

**Form 604**

Corporations Act 2001  
Section 671B

**Notice of change of interests of substantial holder**

To Company Name/Scheme SARACEN MINERAL HOLDINGS LTD

ACN/ARSN 009 215 347

**1. Details of substantial holder(1)**

Name BlackRock Group (BlackRock Inc. and subsidiaries named in Annexures  
ACN/ARSN (if applicable) to this form)

There was a change in the interests of the  
substantial holder on 28 / 08 / 2019

The previous notice was given to the company on 23 / 05 / 2019

The previous notice was dated 21 / 05 / 2019

**2. Previous and present 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 when last required, and when now required, to give a substantial holding notice to the company or scheme, are as follows:

Class of securities (4)	Previous notice		Present notice	
	Person's votes	Voting power (5)	Person's votes	Voting power (5)
ord	75,818,805	9.24	68,097,126	8.17

**3. Changes in relevant interests**

Particulars of each change in, or change in the nature of, a relevant interest of the substantial holder or an associate in voting securities of the company or scheme, since the substantial holder was last required to give a substantial holding notice to the company or scheme are as follows:

Date of change	Person whose relevant interest changed	Nature of change (6)	Consideration given in relation to change (7)	Class and number of securities affected	Person's votes affected
	See Annexure A				

**4. Present relevant interests**

Particulars of each relevant interest of the substantial holder in voting securities after the change are as follows:

Holder of relevant interest	Registered holder of securities	Person entitled to be registered as holder (8)	Nature of relevant interest (6)	Class and number of securities	Person's votes
	See Annexure B				

## 5. Changes in association

The persons who have become associates (2) of, ceased to be associates of, or have changed the nature of their association (9) with, the substantial holder in relation to voting interests in the company or scheme are as follows:

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

## 6. Addresses

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

Name	Address
Annexure C	

## Signature

print name Maria Tricarico

capacity \*Authorised Signatory

sign here

date 30 / 08 / 2019

\* 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 6 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 person's votes divided by the total votes in the body corporate or scheme multiplied by 100.
- (6) Include details of:
  - (a) any relevant agreement or other circumstances because of which the change in relevant interest occurred. 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.
- (7) 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.
- (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) Give details, if appropriate, of the present association and any change in that association since the last substantial holding notice.

This is Annexure A of 6 pages referred to in form 604 Notice of change of interests of substantial shareholder

30-Aug-19

Maria Tricarico,  
Authorised Signatory

Date

## 5. Consideration

**SARACEN MINERAL HOLDINGS LTD (SAR)**

Date of Change	Person whose relevant interest changed	Nature of change (6) / Consideration given in relation to change (7)		CCY	Class and number of securities affected		Person's votes affected
22-May-19	BlackRock Advisors (UK) Limited	on mkt buy	3.18	AUD	ORD	1,097	1,097
22-May-19	BlackRock Advisors (UK) Limited	on mkt buy	3.18	AUD	ORD	4,895	4,895
22-May-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.20	AUD	ORD	-4,676	-4,676
22-May-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.20	AUD	ORD	-99,898	-99,898
22-May-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.20	AUD	ORD	-111,632	-111,632
22-May-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	10,620	10,620
22-May-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	21,240	21,240
22-May-19	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ORD	-59,775	-59,775
22-May-19	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ORD	59,775	59,775
23-May-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.23	AUD	ORD	-65,729	-65,729
23-May-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.24	AUD	ORD	-5,907	-5,907
23-May-19	BlackRock Fund Advisors	on mkt buy	3.24	AUD	ORD	133,224	133,224
23-May-19	BlackRock (Netherlands) B.V.	in specie	n/a	AUD	ORD	107,594	107,594
24-May-19	BlackRock Advisors (UK) Limited	on mkt buy	3.24	AUD	ORD	14,688	14,688
24-May-19	BlackRock Investment Management (Australia) Limited	on mkt buy	3.24	AUD	ORD	7,043	7,043
28-May-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.22	AUD	ORD	-68,720	-68,720
28-May-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.20	AUD	ORD	-2,661	-2,661
28-May-19	BlackRock Fund Advisors	on mkt sell	3.20	AUD	ORD	-56,682	-56,682
28-May-19	BlackRock Fund Advisors	on mkt buy	3.20	AUD	ORD	133,536	133,536
28-May-19	BlackRock Institutional Trust Company, National Association	on mkt buy	3.20	AUD	ORD	4,728	4,728
28-May-19	BlackRock Investment Management (Australia) Limited	on mkt buy	3.20	AUD	ORD	5,505	5,505
28-May-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.20	AUD	ORD	-13,927	-13,927
28-May-19	BlackRock Institutional Trust Company, National Association	on mkt buy	3.20	AUD	ORD	1,777	1,777
28-May-19	BlackRock Institutional Trust Company, National Association	on mkt buy	3.20	AUD	ORD	15,519	15,519
29-May-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.20	AUD	ORD	-2,692	-2,692
29-May-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.20	AUD	ORD	-64,486	-64,486
29-May-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.20	AUD	ORD	-31,298	-31,298
29-May-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.20	AUD	ORD	-73,858	-73,858
29-May-19	BlackRock Investment Management (Australia) Limited	on mkt buy	3.19	AUD	ORD	2,034	2,034
29-May-19	BlackRock Advisors (UK) Limited	on mkt buy	3.19	AUD	ORD	2,194	2,194
30-May-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.15	AUD	ORD	-24,895	-24,895
30-May-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	29,106	29,106
03-Jun-19	BlackRock Advisors (UK) Limited	on mkt buy	3.42	AUD	ORD	73,440	73,440
03-Jun-19	BlackRock Advisors (UK) Limited	on mkt buy	3.42	AUD	ORD	63,648	63,648
04-Jun-19	BlackRock Advisors (UK) Limited	on mkt buy	3.39	AUD	ORD	14,703	14,703
04-Jun-19	BlackRock Advisors (UK) Limited	on mkt buy	3.40	AUD	ORD	127,426	127,426
04-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.39	AUD	ORD	-24,570	-24,570

Date of Change	Person whose relevant interest changed	Nature of change (6) / Consideration given in relation to change (7)	CCY	Class and number of securities affected	Person's votes affected
05-Jun-19	BlackRock Investment Management (UK) Limited	on mkt sell 3.32	AUD	ORD -170,000	-170,000
05-Jun-19	BlackRock Japan Co., Ltd.	on mkt sell 3.29	AUD	ORD -4,652	-4,652
05-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt buy 3.26	AUD	ORD 3,051	3,051
05-Jun-19	BlackRock Fund Advisors	in specie n/a	AUD	ORD 16,445	16,445
06-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt sell 3.33	AUD	ORD -26,644	-26,644
06-Jun-19	BlackRock Japan Co., Ltd.	on mkt sell 3.28	AUD	ORD -39,176	-39,176
06-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt sell 3.33	AUD	ORD -30,950	-30,950
06-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt sell 3.33	AUD	ORD -6,013	-6,013
06-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt sell 3.33	AUD	ORD -22,888	-22,888
06-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt sell 3.38	AUD	ORD -5,085	-5,085
06-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt buy 3.38	AUD	ORD 2,034	2,034
07-Jun-19	BlackRock Advisors (UK) Limited	on mkt buy 3.38	AUD	ORD 92,587	92,587
07-Jun-19	BlackRock Advisors (UK) Limited	on mkt sell 3.38	AUD	ORD -28,976	-28,976
11-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt sell 3.24	AUD	ORD -12,342	-12,342
11-Jun-19	BlackRock Japan Co., Ltd.	on mkt buy 3.24	AUD	ORD 9,775	9,775
11-Jun-19	BlackRock Japan Co., Ltd.	on mkt buy 3.24	AUD	ORD 12,124	12,124
11-Jun-19	BlackRock Investment Management (UK) Limited	on mkt sell 3.23	AUD	ORD -567,620	-567,620
11-Jun-19	BlackRock Advisors (UK) Limited	on mkt buy 3.23	AUD	ORD 3,291	3,291
12-Jun-19	BlackRock Investment Management (UK) Limited	on mkt sell 3.35	AUD	ORD -200,000	-200,000
12-Jun-19	BlackRock Fund Advisors	in specie n/a	AUD	ORD -7,180	-7,180
13-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt sell 3.48	AUD	ORD -6,009	-6,009
13-Jun-19	BlackRock Institutional Trust Company, National Association	in specie n/a	AUD	ORD 16,976	16,976
13-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt buy 3.47	AUD	ORD 38,138	38,138
14-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt buy 3.59	AUD	ORD 9,484	9,484
14-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt buy 3.66	AUD	ORD 2,034	2,034
17-Jun-19	BlackRock Investment Management (UK) Limited	on mkt buy 3.54	AUD	ORD 137,825	137,825
17-Jun-19	BlackRock Advisors (UK) Limited	on mkt buy 3.52	AUD	ORD 4,876	4,876
17-Jun-19	BlackRock Advisors (UK) Limited	on mkt buy 3.52	AUD	ORD 48,760	48,760
17-Jun-19	BlackRock Fund Advisors	on mkt sell 3.52	AUD	ORD -1,863	-1,863
18-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt sell 3.58	AUD	ORD -2,705	-2,705
18-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt buy 3.62	AUD	ORD 69,937	69,937
19-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt buy 3.59	AUD	ORD 6,468	6,468
21-Jun-19	BlackRock Advisors (UK) Limited	on mkt buy 3.68	AUD	ORD 51,107	51,107
21-Jun-19	BlackRock Advisors (UK) Limited	on mkt buy 3.68	AUD	ORD 153,321	153,321
21-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt buy 3.68	AUD	ORD 7,136	7,136
21-Jun-19	BlackRock Advisors (UK) Limited	on mkt buy 3.68	AUD	ORD 45,963	45,963
21-Jun-19	BlackRock Fund Advisors	in specie n/a	AUD	ORD 6,016	6,016
24-Jun-19	BlackRock Advisors (UK) Limited	on mkt buy 3.63	AUD	ORD 10,216	10,216
24-Jun-19	BlackRock Advisors (UK) Limited	on mkt buy 3.63	AUD	ORD 25,540	25,540
24-Jun-19	BlackRock Fund Advisors	in specie n/a	AUD	ORD 3,948	3,948
25-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt sell 3.86	AUD	ORD -11,071	-11,071
25-Jun-19	BlackRock Advisors (UK) Limited	on mkt buy 3.89	AUD	ORD 137,943	137,943
25-Jun-19	BlackRock Advisors (UK) Limited	on mkt buy 3.85	AUD	ORD 102,180	102,180
25-Jun-19	BlackRock Advisors (UK) Limited	on mkt buy 3.85	AUD	ORD 1,097	1,097
25-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell 3.85	AUD	ORD -3,586	-3,586
26-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt buy 3.79	AUD	ORD 27,963	27,963
26-Jun-19	BlackRock Advisors (UK) Limited	on mkt buy 3.80	AUD	ORD 143,332	143,332
27-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt sell 3.72	AUD	ORD -7,157	-7,157

Date of Change	Person whose relevant interest changed	Nature of change (6) / Consideration given in relation to change (7)	CCY	Class and number of securities affected	Person's votes affected		
27-Jun-19	BlackRock Investment Management, LLC	on mkt buy	3.73	AUD	ORD	5,454	5,454
28-Jun-19	BlackRock Investment Management (UK) Limited	on mkt sell	3.69	AUD	ORD	-366,800	-366,800
28-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.68	AUD	ORD	-1,713	-1,713
28-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.68	AUD	ORD	-52,023	-52,023
28-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.68	AUD	ORD	-16,903	-16,903
28-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.68	AUD	ORD	-16,918	-16,918
28-Jun-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,444	2,444
01-Jul-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-8,556	-8,556
02-Jul-19	BlackRock Advisors (UK) Limited	on mkt buy	3.65	AUD	ORD	10,246	10,246
02-Jul-19	BlackRock Advisors (UK) Limited	on mkt buy	3.65	AUD	ORD	5,123	5,123
02-Jul-19	BlackRock Advisors (UK) Limited	on mkt buy	3.65	AUD	ORD	3,291	3,291
02-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt buy	3.65	AUD	ORD	16,734	16,734
03-Jul-19	BlackRock Advisors, LLC	on mkt sell	3.77	AUD	ORD	-14,078	-14,078
03-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt buy	3.78	AUD	ORD	14,531	14,531
04-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt buy	3.67	AUD	ORD	2,028	2,028
05-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.68	AUD	ORD	-5,600	-5,600
05-Jul-19	BlackRock Advisors (UK) Limited	on mkt buy	3.68	AUD	ORD	35,861	35,861
09-Jul-19	BlackRock Japan Co., Ltd.	on mkt buy	3.62	AUD	ORD	6,397	6,397
09-Jul-19	BlackRock Advisors (UK) Limited	on mkt buy	3.63	AUD	ORD	5,124	5,124
09-Jul-19	BlackRock Advisors (UK) Limited	on mkt buy	3.63	AUD	ORD	5,124	5,124
10-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.66	AUD	ORD	-60,090	-60,090
10-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt buy	3.67	AUD	ORD	11,466	11,466
10-Jul-19	BlackRock Advisors (UK) Limited	on mkt buy	3.65	AUD	ORD	10,248	10,248
10-Jul-19	BlackRock Advisors (UK) Limited	on mkt buy	3.62	AUD	ORD	25,620	25,620
11-Jul-19	BlackRock Advisors (UK) Limited	on mkt buy	3.79	AUD	ORD	30,750	30,750
12-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt buy	3.72	AUD	ORD	10,752	10,752
12-Jul-19	BlackRock Advisors (UK) Limited	on mkt sell	3.72	AUD	ORD	-36,898	-36,898
12-Jul-19	BlackRock Advisors (UK) Limited	on mkt buy	3.72	AUD	ORD	41,008	41,008
15-Jul-19	BlackRock Advisors (UK) Limited	on mkt buy	3.77	AUD	ORD	15,270	15,270
16-Jul-19	BlackRock Investment Management, LLC	on mkt buy	3.81	AUD	ORD	4,209	4,209
16-Jul-19	BlackRock Advisors (UK) Limited	on mkt buy	3.80	AUD	ORD	20,360	20,360
16-Jul-19	BlackRock Fund Advisors	on mkt buy	3.80	AUD	ORD	16,430	16,430
16-Jul-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	5,828	5,828
17-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt buy	3.84	AUD	ORD	25,770	25,770
17-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt buy	3.84	AUD	ORD	29,398	29,398
17-Jul-19	BlackRock Advisors (UK) Limited	on mkt sell	3.84	AUD	ORD	-5,485	-5,485
18-Jul-19	BlackRock Investment Management, LLC	on mkt buy	4.02	AUD	ORD	6,243	6,243
18-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.03	AUD	ORD	-6,167	-6,167
18-Jul-19	BlackRock Advisors (UK) Limited	on mkt buy	4.03	AUD	ORD	15,273	15,273
19-Jul-19	BlackRock Investment Management, LLC	on mkt buy	4.21	AUD	ORD	5,169	5,169
19-Jul-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,316	2,316
19-Jul-19	BlackRock Advisors (UK) Limited	on mkt buy	4.20	AUD	ORD	30,546	30,546
23-Jul-19	BlackRock Japan Co., Ltd.	on mkt buy	4.21	AUD	ORD	79,876	79,876
23-Jul-19	BlackRock Advisors (UK) Limited	on mkt buy	4.20	AUD	ORD	10,184	10,184
23-Jul-19	BlackRock Advisors (UK) Limited	on mkt buy	4.20	AUD	ORD	1,097	1,097
23-Jul-19	BlackRock Advisors (UK) Limited	on mkt buy	4.20	AUD	ORD	25,460	25,460
24-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.11	AUD	ORD	-54,804	-54,804
24-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.11	AUD	ORD	-40,064	-40,064
24-Jul-19	BlackRock Advisors (UK) Limited	on mkt sell	4.09	AUD	ORD	-50,930	-50,930
24-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.17	AUD	ORD	6,272	6,272

Date of Change	Person whose relevant interest changed	Nature of change (6) / Consideration given in relation to change (7)	CCY	Class and number of securities affected	Person's votes affected
25-Jul-19	BlackRock Investment Management, LLC	on mkt sell 4.13	AUD	ORD -13,877	-13,877
30-Jul-19	BlackRock Advisors (UK) Limited	on mkt sell 4.13	AUD	ORD -25,460	-25,460
31-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt sell 4.19	AUD	ORD -19,321	-19,321
31-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt sell 4.19	AUD	ORD -35,537	-35,537
01-Aug-19	BlackRock Advisors (UK) Limited	on mkt buy 4.10	AUD	ORD 1,097	1,097
01-Aug-19	BlackRock Investment Management, LLC	on mkt sell 4.04	AUD	ORD -1,744	-1,744
01-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt sell 4.05	AUD	ORD -18,164	-18,164
02-Aug-19	BlackRock Advisors, LLC	on mkt sell 4.30	AUD	ORD -6,406	-6,406
02-Aug-19	BlackRock Advisors (UK) Limited	on mkt buy 4.49	AUD	ORD 117,093	117,093
02-Aug-19	BlackRock Advisors (UK) Limited	on mkt buy 4.49	AUD	ORD 20,364	20,364
05-Aug-19	BlackRock Advisors (UK) Limited	on mkt buy 4.53	AUD	ORD 2,194	2,194
06-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt buy 4.45	AUD	ORD 6,272	6,272
06-Aug-19	BlackRock Advisors (UK) Limited	on mkt buy 4.50	AUD	ORD 387,220	387,220
06-Aug-19	BlackRock Investment Management (UK) Limited	on mkt buy 4.45	AUD	ORD 14,980	14,980
07-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt buy 4.62	AUD	ORD 585	585
07-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt buy 4.62	AUD	ORD 4,910	4,910
07-Aug-19	BlackRock Japan Co., Ltd.	on mkt sell 4.61	AUD	ORD -314	-314
07-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt buy 4.59	AUD	ORD 7,793	7,793
07-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt sell 4.62	AUD	ORD -62,814	-62,814
07-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt sell 4.62	AUD	ORD -32,654	-32,654
07-Aug-19	BlackRock Advisors (UK) Limited	on mkt buy 4.63	AUD	ORD 244,992	244,992
07-Aug-19	BlackRock Advisors (UK) Limited	on mkt sell 4.63	AUD	ORD -46,682	-46,682
08-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt buy 4.65	AUD	ORD 444	444
08-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt buy 4.65	AUD	ORD 391	391
08-Aug-19	BlackRock Advisors (UK) Limited	on mkt buy 4.64	AUD	ORD 45,639	45,639
09-Aug-19	BlackRock Investment Management (UK) Limited	on mkt sell 4.59	AUD	ORD -4,560	-4,560
09-Aug-19	BlackRock Japan Co., Ltd.	on mkt sell 4.59	AUD	ORD -4,792	-4,792
09-Aug-19	BlackRock Investment Management (UK) Limited	on mkt sell 4.59	AUD	ORD -33,673	-33,673
09-Aug-19	BlackRock Japan Co., Ltd.	on mkt sell 4.59	AUD	ORD -5,009	-5,009
09-Aug-19	BlackRock Investment Management (UK) Limited	on mkt sell 4.59	AUD	ORD -9,677	-9,677
09-Aug-19	BlackRock Investment Management (UK) Limited	on mkt sell 4.59	AUD	ORD -120,368	-120,368
09-Aug-19	BlackRock Advisors, LLC	on mkt sell 4.59	AUD	ORD -54	-54
09-Aug-19	BlackRock Advisors, LLC	on mkt sell 4.60	AUD	ORD -920	-920
09-Aug-19	BlackRock Investment Management (UK) Limited	on mkt sell 4.60	AUD	ORD -76,808	-76,808
09-Aug-19	BlackRock Japan Co., Ltd.	on mkt sell 4.60	AUD	ORD -80,700	-80,700
09-Aug-19	BlackRock Investment Management (UK) Limited	on mkt sell 4.60	AUD	ORD -567,096	-567,096
09-Aug-19	BlackRock Japan Co., Ltd.	on mkt sell 4.60	AUD	ORD -84,353	-84,353
09-Aug-19	BlackRock Investment Management (UK) Limited	on mkt sell 4.60	AUD	ORD -162,968	-162,968
09-Aug-19	BlackRock Investment Management (UK) Limited	on mkt sell 4.60	AUD	ORD -2,027,155	-2,027,155
09-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt buy 4.57	AUD	ORD 7,168	7,168
09-Aug-19	BlackRock Advisors (UK) Limited	on mkt sell 4.57	AUD	ORD -15,216	-15,216
09-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt buy 4.57	AUD	ORD 18,082	18,082
12-Aug-19	BlackRock Advisors, LLC	on mkt sell 4.50	AUD	ORD -363	-363
12-Aug-19	BlackRock Investment Management (UK) Limited	on mkt sell 4.50	AUD	ORD -30,266	-30,266
12-Aug-19	BlackRock Japan Co., Ltd.	on mkt sell 4.50	AUD	ORD -31,801	-31,801
12-Aug-19	BlackRock Investment Management (UK) Limited	on mkt sell 4.50	AUD	ORD -223,468	-223,468
12-Aug-19	BlackRock Japan Co., Ltd.	on mkt sell 4.50	AUD	ORD -33,240	-33,240

Date of Change	Person whose relevant interest changed	Nature of change (6) / Consideration given in relation to change (7)	CCY	Class and number of securities affected	Person's votes affected
12-Aug-19	BlackRock Investment Management (UK) Limited	on mkt sell 4.50	AUD	ORD -64,219	-64,219
12-Aug-19	BlackRock Investment Management (UK) Limited	on mkt sell 4.50	AUD	ORD -798,814	-798,814
12-Aug-19	BlackRock Advisors, LLC	on mkt sell 4.50	AUD	ORD -286	-286
12-Aug-19	BlackRock Investment Management (UK) Limited	on mkt sell 4.50	AUD	ORD -23,851	-23,851
12-Aug-19	BlackRock Japan Co., Ltd.	on mkt sell 4.50	AUD	ORD -25,059	-25,059
12-Aug-19	BlackRock Investment Management (UK) Limited	on mkt sell 4.50	AUD	ORD -176,100	-176,100
12-Aug-19	BlackRock Japan Co., Ltd.	on mkt sell 4.50	AUD	ORD -26,194	-26,194
12-Aug-19	BlackRock Investment Management (UK) Limited	on mkt sell 4.50	AUD	ORD -50,607	-50,607
12-Aug-19	BlackRock Investment Management (UK) Limited	on mkt sell 4.50	AUD	ORD -629,491	-629,491
12-Aug-19	BlackRock Investment Management (UK) Limited	on mkt sell 4.49	AUD	ORD -3,471	-3,471
12-Aug-19	BlackRock Japan Co., Ltd.	on mkt sell 4.49	AUD	ORD -3,646	-3,646
12-Aug-19	BlackRock Investment Management (UK) Limited	on mkt sell 4.49	AUD	ORD -25,624	-25,624
12-Aug-19	BlackRock Japan Co., Ltd.	on mkt sell 4.49	AUD	ORD -3,811	-3,811
12-Aug-19	BlackRock Investment Management (UK) Limited	on mkt sell 4.49	AUD	ORD -7,364	-7,364
12-Aug-19	BlackRock Investment Management (UK) Limited	on mkt sell 4.49	AUD	ORD -91,596	-91,596
12-Aug-19	BlackRock Advisors, LLC	on mkt sell 4.49	AUD	ORD -41	-41
13-Aug-19	BlackRock Advisors, LLC	on mkt sell 4.47	AUD	ORD -313	-313
13-Aug-19	BlackRock Investment Management (UK) Limited	on mkt sell 4.47	AUD	ORD -26,076	-26,076
13-Aug-19	BlackRock Japan Co., Ltd.	on mkt sell 4.47	AUD	ORD -27,398	-27,398
13-Aug-19	BlackRock Investment Management (UK) Limited	on mkt sell 4.47	AUD	ORD -192,529	-192,529
13-Aug-19	BlackRock Japan Co., Ltd.	on mkt sell 4.47	AUD	ORD -28,638	-28,638
13-Aug-19	BlackRock Investment Management (UK) Limited	on mkt sell 4.47	AUD	ORD -55,327	-55,327
13-Aug-19	BlackRock Investment Management (UK) Limited	on mkt sell 4.47	AUD	ORD -688,217	-688,217
13-Aug-19	BlackRock Advisors (UK) Limited	on mkt buy 4.47	AUD	ORD 60,864	60,864
13-Aug-19	BlackRock Fund Advisors	in specie n/a	AUD	ORD 4,444	4,444
14-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt sell 4.10	AUD	ORD -22,517	-22,517
14-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt sell 4.10	AUD	ORD -210,477	-210,477
14-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt sell 4.10	AUD	ORD -132,651	-132,651
14-Aug-19	BlackRock Advisors, LLC	on mkt sell 4.16	AUD	ORD -476	-476
14-Aug-19	BlackRock Investment Management (UK) Limited	on mkt sell 4.16	AUD	ORD -39,569	-39,569
14-Aug-19	BlackRock Japan Co., Ltd.	on mkt sell 4.16	AUD	ORD -41,576	-41,576
14-Aug-19	BlackRock Investment Management (UK) Limited	on mkt sell 4.16	AUD	ORD -292,159	-292,159
14-Aug-19	BlackRock Japan Co., Ltd.	on mkt sell 4.16	AUD	ORD -43,458	-43,458
14-Aug-19	BlackRock Investment Management (UK) Limited	on mkt sell 4.16	AUD	ORD -83,959	-83,959
14-Aug-19	BlackRock Investment Management (UK) Limited	on mkt sell 4.16	AUD	ORD -195,551	-195,551
14-Aug-19	BlackRock Investment Management (UK) Limited	on mkt sell 4.16	AUD	ORD -1,044,359	-1,044,359
14-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt buy 4.08	AUD	ORD 25,081	25,081
15-Aug-19	BlackRock Investment Management, LLC	on mkt buy 4.09	AUD	ORD 7,878	7,878
15-Aug-19	BlackRock Advisors (UK) Limited	on mkt buy 4.07	AUD	ORD 10,148	10,148
16-Aug-19	BlackRock Investment Management, LLC	on mkt buy 3.93	AUD	ORD 3,123	3,123
16-Aug-19	BlackRock Fund Advisors	in specie n/a	AUD	ORD 3,366	3,366
19-Aug-19	BlackRock Advisors (UK) Limited	on mkt buy 3.71	AUD	ORD 10,148	10,148
19-Aug-19	BlackRock Advisors (UK) Limited	on mkt sell 3.71	AUD	ORD -126,850	-126,850
19-Aug-19	BlackRock Advisors (UK) Limited	on mkt buy 3.71	AUD	ORD 2,194	2,194
20-Aug-19	BlackRock Investment Management, LLC	on mkt buy 3.52	AUD	ORD 7,044	7,044
20-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt buy 3.58	AUD	ORD 7,168	7,168

Date of Change	Person whose relevant interest changed	Nature of change (6) / Consideration given in relation to change (7)	CCY	Class and number of securities affected	Person's votes affected
20-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt buy 3.58	AUD	ORD 1,015	1,015
20-Aug-19	BlackRock Advisors (UK) Limited	on mkt buy 3.53	AUD	ORD 30,426	30,426
20-Aug-19	BlackRock Advisors (UK) Limited	on mkt buy 3.58	AUD	ORD 25,355	25,355
20-Aug-19	BlackRock Advisors (UK) Limited	on mkt sell 3.58	AUD	ORD -5,071	-5,071
21-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt sell 3.67	AUD	ORD -18,169	-18,169
21-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt buy 3.67	AUD	ORD 21,985	21,985
21-Aug-19	BlackRock Fund Advisors	on mkt buy 3.72	AUD	ORD 73,665	73,665
21-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt buy 3.64	AUD	ORD 2,688	2,688
22-Aug-19	BlackRock Advisors, LLC	on mkt buy 3.62	AUD	ORD 24,537	24,537
22-Aug-19	BlackRock Investment Management, LLC	on mkt buy 3.58	AUD	ORD 15,267	15,267
22-Aug-19	BlackRock Fund Advisors	in specie n/a	AUD	ORD -19,288	-19,288
23-Aug-19	BlackRock Investment Management (UK) Limited	on mkt sell 3.49	AUD	ORD -50,000	-50,000
23-Aug-19	BlackRock Investment Management, LLC	on mkt buy 3.51	AUD	ORD 10,301	10,301
23-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt buy 3.47	AUD	ORD 4,480	4,480
23-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt buy 3.47	AUD	ORD 1,015	1,015
27-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt buy 3.69	AUD	ORD 1,413	1,413
27-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt buy 3.69	AUD	ORD 36,938	36,938
27-Aug-19	BlackRock Investment Management, LLC	on mkt buy 3.69	AUD	ORD 4,268	4,268
27-Aug-19	BlackRock Advisors (UK) Limited	on mkt buy 3.69	AUD	ORD 96,368	96,368
27-Aug-19	BlackRock Fund Advisors	on mkt sell 3.69	AUD	ORD -37,044	-37,044
28-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt buy 3.72	AUD	ORD 47,537	47,537
28-Aug-19	BlackRock Advisors (UK) Limited	on mkt sell 3.68	AUD	ORD -15,222	-15,222

30-Aug-19  
 Maria Tricarico,  
 Authorised Signatory  
 Date

**4. Details of present registered holders**

Holder of Relevant Interests	Registered Holder of Securities	Person entitled to be registered as holder (8)	Nature of Relevant Interest (6)	Class and number of Securities	Person's votes	Nature of Association
BlackRock (Netherlands) B.V.	SSB-STATE STREET LONDON		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.	ORD 107,594	107,594	Subsidiary of BlackRock, Inc.
BlackRock Advisors (UK) Limited	SSB-STATE STREET DUBLIN		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.	ORD 6,139,374	6,139,374	Subsidiary of BlackRock, Inc.
BlackRock Advisors (UK) Limited	STATE STREET BANK, MUNICH, ZURICH BRANCH		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.	ORD 85,865	85,865	Subsidiary of BlackRock, Inc.
BlackRock Advisors, LLC	BNYM-THE BANK OF NEW YORK		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.	ORD 71,600	71,600	Subsidiary of BlackRock, Inc.

<b>Holder of Relevant Interests</b>	<b>Registered Holder of Securities</b>	<b>Person entitled to be registered as holder (8)</b>	<b>Nature of Relevant Interest (6)</b>	<b>Class and number of Securities</b>	<b>Person's votes</b>	<b>Nature of Association</b>
BlackRock Asset Management Canada Limited	SSB-STATE STREET SACRAMENTO		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.	ORD 100,009	100,009	Subsidiary of BlackRock, Inc.
BlackRock Fund Advisors	SSB-STATE STREET BANK, BOSTON		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.	ORD 175,093	175,093	Subsidiary of BlackRock, Inc.
BlackRock Fund Advisors	SSB-STATE STREET SACRAMENTO		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.	ORD 8,333,305	8,333,305	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	BNYM-THE BANK OF NEW YORK		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.	ORD 64,238	64,238	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	BOA-MERRILL LYNCH INTL PRIME BROKER - NEW YORK		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.	ORD 444	444	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	CITI-CITIGROUP GLOBAL MARKETS PRIME BROKERAGE - NEW YORK		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.	ORD 1,998	1,998	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	JPM-JP MORGAN CHASE - NEW YORK		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.	ORD 4,929,375	4,929,375	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	RBC-ROYAL TRUST - TORONTO		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.	ORD 5,867	5,867	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	SSB-SSB BOSTON INSTITUTIONAL		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.	ORD 13,015	13,015	Subsidiary of BlackRock, Inc.

Holder of Relevant Interests	Registered Holder of Securities	Person entitled to be registered as holder (8)	Nature of Relevant Interest (6)	Class and number of Securities	Person's votes	Nature of Association	
BlackRock Institutional Trust Company, National Association	SSB-SSB NEW YORK INSTITUTIONAL		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.	ORD	707,269	707,269	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	SSB-STATE STREET BANK, BOSTON		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.	ORD	19,995	19,995	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	SSB-STATE STREET SACRAMENTO		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.	ORD	1,744	1,744	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	UBS- UBS- ZURICH		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.	ORD	5,301	5,301	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	HSBC-HSBC SYDNEY		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.	ORD	1,005,484	1,005,484	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	JPM-JPM CHASE - SYDNEY		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.	ORD	809,538	809,538	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	NAB-NATIONAL AUSTRALIA BANK LIMITED - MELBOURNE		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.	ORD	2,879,209	2,879,209	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	Northern Trust Singapore		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.	ORD	723,996	723,996	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	UBS- UBS- ZURICH		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.	ORD	36,938	36,938	Subsidiary of BlackRock, Inc.

Holder of Relevant Interests	Registered Holder of Securities	Person entitled to be registered as holder (8)	Nature of Relevant Interest (6)	Class and number of Securities	Person's votes	Nature of Association
BlackRock Investment Management (UK) Limited	BNP-BNP PARIBAS JERSEY		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.	ORD 370,629	370,629	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	BNYM-BANK OF NY BRUS		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.	ORD 313,493	313,493	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	BNYM-BONY EUROPE - LONDON		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.	ORD 6,923,349	6,923,349	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	BNYM-BONY LUXEMBOURG		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.	ORD 26,360,818	26,360,818	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	CITI-CITIBANK INTERNATIONAL PLC (LUXEMBOURG BRANCH		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.	ORD 86,309	86,309	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	CITI-CITIBANK, LONDON		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.	ORD 1,646,244	1,646,244	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	HSBC-HSBC DUSSELDORF		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.	ORD 754,467	754,467	Subsidiary of BlackRock, Inc.
BlackRock Investment Management, LLC	BNYM-BONY LUXEMBOURG		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.	ORD 47,881	47,881	Subsidiary of BlackRock, Inc.
BlackRock Investment Management, LLC	BNYM-THE BANK OF NEW YORK		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.	ORD 190,209	190,209	Subsidiary of BlackRock, Inc.

Holder of Relevant Interests	Registered Holder of Securities	Person entitled to be registered as holder (8)	Nature of Relevant Interest (6)	Class and number of Securities	Person's votes	Nature of Association
BlackRock Investment Management, LLC	JPM-JP MORGAN CHASE - NEW YORK		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.	ORD 35,328	35,328	Subsidiary of BlackRock, Inc.
BlackRock Japan Co., Ltd.	BBH-BROWN BROTHERS HARRIMAN & CO - NEW YORK		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.	ORD 1,943,020	1,943,020	Subsidiary of BlackRock, Inc.
BlackRock Japan Co., Ltd.	JPM-JP MORGAN CHASE - NEW YORK		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.	ORD 27,982	27,982	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	JPM-JPM CHASE - SYDNEY		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.	ORD 287,934	287,934	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	NAB-NATIONAL AUSTRALIA BANK LIMITED - MELBOURNE		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.	ORD 413,338	413,338	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	Northern Trust Singapore		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.	ORD 35,905	35,905	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	SSB-STATE STREET AUSTRALIA		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.	ORD 289,537	289,537	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	JPM-JPM CHASE - SYDNEY		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.	ORD 2,153,432	2,153,432	Subsidiary of BlackRock, Inc.

This is Annexure C of 1 page referred to in form 604 Notice of change of interests of substantial shareholder

30-Aug-19

**Maria Tricarico,**  
**Authorised Signatory**

**Date**

### 7. Addresses

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

Name	Address
<b>BlackRock Group</b>	
BlackRock Inc.	55 East 52nd Street New York NY 10055 USA
BlackRock (Netherlands) B.V.	Rembrandt Tower, 17th floor Amstelplein Amsterdam Netherlands
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 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 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)