

Form 603

Corporations Act 2001
Section 671B

Notice of initial substantial holder

To Company Name/Scheme

ACN/ARSN

1. Details of substantial holder (1)

Name

ACN/ARSN (if applicable)

The holder became a substantial holder on / /

2. Details of voting power

The total number of votes attached to all the voting shares in the company or voting interests in the scheme that the substantial holder or an associate (2) had a relevant interest (3) in on the date the substantial holder became a substantial holder are as follows:

Class of securities (4)	Number of securities	Person's votes (5)	Voting power (6)

3. Details of relevant interests

The nature of the relevant interest the substantial holder or an associate had in the following voting securities on the date the substantial holder became a substantial holder are as follows:

Holder of relevant interest	Nature of relevant interest (7)	Class and number of securities

4. Details of present registered holders

The persons registered as holders of the securities referred to in paragraph 3 above are as follows:

Holder of relevant interest	Registered holder of securities	Person entitled to be registered as holder (8)	Class and number of securities

5. Consideration

The consideration paid for each relevant interest referred to in paragraph 3 above, and acquired in the four months prior to the day that the substantial holder became a substantial holder is as follows:

Holder of relevant interest	Date of acquisition	Consideration (9)		Class and number of securities
		Cash	Non-cash	

6. Associates

The reasons the persons named in paragraph 3 above are associates of the substantial holder are as follows:

Name and ACN/ARSN (if applicable)	Nature of association

7. Addresses

The addresses of persons named in this form are as follows:

Name	Address

Signature

print name

capacity

sign here

date / /

*** At a meeting of the Board on 22 November 2013, the Directors resolved to approve the delegation of the preparation and lodgement of substantial shareholder notices on behalf of BlackRock Investment Management (Australia) Limited.**

DIRECTIONS

- (1) If there are a number of substantial holders with similar or related relevant interests (eg. a corporation and its related corporations, or the manager and trustee of an equity trust), the names could be included in an annexure to the form. If the relevant interests of a group of persons are essentially similar, they may be referred to throughout the form as a specifically named group if the membership of each group, with the names and addresses of members is clearly set out in paragraph 7 of the form.
- (2) See the definition of "associate" in section 9 of the Corporations Act 2001.
- (3) See the definition of "relevant interest" in sections 608 and 671B(7) of the Corporations Act 2001.
- (4) The voting shares of a company constitute one class unless divided into separate classes.
- (5) The total number of votes attached to all the voting shares in the company or voting interests in the scheme (if any) that the person or an associate has a relevant interest in.
- (6) The person's votes divided by the total votes in the body corporate or scheme multiplied by 100.
- (7) Include details of:
 - (a) any relevant agreement or other circumstances by which the relevant interest was acquired. If subsection 671B(4) applies, a copy of any document setting out the terms of any relevant agreement, and a statement by the person giving full and accurate details of any contract, scheme or arrangement, must accompany this form, together with a written statement certifying this contract, scheme or arrangement; and
 - (b) any qualification of the power of a person to exercise, control the exercise of, or influence the exercise of, the voting powers or disposal of the securities to which the relevant interest relates (indicating clearly the particular securities to which the qualification applies).

See the definition of "relevant agreement" in section 9 of the Corporations Act 2001.
- (8) If the substantial holder is unable to determine the identity of the person (eg. if the relevant interest arises because of an option) write "unknown".
- (9) Details of the consideration must include any and all benefits, money and other, that any person from whom a relevant interest was acquired has, or may, become entitled to receive in relation to that acquisition. Details must be included even if the benefit is conditional on the happening or not of a contingency. Details must be included of any benefit paid on behalf of the substantial holder or its associate in relation to the acquisitions, even if they are not paid directly to the person from whom the relevant interest was acquired.

08-Feb-17

Kayla Mulvihill,
Authorised Signatory

Date

3. Details of Relevant Interests

4. Details of present registered holders

6. Associates

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BlackRock (Netherlands) B.V.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-BANK OF NY BRUS		ord 13,182	13,182	subsidiary of BlackRock Inc.
BlackRock (Netherlands) B.V.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ord 34,691	34,691	subsidiary of BlackRock Inc.
BlackRock (Netherlands) B.V.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-SSB NEW YORK INSTITUTIONAL		ord 109,701	109,701	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-BONY EUROPE - LONDON		ord 2,065,319	2,065,319	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM - J.P. Morgan Zurich		ord 43,750	43,750	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JPM CHASE - LONDON		ord 439,126	439,126	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	NT-NORTHERN TRUST UK		ord 46,823	46,823	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	RBC-DEXIA BIL- LONDON		ord 168,153	168,153	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET DUBLIN		ord 2,719,036	2,719,036	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	STATE STREET BANK, MUNICH, ZURICH BRANCH		ord 3,529	3,529	subsidiary of BlackRock Inc.
BlackRock Advisors, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET MUTUAL FUNDS - BOSTON		ord 313,395	313,395	subsidiary of BlackRock Inc.
BlackRock Asset Management Canada Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	NT-NORTHERN TRUST CO. - CHICAGO		ord 27,000	27,000	subsidiary of BlackRock Inc.
BlackRock Asset Management Canada Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET SACRAMENTO		ord 316,590	316,590	subsidiary of BlackRock Inc.
BlackRock Asset Management North Asia Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-BONY EUROPE - LONDON		ord 15,876	15,876	subsidiary of BlackRock Inc.
BlackRock Asset Management North Asia Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	CITI-CITIBANK, HONG KONG		ord 5,080	5,080	subsidiary of BlackRock Inc.
BlackRock Asset Management North Asia Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	HSBC-HSBC, HONG KONG		ord 3,712	3,712	subsidiary of BlackRock Inc.
BlackRock Asset Management North Asia Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	Northern Trust Singapore		ord 1,049	1,049	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BlackRock Financial Management, Inc.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BBH-BROWN BROTHERS HARRIMAN & CO - NEW YORK		ord 15,863	15,863	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-THE BANK OF NEW YORK		ord 9,340	9,340	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-SSB NEW YORK INSTITUTIONAL		ord 1,502	1,502	subsidiary of BlackRock Inc.
BlackRock Fund Advisors	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-SSB NEW YORK INSTITUTIONAL		ord 31,050	31,050	subsidiary of BlackRock Inc.
BlackRock Fund Advisors	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET BANK, BOSTON		ord 117,155	117,155	subsidiary of BlackRock Inc.
BlackRock Fund Advisors	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET MUTUAL FUNDS - BOSTON		ord 48,858	48,858	subsidiary of BlackRock Inc.
BlackRock Fund Advisors	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET SACRAMENTO		ord 8,062,164	8,062,164	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-THE BANK OF NEW YORK		ord 918,659	918,659	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ord 111,115	111,115	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	NT-NORTHERN TRUST CO. - CHICAGO		ord 282,221	282,221	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-SSB BOSTON INSTITUTIONAL		ord 18,327	18,327	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-SSB NEW YORK INSTITUTIONAL		ord 551,466	551,466	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STATE HONG KONG		ord 356,150	356,150	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET BANK, BOSTON		ord 49,800	49,800	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET LONDON		ord 57,266	57,266	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET SACRAMENTO		ord 8,675,275	8,675,275	subsidiary of BlackRock Inc.
BlackRock International Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	NT-NORTHERN TRUST UK		ord 247,490	247,490	subsidiary of BlackRock Inc.
BlackRock International Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-SSB NEW YORK INSTITUTIONAL		ord 22,842	22,842	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JPM CHASE - SYDNEY		ord 1,858,455	1,858,455	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	NAB-NATIONAL AUSTRALIA BANK LIMITED - MELBOURNE		ord 1,990,707	1,990,707	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	Northern Trust Singapore		ord 311,211	311,211	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET AUSTRALIA		ord 49,485	49,485	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	AP7		ord 68,630	68,630	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNP-BNP Paribas Milan		ord 33,601	33,601	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-BANK OF NY BRUS		ord 125,292	125,292	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-BONY EUROPE - LONDON		ord 359,983	359,983	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	CB-CACEIS BANK LUXEMBOURG		ord 4,795	4,795	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	CITI-CITIBANK, LONDON		ord 785,678	785,678	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ord 51,906	51,906	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	KAS-KAS BANK - AMSTERDAM		ord 394,008	394,008	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	NT-NORTHERN TRUST CO. - CHICAGO		ord 120,347	120,347	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	NT-NORTHERN TRUST UK		ord 102,007	102,007	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SEB-SKANDINAVISKA ENSKILDA BANKEN		ord 18,465	18,465	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STATE HONG KONG		ord 33,567	33,567	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET BANK LUXEMBOURG		ord 154,926	154,926	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET BANK, GERMANY		ord 48,514	48,514	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET LONDON		ord 296,103	296,103	subsidiary of BlackRock Inc.
BlackRock Investment Management, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-THE BANK OF NEW YORK		ord 435,257	435,257	subsidiary of BlackRock Inc.
BlackRock Investment Management, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ord 521,662	521,662	subsidiary of BlackRock Inc.
BlackRock Investment Management, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	USB-US BANK		ord 11,833	11,833	subsidiary of BlackRock Inc.
BlackRock Japan Co., Ltd.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BBH-BROWN BROTHERS HARRIMAN & CO - NEW YORK		ord 9,916	9,916	subsidiary of BlackRock Inc.
BlackRock Japan Co., Ltd.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ord 951,643	951,643	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BlackRock Japan Co., Ltd.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JPM CHASE - LONDON		ord 133	133	subsidiary of BlackRock Inc.
BlackRock Japan Co., Ltd.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JTSB-JAPAN TRUSTEE SERVICES BANK		ord 125	125	subsidiary of BlackRock Inc.
BlackRock Japan Co., Ltd.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-State Street Bank And Trust Co.		ord 25,469	25,469	subsidiary of BlackRock Inc.
BlackRock Japan Co., Ltd.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET BANK, BOSTON		ord 11,679	11,679	subsidiary of BlackRock Inc.
BlackRock Japan Co., Ltd.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET TRUST & BANKING TOKYO		ord 2,414	2,414	subsidiary of BlackRock Inc.
BlackRock Japan Co., Ltd.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	TCSB TRUST & CUSTODY SERVICES BANK		ord 457	457	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager.	CITI-Citigroup Australia - SYDNEY		ord 44,360	44,360	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager.	JPM-JPM CHASE - SYDNEY		ord 299,794	299,794	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager.	NAB-NATIONAL AUSTRALIA BANK LIMITED - MELBOURNE		ord 616,696	616,696	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as responsible entity.	JPM-JPM CHASE - SYDNEY		ord 1,606,366	1,606,366	subsidiary of BlackRock Inc.

This is Annexure B of 10 pages referred to in form 603 Notice of initial substantial shareholder

08-Feb-17

Kayla Mulvihill,
Authorised Signatory

Date

5. Consideration

TREASURY WINE ESTATES LTD (TWE)									
Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected		
			Cash	Non-cash	CCY				
BlackRock Investment Management (Australia) Limited	07-Oct-16	yes	11.00	on mkt buy	AUD	ord	11,243	11,243	
BlackRock Advisors (UK) Limited	07-Oct-16	yes	11.00	on mkt buy	AUD	ord	3,401	3,401	
BlackRock (Netherlands) B.V.	07-Oct-16	yes	11.00	on mkt buy	AUD	ord	825	825	
BlackRock Fund Advisors	07-Oct-16	no	n/a	in specie	AUD	ord	6,554	6,554	
BlackRock Fund Advisors	07-Oct-16	yes	11.00	on mkt buy	AUD	ord	5,886	5,886	
BlackRock Fund Advisors	07-Oct-16	no	n/a	in specie	AUD	ord	8,415	8,415	
BlackRock Fund Advisors	07-Oct-16	yes	11.00	on mkt buy	AUD	ord	3,366	3,366	
BlackRock Advisors (UK) Limited	07-Oct-16	yes	11.00	on mkt buy	AUD	ord	2,896	2,896	
BlackRock Asset Management Canada Limited	07-Oct-16	yes	11.00	on mkt buy	AUD	ord	743	743	
BlackRock Institutional Trust Company, National Association	07-Oct-16	yes	11.00	on mkt buy	AUD	ord	20,827	20,827	
BlackRock Investment Management (Australia) Limited	07-Oct-16	yes	11.00	on mkt buy	AUD	ord	4,247	4,247	
BlackRock Fund Advisors	07-Oct-16	yes	11.00	on mkt buy	AUD	ord	2,340	2,340	
BlackRock Investment Management (Australia) Limited	10-Oct-16	yes	11.00	on mkt buy	AUD	ord	34,882	34,882	
BlackRock Investment Management (Australia) Limited	10-Oct-16	yes	11.00	on mkt buy	AUD	ord	1,792	1,792	
BlackRock International Limited	10-Oct-16	no	n/a	in specie	AUD	ord	5,254	5,254	
BlackRock Investment Management (Australia) Limited	11-Oct-16	yes	11.00	on mkt buy	AUD	ord	16,613	16,613	
BlackRock Japan Co., Ltd.	11-Oct-16	yes	11.00	on mkt buy	AUD	ord	1,685	1,685	
BlackRock Investment Management (Australia) Limited	11-Oct-16	yes	11.00	on mkt buy	AUD	ord	853	853	
BlackRock Advisors (UK) Limited	11-Oct-16	yes	11.00	on mkt buy	AUD	ord	1,929	1,929	
BlackRock Advisors, LLC	11-Oct-16	yes	11.00	on mkt buy	AUD	ord	52,204	52,204	
BlackRock Investment Management (Australia) Limited	11-Oct-16	yes	11.00	on mkt buy	AUD	ord	1,848	1,848	
BlackRock (Netherlands) B.V.	11-Oct-16	yes	11.00	on mkt buy	AUD	ord	2,431	2,431	
BlackRock Fund Advisors	11-Oct-16	yes	11.00	on mkt buy	AUD	ord	2,330	2,330	
BlackRock International Limited	11-Oct-16	no	n/a	in specie	AUD	ord	2,985	2,985	
BlackRock Investment Management (Australia) Limited	12-Oct-16	yes	11.00	on mkt buy	AUD	ord	1,572	1,572	
BlackRock Investment Management (Australia) Limited	12-Oct-16	yes	11.00	on mkt buy	AUD	ord	4,861	4,861	
BlackRock Investment Management (Australia) Limited	12-Oct-16	yes	11.00	on mkt buy	AUD	ord	6,240	6,240	
BlackRock Investment Management (Australia) Limited	12-Oct-16	yes	11.00	on mkt buy	AUD	ord	20,485	20,485	
BlackRock Investment Management (Australia) Limited	12-Oct-16	yes	11.00	on mkt buy	AUD	ord	4,792	4,792	
BlackRock Investment Management (Australia) Limited	12-Oct-16	yes	11.00	on mkt buy	AUD	ord	14,762	14,762	
BlackRock Investment Management (Australia) Limited	12-Oct-16	yes	11.00	on mkt buy	AUD	ord	342	342	
BlackRock Investment Management (Australia) Limited	12-Oct-16	yes	11.00	on mkt buy	AUD	ord	1,113	1,113	
BlackRock Investment Management (Australia) Limited	12-Oct-16	yes	11.00	on mkt buy	AUD	ord	1,762	1,762	
BlackRock Investment Management (Australia) Limited	12-Oct-16	yes	11.00	on mkt buy	AUD	ord	571	571	
BlackRock Advisors (UK) Limited	12-Oct-16	yes	11.00	on mkt buy	AUD	ord	2,896	2,896	
BlackRock Advisors (UK) Limited	12-Oct-16	yes	11.00	on mkt buy	AUD	ord	1,929	1,929	
BlackRock Investment Management (Australia) Limited	12-Oct-16	yes	11.00	on mkt buy	AUD	ord	6,436	6,436	
BlackRock Investment Management (Australia) Limited	12-Oct-16	yes	11.00	on mkt buy	AUD	ord	19,799	19,799	
BlackRock Investment Management (Australia) Limited	12-Oct-16	yes	11.00	on mkt buy	AUD	ord	1,787	1,787	

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected		Person's votes affected
			Cash	Non-cash	CCY			
BlackRock Investment Management (Australia) Limited	12-Oct-16	yes	11.00	on mkt buy	AUD	ord	575	575
BlackRock Investment Management (Australia) Limited	12-Oct-16	yes	11.00	on mkt buy	AUD	ord	8,202	8,202
BlackRock Investment Management (Australia) Limited	12-Oct-16	yes	11.00	on mkt buy	AUD	ord	2,654	2,654
BlackRock Institutional Trust Company, National Association	12-Oct-16	no	n/a	in specie	AUD	ord	18,258	18,258
BlackRock Investment Management (Australia) Limited	12-Oct-16	yes	11.00	on mkt buy	AUD	ord	450	450
BlackRock Investment Management (Australia) Limited	12-Oct-16	yes	11.00	on mkt buy	AUD	ord	1,388	1,388
BlackRock International Limited	12-Oct-16	no	n/a	in specie	AUD	ord	2,957	2,957
BlackRock Fund Advisors	13-Oct-16	no	n/a	in specie	AUD	ord	1,740	1,740
BlackRock Advisors (UK) Limited	13-Oct-16	yes	11.00	on mkt buy	AUD	ord	190	190
BlackRock Advisors (UK) Limited	13-Oct-16	yes	11.00	on mkt buy	AUD	ord	570	570
BlackRock Investment Management (Australia) Limited	13-Oct-16	yes	11.00	on mkt buy	AUD	ord	4,001	4,001
BlackRock International Limited	13-Oct-16	no	n/a	in specie	AUD	ord	5,795	5,795
BlackRock Fund Advisors	14-Oct-16	no	n/a	in specie	AUD	ord	11,120	11,120
BlackRock Advisors (UK) Limited	14-Oct-16	yes	11.00	on mkt buy	AUD	ord	5,792	5,792
BlackRock Advisors (UK) Limited	14-Oct-16	yes	11.00	on mkt buy	AUD	ord	1,935	1,935
BlackRock International Limited	14-Oct-16	no	n/a	in specie	AUD	ord	5,851	5,851
BlackRock Investment Management (UK) Limited	17-Oct-16	yes	11.00	on mkt buy	AUD	ord	10,756	10,756
BlackRock Institutional Trust Company, National Association	17-Oct-16	yes	11.00	on mkt buy	AUD	ord	25,053	25,053
BlackRock Fund Advisors	17-Oct-16	yes	11.00	on mkt buy	AUD	ord	6,370	6,370
BlackRock Fund Advisors	17-Oct-16	yes	11.00	on mkt buy	AUD	ord	3,029	3,029
BlackRock Fund Advisors	17-Oct-16	yes	11.00	on mkt buy	AUD	ord	1,020	1,020
BlackRock Investment Management, LLC	17-Oct-16	yes	11.00	on mkt buy	AUD	ord	516	516
BlackRock Investment Management (Australia) Limited	18-Oct-16	yes	11.00	on mkt buy	AUD	ord	697	697
BlackRock Fund Advisors	18-Oct-16	yes	11.00	on mkt buy	AUD	ord	9,727	9,727
BlackRock Investment Management (Australia) Limited	18-Oct-16	yes	11.00	on mkt buy	AUD	ord	255	255
BlackRock Institutional Trust Company, National Association	18-Oct-16	yes	11.00	on mkt buy	AUD	ord	29,289	29,289
BlackRock Investment Management (UK) Limited	19-Oct-16	yes	11.00	on mkt buy	AUD	ord	62,616	62,616
BlackRock Advisors (UK) Limited	19-Oct-16	yes	11.00	on mkt buy	AUD	ord	950	950
BlackRock Institutional Trust Company, National Association	19-Oct-16	yes	11.00	on mkt buy	AUD	ord	5,812	5,812
BlackRock Investment Management, LLC	20-Oct-16	no	n/a	in specie	AUD	ord	13,583	13,583
BlackRock Institutional Trust Company, National Association	20-Oct-16	yes	11.00	on mkt buy	AUD	ord	79,581	79,581
BlackRock Investment Management (Australia) Limited	20-Oct-16	yes	11.00	on mkt buy	AUD	ord	2,670	2,670
BlackRock Fund Advisors	21-Oct-16	yes	11.00	on mkt buy	AUD	ord	3,890	3,890
BlackRock Advisors (UK) Limited	21-Oct-16	yes	11.00	on mkt buy	AUD	ord	1,449	1,449
BlackRock Institutional Trust Company, National Association	24-Oct-16	yes	11.00	on mkt buy	AUD	ord	16,279	16,279
BlackRock Institutional Trust Company, National Association	24-Oct-16	yes	11.00	on mkt buy	AUD	ord	5,155	5,155
BlackRock Institutional Trust Company, National Association	24-Oct-16	yes	11.00	on mkt buy	AUD	ord	5,006	5,006
BlackRock Investment Management, LLC	24-Oct-16	yes	11.00	on mkt buy	AUD	ord	10,345	10,345
BlackRock Investment Management (Australia) Limited	24-Oct-16	yes	11.00	on mkt buy	AUD	ord	2,604	2,604
BlackRock Fund Advisors	25-Oct-16	yes	11.00	on mkt buy	AUD	ord	2,992	2,992
BlackRock Advisors (UK) Limited	25-Oct-16	yes	11.00	on mkt buy	AUD	ord	227	227
BlackRock Investment Management (Australia) Limited	26-Oct-16	yes	11.00	on mkt buy	AUD	ord	2,099	2,099
BlackRock Fund Advisors	26-Oct-16	no	n/a	in specie	AUD	ord	11,280	11,280
BlackRock Fund Advisors	26-Oct-16	yes	11.00	on mkt buy	AUD	ord	2,861	2,861
BlackRock Advisors (UK) Limited	26-Oct-16	no	n/a	in specie	AUD	ord	14,223	14,223
BlackRock Advisors (UK) Limited	26-Oct-16	yes	11.00	on mkt buy	AUD	ord	760	760
BlackRock Japan Co., Ltd.	26-Oct-16	yes	11.00	on mkt buy	AUD	ord	551	551
BlackRock Fund Advisors	27-Oct-16	no	n/a	in specie	AUD	ord	3,629	3,629
BlackRock Fund Advisors	27-Oct-16	no	n/a	in specie	AUD	ord	170	170
BlackRock Advisors, LLC	27-Oct-16	yes	10.00	on mkt buy	AUD	ord	3,842	3,842
BlackRock Fund Advisors	27-Oct-16	no	n/a	in specie	AUD	ord	16,930	16,930
BlackRock Investment Management, LLC	28-Oct-16	yes	10.00	on mkt buy	AUD	ord	11,590	11,590
BlackRock Investment Management, LLC	28-Oct-16	no	n/a	in specie	AUD	ord	5,362	5,362
BlackRock Advisors (UK) Limited	28-Oct-16	yes	10.00	on mkt buy	AUD	ord	1,330	1,330

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected
			Cash	Non-cash	CCY		
BlackRock Investment Management (UK) Limited	28-Oct-16	no	n/a	in specie	AUD	ord 322,092	322,092
BlackRock Fund Advisors	28-Oct-16	no	n/a	in specie	AUD	ord 16,930	16,930
BlackRock Fund Advisors	31-Oct-16	no	n/a	in specie	AUD	ord 3,277	3,277
BlackRock Fund Advisors	31-Oct-16	no	n/a	in specie	AUD	ord 170	170
BlackRock Investment Management (UK) Limited	31-Oct-16	yes	10.00	on mkt buy	AUD	ord 17,583	17,583
BlackRock Investment Management (UK) Limited	31-Oct-16	yes	10.00	on mkt buy	AUD	ord 26,104	26,104
BlackRock Investment Management (UK) Limited	01-Nov-16	yes	10.00	on mkt buy	AUD	ord 12,508	12,508
BlackRock Advisors (UK) Limited	01-Nov-16	yes	10.00	on mkt buy	AUD	ord 2,898	2,898
BlackRock Advisors (UK) Limited	01-Nov-16	yes	10.00	on mkt buy	AUD	ord 975	975
BlackRock Advisors (UK) Limited	01-Nov-16	yes	10.00	on mkt buy	AUD	ord 681	681
BlackRock Investment Management, LLC	02-Nov-16	no	n/a	in specie	AUD	ord 13,087	13,087
BlackRock Investment Management, LLC	02-Nov-16	no	n/a	in specie	AUD	ord 13,147	13,147
BlackRock Fund Advisors	02-Nov-16	yes	10.00	on mkt buy	AUD	ord 6,152	6,152
BlackRock Advisors (UK) Limited	02-Nov-16	yes	10.00	on mkt buy	AUD	ord 2,090	2,090
BlackRock Advisors (UK) Limited	02-Nov-16	yes	10.00	on mkt buy	AUD	ord 452	452
BlackRock Advisors (UK) Limited	03-Nov-16	yes	10.00	on mkt buy	AUD	ord 4,732	4,732
BlackRock Advisors (UK) Limited	03-Nov-16	yes	10.00	on mkt buy	AUD	ord 2,910	2,910
BlackRock Advisors (UK) Limited	03-Nov-16	yes	10.00	on mkt buy	AUD	ord 190	190
BlackRock Investment Management, LLC	03-Nov-16	yes	10.00	on mkt buy	AUD	ord 2,869	2,869
BlackRock Fund Advisors	03-Nov-16	no	n/a	in specie	AUD	ord 16,930	16,930
BlackRock Fund Advisors	04-Nov-16	no	n/a	in specie	AUD	ord 6,554	6,554
BlackRock Advisors (UK) Limited	04-Nov-16	yes	10.00	on mkt buy	AUD	ord 1,448	1,448
BlackRock Fund Advisors	07-Nov-16	no	n/a	in specie	AUD	ord 6,554	6,554
BlackRock Advisors (UK) Limited	07-Nov-16	yes	10.00	on mkt buy	AUD	ord 2,280	2,280
BlackRock Advisors (UK) Limited	08-Nov-16	no	n/a	in specie	AUD	ord 3,761	3,761
BlackRock Investment Management (Australia) Limited	08-Nov-16	yes	10.00	on mkt buy	AUD	ord 4,825	4,825
BlackRock Advisors (UK) Limited	09-Nov-16	yes	10.00	on mkt buy	AUD	ord 1,450	1,450
BlackRock Advisors (UK) Limited	10-Nov-16	yes	10.00	on mkt buy	AUD	ord 380	380
BlackRock Advisors (UK) Limited	10-Nov-16	yes	10.00	on mkt buy	AUD	ord 672	672
BlackRock Investment Management, LLC	10-Nov-16	yes	10.00	on mkt buy	AUD	ord 977	977
BlackRock Fund Advisors	10-Nov-16	no	n/a	in specie	AUD	ord 20,316	20,316
BlackRock Fund Advisors	11-Nov-16	no	n/a	in specie	AUD	ord 3,277	3,277
BlackRock Advisors (UK) Limited	11-Nov-16	yes	10.00	on mkt buy	AUD	ord 5,804	5,804
BlackRock Advisors (UK) Limited	11-Nov-16	yes	10.00	on mkt buy	AUD	ord 760	760
BlackRock Investment Management (UK) Limited	11-Nov-16	no	n/a	in specie	AUD	ord 6,481	6,481
BlackRock Fund Advisors	14-Nov-16	no	n/a	in specie	AUD	ord 1,520	1,520
BlackRock Fund Advisors	14-Nov-16	no	n/a	in specie	AUD	ord 6,193	6,193
BlackRock Advisors (UK) Limited	14-Nov-16	yes	10.00	on mkt buy	AUD	ord 5,796	5,796
BlackRock Advisors (UK) Limited	14-Nov-16	yes	10.00	on mkt buy	AUD	ord 1,460	1,460
BlackRock Advisors (UK) Limited	14-Nov-16	yes	10.00	on mkt buy	AUD	ord 2,660	2,660
BlackRock Advisors (UK) Limited	14-Nov-16	yes	10.00	on mkt buy	AUD	ord 388	388
BlackRock Advisors (UK) Limited	14-Nov-16	yes	10.00	on mkt buy	AUD	ord 1,158	1,158
BlackRock Institutional Trust Company, National Association	14-Nov-16	no	n/a	in specie	AUD	ord 17,799	17,799
BlackRock Fund Advisors	15-Nov-16	no	n/a	in specie	AUD	ord 2,805	2,805
BlackRock Advisors (UK) Limited	15-Nov-16	yes	10.00	on mkt buy	AUD	ord 2,918	2,918
BlackRock Fund Advisors	15-Nov-16	no	n/a	in specie	AUD	ord 170	170
BlackRock Fund Advisors	16-Nov-16	no	n/a	in specie	AUD	ord 2,244	2,244
BlackRock Fund Advisors	16-Nov-16	no	n/a	in specie	AUD	ord 2,805	2,805
BlackRock Advisors (UK) Limited	16-Nov-16	yes	10.00	on mkt buy	AUD	ord 1,453	1,453
BlackRock Advisors (UK) Limited	16-Nov-16	yes	10.00	on mkt buy	AUD	ord 5,812	5,812
BlackRock Advisors (UK) Limited	16-Nov-16	yes	10.00	on mkt buy	AUD	ord 306	306
BlackRock Investment Management (Australia) Limited	16-Nov-16	yes	10.00	on mkt buy	AUD	ord 1,720	1,720
BlackRock Financial Management, Inc.	16-Nov-16	yes	10.00	on mkt buy	AUD	ord 9,340	9,340
BlackRock Investment Management (Australia) Limited	17-Nov-16	yes	10.00	on mkt buy	AUD	ord 2,076	2,076
BlackRock Advisors (UK) Limited	17-Nov-16	yes	10.00	on mkt buy	AUD	ord 5,369	5,369
BlackRock Advisors (UK) Limited	17-Nov-16	yes	10.00	on mkt buy	AUD	ord 52,999	52,999
BlackRock Fund Advisors	17-Nov-16	no	n/a	in specie	AUD	ord 2,128	2,128
BlackRock Fund Advisors	17-Nov-16	no	n/a	in specie	AUD	ord 3,952	3,952
BlackRock Fund Advisors	17-Nov-16	no	n/a	in specie	AUD	ord 9,503	9,503
BlackRock Advisors (UK) Limited	17-Nov-16	yes	10.00	on mkt buy	AUD	ord 2,906	2,906
BlackRock Advisors (UK) Limited	17-Nov-16	yes	10.00	on mkt buy	AUD	ord 4,401	4,401
BlackRock Advisors (UK) Limited	17-Nov-16	yes	10.00	on mkt buy	AUD	ord 42,284	42,284
BlackRock Advisors (UK) Limited	17-Nov-16	yes	10.00	on mkt buy	AUD	ord 1,146	1,146
BlackRock Advisors (UK) Limited	17-Nov-16	yes	10.00	on mkt buy	AUD	ord 612	612
BlackRock Advisors (UK) Limited	17-Nov-16	yes	10.00	on mkt buy	AUD	ord 1,377	1,377
BlackRock Fund Advisors	18-Nov-16	no	n/a	in specie	AUD	ord 1,110	1,110

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected
			Cash	Non-cash	CCY		
BlackRock Advisors (UK) Limited	18-Nov-16	yes	10.00	on mkt buy	AUD	ord 4,398	4,398
BlackRock Advisors (UK) Limited	18-Nov-16	yes	10.00	on mkt buy	AUD	ord 19,058	19,058
BlackRock Advisors (UK) Limited	18-Nov-16	yes	10.00	on mkt buy	AUD	ord 245	245
BlackRock Fund Advisors	18-Nov-16	no	n/a	in specie	AUD	ord 34,086	34,086
BlackRock Advisors (UK) Limited	21-Nov-16	no	n/a	in specie	AUD	ord 7,475	7,475
BlackRock Investment Management (UK) Limited	21-Nov-16	no	n/a	in specie	AUD	ord 7,321	7,321
BlackRock Advisors (UK) Limited	21-Nov-16	yes	10.00	on mkt buy	AUD	ord 5,812	5,812
BlackRock Advisors (UK) Limited	22-Nov-16	yes	10.00	on mkt buy	AUD	ord 1,453	1,453
BlackRock Advisors (UK) Limited	22-Nov-16	yes	10.00	on mkt buy	AUD	ord 1,146	1,146
BlackRock Fund Advisors	23-Nov-16	no	n/a	in specie	AUD	ord 1,520	1,520
BlackRock Fund Advisors	23-Nov-16	no	n/a	in specie	AUD	ord 1,110	1,110
BlackRock Fund Advisors	23-Nov-16	no	n/a	in specie	AUD	ord 3,700	3,700
BlackRock Advisors (UK) Limited	23-Nov-16	yes	10.00	on mkt buy	AUD	ord 382	382
BlackRock Fund Advisors	25-Nov-16	no	n/a	in specie	AUD	ord 5,031	5,031
BlackRock Advisors (UK) Limited	28-Nov-16	yes	10.00	on mkt buy	AUD	ord 1,158	1,158
BlackRock Advisors (UK) Limited	28-Nov-16	yes	10.00	on mkt buy	AUD	ord 612	612
BlackRock Investment Management (Australia) Limited	29-Nov-16	yes	10.00	on mkt buy	AUD	ord 2,076	2,076
BlackRock Fund Advisors	29-Nov-16	no	n/a	in specie	AUD	ord 4,472	4,472
BlackRock Advisors (UK) Limited	29-Nov-16	yes	10.00	on mkt buy	AUD	ord 1,454	1,454
BlackRock Advisors (UK) Limited	29-Nov-16	yes	10.00	on mkt buy	AUD	ord 955	955
BlackRock Advisors (UK) Limited	29-Nov-16	yes	10.00	on mkt buy	AUD	ord 459	459
BlackRock Fund Advisors	29-Nov-16	no	n/a	in specie	AUD	ord 16,930	16,930
BlackRock Institutional Trust Company, National Association	30-Nov-16	yes	10.00	on mkt buy	AUD	ord 12,227	12,227
BlackRock Asset Management Canada Limited	30-Nov-16	yes	10.00	on mkt buy	AUD	ord 24,118	24,118
BlackRock Institutional Trust Company, National Association	30-Nov-16	yes	10.00	on mkt buy	AUD	ord 55,649	55,649
BlackRock Institutional Trust Company, National Association	30-Nov-16	yes	10.00	on mkt buy	AUD	ord 59,771	59,771
BlackRock Institutional Trust Company, National Association	30-Nov-16	yes	10.00	on mkt buy	AUD	ord 39,700	39,700
BlackRock Fund Advisors	30-Nov-16	yes	10.00	on mkt buy	AUD	ord 2,491	2,491
BlackRock Fund Advisors	30-Nov-16	yes	10.00	on mkt buy	AUD	ord 2,676	2,676
BlackRock Advisors (UK) Limited	30-Nov-16	yes	10.00	on mkt buy	AUD	ord 11,497	11,497
BlackRock Advisors (UK) Limited	30-Nov-16	yes	10.00	on mkt buy	AUD	ord 8,405	8,405
BlackRock Advisors (UK) Limited	30-Nov-16	yes	10.00	on mkt buy	AUD	ord 15,472	15,472
BlackRock Fund Advisors	30-Nov-16	yes	10.00	on mkt buy	AUD	ord 366	366
BlackRock Institutional Trust Company, National Association	30-Nov-16	yes	10.00	on mkt buy	AUD	ord 4,221	4,221
BlackRock Institutional Trust Company, National Association	30-Nov-16	yes	10.00	on mkt buy	AUD	ord 3,929	3,929
BlackRock Institutional Trust Company, National Association	30-Nov-16	yes	10.00	on mkt buy	AUD	ord 9,518	9,518
BlackRock Investment Management (Australia) Limited	30-Nov-16	yes	10.00	on mkt buy	AUD	ord 2,340	2,340
BlackRock Institutional Trust Company, National Association	30-Nov-16	yes	10.00	on mkt buy	AUD	ord 6,219	6,219
BlackRock Investment Management, LLC	30-Nov-16	yes	10.00	on mkt buy	AUD	ord 148	148
BlackRock Investment Management, LLC	30-Nov-16	yes	10.00	on mkt buy	AUD	ord 159	159
BlackRock Institutional Trust Company, National Association	30-Nov-16	yes	10.00	on mkt buy	AUD	ord 59,040	59,040
BlackRock Institutional Trust Company, National Association	30-Nov-16	yes	10.00	on mkt buy	AUD	ord 63,413	63,413
BlackRock Institutional Trust Company, National Association	01-Dec-16	yes	11.00	on mkt buy	AUD	ord 40,873	40,873
BlackRock Japan Co., Ltd.	02-Dec-16	yes	10.00	on mkt buy	AUD	ord 2,998	2,998
BlackRock Fund Advisors	02-Dec-16	no	n/a	in specie	AUD	ord 5,630	5,630
BlackRock Fund Advisors	02-Dec-16	yes	10.00	on mkt buy	AUD	ord 5,345	5,345
BlackRock Fund Advisors	02-Dec-16	no	n/a	in specie	AUD	ord 935	935
BlackRock Investment Management (Australia) Limited	05-Dec-16	yes	10.00	on mkt buy	AUD	ord 1,756	1,756
BlackRock Japan Co., Ltd.	05-Dec-16	yes	10.00	on mkt buy	AUD	ord 2,997	2,997
BlackRock Fund Advisors	06-Dec-16	no	n/a	in specie	AUD	ord 1,110	1,110
BlackRock Fund Advisors	06-Dec-16	no	n/a	in specie	AUD	ord 2,220	2,220
BlackRock Advisors (UK) Limited	06-Dec-16	yes	10.00	on mkt buy	AUD	ord 8,652	8,652
BlackRock Investment Management (UK) Limited	06-Dec-16	yes	10.00	on mkt buy	AUD	ord 11,984	11,984
BlackRock Institutional Trust Company, National Association	06-Dec-16	yes	10.00	on mkt buy	AUD	ord 6,902	6,902
BlackRock Fund Advisors	07-Dec-16	no	n/a	in specie	AUD	ord 2,815	2,815
BlackRock Fund Advisors	07-Dec-16	no	n/a	in specie	AUD	ord 8,445	8,445

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected
			Cash	Non-cash	CCY		
BlackRock Investment Management (Australia) Limited	07-Dec-16	yes	10.00	on mkt buy	AUD	ord 6,944	6,944
BlackRock Institutional Trust Company, National Association	07-Dec-16	no	n/a	in specie	AUD	ord 17,437	17,437
BlackRock Fund Advisors	07-Dec-16	no	n/a	in specie	AUD	ord 13,528	13,528
BlackRock Fund Advisors	07-Dec-16	no	n/a	in specie	AUD	ord 13,528	13,528
BlackRock Fund Advisors	07-Dec-16	no	n/a	in specie	AUD	ord 10,146	10,146
BlackRock Investment Management (Australia) Limited	09-Dec-16	yes	10.00	on mkt buy	AUD	ord 2,170	2,170
BlackRock Investment Management (Australia) Limited	09-Dec-16	yes	10.00	on mkt buy	AUD	ord 2,559	2,559
BlackRock Investment Management (UK) Limited	09-Dec-16	no	n/a	in specie	AUD	ord 1,877	1,877
BlackRock Investment Management (UK) Limited	09-Dec-16	no	n/a	in specie	AUD	ord 622	622
BlackRock Investment Management (UK) Limited	09-Dec-16	no	n/a	in specie	AUD	ord 718	718
BlackRock Investment Management (UK) Limited	09-Dec-16	no	n/a	in specie	AUD	ord 1,246	1,246
BlackRock Investment Management (UK) Limited	09-Dec-16	no	n/a	in specie	AUD	ord 1,310	1,310
BlackRock Investment Management (UK) Limited	09-Dec-16	no	n/a	in specie	AUD	ord 1,653	1,653
BlackRock Financial Management, Inc.	09-Dec-16	no	n/a	collateral transfer	AUD	ord 18,804	18,804
BlackRock Investment Management (UK) Limited	09-Dec-16	no	n/a	collateral transfer	AUD	ord 1,065,716	1,065,716
BlackRock Fund Advisors	09-Dec-16	no	n/a	in specie	AUD	ord 8,420	8,420
BlackRock Fund Advisors	09-Dec-16	no	n/a	in specie	AUD	ord 5,630	5,630
BlackRock Advisors (UK) Limited	09-Dec-16	yes	10.00	on mkt buy	AUD	ord 1,592	1,592
BlackRock Advisors (UK) Limited	09-Dec-16	yes	10.00	on mkt buy	AUD	ord 1,156	1,156
BlackRock Fund Advisors	09-Dec-16	no	n/a	in specie	AUD	ord 10,146	10,146
BlackRock Institutional Trust Company, National Association	12-Dec-16	yes	10.00	on mkt buy	AUD	ord 14,953	14,953
BlackRock Advisors (UK) Limited	12-Dec-16	no	n/a	collateral transfer	AUD	ord 1,086,664	1,086,664
BlackRock Advisors (UK) Limited	12-Dec-16	yes	10.00	on mkt buy	AUD	ord 1,442	1,442
BlackRock Advisors (UK) Limited	12-Dec-16	yes	10.00	on mkt buy	AUD	ord 1,467	1,467
BlackRock Fund Advisors	12-Dec-16	no	n/a	in specie	AUD	ord 170	170
BlackRock Japan Co., Ltd.	12-Dec-16	yes	10.00	on mkt buy	AUD	ord 621	621
BlackRock Capital Management, Inc.	13-Dec-16	no	n/a	collateral transfer	AUD	ord 1,638	1,638
BlackRock Investment Management (UK) Limited	13-Dec-16	no	n/a	collateral transfer	AUD	ord 1,080,410	1,080,410
BlackRock Fund Advisors	13-Dec-16	no	n/a	in specie	AUD	ord 3,941	3,941
BlackRock Fund Advisors	13-Dec-16	no	n/a	in specie	AUD	ord 2,804	2,804
BlackRock Advisors (UK) Limited	14-Dec-16	no	n/a	collateral transfer	AUD	ord 1,078,160	1,078,160
BlackRock Institutional Trust Company, National Association	14-Dec-16	no	n/a	in specie	AUD	ord 8,504	8,504
BlackRock Fund Advisors	14-Dec-16	no	n/a	in specie	AUD	ord 14,735	14,735
BlackRock Fund Advisors	14-Dec-16	no	n/a	in specie	AUD	ord 7,319	7,319
BlackRock Fund Advisors	14-Dec-16	no	n/a	in specie	AUD	ord 5,630	5,630
BlackRock Fund Advisors	14-Dec-16	no	n/a	in specie	AUD	ord 3,505	3,505
BlackRock Advisors (UK) Limited	14-Dec-16	yes	10.00	on mkt buy	AUD	ord 608	608
BlackRock Fund Advisors	14-Dec-16	no	n/a	in specie	AUD	ord 170	170
BlackRock Investment Management (Australia) Limited	15-Dec-16	yes	10.00	on mkt buy	AUD	ord 71,937	71,937
BlackRock (Singapore) Limited	15-Dec-16	no	n/a	collateral transfer	AUD	ord 186,116	186,116
BlackRock Financial Management, Inc.	15-Dec-16	no	n/a	collateral transfer	AUD	ord 271,633	271,633
BlackRock Investment Management, LLC	15-Dec-16	no	n/a	collateral transfer	AUD	ord 18,555	18,555
BlackRock Investment Management (UK) Limited	15-Dec-16	no	n/a	collateral transfer	AUD	ord 603,064	603,064
BlackRock Fund Advisors	15-Dec-16	no	n/a	in specie	AUD	ord 1,480	1,480
BlackRock Fund Advisors	15-Dec-16	no	n/a	in specie	AUD	ord 4,210	4,210
BlackRock Advisors (UK) Limited	16-Dec-16	no	n/a	collateral transfer	AUD	ord 1,076,584	1,076,584
BlackRock Investment Management (UK) Limited	16-Dec-16	yes	10.00	on mkt buy	AUD	ord 7,108	7,108
BlackRock Investment Management (UK) Limited	16-Dec-16	yes	10.00	on mkt buy	AUD	ord 17,167	17,167
BlackRock Fund Advisors	16-Dec-16	no	n/a	in specie	AUD	ord 1,850	1,850

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Fund Advisors	16-Dec-16	no	n/a	in specie	AUD	ord	12,630	12,630
BlackRock Institutional Trust Company, National Association	16-Dec-16	yes	10.00	on mkt buy	AUD	ord	23,351	23,351
BlackRock Asset Management Canada Limited	16-Dec-16	yes	10.00	on mkt buy	AUD	ord	2,729	2,729
BlackRock Investment Management (UK) Limited	16-Dec-16	yes	10.00	on mkt buy	AUD	ord	65,378	65,378
BlackRock Investment Management (Australia) Limited	19-Dec-16	yes	10.00	on mkt buy	AUD	ord	1,252	1,252
BlackRock Investment Management (UK) Limited	19-Dec-16	no	n/a	collateral transfer	AUD	ord	78,767	78,767
BlackRock Asset Management North Asia Limited	19-Dec-16	no	n/a	collateral transfer	AUD	ord	32,812	32,812
BlackRock Investment Management (Australia) Limited	19-Dec-16	no	n/a	in specie	AUD	ord	311,211	311,211
BlackRock Investment Management (Australia) Limited	19-Dec-16	yes	10.00	on mkt buy	AUD	ord	5,208	5,208
BlackRock Asset Management Canada Limited	19-Dec-16	yes	10.00	on mkt buy	AUD	ord	2,129	2,129
BlackRock Advisors (UK) Limited	19-Dec-16	yes	10.00	on mkt buy	AUD	ord	245	245
BlackRock Investment Management (Australia) Limited	20-Dec-16	yes	10.00	on mkt buy	AUD	ord	3,811	3,811
BlackRock Investment Management (Australia) Limited	20-Dec-16	yes	10.00	on mkt buy	AUD	ord	8,793	8,793
BlackRock Advisors (UK) Limited	21-Dec-16	no	n/a	collateral transfer	AUD	ord	1,078,216	1,078,216
BlackRock Advisors (UK) Limited	21-Dec-16	yes	10.00	on mkt buy	AUD	ord	2,189	2,189
BlackRock Advisors (UK) Limited	21-Dec-16	yes	10.00	on mkt buy	AUD	ord	190	190
BlackRock Investment Management (Australia) Limited	21-Dec-16	yes	10.00	on mkt buy	AUD	ord	4,805	4,805
BlackRock Advisors (UK) Limited	22-Dec-16	no	n/a	collateral transfer	AUD	ord	1,008	1,008
BlackRock Investment Management, LLC	22-Dec-16	no	n/a	collateral transfer	AUD	ord	1	1
BlackRock Investment Management (UK) Limited	22-Dec-16	no	n/a	collateral transfer	AUD	ord	2	2
BlackRock Investment Management (UK) Limited	22-Dec-16	yes	10.00	on mkt buy	AUD	ord	1,840	1,840
BlackRock Fund Advisors	22-Dec-16	no	n/a	in specie	AUD	ord	1,520	1,520
BlackRock Fund Advisors	22-Dec-16	no	n/a	in specie	AUD	ord	1,480	1,480
BlackRock Fund Advisors	22-Dec-16	no	n/a	in specie	AUD	ord	1,850	1,850
BlackRock Fund Advisors	23-Dec-16	no	n/a	in specie	AUD	ord	16,712	16,712
BlackRock Fund Advisors	23-Dec-16	yes	10.00	on mkt buy	AUD	ord	6,622	6,622
BlackRock Japan Co., Ltd.	27-Dec-16	no	n/a	collateral transfer	AUD	ord	2,910	2,910
BlackRock Advisors (UK) Limited	27-Dec-16	no	n/a	collateral transfer	AUD	ord	1,020,938	1,020,938
BlackRock Fund Advisors	27-Dec-16	no	n/a	in specie	AUD	ord	1,110	1,110
BlackRock Advisors (UK) Limited	28-Dec-16	no	n/a	collateral transfer	AUD	ord	2,910	2,910
BlackRock Fund Advisors	28-Dec-16	no	n/a	in specie	AUD	ord	1,520	1,520
BlackRock Fund Advisors	28-Dec-16	no	n/a	in specie	AUD	ord	4,178	4,178
BlackRock Fund Advisors	28-Dec-16	yes	10.00	on mkt buy	AUD	ord	16,247	16,247
BlackRock Fund Advisors	28-Dec-16	yes	10.00	on mkt buy	AUD	ord	5,891	5,891
BlackRock Fund Advisors	28-Dec-16	no	n/a	in specie	AUD	ord	1,674	1,674
BlackRock Fund Advisors	28-Dec-16	no	n/a	in specie	AUD	ord	5,580	5,580
BlackRock Advisors (UK) Limited	29-Dec-16	yes	10.00	on mkt buy	AUD	ord	1,443	1,443
BlackRock Advisors (UK) Limited	29-Dec-16	yes	10.00	on mkt buy	AUD	ord	2,886	2,886
BlackRock Japan Co., Ltd.	30-Dec-16	no	n/a	collateral transfer	AUD	ord	36,906	36,906
BlackRock Financial Management, Inc.	30-Dec-16	no	n/a	collateral transfer	AUD	ord	28,553	28,553
BlackRock Investment Management, LLC	30-Dec-16	no	n/a	collateral transfer	AUD	ord	98,418	98,418
BlackRock Investment Management (UK) Limited	30-Dec-16	no	n/a	collateral transfer	AUD	ord	385,809	385,809
BlackRock Asset Management North Asia Limited	30-Dec-16	no	n/a	collateral transfer	AUD	ord	34,203	34,203
BlackRock Advisors (UK) Limited	30-Dec-16	yes	10.00	on mkt buy	AUD	ord	597	597
BlackRock Advisors (UK) Limited	30-Dec-16	yes	10.00	on mkt buy	AUD	ord	532	532
BlackRock Institutional Trust Company, National Association	30-Dec-16	yes	10.00	on mkt buy	AUD	ord	1,147	1,147
BlackRock Japan Co., Ltd.	03-Jan-17	no	n/a	collateral transfer	AUD	ord	2,249	2,249

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected
			Cash	Non-cash	CCY		
BlackRock Advisors (UK) Limited	03-Jan-17	no	n/a	collateral transfer	AUD	ord 3,040	3,040
BlackRock Financial Management, Inc.	03-Jan-17	no	n/a	collateral transfer	AUD	ord 1,781	1,781
BlackRock Investment Management, LLC	03-Jan-17	no	n/a	collateral transfer	AUD	ord 10,112	10,112
BlackRock Asset Management North Asia Limited	03-Jan-17	no	n/a	collateral transfer	AUD	ord 2,084	2,084
BlackRock Institutional Trust Company, National Association	03-Jan-17	no	n/a	in specie	AUD	ord 27,845	27,845
BlackRock Investment Management (UK) Limited	03-Jan-17	no	n/a	collateral transfer	AUD	ord 518,281	518,281
BlackRock Institutional Trust Company, National Association	03-Jan-17	no	n/a	in specie	AUD	ord 21,400	21,400
BlackRock Fund Advisors	03-Jan-17	no	n/a	in specie	AUD	ord 13,284	13,284
BlackRock Advisors (UK) Limited	04-Jan-17	no	n/a	collateral transfer	AUD	ord 873,103	873,103
BlackRock Fund Advisors	04-Jan-17	no	n/a	in specie	AUD	ord 5,580	5,580
BlackRock Advisors (UK) Limited	04-Jan-17	yes	10.00	on mkt buy	AUD	ord 1,520	1,520
BlackRock Investment Management (UK) Limited	05-Jan-17	no	n/a	collateral transfer	AUD	ord 164,160	164,160
BlackRock Investment Management (UK) Limited	05-Jan-17	yes	10.00	on mkt buy	AUD	ord 760	760
BlackRock Fund Advisors	05-Jan-17	no	n/a	in specie	AUD	ord 2,432	2,432
BlackRock Fund Advisors	05-Jan-17	no	n/a	in specie	AUD	ord 16,712	16,712
BlackRock Fund Advisors	05-Jan-17	no	n/a	in specie	AUD	ord 6,384	6,384
BlackRock Fund Advisors	05-Jan-17	no	n/a	in specie	AUD	ord 6,696	6,696
BlackRock Fund Advisors	05-Jan-17	no	n/a	in specie	AUD	ord 7,812	7,812
BlackRock Fund Advisors	05-Jan-17	no	n/a	in specie	AUD	ord 1,488	1,488
BlackRock Advisors (UK) Limited	05-Jan-17	yes	10.00	on mkt buy	AUD	ord 1,194	1,194
BlackRock Advisors (UK) Limited	05-Jan-17	yes	10.00	on mkt buy	AUD	ord 199	199
BlackRock Advisors (UK) Limited	05-Jan-17	yes	10.00	on mkt buy	AUD	ord 225	225
BlackRock Advisors (UK) Limited	05-Jan-17	yes	10.00	on mkt buy	AUD	ord 225	225
BlackRock Fund Advisors	05-Jan-17	no	n/a	in specie	AUD	ord 170	170
BlackRock Advisors (UK) Limited	06-Jan-17	no	n/a	collateral transfer	AUD	ord 67,612	67,612
BlackRock Fund Advisors	06-Jan-17	no	n/a	in specie	AUD	ord 3,192	3,192
BlackRock Advisors (UK) Limited	06-Jan-17	yes	10.00	on mkt buy	AUD	ord 1,918	1,918
BlackRock Advisors (UK) Limited	06-Jan-17	yes	10.00	on mkt buy	AUD	ord 768	768
BlackRock Investment Management, LLC	06-Jan-17	yes	10.00	on mkt buy	AUD	ord 1,171	1,171
BlackRock Fund Advisors	06-Jan-17	no	n/a	in specie	AUD	ord 33,210	33,210
BlackRock Advisors (UK) Limited	09-Jan-17	no	n/a	collateral transfer	AUD	ord 90,800	90,800
BlackRock Fund Advisors	09-Jan-17	no	n/a	in specie	AUD	ord 4,178	4,178
BlackRock Fund Advisors	09-Jan-17	no	n/a	in specie	AUD	ord 10,445	10,445
BlackRock Japan Co., Ltd.	10-Jan-17	no	n/a	collateral transfer	AUD	ord 45,390	45,390
BlackRock Financial Management, Inc.	10-Jan-17	no	n/a	collateral transfer	AUD	ord 41,471	41,471
BlackRock Investment Management, LLC	10-Jan-17	no	n/a	collateral transfer	AUD	ord 173,535	173,535
BlackRock Investment Management (UK) Limited	10-Jan-17	no	n/a	collateral transfer	AUD	ord 630,084	630,084
BlackRock Asset Management North Asia Limited	10-Jan-17	no	n/a	collateral transfer	AUD	ord 51,081	51,081
BlackRock Fund Advisors	10-Jan-17	no	n/a	in specie	AUD	ord 5,608	5,608
BlackRock Japan Co., Ltd.	11-Jan-17	no	n/a	collateral transfer	AUD	ord 7,058	7,058
BlackRock Financial Management, Inc.	11-Jan-17	no	n/a	collateral transfer	AUD	ord 7,941	7,941
BlackRock Investment Management, LLC	11-Jan-17	no	n/a	collateral transfer	AUD	ord 33,109	33,109
BlackRock Asset Management North Asia Limited	11-Jan-17	no	n/a	collateral transfer	AUD	ord 11,378	11,378
BlackRock Fund Advisors	11-Jan-17	no	n/a	in specie	AUD	ord 7,254	7,254
BlackRock Investment Management (UK) Limited	12-Jan-17	no	n/a	in specie	AUD	ord 2,261	2,261
BlackRock Advisors (UK) Limited	12-Jan-17	no	n/a	collateral transfer	AUD	ord 923,152	923,152
BlackRock Fund Advisors	12-Jan-17	no	n/a	in specie	AUD	ord 5,580	5,580
BlackRock Fund Advisors	12-Jan-17	no	n/a	in specie	AUD	ord 16,605	16,605
BlackRock Asset Management North Asia Limited	13-Jan-17	yes	10.00	on mkt buy	AUD	ord 5,080	5,080
BlackRock Japan Co., Ltd.	13-Jan-17	no	n/a	collateral transfer	AUD	ord 249,347	249,347

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected
			Cash	Non-cash	CCY		
BlackRock Advisors (UK) Limited	13-Jan-17	no	n/a	collateral transfer	AUD	ord 360	360
BlackRock Institutional Trust Company, National Association	13-Jan-17	no	n/a	in specie	AUD	ord 2,993	2,993
BlackRock Investment Management (UK) Limited	13-Jan-17	yes	10.00	on mkt buy	AUD	ord 1,876	1,876
BlackRock Fund Advisors	13-Jan-17	no	n/a	in specie	AUD	ord 8,370	8,370
BlackRock Fund Advisors	13-Jan-17	no	n/a	in specie	AUD	ord 464	464
BlackRock Fund Advisors	13-Jan-17	no	n/a	in specie	AUD	ord 13,284	13,284
BlackRock Investment Management (Australia) Limited	16-Jan-17	yes	10.00	on mkt buy	AUD	ord 44,112	44,112
BlackRock Capital Management, Inc.	16-Jan-17	no	n/a	collateral transfer	AUD	ord 1,936	1,936
BlackRock Investment Management (UK) Limited	16-Jan-17	no	n/a	collateral transfer	AUD	ord 909,496	909,496
BlackRock Advisors (UK) Limited	16-Jan-17	yes	10.00	on mkt buy	AUD	ord 4,392	4,392
BlackRock Investment Management (Australia) Limited	16-Jan-17	yes	10.00	on mkt buy	AUD	ord 3,036	3,036
BlackRock Advisors (UK) Limited	17-Jan-17	yes	10.00	on mkt buy	AUD	ord 1,592	1,592
BlackRock Advisors (UK) Limited	17-Jan-17	yes	10.00	on mkt buy	AUD	ord 533	533
BlackRock Institutional Trust Company, National Association	17-Jan-17	no	n/a	in specie	AUD	ord 17,507	17,507
BlackRock Fund Advisors	17-Jan-17	no	n/a	in specie	AUD	ord 13,284	13,284
BlackRock Advisors (UK) Limited	18-Jan-17	no	n/a	collateral transfer	AUD	ord 898,832	898,832
BlackRock Fund Advisors	18-Jan-17	no	n/a	in specie	AUD	ord 8,370	8,370
BlackRock Advisors (UK) Limited	18-Jan-17	yes	11.00	on mkt buy	AUD	ord 2,884	2,884
BlackRock Financial Management, Inc.	19-Jan-17	yes	11.00	on mkt buy	AUD	ord 1,502	1,502
BlackRock Investment Management (UK) Limited	19-Jan-17	no	n/a	collateral transfer	AUD	ord 76,440	76,440
BlackRock Advisors (UK) Limited	19-Jan-17	yes	11.00	on mkt buy	AUD	ord 1,442	1,442
BlackRock Advisors (UK) Limited	19-Jan-17	yes	11.00	on mkt buy	AUD	ord 1,442	1,442
BlackRock Advisors (UK) Limited	19-Jan-17	yes	11.00	on mkt buy	AUD	ord 1,393	1,393
BlackRock Japan Co., Ltd.	20-Jan-17	no	n/a	collateral transfer	AUD	ord 41,780	41,780
BlackRock Financial Management, Inc.	20-Jan-17	no	n/a	collateral transfer	AUD	ord 48,837	48,837
BlackRock Investment Management, LLC	20-Jan-17	no	n/a	collateral transfer	AUD	ord 189,035	189,035
BlackRock Investment Management (UK) Limited	20-Jan-17	no	n/a	collateral transfer	AUD	ord 441,570	441,570
BlackRock Asset Management North Asia Limited	20-Jan-17	no	n/a	collateral transfer	AUD	ord 79,874	79,874
BlackRock Advisors (UK) Limited	20-Jan-17	yes	11.00	on mkt buy	AUD	ord 1,194	1,194
BlackRock Advisors (UK) Limited	23-Jan-17	no	n/a	collateral transfer	AUD	ord 874,040	874,040
BlackRock Fund Advisors	23-Jan-17	no	n/a	in specie	AUD	ord 10,044	10,044
BlackRock Fund Advisors	23-Jan-17	no	n/a	in specie	AUD	ord 5,580	5,580
BlackRock Fund Advisors	23-Jan-17	no	n/a	in specie	AUD	ord 11,718	11,718
BlackRock Fund Advisors	23-Jan-17	no	n/a	in specie	AUD	ord 71,796	71,796
BlackRock Advisors (UK) Limited	23-Jan-17	yes	11.00	on mkt buy	AUD	ord 4,326	4,326
BlackRock Advisors (UK) Limited	23-Jan-17	yes	11.00	on mkt buy	AUD	ord 247	247
BlackRock Fund Advisors	23-Jan-17	no	n/a	in specie	AUD	ord 170	170
BlackRock Investment Management (Australia) Limited	24-Jan-17	yes	11.00	on mkt buy	AUD	ord 12,910	12,910
BlackRock Japan Co., Ltd.	24-Jan-17	no	n/a	collateral transfer	AUD	ord 859,023	859,023
BlackRock Capital Management, Inc.	24-Jan-17	no	n/a	collateral transfer	AUD	ord 1,726	1,726
BlackRock Investment Management (UK) Limited	24-Jan-17	no	n/a	collateral transfer	AUD	ord 866,114	866,114
BlackRock Fund Advisors	24-Jan-17	no	n/a	in specie	AUD	ord 8,356	8,356
BlackRock Fund Advisors	24-Jan-17	no	n/a	in specie	AUD	ord 6,696	6,696
BlackRock Fund Advisors	24-Jan-17	no	n/a	in specie	AUD	ord 5,022	5,022
BlackRock Fund Advisors	24-Jan-17	no	n/a	in specie	AUD	ord 2,232	2,232
BlackRock Fund Advisors	25-Jan-17	no	n/a	in specie	AUD	ord 8,356	8,356
BlackRock Fund Advisors	25-Jan-17	no	n/a	in specie	AUD	ord 930	930
BlackRock Advisors (UK) Limited	25-Jan-17	yes	11.00	on mkt buy	AUD	ord 2,884	2,884
BlackRock Advisors (UK) Limited	25-Jan-17	yes	11.00	on mkt buy	AUD	ord 248	248
BlackRock Advisors (UK) Limited	25-Jan-17	yes	11.00	on mkt buy	AUD	ord 3,472	3,472
BlackRock Advisors (UK) Limited	25-Jan-17	yes	11.00	on mkt buy	AUD	ord 597	597
BlackRock Investment Management (UK) Limited	25-Jan-17	yes	11.00	on mkt buy	AUD	ord 19,518	19,518
BlackRock Japan Co., Ltd.	26-Jan-17	no	n/a	collateral transfer	AUD	ord 18	18

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected
			Cash	Non-cash	CCY		
BlackRock Advisors (UK) Limited	26-Jan-17	no	n/a	collateral transfer	AUD	ord 858,248	858,248
BlackRock Japan Co., Ltd.	27-Jan-17	no	n/a	collateral transfer	AUD	ord 783	783
BlackRock Advisors (UK) Limited	27-Jan-17	yes	11.00	on mkt buy	AUD	ord 1,442	1,442
BlackRock Advisors (UK) Limited	27-Jan-17	yes	11.00	on mkt buy	AUD	ord 10,094	10,094
BlackRock Advisors (UK) Limited	27-Jan-17	yes	11.00	on mkt buy	AUD	ord 759	759
BlackRock Advisors (UK) Limited	27-Jan-17	yes	11.00	on mkt buy	AUD	ord 9,570	9,570
BlackRock Advisors (UK) Limited	27-Jan-17	yes	11.00	on mkt buy	AUD	ord 1,914	1,914
BlackRock Advisors (UK) Limited	27-Jan-17	yes	11.00	on mkt buy	AUD	ord 995	995
BlackRock Advisors (UK) Limited	27-Jan-17	yes	11.00	on mkt buy	AUD	ord 597	597
BlackRock Fund Advisors	27-Jan-17	no	n/a	in specie	AUD	ord 23,247	23,247
BlackRock Advisors (UK) Limited	30-Jan-17	no	n/a	in specie	AUD	ord 25,848	25,848
BlackRock Japan Co., Ltd.	30-Jan-17	no	n/a	collateral transfer	AUD	ord 7,128	7,128
BlackRock Advisors (UK) Limited	30-Jan-17	no	n/a	collateral transfer	AUD	ord 11,120	11,120
BlackRock Advisors (UK) Limited	30-Jan-17	yes	11.00	on mkt buy	AUD	ord 398	398
BlackRock Advisors (UK) Limited	30-Jan-17	yes	11.00	on mkt buy	AUD	ord 398	398
BlackRock Fund Advisors	30-Jan-17	no	n/a	in specie	AUD	ord 9,963	9,963
BlackRock Investment Management (Australia) Limited	31-Jan-17	yes	11.00	on mkt buy	AUD	ord 14,309	14,309
BlackRock Japan Co., Ltd.	31-Jan-17	no	n/a	collateral transfer	AUD	ord 12,247	12,247
BlackRock Investment Management, LLC	31-Jan-17	no	n/a	collateral transfer	AUD	ord 258,619	258,619
BlackRock Investment Management (UK) Limited	31-Jan-17	no	n/a	collateral transfer	AUD	ord 489,326	489,326
BlackRock Asset Management North Asia Limited	31-Jan-17	no	n/a	collateral transfer	AUD	ord 111,673	111,673
BlackRock Fund Advisors	31-Jan-17	no	n/a	in specie	AUD	ord 5,168	5,168
BlackRock Advisors (UK) Limited	31-Jan-17	yes	11.00	on mkt buy	AUD	ord 1,464	1,464
BlackRock Investment Management (UK) Limited	31-Jan-17	yes	11.00	on mkt buy	AUD	ord 17,751	17,751
BlackRock Advisors (UK) Limited	01-Feb-17	no	n/a	collateral transfer	AUD	ord 871,032	871,032
BlackRock Fund Advisors	01-Feb-17	no	n/a	in specie	AUD	ord 4,464	4,464
BlackRock Advisors (UK) Limited	01-Feb-17	yes	11.00	on mkt buy	AUD	ord 1,393	1,393
BlackRock Investment Management (Australia) Limited	01-Feb-17	yes	11.00	on mkt buy	AUD	ord 180,016	180,016
BlackRock Fund Advisors	01-Feb-17	no	n/a	in specie	AUD	ord 9,963	9,963
BlackRock Japan Co., Ltd.	02-Feb-17	no	n/a	collateral transfer	AUD	ord 47	47
BlackRock Investment Management (UK) Limited	02-Feb-17	no	n/a	collateral transfer	AUD	ord 344,176	344,176
BlackRock Fund Advisors	02-Feb-17	no	n/a	in specie	AUD	ord 5,022	5,022
BlackRock Advisors (UK) Limited	02-Feb-17	yes	11.00	on mkt buy	AUD	ord 1,442	1,442
BlackRock Advisors (UK) Limited	02-Feb-17	yes	11.00	on mkt buy	AUD	ord 1,914	1,914
BlackRock Advisors (UK) Limited	02-Feb-17	yes	11.00	on mkt buy	AUD	ord 226	226
BlackRock Japan Co., Ltd.	03-Feb-17	no	n/a	collateral transfer	AUD	ord 41	41
BlackRock Fund Advisors	03-Feb-17	no	n/a	in specie	AUD	ord 2,790	2,790
BlackRock Advisors (UK) Limited	03-Feb-17	yes	11.00	on mkt buy	AUD	ord 2,884	2,884
BlackRock Fund Advisors	03-Feb-17	no	n/a	in specie	AUD	ord 3,100	3,100
BlackRock Fund Advisors	03-Feb-17	no	n/a	in specie	AUD	ord 310	310
BlackRock Japan Co., Ltd.	06-Feb-17	no	n/a	collateral transfer	AUD	ord 19,752	19,752
BlackRock Advisors (UK) Limited	06-Feb-17	no	n/a	collateral transfer	AUD	ord 886,072	886,072
BlackRock Investment Management (UK) Limited	06-Feb-17	yes	11.00	on mkt buy	AUD	ord 8,089	8,089
BlackRock Investment Management (UK) Limited	06-Feb-17	yes	11.00	on mkt buy	AUD	ord 12,943	12,943
BlackRock Investment Management (UK) Limited	06-Feb-17	yes	11.00	on mkt buy	AUD	ord 35,805	35,805
BlackRock Investment Management (UK) Limited	06-Feb-17	yes	11.00	on mkt buy	AUD	ord 57,287	57,287
BlackRock Asset Management North Asia Limited	06-Feb-17	yes	11.00	on mkt buy	AUD	ord 9,770	9,770
BlackRock Asset Management North Asia Limited	06-Feb-17	yes	11.00	on mkt buy	AUD	ord 6,106	6,106
BlackRock Advisors (UK) Limited	06-Feb-17	yes	11.00	on mkt buy	AUD	ord 14,420	14,420
BlackRock Advisors (UK) Limited	06-Feb-17	yes	11.00	on mkt buy	AUD	ord 7,320	7,320
BlackRock Advisors (UK) Limited	06-Feb-17	yes	11.00	on mkt buy	AUD	ord 1,464	1,464
BlackRock Advisors (UK) Limited	06-Feb-17	yes	11.00	on mkt buy	AUD	ord 533	533

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Advisors (UK) Limited	06-Feb-17	yes	11.00	on mkt buy	AUD	ord	2,132	2,132
BlackRock Advisors (UK) Limited	06-Feb-17	yes	11.00	on mkt buy	AUD	ord	2,318	2,318
BlackRock Fund Advisors	06-Feb-17	no	n/a	in specie	AUD	ord	310	310
BlackRock Fund Advisors	06-Feb-17	no	n/a	in specie	AUD	ord	464	464

This is Annexure C of 1 pages referred to in form 603 Notice of initial substantial shareholder

Kayla Mulvihill,
Authorised Signatory

08-Feb-17
Date

7. Addresses

The addresses of persons named in this form are as follows:

Name	Address
BlackRock Group	
BlackRock Inc.	55 East 52nd Street New York NY 10055 USA
BlackRock (Netherlands) B.V.	Rembrandt Tower, 17th floor Amstelplein Amsterdam Netherlands
BlackRock (Singapore) Limited	20 Anson Road #18-01 079912 Singapore
BlackRock Advisors (UK) Limited	12 Throgmorton Avenue. London, EC2N 2DL, United Kingdom
BlackRock Advisors, LLC	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States
BlackRock Asset Management Canada Limited	161 Bay Street, Suite 2500 Toronto, Ontario M5J 2S1 Canada
BlackRock Asset Management North Asia Limited	15/F, 16/F, 17/F Citibank Tower & 17/F ICBC Tower, 3 Garden Road, Central, Hong Kong
BlackRock Capital Management, Inc.	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States
BlackRock Financial Management, Inc.	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States
BlackRock Fund Advisors	400 Howard Street San Francisco, CA, 94105 United States
BlackRock Institutional Trust Company, National Association	1225 17th Street, Suite 300, Denver, CO 80202 (Colorado, USA)
BlackRock International Limited	Exchange Place One, 1 Semple Street, Edinburgh, EH3 8BL, United Kingdom (Scotland, United Kingdom)
BlackRock Investment Management (Australia) Limited	Level 26, 101 Collins Street Melbourne VIC 3000 Australia (Victoria, Australia)
BlackRock Investment Management (UK) Limited	12 Throgmorton Avenue London EC2N 2DL United Kingdom
BlackRock Investment Management, LLC	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States
BlackRock Japan Co., Ltd.	Marunouchi Trust Tower Main, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-8217 (Japan)

This is Annexure D of 1 page referred to in form 603 Notice of initial substantial shareholder

08-Feb-17
 Kayla Mulvihill, Authorised Signatory Date

Type of agreement:	Global Master Securities Lending Agreement
Parties to agreement:	Party A - Citigroup Global Markets Limited Party B - HSBC Institutional Trust Services (Asia) Limited
Transfer date:	Refer to Annexure B (transactions identified as collateral transfers)
Holder of voting rights:	BlackRock Asset Management North Asia Limited (as investment manager for the funds)
Are there any restrictions on voting rights? If yes, detail	Yes. Unless otherwise agreed between the parties, the Registered Owner will not exercise any voting rights.
Scheduled return date (if any):	Not applicable.
Does the borrower have the right to return early? If yes, detail	Yes. Upon an Event of Default under the GMSLA, the GMSLA provides, broadly, that both parties payment and delivery obligations will be accelerated and replaced with an obligation of one party to pay a single cash sum to the other determined in accordance with the provisions of the GMSLA (as modified by the Annex). The GMSLA provides that the parties' right to terminate the Agreement upon notice will not affect the parties' existing obligations in respect of any outstanding loans of securities. The Annex amended and restricted the Borrower's termination rights – i.e. Borrower may not have the right to terminate and return the borrowed securities - as the Borrower was to borrow the securities issued by it (or its sister company) to provide protection against the insolvency of the issuer and so usual rights of termination in a GMSLA were restricted. Subject to the terms of the relevant Loan, the Borrower, may early terminate a Loan and return Equivalent Securities at any time provided that it "shall cease to have such entitlement if an Act of Insolvency with respect to any Security Issuer or any of the Borrower's or any Security Issuer's affiliates has occurred, or any such person takes any steps preparatory to any of the matters which would constitute an Act of Insolvency"
Does the lender have the right to recall early? If yes, detail	Yes, at notice.
Will the securities be returned on settlement? If yes, detail any exceptions	Yes.

A copy of this agreement will be provided to TREASURY WINE ESTATES LTD or the Australian Securities and Investments Commission upon request.