

Form 604Corporations Act 2001
Section 671B**Notice of change of interests of substantial holder**

To Company Name/Scheme

ACN/ARSN

1. Details of substantial holder(1)

Name

ACN/ARSN (if applicable)

There was a change in the interests of the
substantial holder on

/ /

The previous notice was given to the company on

/ /

The previous notice was dated

/ /

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)

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

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

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

Signature

print name

capacity

sign here

date / /

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 3 pages referred to in form 604 Notice of change of interests of substantial shareholder

10-May-17

Dennis Ivers,
Authorised Signatory

Date

5. Consideration

METALS X LTD (MLX)							
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
09-Dec-16	BlackRock Investment Management (UK) Limited	on mkt buy	0.66	AUD	Ord	250,000	250,000
12-Dec-16	BlackRock Japan Co., Ltd.	on mkt sell	0.66	AUD	Ord	-11,963	-11,963
12-Dec-16	BlackRock Japan Co., Ltd.	on mkt sell	0.66	AUD	Ord	-27,275	-27,275
13-Dec-16	BlackRock Advisors, LLC	on mkt sell	0.65	AUD	Ord	-6,500	-6,500
14-Dec-16	BlackRock Japan Co., Ltd.	on mkt sell	0.61	AUD	Ord	-250,225	-250,225
14-Dec-16	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	Ord	-86,632	-86,632
15-Dec-16	BlackRock Investment Management (Australia) Limited	on mkt buy	0.60	AUD	Ord	45,359	45,359
16-Dec-16	BlackRock Investment Management (UK) Limited	on mkt sell	0.56	AUD	Ord	-751,362	-751,362
19-Dec-16	BlackRock Investment Management (Australia) Limited	in specie	n/a	AUD	Ord	191,951	191,951
19-Dec-16	BlackRock Advisors, LLC	on mkt buy	0.56	AUD	Ord	6,548	6,548
10-Jan-17	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	Ord	3	3
11-Jan-17	BlackRock Advisors, LLC	on mkt buy	0.67	AUD	Ord	14,909	14,909
11-Jan-17	BlackRock Advisors, LLC	on mkt buy	0.67	AUD	Ord	80,436	80,436
11-Jan-17	BlackRock Investment Management (Australia) Limited	on mkt buy	0.67	AUD	Ord	23,617	23,617
11-Jan-17	BlackRock Investment Management, LLC	on mkt buy	0.67	AUD	Ord	48,738	48,738
11-Jan-17	BlackRock Advisors, LLC	on mkt buy	0.65	AUD	Ord	8,891	8,891
11-Jan-17	BlackRock Advisors, LLC	on mkt buy	0.65	AUD	Ord	47,964	47,964
11-Jan-17	BlackRock Investment Management (Australia) Limited	on mkt buy	0.65	AUD	Ord	14,083	14,083
11-Jan-17	BlackRock Investment Management, LLC	on mkt buy	0.65	AUD	Ord	29,062	29,062
11-Jan-17	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	Ord	-3	-3
13-Jan-17	BlackRock Institutional Trust Company, National Association	on mkt sell	0.66	AUD	Ord	-113,228	-113,228
16-Jan-17	BlackRock Advisors, LLC	on mkt sell	0.66	AUD	Ord	-11,600	-11,600
17-Jan-17	BlackRock Investment Management (UK) Limited	on mkt sell	0.68	AUD	Ord	-8,888,422	-8,888,422
17-Jan-17	BlackRock Investment Management (UK) Limited	on mkt sell	0.68	AUD	Ord	-24,802,123	-24,802,123
17-Jan-17	BlackRock Investment Management (UK) Limited	on mkt buy	0.68	AUD	Ord	28,931,177	28,931,177
17-Jan-17	BlackRock Investment Management (UK) Limited	on mkt buy	0.68	AUD	Ord	4,759,368	4,759,368
19-Jan-17	BlackRock Advisors, LLC	on mkt sell	0.69	AUD	Ord	-11,200	-11,200
19-Jan-17	BlackRock Investment Management (Australia) Limited	on mkt buy	0.69	AUD	Ord	11,200	11,200
19-Jan-17	BlackRock Advisors, LLC	on mkt sell	0.69	AUD	Ord	-22,100	-22,100
27-Jan-17	BlackRock Advisors, LLC	on mkt sell	0.80	AUD	Ord	-3,010	-3,010
01-Feb-17	BlackRock Investment Management (UK) Limited	on mkt sell	0.80	AUD	Ord	-274,259	-274,259
02-Feb-17	BlackRock Investment Management (Australia) Limited	on mkt buy	0.78	AUD	Ord	17,060	17,060
02-Feb-17	BlackRock Investment Management (UK) Limited	on mkt sell	0.78	AUD	Ord	-329,521	-329,521
02-Feb-17	BlackRock Investment Management (UK) Limited	on mkt sell	0.78	AUD	Ord	-529,942	-529,942
03-Feb-17	BlackRock Investment Management, LLC	on mkt buy	0.78	AUD	Ord	45,400	45,400
06-Feb-17	BlackRock Advisors, LLC	on mkt sell	0.80	AUD	Ord	-17,374	-17,374
07-Feb-17	BlackRock Investment Management (UK) Limited	on mkt sell	0.76	AUD	Ord	-230,000	-230,000
07-Feb-17	BlackRock Japan Co., Ltd.	on mkt sell	0.76	AUD	Ord	-149,425	-149,425
07-Feb-17	BlackRock Japan Co., Ltd.	on mkt sell	0.76	AUD	Ord	-44,821	-44,821
07-Feb-17	BlackRock Investment Management (Australia) Limited	on mkt sell	0.76	AUD	Ord	-12,491	-12,491

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
09-Feb-17	BlackRock Advisors, LLC	on mkt sell	0.75	AUD	Ord	-7,075	-7,075
13-Feb-17	BlackRock Advisors, LLC	on mkt sell	0.81	AUD	Ord	-3,738	-3,738
14-Feb-17	BlackRock Japan Co., Ltd.	on mkt sell	0.83	AUD	Ord	-81,083	-81,083
15-Feb-17	BlackRock Japan Co., Ltd.	on mkt sell	0.84	AUD	Ord	-61,422	-61,422
16-Feb-17	BlackRock Japan Co., Ltd.	on mkt sell	0.86	AUD	Ord	-52,678	-52,678
16-Feb-17	BlackRock Japan Co., Ltd.	on mkt sell	0.86	AUD	Ord	-107,510	-107,510
27-Feb-17	BlackRock Capital Management, Inc.	in specie	n/a	AUD	Ord	-195,035	-195,035
28-Feb-17	BlackRock International Limited	on mkt sell	0.84	AUD	Ord	-542,351	-542,351
28-Feb-17	BlackRock Investment Management (Australia) Limited	on mkt buy	0.83	AUD	Ord	65,363	65,363
01-Mar-17	BlackRock International Limited	on mkt sell	0.83	AUD	Ord	-416,027	-416,027
03-Mar-17	BlackRock Advisors, LLC	on mkt buy	0.89	AUD	Ord	5,116	5,116
03-Mar-17	BlackRock Investment Management (Australia) Limited	on mkt buy	0.88	AUD	Ord	35,037	35,037
06-Mar-17	BlackRock Advisors, LLC	on mkt buy	0.88	AUD	Ord	2,623	2,623
06-Mar-17	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	Ord	14,942	14,942
07-Mar-17	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	Ord	-14,942	-14,942
08-Mar-17	BlackRock Advisors, LLC	on mkt sell	0.85	AUD	Ord	-5,700	-5,700
08-Mar-17	BlackRock Advisors, LLC	on mkt sell	0.85	AUD	Ord	-100,700	-100,700
08-Mar-17	BlackRock Investment Management (Australia) Limited	on mkt sell	0.85	AUD	Ord	-16,800	-16,800
08-Mar-17	BlackRock Investment Management, LLC	on mkt sell	0.85	AUD	Ord	-37,200	-37,200
09-Mar-17	BlackRock Advisors, LLC	on mkt sell	0.81	AUD	Ord	-16,200	-16,200
09-Mar-17	BlackRock Advisors, LLC	on mkt sell	0.81	AUD	Ord	-120,900	-120,900
09-Mar-17	BlackRock Investment Management (Australia) Limited	on mkt sell	0.81	AUD	Ord	-25,300	-25,300
09-Mar-17	BlackRock International Limited	on mkt sell	0.81	AUD	Ord	-600,000	-600,000
09-Mar-17	BlackRock Investment Management, LLC	on mkt sell	0.81	AUD	Ord	-52,500	-52,500
10-Mar-17	BlackRock Advisors, LLC	on mkt sell	0.77	AUD	Ord	-24,800	-24,800
10-Mar-17	BlackRock Advisors, LLC	on mkt sell	0.77	AUD	Ord	-187,200	-187,200
10-Mar-17	BlackRock Investment Management (Australia) Limited	on mkt sell	0.77	AUD	Ord	-36,500	-36,500
10-Mar-17	BlackRock Investment Management, LLC	on mkt sell	0.77	AUD	Ord	-86,600	-86,600
16-Mar-17	BlackRock Investment Management (Australia) Limited	on mkt buy	0.75	AUD	Ord	50,480	50,480
17-Mar-17	BlackRock Japan Co., Ltd.	on mkt buy	0.73	AUD	Ord	50,452	50,452
21-Mar-17	BlackRock Investment Management (Australia) Limited	on mkt buy	0.77	AUD	Ord	100,001	100,001
28-Mar-17	BlackRock Investment Management (Australia) Limited	on mkt buy	0.72	AUD	Ord	26,680	26,680
31-Mar-17	BlackRock International Limited	on mkt buy	0.74	AUD	Ord	826,700	826,700
31-Mar-17	BlackRock Investment Management (UK) Limited	on mkt buy	0.74	AUD	Ord	56,265	56,265
03-Apr-17	BlackRock International Limited	on mkt buy	0.76	AUD	Ord	96,007	96,007
03-Apr-17	BlackRock Investment Management (UK) Limited	on mkt buy	0.76	AUD	Ord	6,534	6,534
04-Apr-17	BlackRock International Limited	on mkt buy	0.75	AUD	Ord	77,293	77,293
04-Apr-17	BlackRock Investment Management (UK) Limited	on mkt buy	0.75	AUD	Ord	5,261	5,261
04-Apr-17	BlackRock Investment Management (Australia) Limited	on mkt sell	0.74	AUD	Ord	-198,986	-198,986
05-Apr-17	BlackRock Investment Management (Australia) Limited	on mkt sell	0.76	AUD	Ord	-22,744	-22,744
05-Apr-17	BlackRock Investment Management (Australia) Limited	on mkt sell	0.77	AUD	Ord	-56,876	-56,876
05-Apr-17	BlackRock Investment Management (Australia) Limited	on mkt sell	0.77	AUD	Ord	-265,000	-265,000
05-Apr-17	BlackRock Investment Management (Australia) Limited	on mkt sell	0.77	AUD	Ord	-3,412	-3,412
06-Apr-17	BlackRock Investment Management (Australia) Limited	on mkt sell	0.76	AUD	Ord	-114,335	-114,335
07-Apr-17	BlackRock Investment Management (Australia) Limited	on mkt sell	0.76	AUD	Ord	-87,994	-87,994
07-Apr-17	BlackRock Investment Management (Australia) Limited	on mkt sell	0.76	AUD	Ord	-75,000	-75,000
07-Apr-17	BlackRock Investment Management (Australia) Limited	on mkt sell	0.76	AUD	Ord	-40,109	-40,109
20-Apr-17	BlackRock Advisors, LLC	on mkt sell	0.72	AUD	Ord	-39,464	-39,464
20-Apr-17	BlackRock Advisors, LLC	on mkt sell	0.72	AUD	Ord	-327,414	-327,414
20-Apr-17	BlackRock Investment Management, LLC	on mkt sell	0.72	AUD	Ord	-154,700	-154,700

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
21-Apr-17	BlackRock Advisors, LLC	on mkt sell	AUD	Ord -13,278	-13,278
21-Apr-17	BlackRock Advisors, LLC	on mkt sell	AUD	Ord -110,164	-110,164
21-Apr-17	BlackRock Investment Management, LLC	on mkt sell	AUD	Ord -52,051	-52,051
24-Apr-17	BlackRock Advisors, LLC	on mkt sell	AUD	Ord -5,640	-5,640
24-Apr-17	BlackRock Advisors, LLC	on mkt sell	AUD	Ord -46,787	-46,787
24-Apr-17	BlackRock Investment Management, LLC	on mkt sell	AUD	Ord -22,106	-22,106
26-Apr-17	BlackRock Advisors, LLC	on mkt sell	AUD	Ord -9,924	-9,924
26-Apr-17	BlackRock Advisors, LLC	on mkt sell	AUD	Ord -82,333	-82,333
26-Apr-17	BlackRock Investment Management, LLC	on mkt sell	AUD	Ord -38,902	-38,902
27-Apr-17	BlackRock Advisors, LLC	on mkt sell	AUD	Ord -16,694	-16,694
27-Apr-17	BlackRock Advisors, LLC	on mkt sell	AUD	Ord -138,502	-138,502
27-Apr-17	BlackRock Investment Management, LLC	on mkt sell	AUD	Ord -65,441	-65,441
28-Apr-17	BlackRock Advisors, LLC	on mkt sell	AUD	Ord -101,583	-101,583
28-Apr-17	BlackRock International Limited	on mkt buy	AUD	Ord 176,680	176,680
01-May-17	BlackRock International Limited	on mkt buy	AUD	Ord 28,862	28,862
01-May-17	BlackRock Advisors, LLC	on mkt sell	AUD	Ord -15,560	-15,560
01-May-17	BlackRock Advisors, LLC	on mkt sell	AUD	Ord -113,811	-113,811
01-May-17	BlackRock Investment Management, LLC	on mkt sell	AUD	Ord -47,899	-47,899
01-May-17	BlackRock International Limited	on mkt buy	AUD	Ord 177,270	177,270
01-May-17	BlackRock Advisors, LLC	on mkt sell	AUD	Ord -156,712	-156,712
01-May-17	BlackRock Investment Management (Australia) Limited	on mkt buy	AUD	Ord 26,284	26,284
02-May-17	BlackRock Advisors, LLC	on mkt sell	AUD	Ord -36,677	-36,677
02-May-17	BlackRock Advisors, LLC	on mkt sell	AUD	Ord -268,264	-268,264
02-May-17	BlackRock International Limited	on mkt buy	AUD	Ord 199,793	199,793
02-May-17	BlackRock Investment Management, LLC	on mkt sell	AUD	Ord -112,903	-112,903
03-May-17	BlackRock Advisors, LLC	on mkt sell	AUD	Ord -30,372	-30,372
03-May-17	BlackRock Advisors, LLC	on mkt sell	AUD	Ord -222,146	-222,146
03-May-17	BlackRock International Limited	on mkt buy	AUD	Ord 171,867	171,867
03-May-17	BlackRock Investment Management, LLC	on mkt sell	AUD	Ord -93,495	-93,495
04-May-17	BlackRock Advisors, LLC	on mkt sell	AUD	Ord -18,291	-18,291
04-May-17	BlackRock Advisors, LLC	on mkt sell	AUD	Ord -133,779	-133,779
04-May-17	BlackRock International Limited	on mkt buy	AUD	Ord 245,528	245,528
04-May-17	BlackRock Investment Management, LLC	on mkt sell	AUD	Ord -56,303	-56,303
04-May-17	BlackRock Investment Management (Australia) Limited	on mkt buy	AUD	Ord 15,274	15,274
08-May-17	BlackRock Advisors, LLC	on mkt sell	AUD	Ord -94,400	-94,400
08-May-17	BlackRock Advisors, LLC	on mkt sell	AUD	Ord -689,300	-689,300
08-May-17	BlackRock Investment Management, LLC	on mkt sell	AUD	Ord -225,569	-225,569

10-May-17

Dennis Ivers,
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 (Singapore) Limited	SSB-STATE STREET 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 925,600	925,600	Subsidiary of BlackRock, Inc.
BlackRock Advisors, LLC	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 2,511,027	2,511,027	Subsidiary of BlackRock, Inc.
BlackRock International 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 5,969,719	5,969,719	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	BNP-BNP PARIBAS AUSTRALIA - COGENT		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 65,754	65,754	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 137,481	137,481	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 291,952	291,952	Subsidiary of BlackRock, Inc.
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 1,486,367	1,486,367	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 137,827	137,827	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	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 7,783,940	7,783,940	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 42,094,859	42,094,859	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	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 365,554	365,554	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 1,547,239	1,547,239	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 1,002,791	1,002,791	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 5,898,895	5,898,895	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	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 held in its capacity as responsible entity.	Ord 363,884	363,884	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 932,369	932,369	Subsidiary of BlackRock, Inc.

Annexure C

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

	10-May-17
Dennis Ivers, Authorised Signatory	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 (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 Capital Management, Inc.	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, 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)

