



XI:18001

Your Ref: Reserve Pit Port Fairy No. 1

17 April 2002

Essential Petroleum Resource Limited  
Level 2, 226 Albert Road  
South Melbourne VIC 3205

Date Received: 5/04/2002

**RECEIVED**  
24 APR 2002

Attention: **Mr. Wally Westman**

BY:.....

**Certificate of Analysis**

WSL Report Number: **443664**

The sample(s) referred to in this report were analysed by the following methods:

<b>Analyte(s)</b>	<b>Method</b>	<b>Analyte(s)</b>	<b>Method</b>
Alkalinity	APHA 2320 B	Cations	WSL 023A
Chloride	APHA 4500-CL,B	Cyanide	APHA 4120
Electrical Conductivity	APHA 2510B	Fluoride	WSL 077
Metals	WSL-032	Nitrate Nitrogen	APHA 4120
OCs	WSL8000	PAHs	WSL8000
PCBs	WSL8000	pH	APHA 4500H,B
Resistivity ^^	APHA 2510 B	Silica	APHA 4500-SI,C
Sulphate	APHA 4500SO4E	Total Phenolics	APHA 4120
TPH	WSL030	Volatiles	WSL3810A

Results pertain to samples as received

Yours faithfully  
**WSL Consultants Pty Ltd**

**Nick Bray**  
Manager Of Chemistry



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**Date : 18-Dec-2002**

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LAB NUM	Received	Sample	As	Cd	Co	Cr	Cu	Hg	Mo	Ni	Pb	Se	Sn	Zn
443664	5-Apr-2002	PARTLY DEHYDRATED DRILLING MUD	19	<0.2	7	40	52	<0.05	<5	16	17	<5	<5	100

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LAB NUM	Received	Sample	POTASSIUM	SODIUM	CALCIUM	MAGNESIUM	ALKALINITY as CaCO <sub>3</sub>	Bi- CARBONATE as CaCO <sub>3</sub>	CARBONATE as CaCO <sub>3</sub>	HYDROXIDE as CaCO <sub>3</sub>	CHLORIDE	SULPHATE
443665	5-Apr-2002	WATER SAMPLE FROM RESERVE PIT	310	930	32	24	450	450	<2	<2	1,500	55

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LAB NUM	Received	Sample	CONDUCTIVITY ( $\mu$ S/cm )	pH (pH Units)	NITRATE NITROGEN	SILICA	IRON	SOLUBLE IRON	RESISTIVITY (ohms-cm)
443665	5-Apr-2002	WATER SAMPLE FROM RESERVE PIT	5,700	7.3	0.02	31	3.6	0.94	180

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LAB NUM	Received	Sample	TPH C6-C9	TPH C10-C14	TPH C15-C28	TPH C29-C36	BENZENE	TOLUENE	ETHYL BENZENE	XYLENES	STYRENE	CUMENE	1,2,4-TRI- METHYL BENZENE	TOTAL PHENOLS	FLUORIDE	CYANIDE
443664	5-Apr-2002	PARTLY DEHYDRATED DRILLING MUD	58	31	300	170	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<5	<5

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LAB NUM	Received	Sample	NAP	ACY	ACE	FLU	PHE	ANT	FLA	PYR	BAA	CHR	BBF	BKF	BAP	DBA	BGP	IPY	TOTAL PAH
443664	5-Apr-2002	PARTLY DEHYDRATED DRILLING MUD	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1

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LAB NUM	Received	Sample	HCB	a-BHC	LINDANE	HEPTACHLOR	ALDRIN	b-BHC	d-BHC	HEPTACHLOR- EPOXIDE	DDE	DIELDRIN
443664	5-Apr-2002	PARTLY DEHYDRATED DRILLING MUD	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

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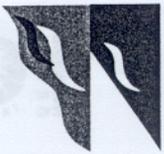
LAB NUM	Received	Sample	DDD	DDT	ENDRIN	METHOXYCHLOR	CHLORDANE	a-ENDO-SULPHAN	b-ENDO-SULPHAN	ENDOSULPHAN SULPHATE	ENDRIN ALDEHYDE
443664	5-Apr-2002	PARTLY DEHYDRATED DRILLING MUD	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

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LAB NUM	Received	Sample	AROCLOR 1016	AROCLOR 1221	AROCLOR 1232	AROCLOR 1242	AROCLOR 1248	AROCLOR 1254	AROCLOR 1260	TOTAL PCBs
443664	5-Apr-2002	PARTLY DEHYDRATED DRILLING MUD	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1



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