From:"Dinesh Poudyal"Sch 2.2(a)(ii) @ampol.com.au>
Sent:16/12/2020 9:30 PM
To:"McIntyre, Sara" <Sara.McIntyre@act.gov.au>
Subject:RE: Ampol Calwell

CAUTION: This email originated from outside of the ACT Government. Do not click links or open attachments unless you recognise the sender and know the content is safe.

Hi Sara
I have advised our Property and Contracts Team to issue a copy of the EIT to the landlord.

Regards

Dinesh

Dinesh Poudyal
National Environmental Manager

Ampol Limited
2 Market St, Sydney NSW 2000
M +61 Sch 2.2(a)(ii)

Please note: My email address has recently changed to dpoudya@ampol.com.au

---

From: McIntyre, Sara <Sara.McIntyre@act.gov.au>
Sent: Wednesday, 16 December 2020 11:19 AM
To: Dinesh PoudyalSch 2.2(a)(ii) @ampol.com.au>
Subject: Ampol Calwell

OFFICIAL

Hi Dinesh,

If possible, can you please provide a copy of the EIT report to the site owner so that it can be provided to their consultant and auditor for their review?

Kind regards,

Sara McIntyre | Environment Protection Officer | Office of the Environment Protection Authority
Phone: 02 6207 2144 | Mobile Sch 2.2(a)(ii) | email: sara.mcintyre@act.gov.au
Construction, Utilties and Environment Protection | Access Canberra | ACT Government
480 Northbourne Avenue, Dickson | GPO BOX 158 | CANBERRA ACT 2601 | www.accesscanberra.act.gov.au

Please note that my work hours are Monday to Friday, 9.30 am to 2.30 pm.

immediately. You should not copy or use it for any purpose, nor disclose its contents to any other person.

CALTEX
Caltex Australia

19 December 2014

Jacqui Balazs
Contaminated Sites Officer
ACT Environmental Protection Unit
Environmental Protection & Water Regulation
GPO Box 158
Canberra ACT 2601

Dear Jacqui,

Re: Twelve-monthly groundwater monitoring at Caltex ACT Sites and site update

Enclosed herewith on CD are copies of the recent groundwater monitoring event (GME) reports for Caltex's ACT sites. The GMEs were conducted by environmental consultants Parsons Brinckerhoff (PB) in November 2014.

A list of the reports and a brief summary of the findings for each sampling event is provided below:

No.	Name	Address	Report and brief summary of findings	Author	Report Date
Out of scope					
22176	Calwell	Were St & Webber Crescent	• Groundwater Monitoring Event Concentrations of F1 fraction, TRH C_{10}-C_{40}, BTEX and lead exceeded the assessment criteria for the groundwater sample obtained from MW02. The benzene concentration reported for groundwater sampled from MW03 exceeded the assessment criteria.	PB	25/11/14
Out of scope					

Corporate Office:
Level 24
2 Market Street
Sydney NSW 2000
Mail: GPO Box 3916
Sydney NSW 2001
Telephone: (02) 9250 5000
Facsimile: (02) 9250 5742
www.caltex.com.au

NSW Banksmeadow Office:
Corner Foreshore Drive and Penrhym Road
Banksmeadow NSW 2019
Mail: PO Box 441
Matraville NSW 2036
Telephone: (02) 9250 5000
Facsimile: (02) 9695 3646

VIC/TAS/SA Newport Office:
Newport Customer Service Centre
411 Douglas Parade
Newport VIC 3015
Mail: PO Box 57
Melbourne VIC 3015
Telephone: (03) 9287 9555
Facsimile: (03) 9287 9572

QLD/NT Lytton Office:
Tanker Street (off Port Drive)
Lytton QLD 4178
Mail: PO Box 794
Wynnum QLD 4178
Telephone: (07) 3877 7333
Facsimile: (07) 3877 7464

WA Fremantle Office:
85 Bracks Street
North Fremantle WA 6159
Mail: PO Box 39
North Fremantle WA 6159
Telephone: (08) 9430 2888
Facsimile: (08) 9335 3062

Caltex Australia Petroleum Pty Ltd ABN 17 000 032 128 ACN 000 032 128

CALTEX

Caltex Australia

Out of scope

Corporate Office:
Level 24
2 Market Street
Sydney NSW 2000
Mail: GPO Box 3916
Sydney NSW 2001
Telephone: (02) 9250 5000
Facsimile: (02) 9250 5742
www.caltex.com.au

NSW Banksmeadow Office:
Corner Foreshore Drive and
Penrhym Road
Banksmeadow NSW 2019
Mail: PO Box 441
Matraville NSW 2036
Telephone: (02) 9250 5000
Facsimile: (02) 9695 3646

VIC/TAS/SA Newport Office:
Newport Customer Service Centre
411 Douglas Parade
Newport VIC 3015
Mail: PO Box 57
Melbourne VIC 3015
Telephone: (03) 9287 9555
Facsimile: (03) 9287 9572

QLD/NT Lytton Office:
Tanker Street (off Port Drive)
Lytton QLD 4178
Mail: PO Box 794
Wynnum QLD 4178
Telephone: (07) 3877 7333
Facsimile: (07) 3877 7464

WA Fremantle Office:
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North Fremantle WA 6159
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North Fremantle WA 6159
Telephone: (08) 9430 2888
Facsimile: (08) 9335 3062

Caltex Australia Petroleum Pty Ltd ABN 17 000 032 128 ACN 000 032 128

CALTEX
Caltex Australia

Out of scope

TRH – Total recoverable hydrocarbon
F1 – TRH C_6-C_{10} minus BTEX
LNAPL – light-non aqueous phase liquid
BTEX – benzene, toluene, ethylbenzene, xylene

Caltex would also like to provide you with the quarterly update for the sites (also provided in the CD).

Should you have any questions regarding the above, please feel free to contact me on (02) 9250 5862 or [redacted]@caltex.com.au.

Kind Regards,

Sch 2.2(a)(ii)

Colin Roberts
Senior Environmental Specialist
CALTEX AUSTRALIA PETROLEUM PTY LTD
Cc: Mark Heckenberg
Attachment: CD of GME reports – November 2014 sampling and quarterly site update

Our ref: PS119811-CLM-LTR-001 RevA

Your ref: Calwell (22176) SPEL sampling

By email
[redacted]@caltex.com.au

2 June 2020

Jonathan Lekawski
Senior Environmental Specialist
Caltex Australia Petroleum Pty Ltd
Level 22, 2 Market St
Sydney NSW 2000

Dear Jonathan

SPEL Puraceptor sampling at Caltex Calwell service station (Site ID 22176), December 2019

1. INTRODUCTION

Caltex Australia Petroleum Pty Ltd (Caltex) engaged WSP Australia Pty Ltd (WSP) to undertake sampling of the SPEL puraceptor outlet at the Caltex Calwell service station (Site ID 22176), located at the corner of Were Street and Webber Crescent, Calwell ACT, in accordance with the requirement in the site's Environmental Authorisation (No. 0748).

2. BACKGROUND AND ASSESSMENT CRITERIA

The SPEL puraceptor was installed on-site to act as a separator to capture any potential oil spillages and treat surface run off flows from the service station forecourt prior to discharge to the stormwater system. Quality of the discharged water is required to meet the standards specified in the ACT Environmental Protection Authority (EPA) Environmental Authorisation No. 0748, Table 2. Water Quality Standards, presented as Table 1.

Table 1 SPEL Puraceptor Water Quality Acceptance Criteria

PARAMETER	CRITERIA
pH	6-9
Suspended solids	<25 mg/L
Turbidity	<10 NTU
Oil and grease	<10 mg/L

Level 1, 121 Marcus Clarke Street
Canberra ACT 2601
PO Box 1551
Canberra ACT 2600

Tel: +61 2 6201 9600
Fax: +61 2 6201 9666
www.wsp.com

3. SAMPLING AND ANALYSIS METHODOLOGY

Sampling was carried out by a WSP environmental consultant on 8 May 2020. The gattic cover of the SPEL puraceptor outlet was removed using a gattic lifter. A disposable HDPE plastic bailer was used to collect one primary sample from the SPEL sample point.

The sample was submitted to Australian Laboratory Services Water Resources Group Pty Ltd (ALS), an accredited laboratory with the National Association of Testing Authority (NATA), for analysis of pH, suspended solids, turbidity and oil and grease.

4. RESULTS

The results are shown in Table 2 below. All parameters were below or within the acceptable range of the assessment criteria. The laboratory report is presented in Attachment A.

Table 2 Laboratory analytical results

PARAMETERS	ASSESSMENT CRITERIA	PRIMARY SAMPLE RESULTS
pH	6-9	7.16
Suspended solids	< 25 mg/L	3 mg/L
Turbidity	<10 NTU	2.5 NTU
Oil and grease	< 10 mg/L	< 1 mg/L

5. CONCLUSION

Based on the visual inspection and assessment of parameters, the outlet water quality from the SPEL puraceptor at the Caltex Calwell service station is acceptable and meets the requirements of the site's Environmental Authorisation.

If you have any questions regarding this letter, please contact the undersigned.

Yours sincerely

Sch 2.2(a)(ii)

Kate Dean
Graduate Environmental Engineer, Contaminated Land Management

Encl: Attachment A - Laboratory reports

ATTACHMENT A
LABORATORY REPORTS

ALS Water

CERTIFICATE OF ANALYSIS

Work Order	: **CA2003193**	Page	: 1 of 2
Client	: **WSP Australia Pty Limited (ABN 80 078 004 798)**	Laboratory	: ALS Water Resources Group
Contact	: Kate Dean	Contact	: Client Services
Address	: level 1 121 Marcus Clarke Street(Childers street entrance) Canberra 2600	Address	: 16B Lithgow Street Fyshwick ACT Australia 2609
Telephone	: ----	Telephone	: +61 2 6202 5404
Project	: PS119811 Caltex Calwell	Date Samples Received	: 08-May-2020 13:00
Order number	: Not provided	Date Analysis Commenced	: 08-May-2020
C-O-C number	: ----	Issue Date	: 20-May-2020 07:30
Sampler	: Kate Dean		
Site	: PS119811 Caltex Calwell		
Quote number	: ----		
No. of samples received	: 1		
No. of samples analysed	: 1		

ilac-MRA NATA

Accreditation No. 992
Accredited for compliance with
ISO/IEC 17025 - Testing

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

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

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

Signatories	*Position*	*Accreditation Category*
Clare Kennedy	Analyst	Inorganics, Fyshwick, ACT
Geetha Ramasundara	Chemistry Teamleader	Inorganics, Fyshwick, ACT

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the 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
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- **For samples collected by ALS WRG, sampling was carried out in accordance with Procedure EN67**
- Result for pH in water tested in the laboratory may be indicative only as holding time is generally not achievable.

Analytical Results

Sub-Matrix: **WATER** (Matrix: **WATER**)			*Client sample ID*	**SPEL01**	----	----	----	----
			Client sampling date / time	08-May-2020 00:00	----	----	----	----
Compound	*CAS Number*	*LOR*	*Unit*	**CA2003193-001**	--------	--------	--------	--------
				Result	----	----	----	----
EA005CA: pH								
pH	----	0.01	pH Unit	**7.16**	----	----	----	----
EA045CA: Turbidity								
Turbidity	----	0.1	NTU	**2.5**	----	----	----	----
EA025CA: Suspended Solids								
Suspended Solids (SS)	----	2	mg/L	**3**	----	----	----	----
EP020CA: Oil and Grease								
Oil and Grease	----	1	mg/L	<1	----	----	----	----

Our ref: 2020_12_04_Calwell_SPELSampling_WSP_PS119811-CLM-LTR-002 RevA

Your ref: Calwell (22176) SPEL sampling

By email
Sch 2 2(a)(ii) @ampol.com.au

4 December 2020

Jonathan Lekawski
Senior Environmental Specialist
Ampol Australia Petroleum Pty Ltd
Level 22, 2 Market St
Sydney NSW 2000

Dear Jonathan

SPEL Puraceptor sampling at Ampol Calwell service station (Site ID 22176), November 2020

1. INTRODUCTION

Ampol Australia Petroleum Pty Ltd (Ampol) engaged WSP Australia Pty Ltd (WSP) to undertake sampling of the SPEL puraceptor outlet at the Ampol Calwell service station (Site ID 22176), located at the corner of Were Street and Webber Crescent, Calwell ACT, in accordance with the requirement in the site's Environmental Authorisation (No. 0748).

2. BACKGROUND AND ASSESSMENT CRITERIA

The SPEL puraceptor was installed on-site to act as a separator to capture any potential oil spillages and treat surface run off flows from the service station forecourt prior to discharge to the stormwater system. Quality of the discharged water is required to meet the standards specified in the ACT Environmental Protection Authority (EPA) Environmental Authorisation No. 0748, Table 2. Water Quality Standards, presented as Table 1.

Table 1 SPEL Puraceptor Water Quality Acceptance Criteria

PARAMETER	CRITERIA
pH	6-9
Suspended solids	<25 mg/L
Turbidity	<10 NTU
Oil and grease	<10 mg/L

Level 1, 121 Marcus Clarke Street
Canberra ACT 2601
PO Box 1551
Canberra ACT 2600

Tel: +61 2 6201 9600
Fax: +61 2 6201 9666
www.wsp.com

3. SAMPLING AND ANALYSIS METHODOLOGY

Sampling was carried out by a WSP environmental consultant on 12 November 2020. The gattic cover of the SPEL puraceptor outlet was removed using a gattic lifter. A disposable HDPE plastic bailer was used to collect one primary sample from the SPEL sample point.

The sample was submitted to Australian Laboratory Services Water Resources Group Pty Ltd (ALS), an accredited laboratory with the National Association of Testing Authority (NATA), for analysis of pH, suspended solids, turbidity and oil and grease.

4. RESULTS

The results are shown in Table 2 below. All parameters were below or within the acceptable range of the assessment criteria. The laboratory report is presented in Attachment A.

Table 2 Laboratory analytical results

PARAMETERS	ASSESSMENT CRITERIA	PRIMARY SAMPLE RESULTS
pH	6-9	7.33
Suspended solids	< 25 mg/L	5 mg/L
Turbidity	<10 NTU	3.4 NTU
Oil and grease	< 10 mg/L	< 1 mg/L

5. CONCLUSION

Based on the visual inspection and assessment of parameters, the outlet water quality from the SPEL puraceptor at the Caltex Calwell service station is acceptable and meets the requirements of the site's Environmental Authorisation.

If you have any questions regarding this letter, please contact the undersigned.

Yours sincerely

Sch 2.2(a)(ii)

Kate Dean
Environmental Engineer, Contaminated Land Management

Encl: Attachment A - Laboratory reports

CHAIN OF CUSTODY
Water Resources Group

ABN: 94 105 060 320

Page.....of.....

Melbourne Office: 22 Dalmore Drive, Scoresby VIC 3179, Phone: 03 8756 8000, Fax: 03 9763 1862

Canberra Office: 16B Lithgow St, Fyshwick ACT 2609, Phone: 02 6202 5431, Fax: 02 6202 5452

Bendigo Office: Gate 6 Sharon St, La Trobe University, Bendigo VIC 3550, Phone: 03 5441 0700, Fax: 03 5444 5208

Geelong Office: 49 Carr St, Geelong VIC 3220, Phone: 03 5226 9249, Fax: 03 5229 0242

Wangaratta Office: 42 Faithful St, Wangaratta VIC 3676, Phone: 03 5722 2688, Fax: 03 5722 4727, Mobile: 0419 007 749

Traralgon Office 4/55 Hazelwood Rd, PO Box 1469, Traralgon VIC 3844, Phone:03 5176 4170, Fax: 03 5176 4473

Client:	Ampol			**Lab Work Order No:**	
Contact:	Kate Dean			**Project Name:**	
Address:	121 Marcus Clarke St, Canberra 2601				
Phone:		**Fax:**		**Mob:**	0435861672
Email:	**Results:** Sch 2.2(a)(ii) @gmail.com	**Invoice:**			
P/O No.:	PS119811	**Quote No.:**			
T/A Time:	**Sampler:**	Kate Dean. – Sch 2.2(a)(ii)			
Job/Proj Ref:	PS119811 – Ampol Caldwell SPEL Sampling.				

TESTS REQUIRED

Sample Point ID	Sample Description	No of Containers	Date Sampled	Time sampled	Matrix/Type	pH	Suspended solids	Turbidity	O&G
	~~Sam~~ Caldwell SPEL	1	12/11/20	15:00	W	X	X	X	X

ALS Water Resources Gr
Canberra
Work Order Reference
CA2007656
Telephone : +61 2 6202 5404

Special Instructions:

Relinquished By:	Company:	Date:	Time:	Received By:	Company	Date:	Time:
Kate Dean	WSP	15:30	12/11/20	Ben B	ALS	12/11/20	15:30

This form is for recording of sample data after prior consultation with an analyst regarding sampling procedures and does not over-ride pricing agreements, OHS requirements and our terms and conditions.

As an Occupational Health and Safety consideration, it is a requirement of ALS Water Resources Group that all samples received be undamaged and prior advice given in writing of any potential health risks.

LAB USE ONLY

TEMPERATURE: 21.2°C

Sample conditions:

Samples received undamaged [Yes/No]
Samples adequately preserved [Yes/No]
Samples within recommended holding times: [Yes/No]
Samples transported at appropriate temperature [Yes/No]

ALS Water

CERTIFICATE OF ANALYSIS

Work Order	: **CA2007656**	Page	: 1 of 2
Client	: **WSP Australia Pty Limited (ABN 80 078 004 798)**	Laboratory	: ALS Water Resources Group
Contact	: Kate Dean	Contact	: Client Services
Address	: level 1 121 Marcus Clarke Street(Childers street entrance) Canberra 2600	Address	: 16B Lithgow Street Fyshwick ACT Australia 2609
Telephone	: ----	Telephone	: +61 2 6202 5404
Project	: PS119811 - Ampol calwell SPEL Sampling	Date Samples Received	: 12-Nov-2020 15:30
Order number	: PS119811	Date Analysis Commenced	: 13-Nov-2020
C-O-C number	: ----	Issue Date	: 23-Nov-2020 16:57
Sampler	: ----		
Site	: PS119811 - Ampol calwell SPEL Sampling		
Quote number	: ----		
No. of samples received	: 1		
No. of samples analysed	: 1		

Accreditation No. 992
Accredited for compliance with
ISO/IEC 17025 - Testing

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

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

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

Signatories	*Position*	*Accreditation Category*
Clare Kennedy	Analyst	Inorganics, Fyshwick, ACT
Geetha Ramasundara	Chemistry Teamleader	Inorganics, Fyshwick, ACT

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the 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
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- **For samples collected by ALS WRG, sampling was carried out in accordance with Procedure EN67**
- Result for pH in water tested in the laboratory may be indicative only as holding time is generally not achievable.

Analytical Results

Sub-Matrix: **WATER** (Matrix: **WATER**)			*Client sample ID*	**CALWELL SPEL**	----	----	----	----
			Client sampling date / time	12-Nov-2020 15:00	----	----	----	----
Compound	*CAS Number*	*LOR*	*Unit*	**CA2007656-001**	--------	--------	--------	--------
				Result	----	----	----	----
EA005CA: pH								
pH	----	0.01	pH Unit	**7.33**	----	----	----	----
EA045CA: Turbidity								
Turbidity	----	0.1	NTU	**3.4**	----	----	----	----
EA025CA: Suspended Solids								
Suspended Solids (SS)	----	2	mg/L	**5**	----	----	----	----
EP020CA: Oil and Grease								
Oil and Grease	----	1	mg/L	<1	----	----	----	----

Our ref: 2021_06_08_22176_Calwell_PS124836-CLM-LTR-002 RevB

Your ref: Calwell (22176) SPEL sampling

By email
Sch 2.2(a)(ii) @ampol.com.au

11 June 2021

Liane Tempest-Wilson
Environmental Specialist
Ampol Australia Petroleum Pty Ltd
2 Market St
Sydney NSW 2000

Dear Liane

SPEL Puraceptor sampling at Ampol Calwell service station (Site ID 22176), May 2021

1. INTRODUCTION

Ampol Australia Petroleum Pty Ltd (Ampol) engaged WSP Australia Pty Ltd (WSP) to undertake sampling of the SPEL puraceptor outlet at the Ampol Calwell service station (Site ID 22176), located at the corner of Were Street and Webber Crescent, Calwell ACT, in accordance with the requirement in the site's Environmental Authorisation (No. 0748).

2. BACKGROUND AND ASSESSMENT CRITERIA

The SPEL puraceptor was installed on-site to act as a separator to capture any potential oil spillages and treat surface run off flows from the service station forecourt prior to discharge to the stormwater system. Quality of the discharged water is required to meet the standards specified in the ACT Environmental Protection Authority (EPA) Environmental Authorisation No. 0748, Table 2. Water Quality Standards, presented as Table 1.

Table 1 SPEL Puraceptor Water Quality Acceptance Criteria

PARAMETER	CRITERIA
pH	6-9
Suspended solids	<25 mg/L
Turbidity	<10 NTU
Oil and grease	<10 mg/L

Level 1, 121 Marcus Clarke Street
Canberra ACT 2601
PO Box 1551
Canberra ACT 2600

Tel: +61 2 6201 9600
Fax: +61 2 6201 9666
www.wsp.com

3. SAMPLING AND ANALYSIS METHODOLOGY

Sampling was carried out by a WSP environmental consultant on 27 May 2021. The Gatic cover of the SPEL puraceptor outlet was removed using a Gatic lifter. A disposable HDPE plastic bailer was used to collect one primary sample from the SPEL sample point.

The sample was submitted to Australian Laboratory Services Water Resources Group Pty Ltd (ALS), an accredited laboratory with the National Association of Testing Authority (NATA), for analysis of pH, suspended solids, turbidity and oil and grease.

4. RESULTS

The results are shown in Table 2 below. All parameters were below or within the acceptable range of the assessment criteria. The laboratory report is presented in Attachment A.

Table 2 Laboratory analytical results

PARAMETERS	ASSESSMENT CRITERIA	PRIMARY SAMPLE RESULTS - 4 MAY 2021
pH	6-9	6.62
Suspended solids	< 25 mg/L	16 mg/L
Turbidity	<10 NTU	1.6 NTU
Oil and grease	< 10 mg/L	< 1 mg/L

5. CONCLUSION

Based on the visual inspection and assessment of parameters, the outlet water quality from the SPEL puraceptor at the Ampol Calwell service station is acceptable and meets the requirements of the site's Environmental Authorisation.

If you have any questions regarding this letter, please contact the undersigned.

Yours sincerely

Yours sincerely

Sch 2.2(a)(ii)

Annabel Jeffries
Senior Environmental Scientist

Encl: Attachment A - Laboratory reports
Attachment B - Statement of Limitations

ATTACHMENT A
LABORATORY RESULTS

ALS Water

CERTIFICATE OF ANALYSIS

Work Order	: **CA2103388-AA**	Page	: 1 of 2
Amendment	: **1**		
Client	: **WSP Australia Pty Limited (ABN 80 078 004 798)**	Laboratory	: ALS Water Resources Group
Contact	: Kate Dean	Contact	: Client Services
Address	: level 1 121 Marcus Clarke Street(Childers street entrance) Canberra 2600	Address	: 16B Lithgow Street Fyshwick ACT Australia 2609
Telephone	: ----	Telephone	: +61 2 6202 5404
Project	: PS124810	Date Samples Received	: 27-May-2021 15:30
Order number	: None Provided	Date Analysis Commenced	: 02-Jun-2021
C-O-C number	: ----	Issue Date	: 09-Jun-2021 15:52
Sampler	: ----		
Site	: ----		
Quote number	: EN/008/20		
No. of samples received	: 1		
No. of samples analysed	: 1		

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

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

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

Signatories	*Position*	*Accreditation Category*
Clare Kennedy	Analyst	Inorganics, Fyshwick, ACT

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the 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
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- **For samples collected by ALS WRG, sampling was carried out in accordance with Procedure EN67**
- Amended Report - CA2103388 - Non-error amendment, client requested split reports. No change to previously reported results.
- Result for pH in water tested in the laboratory may be indicative only as holding time is generally not achievable.

Analytical Results

Sub-Matrix: **WATER** (Matrix: **WATER**)			*Sample ID*	---- Calwell - SPEL	----	----	----	----
			Sampling date / time	27-May-2021 11:25	----	----	----	----
Compound	*CAS Number*	*LOR*	*Unit*	**CA2103388-001**	--------	--------	--------	--------
				Result	----	----	----	----
EA005CA: pH								
pH	----	0.01	pH Unit	**6.62**	----	----	----	----
EA045CA: Turbidity								
Turbidity	----	0.1	NTU	**1.6**	----	----	----	----
EA025CA: Suspended Solids								
Suspended Solids (SS)	----	2	mg/L	**16**	----	----	----	----
EP020CA: Oil and Grease								
Oil and Grease	----	1	mg/L	<1	----	----	----	----

ATTACHMENT B
STATEMENT OF LIMIATIONS

Limitation Statement: Environmental Site Assessment (intrusive)

This Report is provided by WSP Australia Pty Limited (*WSP*) for Ampol Limited (*Client*) in response to specific instructions from the Client and in accordance with WSP's proposal dated January 2021 and agreement with the Client dated May 2021 (*Agreement*).

PERMITTED PURPOSE

This Report is provided by WSP for the purpose described in the Agreement and no responsibility is accepted by WSP for the use of the Report in whole or in part, for any other purpose (*Permitted Purpose*).

QUALIFICATIONS AND ASSUMPTIONS

The services undertaken by WSP in preparing this Report were limited to those specifically detailed in the Report and are subject to the scope, qualifications, assumptions and limitations set out in the Report or otherwise communicated to the Client.

Except as otherwise stated in the Report and to the extent that statements, opinions, facts, conclusion and / or recommendations in the Report (*Conclusions*) are based in whole or in part on information provided by the Client and other parties identified in the report (*Information)*, those Conclusions are based on assumptions by WSP of the reliability, adequacy, accuracy and completeness of the Information and have not been verified. WSP accepts no responsibility for the Information.

The Conclusions are reflective of the current Site conditions and cannot be regarded as absolute without further extensive intrusive investigations, outside the scope of the services set out in the Agreement and are indicative of the environmental condition of the Site at the time of preparing the Report. As a general principle, vertical and horizontal soil or groundwater conditions are not uniform. No monitoring, common or intrusive testing or sampling technique can eliminate the possibility that monitoring or testing results or samples taken, are not totally representative of soil and / or groundwater conditions encountered at the Site. It should also be recognised that Site conditions, including subsurface conditions can change with time due to the presence and concentration of contaminants, changing natural forces and man-made influences.

Within the limitations imposed by the scope of the services undertaken by WSP, the monitoring, testing (intrusive or otherwise), sampling for the preparation of this Report has been undertaken and performed in a professional manner in accordance with generally accepted practices, using a degree of skill and care ordinarily exercised by reputable environmental consultants under similar circumstances. No other warranty, expressed or implied, is made.

WSP has prepared the Report without regard to any special interest of any person other than the Client when undertaking the services described in the Agreement or in preparing the Report.

USE AND RELIANCE

This Report should be read in its entirety and must not be copied, distributed or referred to in part only. The Report must not be reproduced without the written approval of WSP. WSP will not be responsible for interpretations or conclusions drawn. This Report (or sections of the Report) should not be used as part of a specification for a project or for incorporation into any other document without the prior agreement of WSP.

WSP is not (and will not be) obliged to provide an update of this Report to include any event, circumstance, revised Information or any matter coming to WSP's attention after the date of this Report. Data reported and conclusions drawn are based solely on the information made available to WSP at the time of preparing the Report. The passage of time; unexpected variations in ground conditions; manifestations of latent conditions; or the impact of future events (including (without limitation) changes in policy, legislation, guidelines, scientific knowledge; and changes in interpretation of policy by statutory authorities); may require further investigation or subsequent re-evaluation of the Conclusions.

This Report can only be relied upon for the Permitted Purpose and may not be relied upon for any other purpose. The Report does not purport to recommend or induce a decision to make (or not make) any purchase, disposal, investment, divestment, financial

commitment or otherwise. It is the responsibility of the Client to accept (if the Client so chooses) the Conclusions and implement any recommendations in an appropriate, suitable and timely manner.

In the absence of express written consent of WSP, no responsibility is accepted by WSP for the use of the Report in whole or in part by any party other than the Client for any purpose whatsoever. Without the express written consent of WSP, any use which a third party makes of this Report or any reliance on (or decisions to be made) based on this Report is at the sole risk of those third parties without recourse to WSP. Third parties should make their own enquiries and obtain independent advice in relation to any matter dealt with or conclusions expressed in the Report.

DISCLAIMER

No warranty, undertaking or guarantee whether expressed or implied, is made with respect to the data reported or the conclusions drawn. To the fullest extent permitted at law, WSP, its related bodies, corporate and its officers, employees and agents assumes no responsibility and will not be liable to any third party for, or in relation to, any losses, damages or expenses (including any indirect, consequential or punitive losses or damages or any amounts for loss of profit, loss of revenue, loss of opportunity to earn profit, loss of production, loss of contract, increased operational costs, loss of business opportunity, site depredation costs, business interruption or economic loss) of any kind whatsoever, suffered or incurred by a third party.

Our ref: PS113523-CLM-LTR-002 RevA

Your ref: Calwell (22176) SPEL sampling

By email
Sch 2 s47(f) @caltex.com.au

13 January 2020

Jonathan Lekawski
Senior Environmental Specialist
Caltex Australia Petroleum Pty Ltd
Level 22, 2 Market St
Sydney NSW 2000

Dear Jonathan

SPEL Puraceptor sampling at Caltex Calwell service station (Site ID 22176), December 2019

1. INTRODUCTION

Caltex Australia Petroleum Pty Ltd (Caltex) engaged WSP Australia Pty Ltd (WSP) to undertake sampling of the SPEL puraceptor outlet at the Caltex Calwell service station (Site ID 22176), located at the corner of Were Street and Webber Crescent, Calwell ACT, in accordance with the requirement in the site's Environmental Authorisation (No. 0748).

2. BACKGROUND AND ASSESSMENT CRITERIA

The SPEL puraceptor was installed on-site to act as a separator to capture any potential oil spillages and treat surface run off flows from the service station forecourt prior to discharge to the stormwater system. Quality of the discharged water is required to meet the standards specified in the ACT Environmental Protection Authority (EPA) Environmental Authorisation No. 0748, Table 2. Water Quality Standards, presented as Table 1.

Table 1 SPEL Puraceptor Water Quality Acceptance Criteria

PARAMETER	CRITERIA
pH	6-9
Suspended solids	<25 mg/L
Turbidity	<10 NTU
Oil and grease	<10 mg/L

Level 1, 121 Marcus Clarke Street
Canberra ACT 2601
PO Box 1551
Canberra ACT 2600

Tel: +61 2 6201 9600
Fax: +61 2 6201 9666
www.wsp.com

3. SAMPLING AND ANALYSIS METHODOLOGY

Sampling was carried out by a WSP environmental consultant on 16 December 2019. The gattic cover of the SPEL puraceptor outlet was removed using a gattic lifter. A disposable HDPE plastic bailer was used to collect one primary sample from the SPEL sample point.

The sample was submitted to Australian Laboratory Services Water Resources Group Pty Ltd (ALS), an accredited laboratory with the National Association of Testing Authority (NATA), for analysis of pH, suspended solids, turbidity and oil and grease.

4. RESULTS

The results are shown in Table 2 below. All parameters were below or within the acceptable range of the assessment criteria. The laboratory report is presented in Attachment A.

Table 2 Laboratory analytical results

PARAMETERS	ASSESSMENT CRITERIA	PRIMARY SAMPLE RESULTS
pH	6-9	6.99
Suspended solids	< 25 mg/L	9 mg/L
Turbidity	<10 NTU	2.8 NTU
Oil and grease	< 10 mg/L	< 1 mg/L

5. CONCLUSION

Based on the visual inspection and assessment of parameters, the outlet water quality from the SPEL puraceptor at the Caltex Calwell service station is acceptable and meets the requirements of the site's Environmental Authorisation.

If you have any questions regarding this letter please contact the undersigned or Matthew Miklos (Caltex site assessment program manager – NSW/ACT) on (02) 9272 5100.

Yours sincerely

Sch 2.2(a)(ii)

Tara Stephens
Environmental Scientist, Contaminated Land Management

Encl: Attachment A - Laboratory reports

ATTACHMENT A
LABORATORY REPORTS

CHAIN OF CUSTODY

ALS Environmental

ALS Laboratory: please tick →

☐ADELAIDE 21 Burma Road Pooraka SA 5095 Ph: 08 8359 0890 E: adelaide@alsglobal.com
☐BRISBANE 32 Shand Street Stafford QLD 4053 Ph: 07 3243 7222 E: samples.brisbane@alsglobal.com
☐GLADSTONE 46 Callemondah Drive Clinton QLD 4680 Ph: 07 7471 5600 E: gladstone@alsglobal.com
☐MACKAY 78 Harbour Road Mackay QLD 4740 Ph: 07 4944 0177 E: mackay@alsglobal.com
☐MELBOURNE 2-4 Westal Road Springvale VIC 3171 Ph: 03 8549 9600 E: samples.melbourne@alsglobal.com
☐MUDGEE 27 Sydney Road Mudgee NSW 2850 Ph: 02 6372 6735 E: mudgee.mail@alsglobal.com
☐NEWCASTLE 5 Rose Gum Road Warabrook NSW 2304 Ph: 02 4968 9433 E: samples.newcastle@alsglobal.com
☐NOWRA 4/13 Geary Place North Nowra NSW 2541 Ph: 024423 2063 E: nowra@alsglobal.com
☐PERTH 10 Red Way Malaga WA 6090 Ph: 08 9209 7655 E: samples.perth@alsglobal.com
☐SYDNEY 277-289 Woodpark Road Smithfield NSW 2164 Ph: 02 8784 8555 E: samples.sydney@alsglobal.com
☐TOWNSVILLE 14-15 Desma Court Bohle QLD 4818 Ph: 07 4796 0600 E: townsville.environmental@alsglobal.com
☐WOLLONGONG 99 Kenny Street Wollongong NSW 2500 Ph: 02 4225 3125 E: portkembla@alsglobal.com

CLIENT: WSP	TURNAROUND REQUIREMENTS : (Standard TAT may be longer for some tests e.g.. Ultra Trace Organics)	☒☐ Standard TAT (List due date):	FOR LABORATORY USE ONLY (Circle)
OFFICE: Canberra		☐ Non Standard or urgent TAT (List due date):	Custody Seal Intact? Yes No N/A
PROJECT: PS113523	ALS QUOTE NO.: EN/008/18 B	COC SEQUENCE NUMBER (Circle)	Free Ice / frozen ice bricks present upon receipt? Yes No N/A
ORDER NUMBER:		COC: 1 2 3 4 5 6 7	Random Sample Temperature on Receipt: 24.1 °C
PROJECT MANAGER: Tara Stephens	CONTACT PH: Sch 2.2(a)(ii)	OF: 1 2 3 4 5 6 7	Other comment:
SAMPLER: Kate Dean	SAMPLER MOBILE: Sch 2.2(a)(ii)		
COC emailed to ALS? (~~YES~~ / NO)	EDD FORMAT (or default):		
Email Reports to: Sch 2.2(a)(ii) @wsp.com , Sch 2.2(a)(ii) @wsp.com			
Email Invoice to : Sch 2.2(a)(ii) @wsp.com ; Sch 2.2(a)(ii) @wsp.com			

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
K.Dean	[signature]		
DATE/TIME: 13/12/19	DATE/TIME: 16.12.19	DATE/TIME: 13:30	DATE/TIME:

COMMENTS/SPECIAL HANDLING/STORAGE OR DISPOSAL:

ALS USE	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 CONTAINERS	pH	Suspended solids	Turbidity	Oil and grease		
	SPEL01		W	1 plastic, 1 oil and grease amber	2	X	X	X	X		
				TOTAL	2						

ALS Water Resources Grou
Canberra
Work Order Reference
CA1908306

ninant levels,
ring specific QC

Telephone : +61 2 6202 5404

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.

SAMPLE RECEIPT NOTIFICATION (SRN)

Work Order : **CA1908306**

Client	: **WSP Australia Pty Limited (ABN 80 078 004 798)**	Laboratory	: ALS Water Resources Group
Contact	: Tara Stephens	Contact	: Client Services
Address	: level 1 121 Marcus Clarke Street(Childers street entrance) Canberra 2600	Address	: 16B Lithgow Street Fyshwick ACT Australia 2609
E-mail	: Sch 2.2(a)(ii) @wsp.com	E-mail	: ecowisecustomerservice@alsglobal.com
Telephone	: ----	Telephone	: +61 2 6202 5404
Facsimile	: ----	Facsimile	: +61 2 6202 5404
Project	: PS113523	Page	: 1 of 2
Order number	: Not Provided	Quote number	: CA2016WSPPAR0001
C-O-C number	: ----	QC Level	: NEPM 2013 B3 & ALS QC Standard
Site	:		
Sampler	: Kate Dean		

Dates

Date Samples Received	: 16-Dec-2019 13:30	Issue Date	: 16-Dec-2019
Client Requested Due Date	: 27-Dec-2019	Scheduled Reporting Date	: **27-Dec-2019**

Delivery Details

Mode of Delivery	: Undefined	Security Seal	: Not Available
No. of coolers/boxes	: 1	Temperature	: 24.1°C
Receipt Detail	:	No. of samples received / analysed	: 1 / 1

General Comments

- This report contains the following information:
  - Summary of Sample(s) and Requested Analysis
  - Requested Deliverables

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 00:00 on the date of sampling. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component

Matrix: **WATER**

Laboratory sample ID	*Client sampling date / time*	*Client sample ID*	WATER - EA005 pH	WATER - EA010 Conductivity	WATER - EA045 Turbidity	WATER - EP020 Oil and Grease
CA1908306-001	[16-Dec-2019]		✓	✓	✓	✓

Proactive Holding Time Report

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

Requested Deliverables

Accounts

- A4 - AU Tax Invoice (INV)	Email	au.accountsPayable@wsp.com

Tara Stephens

- A4 - AU Sample Receipt Notification - Environmental (WRG) (SRN)	Email	tara.stephens@wsp.com
- A4 - AU Tax Invoice (INV)	Email	tara.stephens@wsp.com
- AU Certificate of Analysis - NATA (WRG) (AU_COA_2_A4_ENV_NATA)	Email	tara.stephens@wsp.com
- Chain of Custody (CoC) (COC)	Email	tara.stephens@wsp.com
- EDI Format - ESDAT (ESDAT)	Email	tara.stephens@wsp.com
- WRG Legacy Format (XTAB_WRGLEG)	Email	tara.stephens@wsp.com

ALS Water

CERTIFICATE OF ANALYSIS

Work Order	: **CA1908306**	Page	: 1 of 2
Amendment	: **1**		
Client	: **WSP Australia Pty Limited (ABN 80 078 004 798)**	Laboratory	: ALS Water Resources Group
Contact	: Tara Stephens	Contact	: Client Services
Address	: level 1 121 Marcus Clarke Street(Childers street entrance) Canberra 2600	Address	: 16B Lithgow Street Fyshwick ACT Australia 2609
Telephone	: ----	Telephone	: +61 2 6202 5404
Project	: PS113523	Date Samples Received	: 16-Dec-2019 13:30
Order number	: Not Provided	Date Analysis Commenced	: 17-Dec-2019
C-O-C number	: ----	Issue Date	: 09-Jan-2020 16:06
Sampler	: Kate Dean		
Site	:		
Quote number	: ----		
No. of samples received	: 1		
No. of samples analysed	: 1		

Accreditation No. 992
Accredited for compliance with
ISO/IEC 17025 - Testing

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

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

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

Signatories	*Position*	*Accreditation Category*
Clare Kennedy	Analyst	Inorganics, Fyshwick, ACT
Geetha Ramasundara	Chemistry Teamleader	Inorganics, Fyshwick, ACT

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
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- **For samples collected by ALS WRG, sampling was carried out in accordance with Procedure EN67**
- Result for pH in water tested in the laboratory may be indicative only as holding time is generally not achievable.

Analytical Results

Sub-Matrix: **WATER** (Matrix: **WATER**)			*Client sample ID*	---- SPEL01	----	----	----	----
			Client sampling date / time	[16-Dec-2019]	----	----	----	----
Compound	*CAS Number*	*LOR*	*Unit*	**CA1908306-001**	--------	--------	--------	--------
				Result	----	----	----	----
EA005CA: pH								
pH	----	0.01	pH Unit	**6.99**	----	----	----	----
EA010CA: Conductivity								
Electrical Conductivity @ 25°C	----	2	µS/cm	**127**	----	----	----	----
EA045CA: Turbidity								
Turbidity	----	0.1	NTU	**2.8**	----	----	----	----
EA025CA: Suspended Solids								
Suspended Solids (SS)	----	2	mg/L	**9**	----	----	----	----
EP020CA: Oil and Grease								
Oil and Grease	----	1	mg/L	<1	----	----	----	----

Our ref: PS113523-CLM-LTR-001 RevA

27 November 2019

Dinesh Poudyal
Senior Environmental Specialist
Caltex Australia Petroleum Pty Ltd
Level 22, 2 Market St
Sydney NSW 2000

Dear Dinesh

SPEL Puraceptor sampling at Caltex Calwell service station (Site ID 22176), October 2019

1. INTRODUCTION

Caltex Australia Petroleum Pty Ltd (Caltex) engaged WSP Australia Pty Ltd (WSP) to undertake sampling of the SPEL puraceptor outlet at the Caltex Calwell service station (Site ID 22176), located at the corner of Were Street and Webber Crescent, Calwell ACT, in accordance with the requirement in the site's Environmental Authorisation (No. 0748).

2. BACKGROUND AND ASSESSMENT CRITERIA

The SPEL puraceptor was installed on-site to act as a separator to capture any potential oil spillages and treat surface run off flows from the service station forecourt prior to discharge to the stormwater system. Quality of the discharged water is required to meet the standards specified in the ACT Environmental Protection Authority (EPA) Environmental Authorisation No. 0748, Table 2. Water Quality Standards, presented as Table 1.

Table 1 SPEL Puraceptor Water Quality Acceptance Criteria

PARAMETER	CRITERIA
pH	6-9
Suspended solids	<25 mg/L
Turbidity	<10 NTU
Oil and grease	<10 mg/L

3. SAMPLING AND ANALYSIS METHODOLOGY

Sampling was carried out by a WSP environmental consultant on 29 October 2019. The road gatic cover of the SPEL puraceptor outlet was removed using a gattic lifter. A disposable HDPE plastic bailer was used to collect one primary sample and two intra-laboratory duplicate samples from the SPEL sample point.

Level 1, 121 Marcus Clarke Street
Canberra ACT 2601
PO Box 1551
Canberra ACT 2600

Tel: +61 2 6201 9600
Fax: +61 2 6201 9666
www.wsp.com

The samples were submitted to Australian Laboratory Services Water Resources Group Pty Ltd (ALS), an accredited laboratory with the National Association of Testing Authority (NATA), for analysis of pH, suspended solids, turbidity and oil and grease.

4. RESULTS

The results are shown in Table 2 below. All parameters were below or within the acceptable range of the assessment criteria. The laboratory report is presented in Attachment A.

Table 2 Laboratory analytical results

PARAMETERS	ASSESSMENT CRITERIA	PRIMARY SAMPLE RESULTS
pH	6-9	7.50
Suspended solids	< 25 mg/L	10 mg/L
Turbidity	<10 NTU	8.9 NTU
Oil and grease	< 10 mg/L	< 1 mg/L

5. CONCLUSION

Based on the visual inspection and assessment of parameters, the outlet water quality from the SPEL puraceptor at the Caltex Calwell service station is acceptable and meets the requirements of the site's Environmental Authorisation.

If you have any questions regarding this letter please contact the undersigned or Matthew Miklos (Caltex site assessment program manager – NSW/ACT) on (02) 9272 5100.

Yours sincerely

Sch 2.2(a)(ii)

Tara Stephens
Environmental Scientist
Contaminated Land Management
WSP Australia Pty Limited

Encl: Attachment A - Laboratory reports

ALS Water

CERTIFICATE OF ANALYSIS

Work Order	: **CA1906990**	Page	: 1 of 2
Client	: **WSP Australia Pty Limited (ABN 80 078 004 798)**	Laboratory	: ALS Water Resources Group
Contact	: Tara Stephens	Contact	: Client Services
Address	: level 1 121 Marcus Clarke Street(Childers street entrance) Canberra 2600	Address	: 16B Lithgow Street Fyshwick ACT Australia 2609
Telephone	: ----	Telephone	: +61 2 6202 5404
Project	: Caltex Calwell	Date Samples Received	: 29-Oct-2019 10:14
Order number	: ----	Date Analysis Commenced	: 29-Oct-2019
C-O-C number	: ----	Issue Date	: 08-Nov-2019 16:13
Sampler	: Tara Stephens		
Site	: ----		
Quote number	: ----		
No. of samples received	: 3		
No. of samples analysed	: 3		

Accreditation No. 992
Accredited for compliance with
ISO/IEC 17025 - Testing

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

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

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

Signatories	*Position*	*Accreditation Category*
Geetha Ramasundara	Chemistry Teamleader	Inorganics, Fyshwick, ACT

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
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- **For samples collected by ALS WRG, sampling was carried out in accordance with Procedure EN67**
- Result for pH in water tested in the laboratory may be indicative only as holding time is generally not achievable.

Analytical Results

Sub-Matrix: **WATER** (Matrix: **WATER**)			*Client sample ID*	---- SPEL-01	---- SPEL-QA1-A	---- SPEL-QA1	----	----
			Client sampling date / time	29-Oct-2019 09:45	29-Oct-2019 09:45	29-Oct-2019 09:45	----	----
Compound	*CAS Number*	*LOR*	*Unit*	**CA1906990-001**	**CA1906990-002**	**CA1906990-003**	--------	--------
				Result	Result	Result	---	---
EA005CA: pH								
pH	----	0.01	pH Unit	**7.50**	**7.51**	**7.51**	----	----
EA045CA: Turbidity								
Turbidity	----	0.1	NTU	**8.9**	**9.9**	**9.2**	----	----
EA025CA: Suspended Solids								
Suspended Solids (SS)	----	2	mg/L	**10**	**11**	**8**	----	----
EP020CA: Oil and Grease								
Oil and Grease	----	1	mg/L	<1	<1	<1	----	----

CALTEX
Caltex Australia

ACT EPA Reference: Environmental Authorisation No. 0748

Jacqui Balazs
Environment Protection Officer
Environmental Protection Authority
GPO Box 158
Canberra ACT 2601

5 February 2015

Dear Ms Balazs,

Variation request to Environmental Authorisation No. 0748 - Caltex Calwell Service Station, 1 Webber Crescent, Calwell ACT 2905

Caltex Australia Petroleum Pty Ltd (Caltex) is writing to request a variation to clauses in the Environmental Authorisation No. 0748 for the Caltex Calwell service station located on 1 Webber Crescent, Calwell ACT 2905.

a. Maintenance of plant and equipment

The maintenance schedule in the Environmental Management Plan (EMP) outlines what maintenance is proposed to be carried out and the frequency with which this occurs, in relation to the system generally and in relation to the various gauges, indicators and measuring instruments.

Currently, the environmental authorisation states that *"Records of all maintenance and repairs on all plant and equipment including drainage systems, interceptors, separators and infrastructure shall be kept on site for a period of seven (7) years and made available to the Authority on request."*

Records of maintenance and repairs are not retained onsite but are kept on the server located at Caltex Head Office, 2 Market Street, Sydney NSW. Caltex request a variation to clause 3.2 to reflect the current practices for records storage.

b. Monitoring requirements

Currently, the environmental authorisation states that *"Groundwater monitoring bores must be sampled and analysed bi-annually for the parameters set out in Schedule 2, Table 4."* Caltex request clause 18.1 of the authorisation is amended to reflect the updated Environmental Guidelines for Service Station Sites and Hydrocarbon Storage (January 2014) requirement namely:

- Groundwater monitoring to be undertaken annually. Groundwater samples will be analysed for the following groundwater monitoring parameters: pH, total petroleum

Corporate Office:
Level 24
2 Market Street
Sydney NSW 2000
Mail: GPO Box 3916
Sydney NSW 2001
Telephone: (02) 9250 5000
Facsimile: (02) 9250 5742
www.caltex.com.au

NSW Banksmeadow Office:
Corner Foreshore Drive and Penrhym Road
Banksmeadow NSW 2019
Mail: PO Box 441
Matraville NSW 2036
Telephone: (02) 9250 5000
Facsimile: (02) 9695 3646

VIC/TAS/SA Newport Office:
Newport Customer Service Centre
411 Douglas Parade
Newport VIC 3015
Mail: PO Box 57
Melbourne VIC 3015
Telephone: (03) 9287 9555
Facsimile: (03) 9287 9572

QLD/NT Lytton Office:
Tanker Street (off Port Drive)
Lytton QLD 4178
Mail: PO Box 794
Wynnum QLD 4178
Telephone: (07) 3877 7333
Facsimile: (07) 3877 7464

WA Fremantle Office:
85 Bracks Street
North Fremantle WA 6159
Mail: PO Box 39
North Fremantle WA 6159
Telephone: (08) 9430 2888
Facsimile: (08) 9335 3062

Caltex Australia Petroleum Pty Ltd ABN 17 000 032 128 ACN 000 032 128

hydrocarbon C_6-C_9 and C_{10}-C_{40}, benzene, toluene, ethyl benzene, o-xylene, m and p-xylene, ethanol and lead. Caltex have elected that the annual groundwater monitoring be undertaken using HydraSleeve™ "no-purge" groundwater sampling.

- Groundwater testing (gauging using an interface probe) for the presence of hydrocarbons to be undertaken every six months.
- The groundwater parameters and criteria outlined in Schedule 2 Table 4 of the Environmental Authorisation be updated to reflect Table 1 groundwater monitoring parameters and criteria in the Environmental Guidelines for Service Station Sites and Hydrocarbon Storage (January 2014).

Following notification from the EPA of the amendments made to the Environmental Authorisation No. 0748 an updated EMP to reflect the changes will be submitted to the EPA for review.

Should you have any questions regarding the above, please feel free to contact me on (02) 9250 5339 or Sch 2.2(a)(ii) [redacted] @caltex.com.au.

Kind Regards,

Sch 2.2(a)(ii) [redacted]

Oliver King
Senior Environmental Specialist – Eastern Region (NSW/ACT/QLD/NT)
CALTEX AUSTRALIA PETROLEUM PTY LTD

CMTEDD INTERNAL MINUTE

ACT Government

Chief Minister, Treasury and Economic Development

Date	5 August 2019	File No: EA 0748
To	Environment Protection Authority	
From	Manager, Environment Regulation 6/8/19	
Subject	Variation of Environmental Authorisation No 0748 – Caltex Petroleum Pty Ltd	

Critical date and reason

1. Routine.

Recommendations

2. That you:
   - Approve and sign the varied Environmental Authorisation No. 0748 (Attachment B); and
   - Sign the attached letter (Attachment C).

Narelle Sargent Sch 2.2(a)(ii) ..... 6/8 /2019

AGREED/NOT AGREED/NOTED/PLEASE DISCUSS

Background

1. Caltex Petroleum Pty Ltd (Caltex) holds Environmental Authorisation EA No. 0748 (EA 0748) for the operation of a facility designed to store more than 50m^3 of petroleum products at Block 8, Section 787, Calwell.

2. Caltex is opening a new service station at [redacted] on 8 August 2019. Caltex contacted the Environment Protection Authority (the Authority) on 1 August 2019 to seek advice on applying for an Environmental Authorisation. On this date, Caltex was advised that there is a 15-day public notification period for new applications for Environmental Authorisations. Caltex was also advised that they could not store petroleum products at this site until an Environmental Authorisation was granted.

3. Generally an Environmental Authorisation is site specific. Caltex already holds 10 Environmental Authorisations for its sites across the ACT. To allow Caltex to open the new service station as scheduled, the Authority agreed that an existing Environmental Authorisation could be temporarily varied to include the new site.

4. On 2 August 2019, the Authority received a request from Caltex to vary EA 0748 to include [redacted] as an approved location to store petroleum products (Attachment A).

Issues

5. Caltex applied for a new Environmental Authorisation for the [redacted] site on 2 August 2019. Once this Environmental Authorisation is granted, Caltex will need to request a variation to EA 0748 to remove the [redacted] site.

Consultation

6. Nil response.

Work Health and Safety

7. Nil response.

Financial

8. Nil response.

Risks/ Sensitivities

9. Nil response.

Media

10. Nil response.

Sch 2.2(a)(ii)

Action Officer: Sara McIntyre

Phone: 6207 2144

ACT Government

Chief Minister, Treasury and Economic Development

Mr Dinesh Poudyal
Senior Environmental Specialist – Eastern Region (NSW/ACT/QLD/NT)
Caltex Australia Petroleum Pty Ltd
GPO Box 3916
SYDNEY NSW 2001

Dear Mr Poudyal

I refer to your request received on 2 August 2019 to vary Environmental Authorisation No. 0748 (EA 0748) to include Out of scope as an approved location to store petroleum products.

The Environmental Authorisation has been varied and a copy of EA 0748 is enclosed for your records. Pursuant to Section 136 of the *Environment Protection Act 1997* the decision to vary an Environmental Authorisation under Section 60(1) of the Act is a reviewable decision. Please refer to the attached notes.

It is noted that an Application for an Environmental Authorisation was submitted to the Environment Protection Authority on 2 August 2019 for the Out of scope Once this Environmental Authorisation is granted, Caltex will need to submit a written request to vary EA 0748 to remove this site.

Should you wish to discuss this matter further please contact Sara McIntyre on (02) 6207 2144 or email sara.mcintyre@act.gov.au.

Yours sincerely

Sch 2.2(a)(ii)

Narelle Sargent
Environment Protection Authority

6 August 2019

ACT Government

Chief Minister, Treasury and Economic Development

Authorisation No. 0748

AUSTRALIAN CAPITAL TERRITORY

ENVIRONMENTAL AUTHORISATION UNDER THE ENVIRONMENT PROTECTION ACT 1997

Note: This is a variation of the environmental authorisation granted 19 October 2011 and subsequent variations dated 3 May 2016 and 8 January 2019.

The Environment Protection Authority (the Authority), pursuant to section 49(1)(a) of the *Environment Protection Act 1997* (the Act), hereby authorises:

Name:	**Caltex Petroleum Pty Ltd**
ABN:	**11 000 007 876**
ACN:	**000 007 876**
Street:	**1 Webber Crescent**
Suburb:	**Calwell**
Postcode:	**2905**

to conduct the following activity/activities:

The operation of a facility designed to store more than 50m^3 of petroleum products;

On:	Block:	**8**		Block:	Out of scope
	Section:	**787**	AND	Section:	
	Suburb:	**Calwell**		Suburb:	

subject to the conditions set out in **Schedules 1 and 2** for an unlimited period or until earlier surrendered by **Caltex Petroleum Pty Ltd** or cancelled or suspended by the Authority.

This is a **standard** environmental authorisation.

Sch 2.2(a)(ii) .....

Environment Protection Authority

Dated this 6 day of August 2019

SCHEDULE 1: GENERAL CONDITIONS

Definitions

Controlled Waste: as defined in the *National Environment Protection Measure (Movement of Controlled Waste between States and Territories) Measure.*

Groundwater Monitoring Bores: are the bores identified in the Environment Management Plan required under Section 17 of this schedule (the Environment Management Plan will detail any existing or proposed bores on individual sites).

Operation: includes the delivery, storage and dispensing of petroleum products.

Plant and Equipment: includes drainage systems, infrastructure and pollution control equipment associated with the delivery, storage and dispensing of petroleum products.

Regulated Waste: as defined in Schedule 1, Section 1.1A of the *Environment Protection Act 1997.*

Site: Block 8, Section 787, Calwell and Out of scope

Stormwater Improvement Device: a device capable of meeting the specifications for Class 1 separators outlined in BS EN 858-1 Separator systems for light liquids (e.g. oil and petrol) – Part 1: Principles of product design, performance and testing, marking and quality control.

Stormwater System: as defined in Schedule 1, Section 1.1 of the *Environment Protection Act 1997.*

Waterway: as defined in Schedule 1, Section 1.1 of the *Environment Protection Act 1997.*

Working day: a day other than a Saturday, or Sunday, a public holiday or a day that is a holiday for public servants.

1. Compliance with Environmental Authorisation

The Authorisation holder shall:

a) comply with any Authorisation condition immediately where no time for compliance is stated;

b) notify the Authority in writing within 2 working days of becoming aware of:

   i. any event that causes, or is likely to cause, any Authorisation condition to be exceeded; or

   ii. any monitoring data that show that a condition of the Authorisation has been exceeded.

2. Activities must be carried out to protect the environment

2.1 All activities carried out on the site shall be carried out in such a manner that adverse impact on the environment is minimised.

3. Maintenance of plant and equipment

3.1 All plant and equipment installed or used in or on the site shall be maintained in a safe and good condition and in accordance with manufacturer's recommendations.

3.2 Records of all maintenance and repairs performed on all plant and equipment including drainage systems, interceptors, separators and infrastructure shall be kept on the server located at Caltex Head Office for a period of seven (7) years and made available to the Authority on request.

4. Environmental practices

4.1 The Authorisation holder shall minimise emissions to the environment by adopting the practices set out in **Schedule 2.**

5. Compliance with Australian Standards, Industry Codes of Practice and Policies

5.1 The Authorisation holder shall comply with the provisions of the following Australian Standards, Guidelines, Industry Codes of Practice and Policies provided such provisions are not in conflict with the conditions in this Authorisation, and the provisions of any policies made by the Authority.

- ACT Environmental Guidelines for Service Station Sites and Hydrocarbon Storage.
- AS 1940 – The Storage and Handling of Flammable and Combustible Liquids.
- AS 2520 – Petroleum Measurement Tables.
- AS 4897 – The Design, Installation and Operation of Underground Petroleum Storage Systems.
- AS 4976 – The Removal and Disposal of Underground Petroleum Storage Tanks.
- AS 2832 – Cathodic Protection of Metals.
- Environment Protection Policies prepared under the *Environment Protection Act 1997*.

6. Fuel storage

6.1 Where there are fuel storage tanks on the site the Authorisation holder shall ensure the tanks and associated pipe work are maintained in good condition. The proposed method of demonstrating the integrity of the tanks and associated pipe should be incorporated into the Authorisation holder's Environment Management Plan required under Section 17 of this schedule.

6.2 Further to the provisions of section 6.1, special requirements are applied to the abandonment of any aboveground or underground tanks and should the need arise, the Authorisation holder agrees to contact the Authority and:

Access Canberra
Dangerous Substances Licensing
Telephone: 13 22 81
Email: dangeroussubstances@act.gov.au
Postal address: GPO Box 158, Canberra ACT 2601

7. Reporting of environmental harm

7.1 In the event that an incident has caused, is causing or is likely to cause material or serious environmental harm, whether the harm occurs on or off the site, the Authorisation holder, their employee or agent shall report the incident to the Authority immediately after it becomes known to the Authorisation holder or to their employee or agent in accordance with clause 7.2.

7.2 The incident shall be reported to the Authority by telephoning Access Canberra on 13 22 81 during and outside business hours.

7.3 The Authorisation holder shall notify the Authority in accordance with clause 7.2 immediately after becoming aware that land is contaminated in such a way as to present, or to be likely to present –

a) a significant risk of harm to human health: or
b) a risk of material environmental harm or serious environmental harm

For the purposes of this section, the presence of phase separated hydrocarbon in groundwater constitutes material or serious environmental harm.

7.4 The Authorisation holder, their employee or agent shall also report an incident referred to in clause 7.1 and/or clause 7.3, in writing to the Authority within 2 working days of the incident occurring or becoming aware of contamination of land. The report must include:

a) incident or activity that has caused contamination or environmental harm;
b) nature of contamination and chemicals of concern;
c) area affected (on or off site);
d) aspects of the environment affected;
e) any planned assessment or remediation; and
f) any other relevant information.

The report may be provided by email to environment.protection@act.gov.au

7.5 The Authorisation holder shall keep a record of all other incidents in relation to pollution from, or on, the site. These records are to be provided, on request, to the Authority.

8. Record of pollution complaints

8.1 The Authorisation holder shall keep a record of all complaints received by its employees or its agents, in relation to pollution from, or on, the site. This record is to be provided, on request, to the Authority.

9. Record of activity levels

N/A.

10. Records to be maintained

10.1 The following records will be maintained and kept by the Authorisation holder for a period of seven (7) years:

a) all incidents which has affected, is affecting or could affect the integrity of the storage system;
b) field sampling record sheets and chain-of-custody forms;
c) results of environmental monitoring including surface and groundwater;
d) reconciliation records for all fuels and oils utilised and stored on site; and
e) a legible record of all complaints received by its employees or by its agents in relation to pollution associated with the activities.

10.2 The following records will be maintained and kept by the Authorisation holder for a period of one (1) year:

a) waste disposal certificates for any regulated or controlled wastes disposed off-site.

11. Responsible employees

11.1 The Authorisation holder shall authorise at least two senior employees or agents:

a) to speak on behalf of the Authorisation holder; and
b) to provide any information or document required under this Authorisation.

11.2 The Authorisation holder shall inform the Authority of the names and telephone numbers (including after hours numbers) of those persons within five (5) working days of this Authorisation coming into force. The details may be provided by email to environment.protection@act.gov.au.

11.3 The Authorisation holder shall inform the Authority of any change in the information provided under this condition within five (5) working days of the change. The details may be provided by email to environment.protection@act.gov.au.

11.4 Any person nominated by the Authorisation holder to meet the requirements of this condition shall be readily contactable on the person's nominated telephone numbers.

12. Authorisation shall be kept at the site

12.1 A copy of this Authorisation shall be kept at the site and shall be available for inspection by any employee or agent of the Authorisation holder working at the site.

13. Waste

13.1 No waste material is to be incinerated on site.

13.2 The Authorisation holder shall use licensed waste transporters to transport controlled and regulated wastes. Information on Controlled Waste handling and transport can be obtained from the Authority on 13 22 81.

14. Hazardous materials

14.1 The Authorisation holder shall store and manage hazardous materials in a manner that prevents adverse impacts on the environment. The handling and storage of hazardous materials must be addressed in the Environment Management Plan required under section 17 of this schedule.

15. Discharge of stormwater

15.1 There should be no discharge from the site to a waterway.

15.2 There should be no dry weather discharges from the site to the stormwater system, except from the outlet of a stormwater improvement device.

16. New designs and innovations

16.1 The provisions of this Authorisation are not intended to limit the appropriate use of alternative materials, equipment, designs, or methods because they are not included.

17. Environment Management Plan

17.1 The Authorisation holder shall prepare and submit an Environment Management Plan (EMP) acceptable to the Authority within three (3) months of the date of this Authorisation.

17.2 The EMP should identify all activities that may have an adverse impact on the environment or the potential to cause environmental harm, and detail the mechanisms employed to prevent or minimise the impact of these activities. If required, the ways in which the conduct of the activity will be altered to minimise or reduce the adverse environmental impact of the activity is to be detailed including a timetable for implementation.

17.3 The EMP, once accepted by the Authority is to be implemented. It will also form the basis for future Authorisation conditions and environmental improvements.

17.4 A copy of the EMP must be kept on the site.

17.5 Where the mechanisms employed to prevent or minimise the adverse environmental impacts of the activity or the way in which the activity is carried out varies substantially from that detailed in the endorsed EMP, a revised EMP must be submitted.

18. Monitoring requirements

18.1 Surface Water Monitoring

a) Discharge to the stormwater system from the stormwater improvement device shall be monitored biannually for the parameters set out in Schedule 2, Table 2, condition 2.

18.2 Groundwater Monitoring

a) Groundwater monitoring bores must be tested (visual assessment or interface probes and/or gauges) biannually for the presence of hydrocarbons.

b) Groundwater monitoring bores must be sampled and analysed annually for the parameters set out in Schedule 2, Table 4.

c) New groundwater monitoring bores must be sampled and analysed within 30 days for the parameters set out in Schedule 2, Table 4 after commissioning of installation.

d) Groundwater monitoring bores must be sampled and analysed as soon as practicable for the parameters set out in Schedule 2, Table 4 after:

   i. the discovery that the groundwater may be contaminated by petroleum; and

   ii. the discovery (whether through the loss monitoring procedure for the system or otherwise) that the system has a leak.

e) Sampling of bores shall be in accordance with the Groundwater Sampling Guidelines, Victorian Environment Protection Authority, Publication 669, April 2000.

18.3 Loss Detection Monitoring

a) As soon as practicable after becoming aware of any discrepancy detected by the loss monitoring procedure for a storage system, action must be taken:

   i. to investigate the discrepancy, and

   ii. if the discrepancy cannot be attributed to anything other than a leak, to confirm the existence of a leak, and

   iii. if the existence of a leak is confirmed, to identify the source of the leak and to fix the leak.

b) Details of any action taken under this clause must be recorded.

19. Water quality standards

19.1 The Authority must be notified of any exceedence of the groundwater parameters set in Schedule 2, Table 4 as detailed in Section 7.4.

19.2 The Authority must be notified of any exceedance of the parameters set in Schedule 2, Table 2, condition 2.

20. Reporting requirements

20.1 A copy of the surface water monitoring results must be forwarded to the Authority within 10 working days of receiving the results.

20.2 A copy of any environmental site assessment that is, or has been, carried out on the site must be forwarded to the Authority within three (3) months of this authorisation coming into force and/or within thirty (30) working days of receipt of new reports.

20.3 Monitoring and testing results or reports may be provided to the Authority by email to environment.protection@act.gov.au.

21. Sampling requirements

20.1 All sample collection, analysis and associated paperwork under this Authorisation shall be conducted in accordance with Australian Standard/New Zealand Standard 5667.1:1998, *"Guidance on the design of sampling programs, sampling techniques and the preservation and handling of samples"*, and with the American Public Health Association, American Water Works Association, and the Water Pollution Control Federation *Standard Methods for the Examination of Water and Wastewater,* 18th Edition, 1989, or other standards and methods agreed to by the Authority.

21.2 The sample collection shall be undertaken and documented by a suitably qualified person in accordance with clause 21.1. All required documentation shall be countersigned by a person authorised under clause 11.1 and shall be made available for inspection by the Authority. Sample analysis of parameters shall be conducted by a person employed as an analyst in any of the following organisations:

a) a Government laboratory;
b) an Australian university;
c) a laboratory where Authorisation parameters are accredited by the National Association of Testing Authorities; or
d) a laboratory approved by the Environment Protection Authority.

22. Provision of records

22.1 The Authorisation holder must provide any records required to be maintained under this Authorisation to the Authority upon request.

SCHEDULE 2

TABLE 1: AIR POLLUTION

Accessories/ Equipment/ Station	Requirement
Trafficked areas	Pave, seal or otherwise treat and maintain all trafficked areas within site to prevent or minimise the generation of airbourne dust.
Fuel tanks vapour venting	Take practical measures to ensure vents are not blocked. Venting vapours must not impact adjoining premises.
Refuelling	Take practical measures to ensure vapour recovery equipment is fitted and operated during fuel deliveries. Fuel deliveries must take place within the noise levels specified in Schedule 2, Table 3.

TABLE 2: WATER POLLUTION

Requirement	
1	Manage the water catchment on the site so that drainage from the fuel dispensing zones, tank fill points and other areas of the site which have the potential to generate waste are isolated from the stormwater system and directed to the sewer system (with ICON Water approval) or directed to an appropriately sized stormwater improvement device. Only areas where no waste generating activities occur are permitted to drain to the stormwater system.
2	Discharges from areas identified in condition 1 above are only permitted from the outlet of the stormwater improvement device when the water quality meets the standards detailed below for pH, oil and grease and suspended solids or turbidity. **Water Quality Standards** **Parameter** — **Criteria** pH — 6 - 9 Suspended solids — <25mg/L Turbidity — <10 NTU Oil and grease — <10mg/L
3	The stormwater improvement device must be maintained in accordance with the manufacturer's specifications.

TABLE 3: NOISE POLLUTION

Requirement
Shall manage the operations at the site so that noise levels do not exceed the following levels at any point on the boundary of the site Mon – Saturday 7 am to 10pm - 55 dB(A) 10pm to 7am – 45 dB(A) Sunday and Public Holidays 8 am to 10 pm - 55 dB(A) 10pm to 8am - 45 dB(A) The noise standard specified is in accordance with the Environment Protection Regulation 2005 (for specific noise zones refer to: www.legislation.act.gov.au).

TABLE 4: GROUNDWATER PARAMETERS

Parameter - Water	Criteria
Depth to water	-
pH	6.5 – 8.5
Total Petroleum Hydrocarbons $C_6 – C_9$ $C_{10} – C_{40}$	 No criterion set at this time 600µg/L
BTEX (Total) Benzene Toluene Ethyl Benzene Xylenes o-xylene m and p-xylene	 950µg/L 300µg/L 140µg/L 350µg/L 200µg/L
Ethanol	1400µg/L
Lead (Total)	3.4µg/L

1. All analysis for organic and inorganic substances must be for total concentrations unless detailed otherwise.

ACT Government

Chief Minister, Treasury and Economic Development

Mr Dinesh Poudyal
Senior Environmental Specialist – Eastern Region (NSW/ACT/QLD/NT)
Caltex Petroleum Pty Ltd6 Barrier Street
FYSHWICK ACT 2609

Dear Mr Poudyal,

I refer to Environmental Authorisation No. 0748 (EA 0748), granted to Caltex Petroleum Pty Ltd for the operation of a facility designed to store more than 50m^3 of petroleum products at Block 8, Section 787, Calwell.

The Environment Protection Authority (the Authority) has received notification from the lessee of the site that a stormwater improvement device has recently been installed. As such, the Authority is proposing to vary EA 0748 to include the standard conditions relating to the operation, maintenance and sampling of the stormwater improvement device.

The proposed changes relate to Schedule 1, Conditions 15, 18, 19 and 20, and Schedule 2, Table 2. Due to the number of changes, a copy of the draft Authorisation has been enclosed for your review.

Under Section 62 of the *Environment Protection Act 1997* the Authority must provide written notice of the proposed variations to Caltex Petroleum Pty Ltd and provide ten (10) working days to submit written comments before the EA can be varied.

Should you wish to provide written comments please email them to environment.protection@act.gov.au by close of business Wednesday 19 December 2018. The Authority will consider any submissions before issuing the varied EA.

It should also be noted that the Environment Management Plan (EMP) will need to be updated to include details of the stormwater improvement device. A revised EMP should be provided to the Authority within 8 weeks of the date of this letter.

Should you wish to discuss this matter further please contact Sara McIntyre on (02) 6207 2144 or email sara.mcintyre@act.gov.au.

Yours sincerely

Sch 2.2(a)(ii)

Rodney Dix
Manager, Environment Regulation

30 November 2018

ACT Government

Chief Minister, Treasury and Economic Development

Authorisation No. 0748

AUSTRALIAN CAPITAL TERRITORY

ENVIRONMENTAL AUTHORISATION UNDER THE ENVIRONMENT PROTECTION ACT 1997

Note: This is a variation of the environmental authorisation granted 19 October 2011 and subsequent variation dated 3 May 2016.

The Environment Protection Authority (the Authority), pursuant to section 49(1)(a) of the *Environment Protection Act 1997* (the Act), hereby authorises:

Name:	**Caltex Petroleum Pty Ltd**
ABN:	**11 000 007 876**
ACN:	**000 007 876**
Street:	**1 Webber Crescent**
Suburb:	**Calwell**
Postcode:	**2905**

to conduct the following activity/activities:

The operation of a facility designed to store more than 50m^3 of petroleum products;

On:	Block:	**8**
	Section:	**787**
	Suburb:	**Calwell**

subject to the conditions set out in **Schedules 1 and 2** attached, for an unlimited period or until earlier surrendered by **Caltex Petroleum Pty Ltd** or cancelled or suspended by the Authority.

This is a **standard** environmental authorisation.

Sch 2.2(a)(ii)

.....

Environment Protection Authority

Dated this 8th day of January 2019

SCHEDULE 1: GENERAL CONDITIONS

Definitions

Controlled Waste: as defined in the *National Environment Protection Measure (Movement of Controlled Waste between States and Territories) Measure.*

***Groundwater Monitoring Bores*:** are the bores identified in the Environment Management Plan required under Section 17 of this schedule (the Environment Management Plan will detail any existing or proposed bores on individual sites).

Operation: includes the delivery, storage and dispensing of petroleum products.

Plant and Equipment: includes drainage systems, infrastructure and pollution control equipment associated with the delivery, storage and dispensing of petroleum products.

Regulated Waste: as defined in Schedule 1, Section 1.1A of the *Environment Protection Act 1997.*

Site: Block 8, Section 787, Calwell

Stormwater Improvement Device: a device capable of meeting the specifications for Class 1 separators outlined in BS EN 858-1 Separator systems for light liquids (e.g. oil and petrol) – Part 1: Principles of product design, performance and testing, marking and quality control.

Stormwater System: as defined in Schedule 1, Section 1.1 of the *Environment Protection Act 1997.*

Waterway: as defined in Schedule 1, Section 1.1 of the *Environment Protection Act 1997.*

Working day: a day other than a Saturday, or Sunday, a public holiday or a day that is a holiday for public servants.

1. Compliance with Environmental Authorisation

The Authorisation holder shall:

a) comply with any Authorisation condition immediately where no time for compliance is stated;

b) notify the Authority in writing within 2 working days of becoming aware of:

   i. any event that causes, or is likely to cause, any Authorisation condition to be exceeded; or

   ii. any monitoring data that show that a condition of the Authorisation has been exceeded.

2. Activities must be carried out to protect the environment

2.1 All activities carried out on the site shall be carried out in such a manner that adverse impact on the environment is minimised.

3. Maintenance of plant and equipment

3.1 All plant and equipment installed or used in or on the site shall be maintained in a safe and good condition and in accordance with manufacturer's recommendations.

TABLE 3: NOISE POLLUTION

Requirement
Shall manage the operations at the site so that noise levels do not exceed the following levels at any point on the boundary of the site Mon – Saturday 7 am to 10pm - 55 dB(A) 10pm to 7am – 45 dB(A) Sunday and Public Holidays 8 am to 10 pm - 55 dB(A) 10pm to 8am - 45 dB(A) The noise standard specified is in accordance with the Environment Protection Regulation 2005 (for specific noise zones refer to: www.legislation.act.gov.au).

TABLE 4: GROUNDWATER PARAMETERS

Parameter - Water	**Criteria**
Depth to water	-
pH	6.5 – 8.5
Total Petroleum Hydrocarbons $C_6 – C_9$ $C_{10} – C_{40}$	 No criterion set at this time 600µg/L
BTEX (Total) Benzene Toluene Ethyl Benzene Xylenes o-xylene m and p-xylene	 950µg/L 300µg/L 140µg/L 350µg/L 200µg/L
Ethanol	1400µg/L
Lead (Total)	3.4µg/L

1. All analysis for organic and inorganic substances must be for total concentrations unless detailed otherwise.

CMTEDD INTERNAL MINUTE

ACT Government

Chief Minister, Treasury and Economic Development

Date	16 September 2019	File No: EA 0748
To	Environment Protection Authority	
From	Manager, Environment Protection 17/7/19	
Subject	Variation of Environmental Authorisation No. 0748 – Caltex Petroleum Pty Ltd	

Critical date and reason

1. Routine.

Recommendations

2. That you:
   - Approve and sign the varied Environmental Authorisation No. 0748 (Attachment B); and
   - Sign the attached letter (Attachment C).

Narelle Sargent .. Sch 2.2(a)(ii) ..... 17 / 9 /2019

AGREED/NOT AGREED/NOTED/PLEASE DISCUSS

Background

1. Caltex Petroleum Pty Ltd (Caltex) holds Environmental Authorisation No. 0748 (EA 0748) for the operation of a facility designed to store more than 50m^3 of petroleum products at Block 8, Section 787, Calwell.

2. EA 0748 was varied on 6 August 2019 to include Out of scope as an approved location to store petroleum products. This was to allow Caltex to open the new service station at the Out of scope site as scheduled, as Caltex was not aware that there was a 15-day public notification period for new applications for Environmental Authorisations.

3. On 15 September 2019, the Authority received a request from Caltex to vary EA 0748 to Out of scope as an approved location to store petroleum products (Attachment A).

Issues

4. A new Environmental Authorisation (EA No. 1212) was granted on 4 September 2019 to allow petroleum products to be stored on Out of scope

Consultation

5. Nil response.

Work Health and Safety

6. Nil response.

Financial

7. Nil response.

Risks/ Sensitivities

8. Nil response.

Media

9. Nil response.

Action Officer: Sara McIntyre
Phone: 6207 2144

ACT Government
Chief Minister, Treasury and Economic Development

Mr Dinesh Poudyal
Senior Environmental Specialist – Eastern Region (NSW/ACT/QLD/NT)
Caltex Australia Petroleum Pty Ltd
GPO Box 3916
SYDNEY NSW 2001

Dear Mr Poudyal

I refer to your request received on 15 September 2019 to vary Environmental Authorisation No. 0748 (EA 0748) to remove Out of scope as an approved location to store petroleum products.

It is noted that a new Environmental Authorisation (EA No. 1212) was granted on 4 September 2019 to allow petroleum products to be stored on Out of scope Out of scope

The Environmental Authorisation has been varied and a copy of EA 0748 is enclosed for your records. Pursuant to Section 136 of the *Environment Protection Act 1997* the decision to vary an Environmental Authorisation under Section 60(1) of the Act is a reviewable decision. Please refer to the attached notes.

Should you wish to discuss this matter further please contact Sara McIntyre on (02) 6207 2144 or email sara.mcintyre@act.gov.au.

Yours sincerely

Sch 2.2(a)(ii)

Narelle Sargent
Environment Protection Authority

17 September 2019

REVIEW OF DECISION NOTICE

Further information about this decision may be obtained by contacting the Environment Protection Authority.

Decisions made by the Environment Protection Authority (the Authority) under the *Environment Protection Act 1997* ***(the Act)*** may be reviewed both internally and by the ACT Civil and Administrative Tribunal (ACAT).

A person who has a complaint about the administrative conduct in the making of this decision can also lodge a complaint with the ACT Ombudsman by calling 1300 362 072.

REVIEW BY ACT CIVIL AND ADMINISTRATIVE TRIBUNAL

The following information is provided in accordance with regulation 7 of the *ACT Civil and Administrative Tribunal Regulation 2009.*

Statement of reasons

You may apply for a statement of reasons in relation to this decision under s 22B of the ACAT Act. An application for a statement of reasons should be made in writing, within 28 days of the date that you received this notice of decision. An application for a statement of reasons should be addressed to the **Environment Protection Authority, GPO Box 158, CANBERRA, ACT 2601**. Applications for a statement of reasons may also be made via email to environment.protection@act.gov.au

Decision may be subject to review by the ACAT

In accordance with section 136 and Schedule 3 of the *Environment Protection Act 1997* (the Act) the decision made under section 49(1) of the Act may be subject to review by the ACT Civil and Administrative Tribunal (**ACAT**).

Location	Contact details
ACT Civil and Administrative Tribunal Level 4, 1 Moore Street CANBERRA CITY ACT 2601	Website: www.acat.act.gov.au Email: tribunal@act.gov.au Telephone: (02) 6207 1740 Facsimile: (02) 6205 4855 Post: GPO Box 370, CANBERRA, ACT, 2601

Applications to the ACAT

An application for administrative review should use ACAT's application form which is available:

1. online from the ACT Legislation Register: http://client2.matrix01.act.gov.au/acat/application-type/administrative_review/applicationsforms
2. ACAT Registry at Level 4, 1 Moore Street, Canberra City.

Time Limits for Applications

An application for a review must ordinarily be lodged within 28 days of the date that you received this Notice of decision.

TRANSLATION AND INTERPRETER SERVICES

The ACT Government's translation and interpreter service runs 24 hours a day, every day of the week. Telephone 131 450.

ENGLISH	If you need interpreting help, telephone:
ARABIC	إذا احتجت لمساعدة في الترجمة الشفوية ، إتصل برقم الهاتف :
CHINESE	如果你需要传译员的帮助，请打电话：
CROATIAN	Ako trebate pomoć tumača telefonirajte:
GREEK	Αν χρειάζεστε διερμηνέα τηλεφωνήσετε στο
ITALIAN	Se avete bisogno di un interprete, telefonate al numero:
MALTESE	Jekk ghandek bżonn l-ghajnuna t'interpretu, ċempel:
PERSIAN	اگر به ترجمه شفاهی احتیاج دارید به این شماره تلفن کنید:
PORTUGUESE	Se você precisar da ajuda de um intérprete, telefone:
SERBIAN	Ако вам је потребна помоћ преводиоца телефонирајте:
SPANISH	Si necesita la asistencia de un intérprete, llame al:
TURKISH	Tercümana ihtiyacınız varsa lütfen telefon ediniz:
VIETNAMESE	Nếu bạn cần một người thông-ngôn hãy gọi điện-thoại:

TRANSLATING AND INTERPRETING SERVICE

131 450

Canberra and District - 24 hours a day, seven days a week

ACT Government
Chief Minister, Treasury and Economic Development

Authorisation No. 0748

AUSTRALIAN CAPITAL TERRITORY

ENVIRONMENTAL AUTHORISATION UNDER THE ENVIRONMENT PROTECTION ACT 1997

Note: This is a variation of the environmental authorisation granted 19 October 2011 and subsequent variations dated 3 May 2016, 8 January 2019 and 6 August 2019

The Environment Protection Authority (the Authority), pursuant to section 49(1)(a) of the *Environment Protection Act 1997* (the Act), hereby authorises:

Name:	**Caltex Petroleum Pty Ltd**
ABN:	**11 000 007 876**
ACN:	**000 007 876**
Street:	**1 Webber Crescent**
Suburb:	**Calwell**
Postcode:	**2905**

to conduct the following activity/activities:

The operation of a facility designed to store more than 50m^3 of petroleum products;

On:	Block:	**8**
	Section:	**787**
	Suburb:	**Calwell**

subject to the conditions set out in **Schedules 1 and 2** for an unlimited period or until earlier surrendered by **Caltex Petroleum Pty Ltd** or cancelled or suspended by the Authority.

This is a **standard** environmental authorisation.

Sch 2.2(a)(ii) .....
Environment Protection Authority

Dated this 17 September 2019

TABLE 3: NOISE POLLUTION

Requirement	
Shall manage the operations at the site so that noise levels do not exceed the following levels at any point on the boundary of the site	
Mon – Saturday	7 am to 10pm - 55 dB(A) 10pm to 7am – 45 dB(A)
Sunday and Public Holidays	8 am to 10 pm - 55 dB(A) 10pm to 8am - 45 dB(A)
The noise standard specified is in accordance with the Environment Protection Regulation 2005 (for specific noise zones refer to: www.legislation.act.gov.au).	

TABLE 4: GROUNDWATER PARAMETERS

Parameter - Water	**Criteria**
Depth to water	-
pH	6.5 – 8.5
Total Petroleum Hydrocarbons $C_6 – C_9$ $C_{10} – C_{40}$	 No criterion set at this time 600μg/L
BTEX (Total) Benzene Toluene Ethyl Benzene Xylenes o-xylene m and p-xylene	 950μg/L 300μg/L 140μg/L 350μg/L 200μg/L
Ethanol	1400μg/L
Lead (Total)	3.4μg/L

1. All analysis for organic and inorganic substances must be for total concentrations unless detailed otherwise.

CALTEX Sites in the ACT

SITE NAME	CALTEX SITE ID	Status Update June 2015
Out of scope		
Calwell	22176	NO LNAPL, six monthly gauging, annual gw sampling, November 2015 next round, Recently identified tank integrity loss. Site notified and landlord undertook required repairs and environmental assessment works. Landlord report to Caltex property that contamination from losses was contained due to the HDPE containment around the tanks. Caltex property met with the landlord to discuss the tank replacement. Based on the information we have been provided. tank replacement to occur in 2015. Landlord responsbile for the UPSS replacement and remediation works.
Out of scope		

Out of scope

SiteName	SiteID	WellID	InspectionDate	DepthToWater	DepthToLNAPL	LNAPLThickness
CASWELL SSTN	23178	MW01	10/01/2015	3.307	0.000	0.000
		MW02	10/01/2015	5.245	0.000	0.000
		MW03	10/01/2015	4.824	0.000	0.000

Out of scope

Out of scope

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

CALTEX Operational sites in ACT

SITE NAME	CALTEX SITE ID	Status Update October 2014
Out of scope		
Calwell	22178	replacement to occur in 2015. Landlord responsible for the UPSS replacement and remediation works
Out of scope		

Out of scope

SiteName	SiteID	WellID	InspectionDate	DepthToWater	DepthToLNAPL	LNAPLThickness
CASWELL SSTN	23178	MW01	10/11/2014	3.385	0.000	0.000
		MW02	10/11/2014	5.998	0.000	0.000
		MW03	10/11/2014	4.755	0.000	0.000

Out of scope

Out of scope

Out of scope