



ANALYTICAL SERVICES TASMANIA

18 St Johns Avenue
New Town Laboratory

Telephone: (03) 6230 7000 Fax: (03) 6230 7001 Email: astproduction@environment.tas.gov.au



<p>To: Mike Blake Boss Energy Limited Address: 516 Palooona Road Palooona</p> <p>Fax No: Phone: 6492 3001 Mobile:</p>	<p>Date: 04-Aug-10 Pages: 4 (including this one)</p> <p>From: Amanda Freeman</p> <p>Fax No (03) 6230 7001 Phone: (03) 6230 7000</p>
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Order No

Please find enclosed report number 45215 : issue number 1.

The original was sent to:

Stacey Stobaus, Boss Energy Limited, GPO Box 2986 MELBOURNE VIC 3001.

The invoice for this report will follow.

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Thank you.

ANALYTICAL SERVICES TASMANIA

New Town Laboratory

18 St Johns Avenue

New Town, Tasmania, Australia, 7008

Telephone: (03) 6230 7000 Fax: (03) 6230 7001

Email: astproduction@environment.tas.gov.au



Laboratory Report

Report No: 45215

Issue No: 1

Report Date 04-Aug-2010 11:01

Status: Full Report

Site Description: LATROBE OIL SHALE

Received: 21-Jul-10

Submitted to: New Town Laboratory

Submitted By: Mike Blake

Client Order No:

Report To: Stacey Stobaus

Client: Boss Energy Limited

Address: GPO Box 2986 MELBOURNE VIC 3001

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The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards.

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Samples analysed as received.



ANALYTICAL SERVICES TASMANIA

Report No: 45215 **Issue No:** 1 **Report Date:** 04-Aug-2010 11:01

Method	Analyte	Units / Sampled On :	Lab.No.:	174845	174846	174847
			Sample Id.:	SHALE 1	SHALE 2	SHALE 3
				16/07/10	16/07/10	16/07/10
1101-Water	Alkalinity Total	mg CaCO ₃ /L		<u><2</u>	<u><2</u>	<u><2</u>
1301-Water	S Total*	µg/L		764000	1140	6440
1406-Water	TPH	µg/L		<40	<40	<40
	TPH C06-C09	µg/L		<10	<10	<10
	TPH C10-C14	µg/L		<10	<10	<10
	TPH C15-C28	µg/L		<10	<10	<10
	TPH C29-C36	µg/L		<10	<10	<10

* NATA accreditation does not cover this analyte.

Results underlined indicate the recommended sample holding time before analysis has been exceeded.

ANALYTICAL SERVICES TASMANIA

Report No: 45215 Issue No: 1 Report Date: 04-Aug-2010 11:01

Test Method(s) :**Test Date**

Inorganic Testing

1101-Water:	Alkalinity in Water	02-Aug-2010
	Work Conducted at: New Town	
1301-Water:	Metals in Water by ICPAES	30-Jul-2010
	Work Conducted at: New Town	

Authorised By:

John O'Reilly
Section Head - Inorganic
(Metals)

Organic and Nutrient Testing

1406-Water:	TPH and BTEX in Water by GC-FID	28-Jul-2010
	Work Conducted at: New Town	

Authorised By:

Tim Jordan
Chemist



Accreditation No. 5589

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New Town Laboratory

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<p>To: Winton Willesee Boss Energy Limited Address: GPO Box 2986, Melbourne VIC 3001</p> <p>Fax No: Phone: 03 9602 4133 Mobile:</p>	<p>Date: 29-Sep-10 Pages: 4 (including this one)</p> <p>From: Amanda Freeman</p> <p>Fax No (03) 6230 7001 Phone: (03) 6230 7000</p>
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Order No

Please find enclosed report number 45902 : issue number 1.

The original was sent to:

Stacey Stobaus, Boss Energy Limited, GPO Box 2986 MELBOURNE VIC 3001.

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ANALYTICAL SERVICES TASMANIA

New Town Laboratory

18 St Johns Avenue

New Town, Tasmania, Australia, 7008

Telephone: (03) 6230 7000 Fax: (03) 6230 7001

Email: astproduction@environment.tas.gov.au



Laboratory Report

Report No: 45902

Issue No: 1

Report Date 29-Sep-2010 16:23

Status: Full Report

Site Description: Latrobe Oil Shale

Received: 09-Sep-10

Submitted to: New Town Laboratory

Submitted By: Mike Blake

Client Order No:

Report To: Stacey Stobaus

Client: Boss Energy Limited

Address: GPO Box 2986 MELBOURNE VIC 3001

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ANALYTICAL SERVICES TASMANIA

Report No: 45902 **Issue No:** 1 **Report Date:** 29-Sep-2010 16:23

Method	Analyte	Units / Sampled On :	Lab.No.: 178100	178101	178102
			Sample Id.: Shale 1	Shale 2	Shale 3
			07/09/10 16:00	07/09/10 16:00	07/09/10 16:00
1001-Water	pH		<u>3.2</u>	<u>5.1</u>	<u>5.1</u>
1301-Water	S Total*	µg/L	290000	860	3550
1311-Water	Al Total	µg/L	65600	697	574
	As Total	µg/L	4	<1	<1
	Cd Total	µg/L	9.9	<0.1	<0.1
	Cr Total	µg/L	93	3	2
	Cu Total	µg/L	226	1	2
	Fe Total	µg/L	160000	442	427
	Mn Total	µg/L	2300	10.9	56.2
	Ni Total	µg/L	701	1.2	7.6
	Pb Total	µg/L	1.0	<0.5	0.5
	U Total	µg/L	14.8	<0.1	<0.1
	Zn Total	µg/L	2210	<1	17
1406-Water	TPH	µg/L	<40	<40	<40
	TPH C06-C09	µg/L	<10	<10	<10
	TPH C10-C14	µg/L	<10	<10	<10
	TPH C15-C28	µg/L	<10	<10	<10
	TPH C29-C36	µg/L	<10	<10	<10

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Results underlined indicate the recommended sample holding time before analysis has been exceeded.

ANALYTICAL SERVICES TASMANIA

Report No: 45902 Issue No: 1 Report Date: 29-Sep-2010 16:23

Test Method(s) :

Test Date

Inorganic Testing

1001-Water:	pH in Water Work Conducted at: New Town	22-Sep-2010
1301-Water:	Metals in Water by ICPAES Work Conducted at: New Town	21-Sep-2010
1311-Water:	Metals in Water by ICPMS Work Conducted at: New Town	23-Sep-2010

Authorised By:



John O'Reilly
Section Head - Inorganic
(Metals)

Organic and Nutrient Testing

1406-Water:	TPH and BTEX in Water by GC-FID Work Conducted at: New Town	17-Sep-2010
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Authorised By:



Neil Kerr
Chemist



Accreditation No. 5589

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