility					

Agency Interests/Ratings

Category	Type	Rating

Permits: 1

Permit Ref	Permit Type	Status
CLEB01537411	Contaminated Soil Disposal Permit	Assessment

Released by EHP under the RTI Act 2009

1/3/2011 Sch4p4(6) Signature

Monday February 28 2011 9:47 AM
Report Ref: CE_RP_PROJ_RUNNING.rdf
User Ref: s.73

FOR INTERNAL USE ONLY

DEPARTMENT OF ENVIRONMENT AND RESOURCE MANAGEMENT

SEARCH RESPONSE

ENVIRONMENTAL MANAGEMENT REGISTER (EMR)
CONTAMINATED LAND REGISTER (CLR)

Released by DEHP under the RTI Act 2009

Transaction ID: 1292966 EMR Site Id: 39867 24 February 2011

This response relates to a search request received for the site:

Lot: 699 Plan: CG3786

EMR RESULT

The above site IS included on the Environmental Management Register.

Lot: 699 Plan: CG3786
Address: FRIENDSHIP AVENUE
MARCOOLA 4564

The site has been subject to the following Notifiable Activity pursuant to section 374 of the *Environmental Protection Act 1994.*

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.

CLR RESULT

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

ADDITIONAL ADVICE

EMR/CLR Searches may be conducted online through www.smartservice.qld.gov.au or Citec Confirm www.confirm.com.au.

If you have any queries in relation to this search please phone s.73

Releas

s.73

Registrar, Contaminated Land Unit

To execute a new search, select the "Back" button on the browser twice

Released by EHP under the RTI Act 2009

Department of Environment and Resource Management

RECEIVED
23 FEB 2011
Pat M

Application Form

Part A

General details for all applications

OFFICIAL USE ONLY

DATE RECEIVED

FILE REF

PROJECT REF

COMPLETE FORM ☐

ENTERED BY [SIGNATURE]

DATE

RECEIPTING DETAILS ONLY

DATE RECEIPTED

RECEIPT NUMBER

AMOUNT RECEIVED

$

PROCESSED BY (INITIALS AND NAME)

GUIDE

1. The applicant is the person intending to carry out the activity and in whose name the relevant permits or licences are to be issued.

   The registered address is legally required for the serving of notices. It is the address of a person and cannot be a post office box.

   If more than one applicant as part of a partnership, complete the "Joint applicant details" form and attach to this PART A form.

Important information for applicants

This form asks for general applicant details and a description of the proposed project and any associated activities. The completed form must be submitted together with relevant activity specific [Part B] forms.

Specific details must accompany this form to enable your application to be processed. The guide provided will help you complete your application correctly. If you have any difficulties completing the form, contact Permit and Licence Management on 1300 130 372. Please number all attachments alphabetically (e.g. 'Attachment A').

(Commercial and confidential information must be marked clearly. If subsequent activities are added to the project, you will be required to resubmit this application with details of the additional activity).

Tick relevant boxes below if the applicant(s) are:

- ☐ an individual or sole trader
- ☐ individuals in a partnership
- ☐ individual(s) acting on behalf of an unincorporated organisation

→ **Go to Section 1**

- ☒ an incorporated company
- ☐ an incorporated association
- ☐ a statutory authority
- ☐ a body politic

→ **Go to Section 2**

1. Individual applicant(s) details(1)

APPLICANT'S FULL NAME	TITLE	DATE OF BIRTH

REGISTERED ADDRESS	POST CODE

TELEPHONE	FACSIMILE	E-MAIL

POSTAL ADDRESS (WRITE "AS ABOVE" IF THE SAME AS REGISTERED ADDRESS)	POST CODE

Released by EHP under the RTI Act 2009

Department of Environment and Resource Management
www.derm.qld.gov.au ABN 46 640 294 485

Queensland Government

Department of Environment and Resource Management

Application form – Part A
General details for all applications

Guardian details (if applicable)

A parent or legal guardian must complete the following details if an applicant is under 18 years of age.

GUARDIAN'S FULL NAME	DATE OF BIRTH

GUARDIAN'S REGISTERED ADDRESS	POST CODE

GUARDIAN'S SIGNATURE	DATE

→ **Go to Section 3**

2. Applicant details

2. The applicant is the registered legal entity (not a business trading name) intending to carry out the activity and in whose name the relevant permits or licences are to be issued.

REGISTERED LEGAL ENTITY NAME
Environmental Resources Management Australia Pty Ltd

TRADING NAME (IF APPLICABLE)

The registered address is legally required for the serving of notices. It is the registered business address of the company making the application and cannot be a post office box.

REGISTERED ADDRESS	POST CODE
Lvl 1, 60 Leichhardt Street Spring Hill, Queensland	4000

TELEPHONE	FASCIMILE	E-MAIL/WEBSITE
s.73	3893 8381	www.erm.com

POSTAL ADDRESS (WRITE "AS ABOVE" IF THE SAME AS REGISTERED ADDRESS)	POST CODE
PO Box 1400 Spring Hill, QLD	4004

Enter the Australian Business Number (ABN); or the Australian Company Number (ACN) of the incorporated company; or the Association Number (AN) of the incorporated association; or the title and section of the legislation that gives the statutory corporation its legal status.

ABN/ACN/AN OR TITLE AND SECTION OF LEGISLATION
ABN: 12002773248
ACN: 002773248

Released by EHP under the RTI Act 2009

Department of Environment and Resource Management

Application form – Part A

General details for all applications

Principal contact or person in charge details

PRINCIPAL CONTACT/PERSON IN CHARGE FULL NAME	TITLE
s.73	Mr

POSITION IN CORPORATION
Partner

TELEPHONE	FASCIMILE	E-MAIL/WEBSITE
s.73	3839 8381	s.73

POSTAL ADDRESS (WRITE "AS ABOVE" IF THE SAME AS REGISTERED ADDRESS)	POST CODE
As above	

Authorised signatory

The authorised signatory is the person authorised to sign an application on behalf of a corporation and in doing so declares that the corporation will be bound by the conditions associated with the granting of the licence or permit.

AUTHORIZED SIGNATORY FULL NAME	TITLE
s.73	Mr.

POSITION IN CORPORATION
Partner

Released by EHP under the RTI Act 2009

3. Project details

Pre-lodgement

Have you previously attended a pre-lodgement meeting or submitted a pre-lodgement form for this project?

☒ NO ☐ YES

PROJECT NUMBER (IF APPLICABLE)

Project description

Briefly describe the proposed activities, works, development or management. Attach a separate sheet if there is insufficient space below.

DESCRIPTION
Removal of approximately 16 cubic meters of soil contaminated with hydrocarbons (C10-14). The soil has been sampled and is currently stored on site. ERM, on behalf of the Shell Company of Australia is applying to move the soil to an appropriate waste facility for disposal in lined landfill.

Release

Department of Environment and Resource Management

Application form – Part A

General details for all applications

Approvals required

Please list all Part B application forms you are attaching to this form.

APPLICATION FORMS

Contaminated Soil Disposal Permit

Project site

Where will the activities be conducted? Provide the street address, real property description(s) of the land(s) in which the project is located and local government area. If you require more space, attach a separate sheet.

This information should at least provide enough details to allow a Department of Environment and Resource Management officer to locate the site of the proposal.

STREET ADDRESS

Shell Maroochydore Aviation Facility
Friendship Avenue, Maroochydore
Qld

LOT	PLAN
699	CG3786

LOCAL GOVERNMENT AREA

Maroochydore Shire Council

If possible, provide a specific location within a protected area, a property name or an attached map with the project area clearly delineated. Also include the map name/details.

Give as much information as possible to accurately locate your activity, for example maps with contextual or boundary lines on plan or GPS boundary co-ordinates.

SPECIFIC LOCATION/PROPERTY NAME

PROTECTED AREA

GEOGRAPHICAL CO-ORDINATES

26°36'24.68 S 153°05'18.34"E

Geographical co-ordinates can include northing/easting, longitude/latitude.

Attachments

List all attached documents, including maps containing information supporting this application in the space below. If there are no attachments mark "N/A."

Label all attachments alphabetically (e.g. 'Attachment A')

ATTACHMENTS (LABEL ALL ATTACHMENTS ALPHABETICALLY – E.G. "ATTACHMENT A")

Attachment A - Site Location Map, Sampling Location and Contamination Source, Attachment B- Laboratory Reports, Attachment C - Summary of Stockpile Soil Data Table, Attachment D - Landfill Acceptance Letter, Attachment E - Sampling Methodology.

Released by EHP under the RTI Act 2009

4. Applicant's certification

Note: If you have not told the truth in this application you may be liable for prosecution under the relevant Acts or Regulations.

- I do solemnly and sincerely declare that the information provided is true and correct to the best of my knowledge.
- I understand that information supplied on or with this application form may be disclosed publicly in accordance with the *Right to Information Act 2009* and the *Evidence Act 1977*.

AF

Sch4p4(6) Signature

Joint applicant signatures (if applicable)

APPLICANT(2) SIGNATURE

APPLICANT(3) SIGNATURE

APPLICANT(4) SIGNATURE

APPLICANT(5) SIGNATURE

DATE 22/2/11

Complete the following checklist.

☒ Application form(s) signed and completed

☒ Permit fees paid or enclosed (if applicable)

☒ Supporting information attached (e.g. maps)

Please return your completed application to:

Permit and Licence Management
Implementation Support Unit
Department of Environment and Resource Management
GPO Box 2454
Brisbane Queensland 4001

Enquiries: 1300 130 372
Facsimile: (07) 3896 3342
Email: palm@derm.qld.gov.au

Released by EHP under the RTI Act 2009

Department of Environment and Resource Management

RECEIVED
23 FEB 2011
PaLM

Application form

Environmental Protection Act

Application for contaminated soil disposal permit – Part B

This form sets out the specific details required for an application under s424 of the Environmental Protection Act 1994 *for a permit to dispose of contaminated soil offsite. A contaminated soil disposal permit is required before you can proceed lawfully with your project and any associated activities.*

1. Specific information requirements

1.1 Please provide details of site(s) from which soil is to be removed

If you require additional space, attach the information requested and make reference to that sheet here.

FULL STREET ADDRESS OF SITE(S) Friendship Avenue, Maroochydore, QLD	
LOT(S) Lot 699	PLAN(S) CG3786
LOCAL GOVERNMENT AREA Maroochydore Shire Council	

1.2 Has a site investigation report been submitted to the Department of Environment and Resource Management (DERM)?

☒ NO ☐ YES DERM PROJECT REFERENCE OR FILE NUMBER? (IF KNOWN)

1.3 Please provide a copy of the current Certificate of Title to the land

☒ ENCLOSED WITH THIS APPLICATION ☐ SUBMITTED PREVIOUSLY TO EPA AS PART OF A SITE INVESTIGATION / VALIDATION REPORT

1.4 Has the site been used for a notifiable activity as per Schedule 3 of the *Environmental Protection Act 1994*?

☐ NO ☒ YES (PLEASE SPECIFY) ELECTRICAL TRANSFORMERS AND PETROLEUM PRODUCT OR OIL STORAGE

1.5 Is the site presently being used for a notifiable activity?

☐ NO ☒ YES (PLEASE SPECIFY) PETROLEM PRODUCT AND OIL STORAGE

Released by EHP under the RTI Act 2009

Department of Environment and Resource Management
www.derm.qld.gov.au ABN 46 640 294 485

Queensland Government

Release

1.6 Is the site currently on the Environmental Management Register or Contaminated Land Register?

☒ YES ☐ NO (IF NO, YOU MUST SUBMIT A NOTIFICATION FORM TO THE DERM)

1.7 Has contaminated soil been removed from this site in the past?

☒ NO (GO TO QUESTION 19) ☐ YES

1.8 Was approval for off-site disposal obtained?

☒ NO ☐ YES

1.9 What is the approximate volume (in cubic metres) of soil to be removed (allowing for excavation bulking)?

16 cubic metres

1.10 How did you calculate the volume of soil to be removed?

Estimated soil volume based on the dimensions of the stockpiled soil.

1.11 What are the dates between which soil will be moved to the disposal location?

FROM DATE:	TO DATE:
1/02/2011	31/3/2011

(In accordance with Section 424(7), permits will only be valid between dates stipulated in the disposal permit)

1.12 Justification of request?

State reason(s) why on-site treatment or management is not proposed

Present activites and space constraints within the site do not allow for treatment or remediation activities to be undertaken effectively. Soil was removed for the installation of new subsurface infastructure.

1.13 Will validation sampling be undertaken to confirm that all soil has been removed?

☐ NO ☒ YES

Released by EHP under the RTI Act 2009

Release

Department of Environment and Resource Management

1.14 Provide a description of the contamination present in the soil to be removed?

Sampling of the stockpile has reported concentrations of TPH C10 - 14 (310 mg/kg) is above the QLD guideline value of 100 mg/kg.

1.15 Please tick relevant boxes to indicate that you have attached the following information with this application?

- ☒ Scaled plan showing soil sampling locations and contamination source(s)
- ☒ Tabulation of soil analysis results
- ☐ Toxicity Characteristic Leaching Procedure (TCLP) results from relevant soil samples
- ☒ Laboratory reports and sample receipt advices for all soil analysis
- ☒ Explanation of location and depths of samples, how samples were collected, and how sample integrity was maintained

1.16 Written acceptance from owner of site receiving contaminated soil?

(a) ☒ Soil being removed to a local government administered landfill

NAME AND ADDRESS OF LOCAL GOVERNMENT ADMINISTERED LANDFILL
Caloundra Landfill and Resource Recovery centre, 171 Pierce Avenue, Caloundra, QLD.

☒ **Written acceptance from local government authority is enclosed**

(b) ☐ Soil being removed not going to a local government-administered landfill

☐ Copy of Certificate of Title for the disposal location site

LOT(S)	PLAN(S)
FULL STREET ADDRESS OF SITE(S)	

☐ Written acceptance from registered owner of site is enclosed with this application

Released by EHP under the RTI Act 2009

Declaration

Note: If you do not tell the truth in this application you may be liable for prosecution under the relevant legislation.

- I do solemnly and sincerely declare that the information provided is true and correct to the best of my knowledge. I understand that it is an offence under s480 of the *Environmental Protection Act 1994* to give to the administering authority or an authorised person a document containing information that I know to be false, misleading or incomplete in a material particular; and
- I understand that all information supplied on or with this application form may be disclosed publicly in accordance with the *Right to Information Act 2009* and the *Evidence Act 1977*.

APPLICANT'S NAME	PRINT NAME OF APPOINTED SIGNATORY (IF APPLICABLE)
s.73	

APPLICANT'S SIGNATURE / APPOINTED SIGNATORY	DATE
Sch4p4(6) Signature	22/2/11

Applicant checklist

☒ Application form(s) completed and signed

☒ Supporting information attached (if applicable)

Please return your completed application kit to:

Permit and Licence Management
Implementation and Support Unit
Department of Environment and Resource Management
GPO Box 2454
Brisbane Queensland 4001

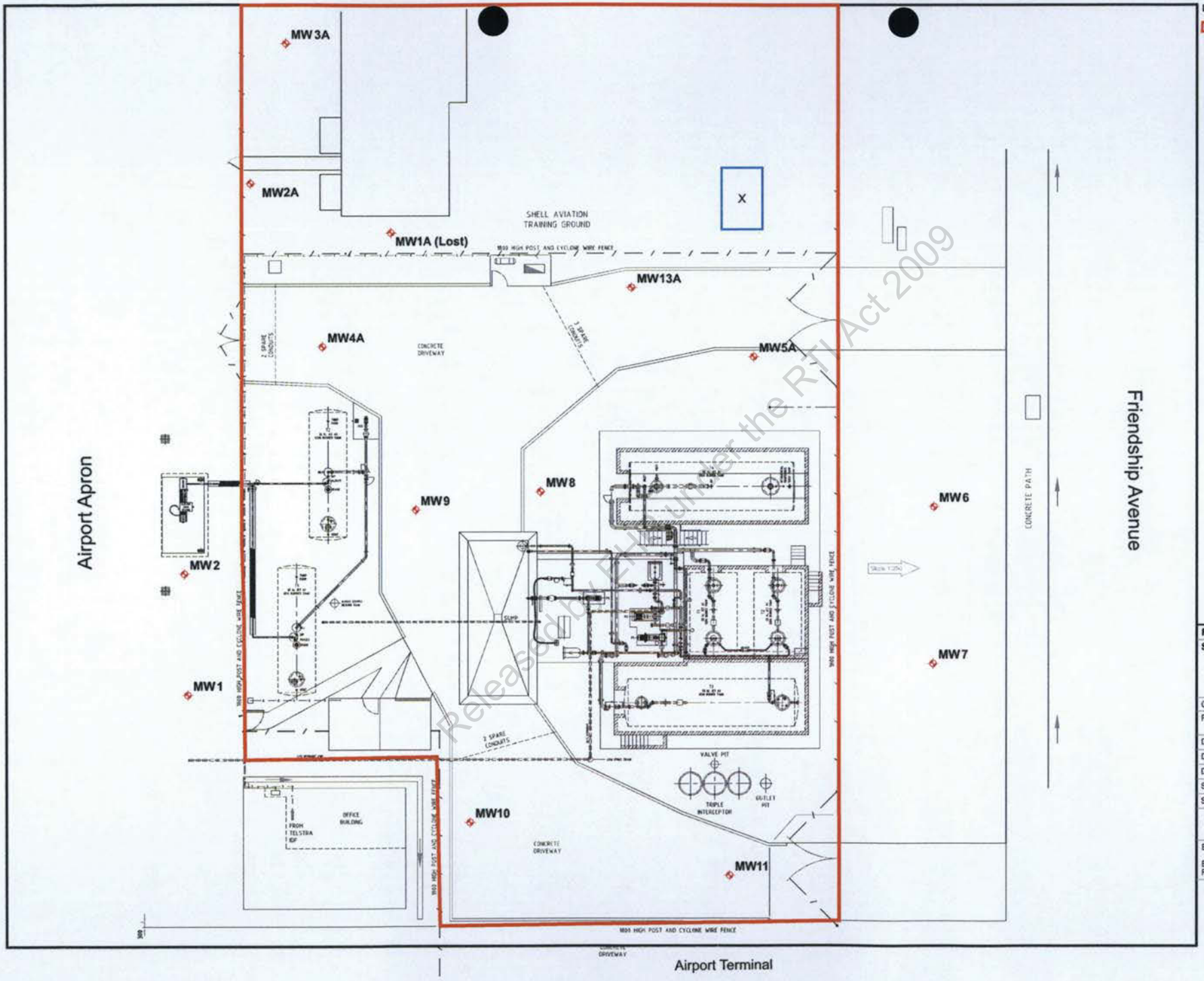
Enquiries: **1300 130 372**
Facsimile: (07) 3896 3342
palm@derm.qld.gov.au

You may apply for an exemption from disclosing information contained in a document submitted, or proposed to be submitted with this application (see Section 564 of the *Environmental Protection Act 1994*).

Released by EHP under the RTI Act 2009

ATTACHMENT A – Site Location, Sampling Location and Contamination Source

Released by EHP under the RTI Act 2009



Released by EHP under the RTI Act 2009

Legend

- Boundary
- Monitoring Well Locations
- Soil Stockpile Boundary
- X Soil Sampling Location

Figure 1
Site Features & Soil Stockpile Location

Client:	The Shell Company of Australia Ltd	
Project:	Comprehensive GME Maroochydore Airport Aviation Fuel Facility	
Drawing No:	0125137_SP2011_C001	
Date:	22/2/2011	Drawing size: A3
Drawn by:	JK	Reviewed by: JK
Source:	-	
Scale:	Refer to Scale Bar	

N

0 2.5 5m

Environmental Resources Management Australia Pty Ltd

Brisbane, Canberra, Hunter Valley, Melbourne, Perth, Port Macquarie, Sydney

ERM

Relea

ATTACHMENT B – Laboratory Reports

Released by EHP under the RTI Act 2009

mgt LabMark
ENVIRONMENTAL LABORATORIES
ABN – 50 005 085 521 e.mail s.73 web : www.mgtenv.com.au

Melbourne
3-5 Kingston Town Close
Oakleigh Vic 3166
Phone : +61 s.73
NATA Site # 1261

Thornleigh
1a Chilvers Rd
Thornleigh NSW 2120
Phone : +61 s.73
NATA Site # 18217

Asquith
Unit 1, 8 Leighton Place
Asquith NSW 2077
Phone : +61 s.73
NATA Site # 13535

Clayton
1868 Dandenong Road
Clayton VIC 3168
Phone : s.73
NATA Site # 1645

Sample Receipt Advice

Company name: ERM Queensland

Contact name: Josh Kowald
Client job number: MAROOCHYDORE SP - 0125137
COC number: 11308
Turn around time: 5 Day
Date received: Nov 25, 2010
MGT lab reference: 283588

Sample information

☑ A detailed list of analytes logged into our LIMS, is included in the attached summary table.

☑ All samples have been received as described on the above COC.

☑ COC has been completed correctly.

☑ Attempt to chill was evident.

☑ Appropriately preserved sample containers have been used.

☑ All samples were received in good condition.

☑ Samples have been provided with adequate time to commence analysis in accordance with the relevant holding times.

☑ Organic samples had Teflon liners.

☒ Some samples have been subcontracted.

N/A Custody Seals intact (if used).

Released by EHP under the RTI Act 2009

Contact notes

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

s.73 on Phone : s.73 or by e.mail: s.73

Results will be delivered electronically via e.mail to s.73

mgt Sample Receipt

mgt LabMark
ENVIRONMENTAL LABORATORIES

Certificate of Analysis

ERM
Level 1, 60 Leichhardt street
Spring Hill
QLD 4004

Attention: Josh Kowald

NATA
WORLD RECOGNISED ACCREDITATION

NATA Accredited
Laboratory Number 1261

The tests covered by this document have been performed in accordance with NATA and ISO/IES 17025 and are traceable to national standards of measurement.
This document shall not be reproduced, except in full.

Report	283588-S
Client Reference	MAROOCHYDORE SP - 0125137
Received Date	Nov 25, 2010

Client Sample ID			**MA_SP01**	**MA_ASS**
Sample Matrix			**Soil**	**Soil**
mgt-LabMark Sample No.			**10-No09581**	**10-No09582**
Date Sampled			**Nov 19, 2010**	**Nov 19, 2010**
Test/Reference	PQL	Unit		
Total Recoverable Hydrocarbons				
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	-
TRH C10-36 (Total)	100	mg/kg	310	-
TRH C10-C14 Fraction by GC	50	mg/kg	310	-
TRH C15-C28 Fraction by GC	100	mg/kg	< 100	-
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	-
Monocyclic Aromatic Hydrocarbons				
Benzene	0.05	mg/kg	< 0.05	-
Toluene	0.05	mg/kg	< 0.05	-
Ethylbenzene	0.05	mg/kg	< 0.05	-
o-Xylene	0.05	mg/kg	< 0.05	-
Total m+p-Xylenes	0.10	mg/kg	< 0.1	-
Xylenes(ortho.meta and para)	0.15	mg/kg	< 0.15	-
Fluorobenzene (surr.)	1	%	98	-
Polycyclic Aromatic Hydrocarbons				
Acenaphthene	0.1	mg/kg	< 0.1	-
Acenaphthylene	0.1	mg/kg	< 0.1	-
Anthracene	0.1	mg/kg	< 0.1	-
Benz(a)anthracene	0.1	mg/kg	< 0.1	-
Benzo(a)pyrene	0.1	mg/kg	< 0.1	-
Benzo(b)fluoranthene	0.1	mg/kg	< 0.1	-
Benzo(g.h.i)perylene	0.1	mg/kg	< 0.1	-
Benzo(k)fluoranthene	0.1	mg/kg	< 0.1	-
Chrysene	0.1	mg/kg	< 0.1	-
Dibenz(a.h)anthracene	0.1	mg/kg	< 0.1	-
Fluoranthene	0.1	mg/kg	< 0.1	-
Fluorene	0.1	mg/kg	< 0.1	-
Indeno(1.2.3-cd)pyrene	0.1	mg/kg	< 0.1	-
Naphthalene	0.1	mg/kg	< 0.1	-
Phenanthrene	0.1	mg/kg	< 0.1	-
Pyrene	0.1	mg/kg	< 0.1	-
Total PAH	0.1	mg/kg	< 0.1	-
p-Terphenyl-d14 (surr.)	1	%	146	-
2-Fluorobiphenyl (surr.)	1	%	131	-
Phenols (Halogenated)				
2-Chlorophenol	0.5	mg/kg	< 0.5	-
2.4-Dichlorophenol	0.5	mg/kg	< 0.5	-
2.4.5-Trichlorophenol	1.0	mg/kg	< 1	-
2.4.6-Trichlorophenol	1.0	mg/kg	< 1	-

Released by EHP under the RTI Act 2009

mgt LabMark
ENVIRONMENTAL LABORATORIES

Client Sample ID			MA_SP01	MA_ASS
Sample Matrix			Soil	Soil
mgt-LabMark Sample No.			10-No09581	10-No09582
Date Sampled			Nov 19, 2010	Nov 19, 2010
Test/Reference	PQL	Unit		
2.6-Dichlorophenol	0.5	mg/kg	< 0.5	-
4-Chloro-3-methylphenol	1.0	mg/kg	< 1	-
Pentachlorophenol	1.0	mg/kg	< 1	-
Tetrachlorophenols - Total	5.0	mg/kg	< 5	-
Total Halogenated Phenol	1	mg/kg	< 1	-
Phenols (non-Halogenated)				
2-Cyclohexyl-4.6-dinitrophenol	20	mg/kg	< 20	-
2-Methyl-4.6-dinitrophenol	5	mg/kg	< 5	-
2-Methylphenol (o-Cresol)	0.2	mg/kg	< 0.2	-
2-Nitrophenol	1.0	mg/kg	< 1	-
2.4-Dimethylphenol	0.5	mg/kg	< 0.5	-
2.4-Dinitrophenol	5	mg/kg	< 5	-
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	< 0.4	-
4-Nitrophenol	5	mg/kg	< 5	-
Dinoseb	20	mg/kg	< 20	-
Phenol	0.5	mg/kg	< 0.5	-
Total Non-Halogenated Phenol	20	mg/kg	< 20	-
Phenol-d6 (surr.)	1	%	119	-
% Moisture	0.1	%	8.8	10
Acid Sulphate Soils Field pH Test				
pH-F (Field pH test)	0.1	units	-	5.7
pH-FOX (Field pH Peroxide test)	0.1	units	-	2.3
Reaction Ratings		comment	-	Meduim
Heavy Metals				
Lead	5	mg/kg	11	-

Released by EHP under the RTI Act 2009

mgt LabMark
ENVIRONMENTAL LABORATORIES

Sample History

Where samples are submitted/analysed over several days, the last date of extraction and analysis is reported.

Description	Testing Site	Extracted	Holding Time
Total Recoverable Hydrocarbons - Method: TRH C6-C36 - MGT 100A	Oakleigh	Nov 25, 2010	14 Day
Monocyclic Aromatic Hydrocarbons - Method: USEPA 8260B - MGT 350A Monocyclic Aromatic Hydrocarbons	Oakleigh	Nov 25, 2010	14 Day
Polycyclic Aromatic Hydrocarbons - Method: USEPA 8270C Polycyclic Aromatic Hydrocarbons	Oakleigh	Nov 25, 2010	14 Day
Phenols (Halogenated) - Method: USEPA 8270C Phenols	Oakleigh	Nov 25, 2010	14 Day
Phenols (non-Halogenated) - Method: USEPA 8270C Phenols	Oakleigh	Nov 25, 2010	14 Day
% Moisture - Method: Method 102 - ANZECC - % Moisture	Oakleigh	Nov 25, 2010	14 Day
Acid Sulphate Soils Field pH Test - Method: Acid Sulphate Soils Guideline Series	Oakleigh	Nov 25, 2010	7 Day
Heavy Metals - Method: USEPA 6020 Heavy Metals & USEPA 7470/71 Mercury	Oakleigh	Nov 25, 2010	6 Month

Released by EHP under the RTI Act 2009

mgt LabMark
ENVIRONMENTAL LABORATORIES
ABN – 50 005 085 521 e.mail : s.73 web : www.mgtlabmark.com.au

Melbourne
3-5 Kingston Town Close
Oakleigh VIC 3166
Phone : +61 s.73
NATA Site # 1254

Thornleigh
1a Chilvers Rd
Thornleigh NSW 2120
Phone : +61 s.73
NATA Site # 18217

Asquith
Unit 1, 8 Leighton Place
Asquith NSW 2077
Phone : +61 s.73
NATA Site # 13535

Clayton
1868 Dandenong Road
Clayton VIC 3168
Phone : +61 s.73
NATA Site # 1645

Company Name:	ERM Queensland	Order No.:	
Address:	Level 1, 60 Leichhardt street Spring Hill QLD 4004	Report #:	283588
		Phone:	s.73
		Fax:	
Received:	Nov 25, 2010 12:00		
Due:	Dec 2, 2010 09:46		
Priority:	5 Day		
Contact name:	s.73		
Client Job No.:	MAROOCHYDORE SP - 0125137	mgt Client Manager:	s.73

Sample Detail					% Moisture	Type I - Shell	Type II - Shell	Acid Sulphate Soils Field pH Test
Laboratory where analysis is conducted								
Oakleigh Laboratory - NATA Site #1254					X	X	X	X
Thornleigh Laboratory - NATA Site #18217								
Asquith Laboratory - NATA Site #13535								
Clayton Laboratory - NATA Site #1645								
Sample ID	Sample Date	Sampling Time	Matrix	LAB ID				
MA_SP01	Nov 19, 2010		Soil	O10-No09581	X	X	X	
MA_ASS	Nov 19, 2010		Soil	O10-No09582	X			X

Released by EHP under the RTI Act 2009

mgt LabMark
ENVIRONMENTAL LABORATORIES

mgt-LabMark Internal Quality Control Review

General

1. Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples are included in this QC report where applicable. Additional QC data may be available on request.
2. All soil results are reported on a dry basis, unless otherwise stated.
3. Actual PQLs are matrix dependant. Quoted PQLs may be raised where sample extracts are diluted due to interferences.
4. Results are uncorrected for matrix spikes or surrogate recoveries.
5. SVOC analysis on waters are performed on homogenised, unfiltered samples, unless noted otherwise.
6. Samples were analysed on an 'as received' basis.
7. This report replaces any interim results previously issued.

Holding Times

Please refer to 'Sampling and Preservation Chart for Soils & Waters' for holding times. (LM-FOR-ADM-020)
For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours prior to sample receipt deadlines as stated on the Sample Receipt Acknowledgment.
If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

****NOTE:** pH duplicates are reported as a range NOT as an RPD

UNITS

mg/kg: milligrams per Kilogram
µg/l: micrograms per litre
ppb: Parts per billion
org/100ml: Organisms per 100 millilitres
mg/L: milligrams per litre
ppm: Parts per million
%: Percentage
NTU: Nephelometric Turbidity Units

TERMS

Dry: Where a moisture has been determined on a solid sample the result is expressed on a dry basis.
LOR: Limit Of Reporting.
SPIKE: Addition of the analyte to the sample and reported as percentage recovery.
RPD: Relative Percent Difference between two Duplicate pieces of analysis.
LCS: Laboratory Control Sample - reported as percent recovery.
CRM: Certified Reference Material - reported as percent recovery.
Method Blank: In the case of solid samples these are performed on laboratory certified clean sands. In the case of water samples these are performed on de-ionised water.
Surr - Surrogate: The addition of a like compound to the analyte target and reported as percentage recovery.
Duplicate: A second piece of analysis from the same sample and reported in the same units as the result to show comparison.
Batch Duplicate: A second piece of analysis from a sample outside of the client's batch of samples but run within the laboratory batch of analysis.
Batch SPIKE: Spike recovery reported on a sample from outside of the client's batch of samples but run within the laboratory batch of analysis.
USEPA: U.S Environmental Protection Agency
APHA: American Public Health Association
ASLP: Australian Standard Leaching Procedure (AS4439.3)
TCLP: Toxicity Characteristic Leaching Procedure
COC: Chain Of Custody
SRA: Sample Receipt Advice

QC - ACCEPTANCE CRITERIA

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is 30% however the following acceptance guidelines are equally applicable:
Results <10 times the LOR : No Limit
Results between 10-20 times the LOR : RPD must lie between 0-50%
Results >20 times the LOR : RPD must lie between 0-20%
Surrogate Recoveries : Recoveries must lie between 50-150% - Phenols 20-130%.

QC DATA GENERAL COMMENTS

1. Where a result is reported as a less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
2. Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch, but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown is not data from your samples.
3. Organochlorine Pesticide analysis - where reporting LCS data, Toxophene & Chlordane are not added to the LCS.
4. Organochlorine Pesticide analysis - where reporting Spike data, Toxophene is not added to the Spike.
5. Total Recoverable Hydrocarbons - where reporting Spike & LCS data, a single spike of commercial Hydrocarbon products in the range of C12-C30 is added and it's Total Recovery is reported in the C10-C14 cell of the Report.
6. Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of Recovery the term "INT" appears against that analyte.
7. Polychlorinated Biphenyls are spiked only using Arochlor 1260 in Matrix Spikes and LCS's.
8. For Matrix Spikes and LCS results a dash " -" in the report means that the specific analyte was not added to the QC sample.
9. Duplicate RPD's are calculated from raw analytical data thus it is possible to have two sets of data below the LOR with a positive RPD - eg: LOR 0.1, Result A = <0.1 (raw data is 0.02) & Result B = <0.1 (raw data is 0.03) resulting in a RPD of 40% calculated from the raw data.

Released by EHP under the RTI Act 2009

Release

Quality Control Results

Sample, Test, Result Reference	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Codes
Method Blank							
Total Recoverable Hydrocarbons TRH C6-C36 - MGT 100A							
TRH C6-C9 Fraction by GC	mg/kg	< 20			20	Pass	
TRH C10-C14 Fraction by GC	mg/kg	< 50			50	Pass	
TRH C15-C28 Fraction by GC	mg/kg	< 100			100	Pass	
TRH C29-C36 Fraction by GC	mg/kg	< 100			100	Pass	
Method Blank							
Monocyclic Aromatic Hydrocarbons USEPA 8260B - MGT 350A							
Benzene	mg/kg	< 0.05			0.05	Pass	
Toluene	mg/kg	< 0.05			0.05	Pass	
Ethylbenzene	mg/kg	< 0.05			0.05	Pass	
o-Xylene	mg/kg	< 0.05			0.05	Pass	
Total m+p-Xylenes	mg/kg	< 0.1			0.10	Pass	
Xylenes(ortho.meta and para)	mg/kg	< 0.15			0.15	Pass	
Method Blank							
Polycyclic Aromatic Hydrocarbons USEPA 8270C Polycyclic A							
Acenaphthene	mg/kg	< 0.1			0.1	Pass	
Acenaphthylene	mg/kg	< 0.1			0.1	Pass	
Anthracene	mg/kg	< 0.1			0.1	Pass	
Benz(a)anthracene	mg/kg	< 0.1			0.1	Pass	
Benzo(a)pyrene	mg/kg	< 0.1			0.1	Pass	
Benzo(b)fluoranthene	mg/kg	< 0.1			0.1	Pass	
Benzo(g.h.i)perylene	mg/kg	< 0.1			0.1	Pass	
Benzo(k)fluoranthene	mg/kg	< 0.1			0.1	Pass	
Chrysene	mg/kg	< 0.1			0.1	Pass	
Dibenz(a.h)anthracene	mg/kg	< 0.1			0.1	Pass	
Fluoranthene	mg/kg	< 0.1			0.1	Pass	
Fluorene	mg/kg	< 0.1			0.1	Pass	
Indeno(1.2.3-cd)pyrene	mg/kg	< 0.1			0.1	Pass	
Naphthalene	mg/kg	< 0.1			0.1	Pass	
Phenanthrene	mg/kg	< 0.1			0.1	Pass	
Pyrene	mg/kg	< 0.1			0.1	Pass	
Method Blank							
Phenols (Halogenated) USEPA 8270C Phenols							
2-Chlorophenol	mg/kg	< 0.5			0.5	Pass	
2.4-Dichlorophenol	mg/kg	< 0.5			0.5	Pass	
2.4.5-Trichlorophenol	mg/kg	< 1			1.0	Pass	
2.4.6-Trichlorophenol	mg/kg	< 1			1.0	Pass	
2.6-Dichlorophenol	mg/kg	< 0.5			0.5	Pass	
4-Chloro-3-methylphenol	mg/kg	< 1			1.0	Pass	
Pentachlorophenol	mg/kg	< 1			1.0	Pass	
Tetrachlorophenols - Total	mg/kg	< 5			5.0	Pass	
Method Blank							
Phenols (non-Halogenated) USEPA 8270C Phenols							
2-Cyclohexyl-4.6-dinitrophenol	mg/kg	< 20			20	Pass	
2-Methyl-4.6-dinitrophenol	mg/kg	< 5			5	Pass	
2-Methylphenol (o-Cresol)	mg/kg	< 0.2			0.2	Pass	
2-Nitrophenol	mg/kg	< 1			1.0	Pass	
2.4-Dimethylphenol	mg/kg	< 0.5			0.5	Pass	
2.4-Dinitrophenol	mg/kg	< 5			5	Pass	
3&4-Methylphenol (m&p-Cresol)	mg/kg	< 0.4			0.4	Pass	
4-Nitrophenol	mg/kg	< 5			5	Pass	
Dinoseb	mg/kg	< 20			20	Pass	
Phenol	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Heavy Metals USEPA 6020 Heavy Metals & USEPA 7470/71 Me							
Lead	mg/kg	< 5			5	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons TRH C6-C36 - MGT 100A		Result 1					
TRH C6-C9 Fraction by GC	%	88			70-130	Pass	
TRH C10-C14 Fraction by GC	%	100			70-130	Pass	
LCS - % Recovery							
Monocyclic Aromatic Hydrocarbons USEPA 8260B - MGT 350A		Result 1					
Benzene	%	114			75-125	Pass	

released by EHP under the RTI Act 2009

mgt LabMark
ENVIRONMENTAL LABORATORIES

Sample, Test, Result Reference	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Codes
Toluene	%	107			75-125	Pass	
Ethylbenzene	%	104			75-125	Pass	
Xylenes(ortho.meta and para)	%	99			75-125	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons USEPA 8270C Polycyclic A		Result 1					
Acenaphthene	%	110			70-130	Pass	
Acenaphthylene	%	121			70-130	Pass	
Anthracene	%	128			70-130	Pass	
Benz(a)anthracene	%	115			70-130	Pass	
Benzo(a)pyrene	%	122			70-130	Pass	
Benzo(b)fluoranthene	%	108			70-130	Pass	
Benzo(g.h.i)perylene	%	86			70-130	Pass	
Benzo(k)fluoranthene	%	113			70-130	Pass	
Chrysene	%	106			70-130	Pass	
Dibenz(a.h)anthracene	%	97			70-130	Pass	
Fluoranthene	%	124			70-130	Pass	
Fluorene	%	117			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	97			70-130	Pass	
Naphthalene	%	113			70-130	Pass	
Phenanthrene	%	119			70-130	Pass	
Pyrene	%	124			70-130	Pass	
LCS - % Recovery							
Phenols (Halogenated) USEPA 8270C Phenols		Result 1					
2-Chlorophenol	%	130			30-130	Pass	
2.4-Dichlorophenol	%	129			30-130	Pass	
2.4.5-Trichlorophenol	%	128			30-130	Pass	
2.4.6-Trichlorophenol	%	122			30-130	Pass	
2.6-Dichlorophenol	%	125			30-130	Pass	
4-Chloro-3-methylphenol	%	129			30-130	Pass	
Pentachlorophenol	%	106			30-130	Pass	
LCS - % Recovery							
Phenols (non-Halogenated) USEPA 8270C Phenols		Result 1					
2-Methylphenol (o-Cresol)	%	126			30-130	Pass	
2-Nitrophenol	%	114			30-130	Pass	
2.4-Dimethylphenol	%	129			30-130	Pass	
2.4-Dinitrophenol	%	98			30-130	Pass	
3&4-Methylphenol (m&p-Cresol)	%	126			30-130	Pass	
4-Nitrophenol	%	107			30-130	Pass	
Phenol	%	129			30-130	Pass	
LCS - % Recovery							
Heavy Metals USEPA 6020 Heavy Metals & USEPA 7470/71 Mer		Result 1					
Lead	%	105			80-120	Pass	
[Duplicate of 10-No09588 - BATCH]							
Total Recoverable Hydrocarbons		Result 1	Result 2	RPD			
TRH C6-C9 Fraction by GC	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C10-C14 Fraction by GC	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C15-C28 Fraction by GC	mg/kg	< 100	< 100	<1	30%	Pass	
TRH C29-C36 Fraction by GC	mg/kg	< 100	< 100	<1	30%	Pass	
[Duplicate of 10-No09588 - BATCH]							
Monocyclic Aromatic Hydrocarbons		Result 1	Result 2	RPD			
Benzene	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toluene	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Ethylbenzene	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
o-Xylene	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Total m+p-Xylenes	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes(ortho.meta and para)	mg/kg	< 0.15	< 0.15	<1	30%	Pass	
[Duplicate of 10-No08322 - BATCH]							
Polycyclic Aromatic Hydrocarbons		Result 1	Result 2	RPD			
Acenaphthene	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Acenaphthylene	mg/kg	0.4	0.4	1	30%	Pass	
Anthracene	mg/kg	0.9	0.8	14	30%	Pass	
Benz(a)anthracene	mg/kg	3.8	3.8	1	30%	Pass	
Benzo(a)pyrene	mg/kg	3.7	3.5	5	30%	Pass	
Benzo(b)fluoranthene	mg/kg	3.3	3.3	1	30%	Pass	
Benzo(g.h.i)perylene	mg/kg	1.9	2	10	30%	Pass	
Benzo(k)fluoranthene	mg/kg	1.9	1.6	13	30%	Pass	

Released by EHP under the RTI Act 2009

Release

mgt LabMark
ENVIRONMENTAL LABORATORIES

Sample, Test, Result Reference	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Codes
Chrysene	mg/kg	2.8	2.7	5	30%	Pass	
Dibenz(a.h)anthracene	mg/kg	0.4	0.5	10	30%	Pass	
Fluoranthene	mg/kg	6	5.9	2	30%	Pass	
Fluorene	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	mg/kg	1.5	1.6	10	30%	Pass	
Naphthalene	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Phenanthrene	mg/kg	2.6	2.6	<1	30%	Pass	
Pyrene	mg/kg	5.8	5.7	3	30%	Pass	
[Duplicate of 10-No08322 - BATCH]							
Phenols (Halogenated)		Result 1	Result 2	RPD			
2-Chlorophenol	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dichlorophenol	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4.5-Trichlorophenol	mg/kg	< 1	< 1	<1	30%	Pass	
2.4.6-Trichlorophenol	mg/kg	< 1	< 1	<1	30%	Pass	
2.6-Dichlorophenol	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chloro-3-methylphenol	mg/kg	< 1	< 1	<1	30%	Pass	
Pentachlorophenol	mg/kg	< 1	< 1	<1	30%	Pass	
Tetrachlorophenols - Total	mg/kg	< 5	< 5	<1	30%	Pass	
[Duplicate of 10-No08322 - BATCH]							
Phenols (non-Halogenated)		Result 1	Result 2	RPD			
2-Cyclohexyl-4.6-dinitrophenol	mg/kg	< 20	< 20	<1	30%	Pass	
2-Methyl-4.6-dinitrophenol	mg/kg	< 5	< 5	<1	30%	Pass	
2-Methylphenol (o-Cresol)	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
2-Nitrophenol	mg/kg	< 1	< 1	<1	30%	Pass	
2.4-Dimethylphenol	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2.4-Dinitrophenol	mg/kg	< 5	< 5	<1	30%	Pass	
3&4-Methylphenol (m&p-Cresol)	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
4-Nitrophenol	mg/kg	< 5	< 5	<1	30%	Pass	
Dinoseb	mg/kg	< 20	< 20	<1	30%	Pass	
Phenol	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
[Duplicate of 10-No09584 - BATCH]							
Heavy Metals		Result 1	Result 2	RPD			
Lead	mg/kg	110	110	6	30%	Pass	
[Spike of 10-No09588 - BATCH] - % Recovery							
Total Recoverable Hydrocarbons		Result 1					
TRH C6-C9 Fraction by GC	%	81			70 - 130	Pass	
TRH C10-C14 Fraction by GC	%	97			70 - 130	Pass	
[Spike of 10-No09588 - BATCH] - % Recovery							
Monocyclic Aromatic Hydrocarbons		Result 1					
Benzene	%	122			75 - 125	Pass	
Toluene	%	96			75 - 125	Pass	
Ethylbenzene	%	92			75 - 125	Pass	
o-Xylene	%	77			75 - 125	Pass	
Xylenes(ortho.meta and para)	%	77			75 - 125	Pass	
[Spike of 10-No09581] - % Recovery							
Polycyclic Aromatic Hydrocarbons		Result 1					
Acenaphthene	%	107			70 - 130	Pass	
Acenaphthylene	%	116			70 - 130	Pass	
Anthracene	%	129			70 - 130	Pass	
Benz(a)anthracene	%	108			70 - 130	Pass	
Benzo(a)pyrene	%	113			70 - 130	Pass	
Benzo(b)fluoranthene	%	87			70 - 130	Pass	
Benzo(g.h.i)perylene	%	89			70 - 130	Pass	
Benzo(k)fluoranthene	%	127			70 - 130	Pass	
Chrysene	%	107			70 - 130	Pass	
Dibenz(a.h)anthracene	%	97			70 - 130	Pass	
Fluoranthene	%	110			70 - 130	Pass	
Fluorene	%	112			70 - 130	Pass	
Indeno(1.2.3-cd)pyrene	%	97			70 - 130	Pass	
Naphthalene	%	114			70 - 130	Pass	
Phenanthrene	%	112			70 - 130	Pass	
Pyrene	%	110			70 - 130	Pass	
[Spike of 10-No09581] - % Recovery							
Phenols (Halogenated)		Result 1					
2-Chlorophenol	%	114			30 - 130	Pass	
2.4-Dichlorophenol	%	112			30 - 130	Pass	

Released by EHP under the RTI Act 2009

mgt LabMark
ENVIRONMENTAL LABORATORIES

Sample, Test, Result Reference	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Codes
2.4.5-Trichlorophenol	%	124			30 - 130	Pass	
2.4.6-Trichlorophenol	%	103			30 - 130	Pass	
2.6-Dichlorophenol	%	106			30 - 130	Pass	
4-Chloro-3-methylphenol	%	110			30 - 130	Pass	
Pentachlorophenol	%	83			30 - 130	Pass	
Tetrachlorophenols - Total	%	64			30 - 130	Pass	
[Spike of 10-No09581] - % Recovery							
Phenols (non-Halogenated)		Result 1					
2-Cyclohexyl-4.6-dinitrophenol	%	109			30 - 130	Pass	
2-Methyl-4.6-dinitrophenol	%	83			30 - 130	Pass	
2.4-Dimethylphenol	%	117			30 - 130	Pass	
2.4-Dinitrophenol	%	57			30 - 130	Pass	
3&4-Methylphenol (m&p-Cresol)	%	112			30 - 130	Pass	
4-Nitrophenol	%	78			30 - 130	Pass	
Dinoseb	%	90			30 - 130	Pass	
Phenol	%	117			30 - 130	Pass	
[Spike of 10-No09581] - % Recovery							
Heavy Metals		Result 1					
Lead	%	96			75 - 125	Pass	

Released by EHP under the RTI Act 2009

mgt LabMark
ENVIRONMENTAL LABORATORIES

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Sample correctly preserved	Yes
Organic samples had Teflon liners	Yes
Samples received with Zero Headspace	No
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Authorised By

Sch4p4(6) Signature

s.73
NATA Signatory

Final report - this Report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Uncertainty data is available on request

mgt-LabMark shall not be liable for loss, cost, damages or expenses incurred by the client, or any other person or company, resulting from the use of any information or interpretation given in this report. In no case shall mgt-LabMark be liable for consequential damages including, but not limited to, lost profits, damages for failure to meet deadlines and lost production arising from this report. This document shall not be reproduced except in full and relates only to the items tested. Unless indicated otherwise, the tests were performed on the samples as received.

Released by EHP under the RTI Act 2009

ATTACHMENT C – Summary of Stockpile Soil Data

Released by EHP under the RTI Act 2009

Release

ERM

Table D1 - Soil Stockpile Analytical Results
Shell Maroochydore Aviation Facility

	BTEX						TPH					Field	Halogenated Phenols							Herbicides	Inorganics	Lead
	Benzene	Ethylbenzene	Toluene	Xylene (m & p)	Xylene (o)	Xylene Total	TPH C6 - C9	TPH C10 - C14	TPH C15 - C28	TPH C29-C36	TPH+C10 - C36 (Sum of total)	pH (Field)	2,4,5-trichlorophenol	2,4,6-trichlorophenol	2,4-dichlorophenol	2,6-dichlorophenol	2-chlorophenol	Pentachlorophenol	Tetrachlorophenols	Dinoseb	Moisture Content (dried @ 103°C)	Lead
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	pH_Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	%	mg/kg
EQL	0.05	0.05	0.05	0.1	0.05	0.15	20	50	100	100	100	0.1	1	1	0.5	0.5	0.5	1	5	20	0.1	5
QLD DOE 1998 HIL F																						**1500**
QLD DOE 1998 Supplement	*1*						*100*	*100*	*1000*	*1000*												*300*
Field_ID Sampled_Date-Time																						
MA_ASS 19/11/2010	-	-	-	-	-	-	-	-	-	-	-	5.7	-	-	-	-	-	-	-	-	10	-
MA_SP01 19/11/2010	<0.05	<0.05	<0.05	<0.1	<0.05	<0.15[2]	<20	310	<100	<100	310 - 410[#1]	-	<1	<1	<0.5	<0.5	<0.5	<1	<5	<20	8.8	11

	PAH/Phenols																										Phenolics		
	2,4-dimethylphenol	2,4-dinitrophenol	2-methylphenol	2-nitrophenol	3-&4-methylphenol	4,6-Dinitro-2-methylphenol	4-chloro-3-methylphenol	4-nitrophenol	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a) pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	PAHs (Sum of total)	Phenanthrene	Phenol	Pyrene	4,6-Dinitro-o-cyclohexyl phenol	Phenols (Total Halogenated)	Phenols (Total Non Halogenated)
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	0.5	5	0.2	1	0.4	5	1	5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5	0.1	20	1	20
QLD DOE 1998 HIL F													**5**										**100**		**42500**				
QLD DOE 1998 Supplement													*1*										*20*		*5*				
Field_ID Sampled_Date-Time																													
MA_ASS 19/11/2010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MA_SP01 19/11/2010	<0.5	<5	<0.2	<1	<0.4	<5	<1	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1	<20	<1	<20

Released by EHP under the RTI Act 2009

RTI 15-432

File A

ATTACHMENT D – Landfill Acceptance Letter

Released by EHP under the RTI Act 2009

Release

s.73

From: s.73
Sent: Tuesday, 22 February 2011 8:40 AM
To: s.73
Cc: s.73
Subject: FW: Contaminated disposal application Shell SC Airport
Attachments: maroochydore SP results.xls

G'day s.73

Thankyou for supplying these results in comparative form.

Council will accept up to 20m3 of contaminated soils from the Shell Maroochydore Aviation Facility Sunshine Coast Airport Friendship Drive Marcoola.

The approved disposal site is Nambour Landfill Cooney Road Maroochydore, acceptance of this material will only occur between 7.30 am & 4.30pm Monday to Friday.

Please forward to s.73 of this office your DERM approvals once received and a final approval will be issued to the you and the receiving weighbridge officers notified.

Please note that the application fee will will be debited at the weighbridge at the time of disposal as well as the scheduled disposal fee of $100 tonne.

Should the disposal not be undertaken in a single load a waste tracking certificate will be required for each transport movement.

Should you require any further information please contact me.

Thank you

s.73
Coordinator Recovery Diversion & Disposal
Sunshine Coast Regional Council
T s.73
E s.73
W www.sunshinecoast.qld.gov.au
A Locked Bag 72, Sunshine Coast Mail Centre, Qld 4560

Released by EHP under the RTI Act 2009

From: s.73
Sent: Monday, 14 February 2011 11:46 AM
To: s.73
Subject: RE: Contaminated disposal application Shell SC Airport

Hello

As per our discussions on the phone, please find attached the tabulated lab results.

Thank you

s.73 Environmental Scientist | ERM

22/02/2011

Environmental Resource Management | Level 1 60 Leichhardt St Spring Hill QLD 4004 | Australia
T s.73 | F +61 7 3839 8381 | M Sch4p4(6) Mobile
s.73 | www.ERM.com

From: s.73
Sent: Friday, 4 February 2011 2:32 PM
To: s.73
Subject: Contaminated disposal application Shell SC Airport

G'day s.73

Please see the attached acceptance criteria for your application, the application fee has not been debited and will not until the outstanding requirements have been supplied.

Talk soon.

s.73
Coordinator Recovery Diversion & Disposal
Sunshine Coast Regional Council
T s.73
E s.73
W *www.sunshinecoast.qld.gov.au*
A *Locked Bag 72, Sunshine Coast Mail Centre, Qld 4560*

Sunshine Coast Council

To find out more about the Sunshine Coast Regional Council, visit your local office at Caloundra, Maroochydore, Nambour or Tewantin or visit us online at www.sunshinecoast.qld.gov.au. If correspondence includes personal information, please refer to Council's Privacy Policy

This email and any attachments are confidential and only for the use of the addressee. If you have received this email in error you are requested to notify the sender by return email or contact council on 1300 00 7272 and are prohibited from forwarding, printing, copying or using it in anyway, in whole or part. Please note that some council staff utilise Blackberry devices, which results in information being transmitted overseas prior to delivery of any communication to the device. In sending an email to Council you are agreeing that the content of your email may be transmitted overseas.
Any views expressed in this email are the author's, except where the email makes it clear otherwise. The unauthorised publication of an email and any attachments generated for the official functions of council is strictly prohibited. Please note that council is subject to the Right to Information Act 2009 (Qld) and Information Privacy Act 2009 (Qld).

This electronic mail message may contain information which is (a) LEGALLY PRIVILEGED, PROPRIETARY IN NATURE, OR OTHERWISE PROTECTED BY LAW FROM DISCLOSURE, and (b) intended only for the use of the Addressee (s) names herein. If you are not the Addressee (s), or the person responsible for delivering this to the Addressee (s), you are hereby notified that reading, copying, or distributing this message is prohibited. If you have received this electronic mail message in error, please contact us immediately and take the steps necessary to delete the message completely from your computer system. Environmental Resources Management Australia Pty Ltd (ERM) has systems in place to encourage a virus free software environment, however we cannot be liable for any loss or damage, corruption or distortion of electronically transmitted information, or for any changes made to this information during transferral or after receipt by the client.

Please visit ERM's web site: http://www.erm.com

Released by EHP under the RTI Act 2009

Release

ATTACHMENT E – SAMPLING METHODOLOGY

FIELDWORKS

Fieldworks were conducted on the 24th of November 2010 and involved collecting representative samples from one soil stockpile which totaled approximately 16m^3. The location of the contaminated soil removal area and stockpile are displayed on *Figure 2 (Attachment B).*

Soil samples were obtained from the stockpile using a mattock, at a frequency of one sample per 30m^3 of material. In total one sample was collected (MA_SP01). The sample was dispatched to MGT Environmental Consulting Laboratory Pty Ltd (MGT), a NATA accredited laboratory, for selected analysis.

LABORATORY ANALYSIS

Soil samples were submitted to MGT for laboratory analysis detailed in the following table.

Matrix	Analytes
Soil	TPH, PAH/Phenols, BTEX, Inorganics and Acid Sulphate Soils.

A summary of soil analytical results, are presented in *Attachment D*, Table D1. Certified laboratory analytical reports and sample receipt advices are included as *Attachment C.*

Released by EHP under the RTI Act 2009

EMR UPDATED 3/8/2007 ZDH

Queensland Government

Enquiries to: s.73
Telephone: s.73 fax (07) 3247 3278
Your reference:
Our reference: BNE32073

Environmental Protection Agency
Incorporating the
Queensland Parks and Wildlife Service

Permit to Remove and Dispose of Contaminated Soil

Pursuant to Section 424 of the *Environment Protection Act* 1994 (EP Act) permission is given to the applicant

s.73
The Shell Company of Australia Limited
385 Eagle Farm Road
PINKENBA QLD 4008
Telephone: s.73
Fax: (07) 3364 5185

Dear Registry,
Previous permit issued under file number 900028.
Could you put all together & update EMR etc.
TA
Sch4p4(6) Signature
17.7.07.

to remove and dispose of soil contaminated with TPH and lead from 385 Eagle Farm Road, PINKENBA, QLD 4008 on Lot 466 on SL2445 and described in the following correspondence:
Application for Amended Contaminated Soil Disposal Permit (extension in volume) dated 12 July, received on 12 July 2007. The permit holder is responsible for ensuring that all personnel involved in the excavation, removal and disposal comply with the specific and standard conditions in Schedules 1 and 2 of this permit.

Signed

Sch4p4(6) Signature
s.73
17/07/07

Cc: EPA (Southern Region), attn: s.73 Fax: (07) 3247 3278.
Cc: National Landfill Technologies, attn: s.73 Fax: (07) 3816 3055.

Notice to Applicant
The conditions on this permit have been decided after consideration of the standard criteria (EP Act) and for the purpose of preventing environmental harm. The applicant may apply for a review or appeal against the decision within 10 business days of receipt of this notice (s521 and s531).

288 Edward Street Brisbane
Queensland 4000 Australia
GPO Box 2771, Brisbane Qld 4001
Telephone s.73
Facsimile (07) 3247 3278
Website www.env.qld.gov.au
ABN 87 221 158 786

Printed on 100% recycled paper

Released by EHP under the RTI Act 2009

Releas

Schedule 1 of 2 – Specific Conditions

The volume or mass of the contaminated soil shall not exceed 80 cubic metres.

The soil is to be disposed in accordance with the disposal facility approval letter dated 4/07/2007 at National Landfill Technologies landfill at 100 Chum Street, NEW CHUM, QLD 4303.

The soil must be disposed between 17/07/2007 and 17/01/2008.

Other Conditions: NIL

NB: This permit supersedes the previous permit issued 11 July 2007 for 45 cubic metres. The total amount under both permits shall not exceed 80 cubic metres.

Released by EHP under the RTI Act 2009

Release

Schedule 2 of 2 – Standard Conditions

1. Volume / mass of contaminated soil
This permit applies to the specified volume or mass only. Any increases to the specified quantity will require a new disposal permit.

2. Disposal time period
Disposal must occur within the dates specified or a new disposal permit must be sought.

3. Excavation and loading
The holder of this disposal permit must take all reasonable precautions necessary to prevent the spillage of contaminated soil during loading and prevent contaminated soil being transported from the site of origin on vehicle tyres and plant and equipment.

4. Transportation
(a) Transporter to be advised of permit conditions
Prior to the removal of contaminated soil, the permit holder must provide a copy of the permit and conditions to the transporter.

(b) Load to be secured
The contaminated soil must be covered in the transportation vehicle to ensure that the contaminated soil or offensive or noxious gases are not released during transport.

(c) Cleaning of vehicles and plant equipment
An effective system must be employed for cleaning of vehicles and plant and equipment which are used to transport or handle contaminated soil which prevents release of contaminants onto any roadway or to any waters or stormwater drainage system.

(d) Spillage
Any spillage of contaminants must be cleaned up as quickly as practicable. Spillages must not be cleaned up by hosing, sweeping or otherwise releasing such contaminants or material to any stormwater drainage system, roadside gutter or waters.

5. Receival and disposal
(a) Licence conditions
The acceptance and disposal of the contaminated soil must comply with the licence conditions and the specific requirements of the disposal facility.

(b) Disposal receipts
Copies of disposal acceptance receipts are to be submitted to the Administering Authority within 10 business days of the date of disposal. The holder of, or person acting under a disposal permit, must comply with the conditions of the permit (s425 of the *Environmental Protection Act 1994*). Maximum penalty - 100 penalty units.

Released by DHP under the RTI Act 2009

Release

6. Interim storage

Contaminated soil which is temporarily stored at the site of origin or approved for storage at a separate property must be stockpiled and securely covered and/or managed to ensure that:

(a) rainwater is drained away from the stockpiles;
(b) contaminated soil is not transported from the stockpile by wind or rainwater;
(c) offensive odours or noxious gases are not release; and
(d) soil underlying the stockpiles is not affected by contamination.

A report is to be provided to the Administering Authority within 28 days of final disposal that verifies that the storage area is fully cleared of contamination.

7. Treatment of soil

(a) Licensed facility

When treatment is to be undertaken at a licensed general waste disposal facility or regulated waste treatment and disposal facility, acceptance receipts must be provided to the Administering Authority within 10 days of contaminated soil delivery. The contamination level in the soil must be reduced to a level agreed by the Administering Authority. When contaminated soil is stored at such facility pending treatment, storage is to be undertaken according to condition 6.

(b) Other treatment sites

(i) Soil remediation and validation report.

The permit holder must provide a report of the soil remediation including chemical test results that validate that the contamination has been lowered to levels agreed with the Administering Authority. The report must provide evidence that the land underlying the treatment activity is not affected by contamination.

(ii) Environmental harm.

Treatment activities must be carried out to ensure that environmental harm is not caused and that contaminants including treatment agents are not released from the site by wind, stormwater or as offensive or noxious gases. The requirements of condition 6 also apply.

(c) Final disposal

When soil contamination has been reduced to levels acceptable to the Administering Authority, the soil may be disposed of as general fill unless otherwise specified in Schedule 1. The location of the final disposal site of the soil is to be identified after treatment by written advice to the Administering Authority.

Released by DERM under the RTI Act 2009

End of Document

Bne 2007/8798
Bne 32073

s.73

From: s.73
Sent: Monday, 16 July 2007 1:46 PM
To: s.73
Cc: s.73
Subject: FW: pinkenba
Attachments: letter s.73 28-6-07.pdf

Hello s.73

Based on our conversation this morning, I request that Soil Disposal Permit BNE32073 (Shell Pinkenba Terminal - Soil Removal from bunded area) be adjusted to the volume of 80 cubic meters of material. Please find attached a copy of the acceptence letter provided by NLT. If you have any questions or issues, please contact me.

Thank you for your assistance with this project.

s.73
Project Manager (Environment)
The Shell Company of Australia Limited
PO Box 1456, Brisbane QLD 4001, Australia

Tel: +61 s.73
Email: s.73
Internet: http://www.shell.com.au

-----Original Message-----
From: s.73
Sent: Monday, 16 July 2007 1:40 PM
To: s.73 SAL-DRN/4425
Cc: s.73 SAL-DRN/4420
Subject: Re: pinkenba

s.73

amended letter as promised

Released by EHP under the RTI Act 2009

16/07/2007

NATIONAL LANDFILL TECHNOLOGIES

16 July 2007

s.73
Project Manager - [Environment]
The Shell Company of Australia Limited
PO Box 1456, Brisbane QLD 4001, Australia

RE: ACCEPTANCE FOR DISPOSAL OF SOIL AT THE BASE OIL PLANT AND SHELL PINKENBA TERMINAL

Dear s.73

Following our discussions and my review of the analytical results supplied by you, I consider we are able to accept the 80m^3 of material for disposal from your site at the Base Oil Plant and Shell Pinkenba Terminal to lined landfill..

We consider that this material falls within the acceptance criteria of NLT's EPA Licence. Our EPA licence number is DA 0143 and our lot on plan is Lot 268 on SP103913. If you require any further information please do not hesitate to contact me on s.73

Regards,

Sch4p4(6) Signature

s.73
ENVIRONMENTAL SCIENTIST

Released by EHP under the RTI Act 2009

TWIGG group
Landfill Site: 100 Chum Street, New Chum, Qld 4303
PO Box 1147, Oxley Qld 4075
Phone s.73 *Fax* *(07) 3816 3055*
ABN 49 107 505 081
WASTE MANAGEMENT SERVICES

QPI Fire Ant Approved Business
Don't Spread Fire Ants

EMR UPDATED 3/8/07 204

Queensland Government

Enquiries to: s.73
Telephone: s.73 fax (07) 3247 3278
Your reference: ENVIMURA07251EA
Our reference: BNE32073

Environmental Protection Agency
Incorporating the
Queensland **Parks and Wildlife Service**

Permit to Remove and Dispose of Contaminated Soil

Pursuant to Section 424 of the *Environment Protection Act* 1994 (EP Act) permission is given to the applicant

Dear Registry,
Please update EMR + forward for filing. Thanks,
s.73

s.73

Coffey Environments Pty Ltd
47 Doggett Street
NEWSTEAD, QLD 4006
Telephone: s.73
Fax: 07 3852 2805

to remove and dispose of soil contaminated with hydrocarbons from Shell Maroochydore Airport Facility, Friendship Avenue, MAROOCHYDORE, QLD 4558 on Lot 699 on CG3786 and described in the following correspondence:
Application for Contaminated Soil Disposal Permit dated 12 June 2007, received on 14 June 2007.
The permit holder is responsible for ensuring that all personnel involved in the excavation, removal and disposal comply with the specific and standard conditions in Schedules 1 and 2 of this permit.

Signed

Sch4p4(6) Signature

s.73

Principal Scientific Advisor (Waste and Contaminated Land Unit)
19/6/07.

Cc: EPA (Southern Region), attn: s.73 Fax: (07) 3247 3278.
Cc: Veolia Pty Ltd, attn: s.73 Fax: (07) 3275 0101.

Notice to Applicant
The conditions on this permit have been decided after consideration of the standard criteria (EP Act) and for the purpose of preventing environmental harm. The applicant may apply for a review or appeal against the decision within 10 business days of receipt of this notice (s521 and s531).

288 Edward Street Brisbane
Queensland 4000 Australia
GPO Box 2771, Brisbane Qld 4001
Telephone s.73
Facsimile (07) 3247 3278
Website www.env.qld.gov.au
ABN 87 221 158 786

Printed on 100% recycled paper

Released by EHP under the RTI Act 2009

Schedule 1 of 2 – Specific Conditions

The volume or mass of the contaminated soil shall not exceed 250 cubic metres.

The soil is to be disposed of in accordance with the disposal facility approval letter dated 22/05/2007 at Veolia Pty Ltd, Wattle Glen Landfill Facility at Hallets Road / Patrick Street and Greenwood Village Road, Redbank Plains, Qld 4031.

The soil must be disposed of between 18/06/2007 and 18/12/2008.

Other Conditions:

NIL

Released by EHP under the RTI Act 2009

Release

Schedule 2 of 2 – Standard Conditions

1. Volume / mass of contaminated soil

This permit applies to the specified volume or mass only. Any increases to the specified quantity will require a new disposal permit.

2. Disposal time period

Disposal must occur within the dates specified or a new disposal permit must be sought.

3. Excavation and loading

The holder of this disposal permit must take all reasonable precautions necessary to prevent the spillage of contaminated soil during loading and prevent contaminated soil being transported from the site of origin on vehicle tyres and plant and equipment.

4. Transportation

(a) Transporter to be advised of permit conditions

Prior to the removal of contaminated soil, the permit holder must provide a copy of the permit and conditions to the transporter.

(b) Load to be secured

The contaminated soil must be covered in the transportation vehicle to ensure that the contaminated soil or offensive or noxious gases are not released during transport.

(c) Cleaning of vehicles and plant equipment

An effective system must be employed for cleaning of vehicles and plant and equipment which are used to transport or handle contaminated soil which prevents release of contaminants onto any roadway or to any waters or stormwater drainage system.

(d) Spillage

Any spillage of contaminants must be cleaned up as quickly as practicable. Spillages must not be cleaned up by hosing, sweeping or otherwise releasing such contaminants or material to any stormwater drainage system, roadside gutter or waters.

5. Receival and disposal

(a) Licence conditions

The acceptance and disposal of the contaminated soil must comply with the licence conditions and the specific requirements of the disposal facility.

(b) Disposal receipts

Copies of disposal acceptance receipts are to be submitted to the Administering Authority within 10 business days of the date of disposal. The holder of, or person acting under a disposal permit, must comply with the conditions of the permit (s425 of the *Environmental Protection Act 1994*). Maximum penalty - 100 penalty units.

Released by EHP under the RTI Act 2009

Release

6. Interim storage

Contaminated soil which is temporarily stored at the site of origin or approved for storage at a separate property must be stockpiled and securely covered and/or managed to ensure that:

(a) rainwater is drained away from the stockpiles;
(b) contaminated soil is not transported from the stockpile by wind or rainwater;
(c) offensive odours or noxious gases are not release; and
(d) soil underlying the stockpiles is not affected by contamination.

A report is to be provided to the Administering Authority within 28 days of final disposal that verifies that the storage area is fully cleared of contamination.

7. Treatment of soil

(a) Licensed facility

When treatment is to be undertaken at a licensed general waste disposal facility or regulated waste treatment and disposal facility, acceptance receipts must be provided to the Administering Authority within 10 days of contaminated soil delivery. The contamination level in the soil must be reduced to a level agreed by the Administering Authority. When contaminated soil is stored at such facility pending treatment, storage is to be undertaken according to condition 6.

(b) Other treatment sites

(i) Soil remediation and validation report.

The permit holder must provide a report of the soil remediation including chemical test results that validate that the contamination has been lowered to levels agreed with the Administering Authority. The report must provide evidence that the land underlying the treatment activity is not affected by contamination.

(ii) Environmental harm.

Treatment activities must be carried out to ensure that environmental harm is not caused and that contaminants including treatment agents are not released from the site by wind, stormwater or as offensive or noxious gases. The requirements of condition 6 also apply.

(c) Final disposal

When soil contamination has been reduced to levels acceptable to the Administering Authority, the soil may be disposed of as general fill unless otherwise specified in Schedule 1. The location of the final disposal site of the soil is to be identified after treatment by written advice to the Administering Authority.

Released by EHP under the RTI Act 2009

End of Document

s.73

From: s.73
Sent: Tuesday, 19 June 2007 2:29 PM
To: s.73
Subject: Soil Disposal - Maroochydore Airport

s.73

As discussed, an additional reason for the request for offsite soil disposal for the soil at the Shell Maroochydore Airport Facility site, is that due to the site building and other petroleum infrastructure, the soil can not be moved anywhere else onsite, and where it is currently located is causing access issues to the site building.

Regards

s.73
Project Manager

Coffey Environments Pty Ltd
47 Doggett Street, Newstead, QLD, 4006 Australia
T (+61) s.73 M Sch4p4(6) Mobile
www.coffey.com.au

Released by EHP under the RTI Act 2009