

**Form 605**Corporations Act 2001  
Section 671B**Notice of ceasing to be a substantial holder**To Company Name/Scheme NICKEL INDUSTRIES LTDACN/ARSN 127 510 589**1. Details of substantial holder(1)**Name BlackRock Group (BlackRock Inc. and subsidiaries named in Annexures  
ACN/ARSN (if applicable) to this form)The holder ceased to be a substantial holder on 22 /09 /2023The previous notice was given to the company on 29 /04 /2022The previous notice was dated 27 /04 /2022**2. Changes in relevant interests**

Particulars of each change in, or change in the nature of, a relevant interest (2) of the substantial holder or an associate (3) 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 (4)	Consideration given in relation to change(5)	Class (6) and number of securities affected	Person's votes affected
	Annexure A & C				

**3. Changes in association**

The persons who have become associates (3) of, ceased to be associates of, or have changed the nature of their association (7) 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

**4. Addresses**

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

Name	Address
Annexure B	

**Signature**print name Shawna Reesecapacity \*Authorised Signatory**sign here**date 26 / 09 /2023

\* 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 4 of the form.
- (2) See the definition of "relevant interest" in sections 608 and 671B(7) of the Corporations Act 2001.
- (3) See the definition of "associate" in section 9 of the Corporations Act 2001.
- (4) 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.
- (5) 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.
- (6) The voting shares of a company constitute one class unless divided into separate classes.
- (7) 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 21 pages referred to in form 605 Notice of ceasing to be a substantial shareholder

26-Sep-23

Shawna Reese,  
Authorised Signatory

Date

## 2. Changes in relevant interests

## NICKEL INDUSTRIES LTD (NIC)

Date of Change	Person whose relevant interest changed	Nature of change (4) / Consideration given in relation to change (5)	CCY	Class (6) and number of securities affected	Person's votes affected
28-Apr-22	BlackRock Investment Management (Australia) Limited	on mkt sell 1.21	AUD	ORD -33,191	-33,191
28-Apr-22	BlackRock Investment Management (UK) Limited	on mkt sell 1.21	AUD	ORD -73,843	-73,843
28-Apr-22	BlackRock Investment Management (UK) Limited	on mkt sell 1.21	AUD	ORD -3,571,508	-3,571,508
28-Apr-22	BlackRock Investment Management (UK) Limited	on mkt sell 1.21	AUD	ORD -865,007	-865,007
28-Apr-22	BlackRock Investment Management (Australia) Limited	on mkt sell 1.22	AUD	ORD -38,489	-38,489
29-Apr-22	BlackRock Investment Management (UK) Limited	on mkt sell 1.28	AUD	ORD -30,236	-30,236
29-Apr-22	BlackRock Investment Management (UK) Limited	on mkt sell 1.28	AUD	ORD -1,462,388	-1,462,388
29-Apr-22	BlackRock Investment Management (UK) Limited	on mkt sell 1.28	AUD	ORD -354,185	-354,185
29-Apr-22	BlackRock Institutional Trust Company, National Association	on mkt sell 1.32	AUD	ORD -18,883	-18,883
02-May-22	BlackRock Investment Management (Australia) Limited	on mkt sell 1.31	AUD	ORD -108,948	-108,948
02-May-22	BlackRock Advisors, LLC	on mkt sell 1.31	AUD	ORD -21,813	-21,813
02-May-22	BlackRock Fund Advisors	on mkt buy 1.31	AUD	ORD 115,374	115,374
03-May-22	BlackRock Fund Advisors	in specie n/a	AUD	ORD -9,888	-9,888
04-May-22	BlackRock Fund Advisors	in specie n/a	AUD	ORD 3,636	3,636
04-May-22	BlackRock Investment Management (Australia) Limited	on mkt sell 1.30	AUD	ORD -7,997	-7,997
04-May-22	BlackRock Investment Management (Australia) Limited	on mkt sell 1.30	AUD	ORD -53,808	-53,808
04-May-22	BlackRock Institutional Trust Company, National Association	on mkt sell 1.30	AUD	ORD -52,156	-52,156
04-May-22	BlackRock Fund Advisors	in specie n/a	AUD	ORD -39,032	-39,032
05-May-22	BlackRock Institutional Trust Company, National Association	on mkt sell 1.30	AUD	ORD -1,109	-1,109
05-May-22	BlackRock Institutional Trust Company, National Association	on mkt sell 1.30	AUD	ORD -2,505	-2,505
05-May-22	BlackRock Advisors (UK) Limited	on mkt buy 1.29	AUD	ORD 3,840	3,840
06-May-22	BlackRock Fund Advisors	in specie n/a	AUD	ORD -9,760	-9,760
06-May-22	BlackRock Investment Management (Australia) Limited	on mkt buy 1.26	AUD	ORD 144,480	144,480
06-May-22	BlackRock Investment Management (Australia) Limited	on mkt sell 1.26	AUD	ORD -93,852	-93,852
06-May-22	BlackRock Investment Management (Australia) Limited	on mkt buy 1.26	AUD	ORD 5,418	5,418
06-May-22	BlackRock Investment Management (Australia) Limited	on mkt sell 1.26	AUD	ORD -20,856	-20,856
06-May-22	BlackRock Advisors, LLC	on mkt sell 1.26	AUD	ORD -11,651	-11,651
09-May-22	BlackRock Investment Management (Australia) Limited	on mkt sell 1.19	AUD	ORD -72,996	-72,996
09-May-22	BlackRock Investment Management (Australia) Limited	on mkt sell 1.19	AUD	ORD -16,254	-16,254
09-May-22	BlackRock Fund Advisors	in specie n/a	AUD	ORD -49,410	-49,410
10-May-22	BlackRock Institutional Trust Company, National Association	on mkt sell 1.14	AUD	ORD -9,295	-9,295
10-May-22	BlackRock Institutional Trust Company, National Association	on mkt sell 1.14	AUD	ORD -13,386	-13,386
10-May-22	BlackRock Investment Management (Australia) Limited	on mkt buy 1.16	AUD	ORD 39,732	39,732
11-May-22	BlackRock Institutional Trust Company, National Association	on mkt sell 1.16	AUD	ORD -3,751	-3,751

Date of Change	Person whose relevant interest changed	Nature of change (4) / Consideration given in relation to change (5)		CCY	Class (6) and number of securities affected		Person's votes affected
11-May-22	BlackRock Institutional Trust Company, National Association	on mkt sell	1.16	AUD	ORD	-5,029	-5,029
11-May-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.16	AUD	ORD	66,334	66,334
11-May-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-24,986	-24,986
12-May-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,654	3,654
12-May-22	BlackRock Institutional Trust Company, National Association	on mkt sell	1.14	AUD	ORD	-6,622	-6,622
12-May-22	BlackRock Investment Management (Australia) Limited	on mkt sell	1.12	AUD	ORD	-70,932	-70,932
13-May-22	BlackRock Institutional Trust Company, National Association	on mkt sell	1.14	AUD	ORD	-5,256	-5,256
13-May-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.15	AUD	ORD	169,764	169,764
16-May-22	BlackRock Institutional Trust Company, National Association	on mkt sell	1.16	AUD	ORD	-14,826	-14,826
16-May-22	BlackRock Asset Management Canada Limited	on mkt sell	1.16	AUD	ORD	-13,374	-13,374
17-May-22	BlackRock Institutional Trust Company, National Association	on mkt sell	1.18	AUD	ORD	-11,669	-11,669
17-May-22	BlackRock Institutional Trust Company, National Association	on mkt sell	1.18	AUD	ORD	-709	-709
18-May-22	BlackRock Investment Management (Australia) Limited	in specie	n/a	AUD	ORD	-196,371	-196,371
18-May-22	BlackRock Investment Management (Australia) Limited	on mkt sell	1.24	AUD	ORD	-10,428	-10,428
18-May-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.24	AUD	ORD	3,214	3,214
18-May-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.24	AUD	ORD	1,607	1,607
18-May-22	BlackRock Investment Management (Australia) Limited	on mkt sell	1.24	AUD	ORD	-60,689	-60,689
26-May-22	BlackRock Investment Management (Australia) Limited	on mkt sell	1.23	AUD	ORD	-10,836	-10,836
26-May-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.23	AUD	ORD	1,607	1,607
30-May-22	BlackRock Investment Management (Australia) Limited	on mkt sell	1.26	AUD	ORD	-328,109	-328,109
30-May-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.27	AUD	ORD	25,284	25,284
31-May-22	BlackRock Institutional Trust Company, National Association	on mkt buy	1.28	AUD	ORD	22,038	22,038
31-May-22	BlackRock Investment Management (UK) Limited	on mkt buy	1.28	AUD	ORD	107,676	107,676
31-May-22	BlackRock Fund Advisors	on mkt buy	1.28	AUD	ORD	228,857	228,857
31-May-22	BlackRock Fund Advisors	on mkt buy	1.28	AUD	ORD	1,400,947	1,400,947
31-May-22	BlackRock Fund Advisors	on mkt buy	1.28	AUD	ORD	63,380	63,380
31-May-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.28	AUD	ORD	12,514	12,514
31-May-22	BlackRock Institutional Trust Company, National Association	on mkt buy	1.29	AUD	ORD	32,564	32,564
31-May-22	BlackRock Financial Management, Inc.	on mkt sell	1.29	AUD	ORD	-11,299	-11,299
02-Jun-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,315	3,315
02-Jun-22	BlackRock Fund Advisors	on mkt buy	1.22	AUD	ORD	12,138	12,138
02-Jun-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	64,513	64,513
03-Jun-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.30	AUD	ORD	19,701	19,701
03-Jun-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-64,513	-64,513
06-Jun-22	BlackRock Investment Management (Australia) Limited	on mkt sell	1.27	AUD	ORD	-135,450	-135,450
06-Jun-22	BlackRock Financial Management, Inc.	on mkt sell	1.27	AUD	ORD	-6,523	-6,523
07-Jun-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.26	AUD	ORD	1,791	1,791
09-Jun-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	79,430	79,430
09-Jun-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.18	AUD	ORD	21,492	21,492
09-Jun-22	BlackRock Fund Advisors	on mkt sell	1.18	AUD	ORD	-110,198	-110,198
09-Jun-22	BlackRock Fund Advisors	on mkt sell	1.18	AUD	ORD	-59,976	-59,976
14-Jun-22	BlackRock Investment Management (UK) Limited	on mkt sell	1.05	AUD	ORD	-260,876	-260,876

Date of Change	Person whose relevant interest changed	Nature of change (4) / Consideration given in relation to change (5)		CCY	Class (6) and number of securities affected	Person's votes affected
14-Jun-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.07	AUD	ORD 1,791	1,791
14-Jun-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.07	AUD	ORD 1,791	1,791
15-Jun-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD -38,064	-38,064
15-Jun-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.05	AUD	ORD 7,224	7,224
15-Jun-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.05	AUD	ORD 10,428	10,428
15-Jun-22	BlackRock Institutional Trust Company, National Association	on mkt buy	1.05	AUD	ORD 970	970
16-Jun-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.08	AUD	ORD 5,418	5,418
16-Jun-22	BlackRock Advisors (UK) Limited	on mkt buy	1.08	AUD	ORD 304,400	304,400
16-Jun-22	BlackRock Advisors (UK) Limited	on mkt buy	1.08	AUD	ORD 2,560	2,560
16-Jun-22	BlackRock Advisors (UK) Limited	on mkt buy	1.08	AUD	ORD 3,840	3,840
17-Jun-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD -43,428	-43,428
17-Jun-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD 16,740	16,740
17-Jun-22	BlackRock Investment Management (Australia) Limited	on mkt sell	1.05	AUD	ORD -62,560	-62,560
17-Jun-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.05	AUD	ORD 96,605	96,605
17-Jun-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.05	AUD	ORD 149,259	149,259
17-Jun-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.05	AUD	ORD 174,402	174,402
17-Jun-22	BlackRock Investment Management, LLC	on mkt buy	1.05	AUD	ORD 28,911	28,911
17-Jun-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.05	AUD	ORD 4,155	4,155
17-Jun-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.05	AUD	ORD 230,621	230,621
17-Jun-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.05	AUD	ORD 73,434	73,434
17-Jun-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.05	AUD	ORD 62,776	62,776
17-Jun-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.05	AUD	ORD 82,153	82,153
17-Jun-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.05	AUD	ORD 84,005	84,005
17-Jun-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.05	AUD	ORD 49,755	49,755
17-Jun-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.05	AUD	ORD 58,135	58,135
17-Jun-22	BlackRock Investment Management, LLC	on mkt buy	1.05	AUD	ORD 9,635	9,635
17-Jun-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.05	AUD	ORD 1,383	1,383
17-Jun-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.05	AUD	ORD 76,878	76,878
17-Jun-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.05	AUD	ORD 24,477	24,477
17-Jun-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.05	AUD	ORD 20,923	20,923
17-Jun-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.05	AUD	ORD 27,382	27,382
17-Jun-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.05	AUD	ORD 28,002	28,002
21-Jun-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD -9,870	-9,870
22-Jun-22	BlackRock Fund Advisors	on mkt buy	1.05	AUD	ORD 144,203	144,203
23-Jun-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD -5,922	-5,922
23-Jun-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.01	AUD	ORD 11,730	11,730

Date of Change	Person whose relevant interest changed	Nature of change (4) / Consideration given in relation to change (5)		CCY	Class (6) and number of securities affected		Person's votes affected
24-Jun-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	13,560	13,560
24-Jun-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.01	AUD	ORD	1,791	1,791
27-Jun-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-9,870	-9,870
28-Jun-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.08	AUD	ORD	34,029	34,029
28-Jun-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.07	AUD	ORD	15,167	15,167
28-Jun-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-27,804	-27,804
29-Jun-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.00	AUD	ORD	14,328	14,328
29-Jun-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.01	AUD	ORD	55,804	55,804
29-Jun-22	BlackRock Investment Management	on mkt buy	1.01	AUD	ORD	81,255	81,255
29-Jun-22	BlackRock Fund Advisors	on mkt buy	1.00	AUD	ORD	41,757	41,757
30-Jun-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,408	3,408
30-Jun-22	BlackRock Institutional Trust Company, National Association	on mkt sell	0.98	AUD	ORD	-23,890	-23,890
30-Jun-22	BlackRock Institutional Trust	on mkt buy	0.98	AUD	ORD	8,836	8,836
30-Jun-22	BlackRock Investment Management	on mkt sell	0.98	AUD	ORD	-88,886	-88,886
30-Jun-22	BlackRock Investment Management (Australia) Limited	on mkt sell	0.98	AUD	ORD	-43,524	-43,524
30-Jun-22	BlackRock Institutional Trust Company, National Association	on mkt buy	0.98	AUD	ORD	8,709	8,709
30-Jun-22	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	1	1
01-Jul-22	BlackRock Fund Advisors	on mkt buy	0.99	AUD	ORD	130,180	130,180
01-Jul-22	BlackRock Investment Management (Australia) Limited	on mkt sell	0.97	AUD	ORD	-8,868	-8,868
01-Jul-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	403,452	403,452
01-Jul-22	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	-1	-1
04-Jul-22	BlackRock Investment Management (Australia) Limited	on mkt buy	0.96	AUD	ORD	11,652	11,652
04-Jul-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-403,452	-403,452
05-Jul-22	BlackRock Investment Management (Australia) Limited	on mkt sell	0.98	AUD	ORD	-9,710	-9,710
05-Jul-22	BlackRock Investment Management	on mkt sell	0.98	AUD	ORD	-30,314	-30,314
06-Jul-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-11,844	-11,844
06-Jul-22	BlackRock Fund Advisors	on mkt buy	0.96	AUD	ORD	151,990	151,990
06-Jul-22	BlackRock Investment Management (Australia) Limited	on mkt buy	0.91	AUD	ORD	38,840	38,840
06-Jul-22	BlackRock Investment Management (Australia) Limited	on mkt buy	0.91	AUD	ORD	9,710	9,710
07-Jul-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-49,770	-49,770
07-Jul-22	BlackRock Investment Management (Australia) Limited	on mkt sell	0.92	AUD	ORD	-17,247	-17,247
07-Jul-22	BlackRock Investment Management (UK) Limited	on mkt sell	0.93	AUD	ORD	-2,158,027	-2,158,027
07-Jul-22	BlackRock Investment Management, LLC	on mkt buy	0.94	AUD	ORD	56,018	56,018
08-Jul-22	BlackRock Investment Management (Australia) Limited	in specie	n/a	AUD	ORD	-389,082	-389,082
08-Jul-22	BlackRock Investment Management (UK) Limited	on mkt sell	0.96	AUD	ORD	-724,078	-724,078
12-Jul-22	BlackRock Investment Management (Australia) Limited	on mkt buy	0.92	AUD	ORD	48,600	48,600
13-Jul-22	BlackRock Investment Management (Australia) Limited	on mkt sell	0.92	AUD	ORD	-29,904	-29,904
13-Jul-22	BlackRock Investment Management (Australia) Limited	on mkt sell	0.92	AUD	ORD	-75,972	-75,972
13-Jul-22	BlackRock Investment Management (Australia) Limited	on mkt buy	0.92	AUD	ORD	1,791	1,791
14-Jul-22	BlackRock Investment Management (Australia) Limited	on mkt buy	0.95	AUD	ORD	7,776	7,776
14-Jul-22	BlackRock Investment Management (Australia) Limited	on mkt buy	0.95	AUD	ORD	9,720	9,720

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15-Jul-22	BlackRock Investment Management (Australia) Limited	on mkt sell	0.90	AUD	ORD	-48,946	-48,946
15-Jul-22	BlackRock Investment Management (Australia) Limited	on mkt buy	0.90	AUD	ORD	11,664	11,664
18-Jul-22	BlackRock Advisors, LLC	on mkt sell	0.91	AUD	ORD	-199,031	-199,031
19-Jul-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	12,584	12,584
19-Jul-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,495	3,495
19-Jul-22	BlackRock Investment Management (Australia) Limited	on mkt sell	0.94	AUD	ORD	-56,655	-56,655
19-Jul-22	BlackRock Investment Management (Australia) Limited	on mkt buy	0.94	AUD	ORD	40,824	40,824
20-Jul-22	BlackRock Investment Management (Australia) Limited	on mkt buy	0.99	AUD	ORD	13,608	13,608
20-Jul-22	BlackRock Investment Management (Australia) Limited	on mkt buy	0.99	AUD	ORD	28,656	28,656
21-Jul-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,160	1,160
21-Jul-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.03	AUD	ORD	29,160	29,160
21-Jul-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.03	AUD	ORD	17,974	17,974
22-Jul-22	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	6,307	6,307
25-Jul-22	BlackRock Advisors, LLC	on mkt sell	1.02	AUD	ORD	-58,444	-58,444
25-Jul-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.03	AUD	ORD	15,552	15,552
25-Jul-22	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	-6,307	-6,307
26-Jul-22	BlackRock Investment Management (Australia) Limited	on mkt sell	1.09	AUD	ORD	-10,977	-10,977
26-Jul-22	BlackRock Advisors (UK) Limited	on mkt buy	1.09	AUD	ORD	2,455	2,455
26-Jul-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	468,852	468,852
27-Jul-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	8,262	8,262
27-Jul-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.06	AUD	ORD	28,656	28,656
27-Jul-22	BlackRock Investment Management (Australia) Limited	on mkt sell	1.06	AUD	ORD	-10,136	-10,136
27-Jul-22	BlackRock Advisors (UK) Limited	on mkt sell	1.06	AUD	ORD	-31,915	-31,915
28-Jul-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	9,870	9,870
29-Jul-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	21,428	21,428
29-Jul-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-280,380	-280,380
01-Aug-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-188,472	-188,472
02-Aug-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.06	AUD	ORD	19,440	19,440
02-Aug-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.06	AUD	ORD	33,962	33,962
03-Aug-22	BlackRock Investment Management (Australia) Limited	on mkt sell	1.06	AUD	ORD	-18,412	-18,412
03-Aug-22	BlackRock Financial Management, Inc.	on mkt sell	1.04	AUD	ORD	-57,658	-57,658
03-Aug-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.08	AUD	ORD	95,294	95,294
04-Aug-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,336	3,336
04-Aug-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	8,784	8,784
04-Aug-22	BlackRock Financial Management, Inc.	on mkt sell	1.08	AUD	ORD	-5,773	-5,773
04-Aug-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.08	AUD	ORD	25,074	25,074

Date of Change	Person whose relevant interest changed	Nature of change (4) / Consideration given in relation to change (5)		CCY	Class (6) and number of securities affected		Person's votes affected
04-Aug-22	BlackRock Investment Management (Australia) Limited	on mkt sell	1.08	AUD	ORD	-73,872	-73,872
05-Aug-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-29,856	-29,856
05-Aug-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.10	AUD	ORD	5,832	5,832
08-Aug-22	BlackRock Investment Management (Australia) Limited	on mkt sell	1.08	AUD	ORD	-81,648	-81,648
09-Aug-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.15	AUD	ORD	19,440	19,440
09-Aug-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.15	AUD	ORD	11,664	11,664
10-Aug-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	36,498	36,498
10-Aug-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.10	AUD	ORD	16,160	16,160
10-Aug-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.10	AUD	ORD	30,805	30,805
10-Aug-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-9,880	-9,880
11-Aug-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-9,948	-9,948
12-Aug-22	BlackRock Investment Management (Australia) Limited	in specie	n/a	AUD	ORD	287,141	287,141
15-Aug-22	BlackRock Advisors, LLC	on mkt sell	1.15	AUD	ORD	-57,652	-57,652
15-Aug-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.14	AUD	ORD	5,373	5,373
16-Aug-22	BlackRock Investment Management (UK) Limited	on mkt sell	1.13	AUD	ORD	-805,566	-805,566
16-Aug-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.12	AUD	ORD	43,877	43,877
16-Aug-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	1,258,423	1,258,423
17-Aug-22	BlackRock Fund Advisors	on mkt buy	1.14	AUD	ORD	31,294	31,294
17-Aug-22	BlackRock Advisors (UK) Limited	on mkt buy	1.15	AUD	ORD	4,910	4,910
17-Aug-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	1	1
18-Aug-22	BlackRock Investment Management (Australia) Limited	on mkt sell	1.13	AUD	ORD	-746,496	-746,496
19-Aug-22	BlackRock Investment Management	on mkt sell	1.09	AUD	ORD	-101,396	-101,396
22-Aug-22	BlackRock Investment Management	on mkt sell	1.06	AUD	ORD	-33,048	-33,048
22-Aug-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.06	AUD	ORD	15,552	15,552
23-Aug-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	29,610	29,610
24-Aug-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-27,636	-27,636
24-Aug-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	23,688	23,688
25-Aug-22	BlackRock Investment Management	on mkt buy	1.06	AUD	ORD	10,864	10,864
25-Aug-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.06	AUD	ORD	11,263	11,263
25-Aug-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-293,607	-293,607
26-Aug-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-100,780	-100,780
29-Aug-22	BlackRock Investment Management (Australia) Limited	on mkt sell	1.02	AUD	ORD	-73,872	-73,872
29-Aug-22	BlackRock Investment Management	on mkt buy	1.02	AUD	ORD	1,791	1,791
29-Aug-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.02	AUD	ORD	13,608	13,608
29-Aug-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-372,531	-372,531
30-Aug-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-37,506	-37,506
30-Aug-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-5,922	-5,922
30-Aug-22	BlackRock Investment Management (Australia) Limited	on mkt sell	1.03	AUD	ORD	-109,890	-109,890
30-Aug-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.03	AUD	ORD	98,901	98,901
31-Aug-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-2,033	-2,033



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31-Aug-22	BlackRock Institutional Trust Company, National Association	on mkt buy	0.99	AUD	ORD	38,378	38,378
31-Aug-22	BlackRock Fund Advisors	on mkt buy	0.99	AUD	ORD	45,950	45,950
31-Aug-22	BlackRock Fund Advisors	on mkt buy	0.99	AUD	ORD	56,619	56,619
31-Aug-22	BlackRock Fund Advisors	on mkt buy	0.99	AUD	ORD	59,445	59,445
31-Aug-22	BlackRock Fund Advisors	on mkt buy	0.99	AUD	ORD	10,020	10,020
31-Aug-22	BlackRock Institutional Trust Company, National Association	on mkt buy	0.99	AUD	ORD	9,163	9,163
31-Aug-22	BlackRock Institutional Trust Company, National Association	on mkt buy	0.99	AUD	ORD	115,136	115,136
31-Aug-22	BlackRock Fund Advisors	on mkt buy	0.99	AUD	ORD	137,853	137,853
31-Aug-22	BlackRock Fund Advisors	on mkt buy	0.99	AUD	ORD	169,859	169,859
31-Aug-22	BlackRock Fund Advisors	on mkt buy	0.99	AUD	ORD	178,338	178,338
31-Aug-22	BlackRock Fund Advisors	on mkt buy	0.99	AUD	ORD	30,058	30,058
31-Aug-22	BlackRock Investment Management (Australia) Limited	on mkt buy	0.99	AUD	ORD	23,850	23,850
31-Aug-22	BlackRock Institutional Trust Company, National Association	on mkt buy	0.99	AUD	ORD	27,486	27,486
02-Sep-22	BlackRock Investment Management (Australia) Limited	in specie	n/a	AUD	ORD	-159,629	-159,629
02-Sep-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-10,422	-10,422
02-Sep-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-4,066	-4,066
02-Sep-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-215,222	-215,222
05-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt sell	0.91	AUD	ORD	-118,647	-118,647
05-Sep-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-276,284	-276,284
06-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt buy	0.90	AUD	ORD	19,440	19,440
06-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt sell	0.90	AUD	ORD	-217,728	-217,728
06-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt buy	0.90	AUD	ORD	3,888	3,888
07-Sep-22	BlackRock Advisors, LLC	on mkt sell	0.87	AUD	ORD	-498,328	-498,328
07-Sep-22	BlackRock Financial Management, Inc.	on mkt sell	0.87	AUD	ORD	-51,831	-51,831
07-Sep-22	BlackRock Investment Management	on mkt sell	0.85	AUD	ORD	-16,976	-16,976
07-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt sell	0.85	AUD	ORD	-319,179	-319,179
07-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt sell	0.85	AUD	ORD	-135,758	-135,758
08-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt sell	0.87	AUD	ORD	-393,371	-393,371
09-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt sell	0.89	AUD	ORD	-38,439	-38,439
09-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt sell	0.89	AUD	ORD	-147,408	-147,408
09-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt sell	0.89	AUD	ORD	-238,225	-238,225
09-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt buy	0.90	AUD	ORD	5,832	5,832
09-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt buy	0.90	AUD	ORD	1,929	1,929
13-Sep-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	26,429	26,429
13-Sep-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-3,429	-3,429
13-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt sell	0.99	AUD	ORD	-143,998	-143,998
13-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt sell	0.99	AUD	ORD	-19,440	-19,440
13-Sep-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	115,876	115,876

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14-Sep-22	BlackRock Fund Advisors	on mkt buy	0.94	AUD	ORD	35,308	35,308
14-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt sell	0.94	AUD	ORD	-19,204	-19,204
14-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt sell	0.94	AUD	ORD	-57,853	-57,853
14-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt buy	0.93	AUD	ORD	5,832	5,832
14-Sep-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-115,876	-115,876
16-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt sell	0.90	AUD	ORD	-65,523	-65,523
16-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt buy	0.89	AUD	ORD	1,929	1,929
16-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt sell	0.89	AUD	ORD	-39,934	-39,934
16-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt sell	0.89	AUD	ORD	-114,054	-114,054
16-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt sell	0.89	AUD	ORD	-142,278	-142,278
16-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt sell	0.89	AUD	ORD	-178,410	-178,410
16-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt sell	0.89	AUD	ORD	-82,805	-82,805
16-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt sell	0.89	AUD	ORD	-36,921	-36,921
16-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt sell	0.89	AUD	ORD	-54,495	-54,495
16-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt sell	0.89	AUD	ORD	-52,231	-52,231
19-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt buy	0.86	AUD	ORD	5,493	5,493
21-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt sell	0.88	AUD	ORD	-66,115	-66,115
21-Sep-22	BlackRock Institutional Trust Company, National Association	on mkt sell	0.88	AUD	ORD	-25,889	-25,889
22-Sep-22	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ORD	-21,600	-21,600
26-Sep-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-12,510	-12,510
26-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt sell	0.80	AUD	ORD	-246,912	-246,912
26-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt buy	0.80	AUD	ORD	1,929	1,929
26-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt buy	0.80	AUD	ORD	7,324	7,324
26-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt buy	0.80	AUD	ORD	1,929	1,929
26-Sep-22	BlackRock Institutional Trust Company, National Association	on mkt buy	0.80	AUD	ORD	338,346	338,346
26-Sep-22	BlackRock Institutional Trust Company, National Association	on mkt buy	0.80	AUD	ORD	30,429	30,429
26-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt sell	0.80	AUD	ORD	-10,827	-10,827
26-Sep-22	BlackRock Institutional Trust Company, National Association	on mkt buy	0.80	AUD	ORD	26,152	26,152
27-Sep-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-20,840	-20,840
27-Sep-22	BlackRock Fund Advisors	on mkt buy	0.80	AUD	ORD	25,574	25,574
27-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt sell	0.80	AUD	ORD	-85,607	-85,607
27-Sep-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	344	344
28-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt sell	0.77	AUD	ORD	-69,342	-69,342
28-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt buy	0.77	AUD	ORD	12,817	12,817
28-Sep-22	BlackRock Investment Management (UK) Limited	on mkt buy	0.77	AUD	ORD	118,302	118,302
28-Sep-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-299	-299
29-Sep-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	86,294	86,294
30-Sep-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	11,300	11,300

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30-Sep-22	BlackRock Investment Management	on mkt sell	0.78	AUD	ORD	-48,591	-48,591
30-Sep-22	BlackRock Investment Management	on mkt sell	0.78	AUD	ORD	-188,990	-188,990
30-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt buy	0.79	AUD	ORD	7,324	7,324
30-Sep-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-86,336	-86,336
03-Oct-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-3	-3
04-Oct-22	BlackRock Investment Management (Australia) Limited	on mkt buy	0.80	AUD	ORD	12,817	12,817
04-Oct-22	BlackRock Investment Management (Australia) Limited	on mkt buy	0.80	AUD	ORD	3,414	3,414
06-Oct-22	BlackRock Investment Management (Australia) Limited	on mkt buy	0.82	AUD	ORD	12,538	12,538
06-Oct-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	976,584	976,584
07-Oct-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	10,418	10,418
07-Oct-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	15,627	15,627
07-Oct-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-112,749	-112,749
10-Oct-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	223,267	223,267
10-Oct-22	BlackRock Investment Management (Australia) Limited	in specie	n/a	AUD	ORD	-927,880	-927,880
11-Oct-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	15,630	15,630
11-Oct-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	9,040	9,040
11-Oct-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-309,450	-309,450
12-Oct-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	287,924	287,924
13-Oct-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	10,490	10,490
13-Oct-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	217,217	217,217
14-Oct-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-41,505	-41,505
17-Oct-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	14,175	14,175
17-Oct-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-559,072	-559,072
18-Oct-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	496,645	496,645
19-Oct-22	BlackRock Investment Management (Australia) Limited	on mkt buy	0.75	AUD	ORD	11,792	11,792
19-Oct-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-722,841	-722,841
20-Oct-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	1,031,040	1,031,040
21-Oct-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-671,927	-671,927
21-Oct-22	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	1,077,953	1,077,953
24-Oct-22	BlackRock Investment Management (Australia) Limited	on mkt buy	0.73	AUD	ORD	18,280	18,280
24-Oct-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	332,197	332,197
24-Oct-22	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	-1,077,953	-1,077,953
25-Oct-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	4,536	4,536
25-Oct-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-42,074	-42,074
25-Oct-22	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	232,241	232,241
26-Oct-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-455,288	-455,288
27-Oct-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-196,030	-196,030

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28-Oct-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD 36,484	36,484
28-Oct-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD 265,568	265,568
28-Oct-22	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD -232,241	-232,241
31-Oct-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD 2,272	2,272
31-Oct-22	BlackRock Institutional Trust Company, National Association	on mkt sell	0.73	AUD	ORD -19,587	-19,587
31-Oct-22	BlackRock Institutional Trust Company, National Association	on mkt sell	0.73	AUD	ORD -46,775	-46,775
31-Oct-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD -11	-11
01-Nov-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD -232,230	-232,230
02-Nov-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD 10,428	10,428
02-Nov-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD 232,242	232,242
03-Nov-22	BlackRock Investment Management (Australia) Limited	on mkt buy	0.78	AUD	ORD 1,949	1,949
03-Nov-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD -327,572	-327,572
04-Nov-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD -4,344	-4,344
04-Nov-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD 15,642	15,642
04-Nov-22	BlackRock Advisors (UK) Limited	on mkt buy	0.78	AUD	ORD 2,645	2,645
04-Nov-22	BlackRock Advisors (UK) Limited	on mkt buy	0.78	AUD	ORD 2,645	2,645
04-Nov-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD -391,934	-391,934
04-Nov-22	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD 55,190	55,190
07-Nov-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD 10,224	10,224
07-Nov-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD -1	-1
07-Nov-22	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD -55,190	-55,190
08-Nov-22	BlackRock Investment Management (Australia) Limited	on mkt buy	0.83	AUD	ORD 67,636	67,636
08-Nov-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD 645,350	645,350
09-Nov-22	BlackRock Investment Management (Australia) Limited	in specie	n/a	AUD	ORD -287,421	-287,421
09-Nov-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD 32,944	32,944
09-Nov-22	BlackRock Advisors (UK) Limited	on mkt buy	0.86	AUD	ORD 34,411	34,411
09-Nov-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD -45,969	-45,969
10-Nov-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD -482,883	-482,883
11-Nov-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD 462,793	462,793
14-Nov-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD -13,771	-13,771
15-Nov-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD -255,662	-255,662
16-Nov-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD 226,489	226,489
17-Nov-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD 27,172	27,172
18-Nov-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD 10,260	10,260
18-Nov-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD -563,519	-563,519
21-Nov-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD 10,278	10,278

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21-Nov-22	BlackRock Advisors, LLC	on mkt sell	0.93	AUD	ORD	-42,417	-42,417
22-Nov-22	BlackRock Investment Management (Australia) Limited	on mkt sell	0.95	AUD	ORD	-29,248	-29,248
23-Nov-22	BlackRock Investment Management, LLC	in specie	n/a	AUD	ORD	-522,418	-522,418
23-Nov-22	BlackRock Advisors (UK) Limited	on mkt sell	0.98	AUD	ORD	-7,968	-7,968
23-Nov-22	BlackRock Investment Management (Australia) Limited	on mkt sell	0.98	AUD	ORD	-43,605	-43,605
23-Nov-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	6,852	6,852
29-Nov-22	BlackRock Investment Management (Australia) Limited	on mkt buy	0.96	AUD	ORD	14,624	14,624
29-Nov-22	BlackRock Investment Management (Australia) Limited	on mkt buy	0.96	AUD	ORD	3,898	3,898
30-Nov-22	BlackRock Investment Management (Australia) Limited	on mkt sell	0.97	AUD	ORD	-640,969	-640,969
30-Nov-22	BlackRock Investment Management (Australia) Limited	on mkt sell	0.98	AUD	ORD	-5,784	-5,784
30-Nov-22	BlackRock Investment Management (Australia) Limited	on mkt buy	0.98	AUD	ORD	11,568	11,568
30-Nov-22	BlackRock Institutional Trust Company, National Association	on mkt buy	0.98	AUD	ORD	28,357	28,357
30-Nov-22	BlackRock Institutional Trust Company, National Association	on mkt buy	0.98	AUD	ORD	23,964	23,964
30-Nov-22	BlackRock Institutional Trust Company, National Association	on mkt sell	0.98	AUD	ORD	-35,307	-35,307
30-Nov-22	BlackRock Fund Advisors	on mkt buy	0.98	AUD	ORD	86,052	86,052
30-Nov-22	BlackRock Investment Management (Australia) Limited	on mkt buy	0.98	AUD	ORD	648,633	648,633
01-Dec-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-6,369	-6,369
01-Dec-22	BlackRock Investment Management (Australia) Limited	on mkt sell	1.01	AUD	ORD	-14,460	-14,460
01-Dec-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	1	1
03-Dec-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-1	-1
05-Dec-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	1	1
06-Dec-22	BlackRock Investment Management (Australia) Limited	on mkt sell	1.00	AUD	ORD	-63,980	-63,980
06-Dec-22	BlackRock Advisors (UK) Limited	on mkt buy	1.00	AUD	ORD	7,872	7,872
07-Dec-22	BlackRock Investment Management	on mkt buy	1.01	AUD	ORD	10,197	10,197
07-Dec-22	BlackRock Institutional Trust	on mkt sell	1.01	AUD	ORD	-81,776	-81,776
08-Dec-22	BlackRock Investment Management (Australia) Limited	on mkt sell	1.00	AUD	ORD	-620,032	-620,032
08-Dec-22	BlackRock Fund Advisors	on mkt buy	1.00	AUD	ORD	149,948	149,948
09-Dec-22	BlackRock Advisors, LLC	on mkt sell	1.01	AUD	ORD	-59,614	-59,614
13-Dec-22	BlackRock Investment Management (Australia) Limited	on mkt buy	0.99	AUD	ORD	1,949	1,949
13-Dec-22	BlackRock Fund Advisors	on mkt sell	0.99	AUD	ORD	-35,510	-35,510
14-Dec-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.03	AUD	ORD	10,968	10,968
15-Dec-22	BlackRock Investment Management (Australia) Limited	on mkt sell	1.00	AUD	ORD	-329,612	-329,612
15-Dec-22	BlackRock Institutional Trust Company, National Association	on mkt sell	0.98	AUD	ORD	-40,208	-40,208
16-Dec-22	BlackRock Advisors, LLC	on mkt sell	0.95	AUD	ORD	-57,508	-57,508
16-Dec-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	4,140	4,140
16-Dec-22	BlackRock Investment Management (Australia) Limited	on mkt buy	0.95	AUD	ORD	65,808	65,808
19-Dec-22	BlackRock Institutional Trust Company, National Association	on mkt buy	0.99	AUD	ORD	64,571	64,571
21-Dec-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	10,690	10,690
22-Dec-22	BlackRock Advisors, LLC	on mkt sell	1.00	AUD	ORD	-36,365	-36,365

Date of Change	Person whose relevant interest changed	Nature of change (4) / Consideration given in relation to change (5)		CCY	Class (6) and number of securities affected		Person's votes affected
22-Dec-22	BlackRock Investment Management (Australia) Limited	on mkt sell	1.00	AUD	ORD	-378,118	-378,118
22-Dec-22	BlackRock Investment Management (Australia) Limited	on mkt buy	1.00	AUD	ORD	10,968	10,968
22-Dec-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-1	-1
23-Dec-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	10,690	10,690
29-Dec-22	BlackRock Investment Management (Australia) Limited	on mkt sell	0.96	AUD	ORD	-616,608	-616,608
29-Dec-22	BlackRock Investment Management (Australia) Limited	on mkt buy	0.97	AUD	ORD	5,784	5,784
30-Dec-22	BlackRock Investment Management (Australia) Limited	on mkt buy	0.97	AUD	ORD	1,949	1,949
30-Dec-22	BlackRock Institutional Trust Company, National Association	on mkt sell	0.97	AUD	ORD	-52,151	-52,151
03-Jan-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.97	AUD	ORD	9,140	9,140
03-Jan-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	540,000	540,000
04-Jan-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,423	3,423
04-Jan-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-540,000	-540,000
05-Jan-23	BlackRock Investment Management (Australia) Limited	on mkt sell	1.03	AUD	ORD	-432,405	-432,405
05-Jan-23	BlackRock Advisors (UK) Limited	on mkt buy	1.03	AUD	ORD	13,180	13,180
05-Jan-23	BlackRock Investment Management (Australia) Limited	on mkt sell	1.03	AUD	ORD	-11,651	-11,651
06-Jan-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	78,832	78,832
09-Jan-23	BlackRock Investment Management (Australia) Limited	on mkt buy	1.12	AUD	ORD	18,260	18,260
09-Jan-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-78,832	-78,832
10-Jan-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	4,140	4,140
11-Jan-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	18,630	18,630
11-Jan-23	BlackRock Investment Management (Australia) Limited	on mkt buy	1.11	AUD	ORD	1,946	1,946
12-Jan-23	BlackRock Investment Management (Australia) Limited	on mkt sell	1.12	AUD	ORD	-245,228	-245,228
12-Jan-23	BlackRock Investment Management (Australia) Limited	on mkt buy	1.11	AUD	ORD	34,713	34,713
13-Jan-23	BlackRock Advisors, LLC	on mkt sell	1.12	AUD	ORD	-52,067	-52,067
16-Jan-23	BlackRock Investment Management (Australia) Limited	on mkt buy	1.13	AUD	ORD	20,116	20,116
17-Jan-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	14,490	14,490
17-Jan-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	6,210	6,210
18-Jan-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	10,350	10,350
19-Jan-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	3,411	3,411
20-Jan-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	6,132	6,132
20-Jan-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-3,411	-3,411
23-Jan-23	BlackRock Investment Management (Australia) Limited	on mkt buy	1.12	AUD	ORD	7,308	7,308
24-Jan-23	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ORD	563,725	563,725
24-Jan-23	BlackRock Advisors, LLC	in specie	n/a	AUD	ORD	2,624,652	2,624,652
24-Jan-23	BlackRock Financial Management, Inc.	in specie	n/a	AUD	ORD	425,330	425,330
24-Jan-23	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ORD	1,200,000	1,200,000
24-Jan-23	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ORD	5,588,235	5,588,235
24-Jan-23	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ORD	25,274,510	25,274,510
24-Jan-23	BlackRock Investment Management (Australia) Limited	on mkt sell	1.13	AUD	ORD	-2,891	-2,891
24-Jan-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	305,357	305,357
25-Jan-23	BlackRock Investment Management (Australia) Limited	on mkt buy	1.10	AUD	ORD	474,596	474,596
25-Jan-23	BlackRock Investment Management (Australia) Limited	on mkt buy	1.10	AUD	ORD	426,502	426,502
25-Jan-23	BlackRock Investment Management, LLC	on mkt buy	1.10	AUD	ORD	36,546	36,546

Date of Change	Person whose relevant interest changed	Nature of change (4) / Consideration given in relation to change (5)		CCY	Class (6) and number of securities affected		Person's votes affected
25-Jan-23	BlackRock Investment Management (Australia) Limited	on mkt buy	1.10	AUD	ORD	7,250	7,250
25-Jan-23	BlackRock Investment Management (Australia) Limited	on mkt buy	1.10	AUD	ORD	444,470	444,470
25-Jan-23	BlackRock Investment Management (Australia) Limited	on mkt buy	1.10	AUD	ORD	136,134	136,134
25-Jan-23	BlackRock Investment Management (Australia) Limited	on mkt buy	1.10	AUD	ORD	103,321	103,321
25-Jan-23	BlackRock Investment Management (Australia) Limited	on mkt buy	1.10	AUD	ORD	122,572	122,572
25-Jan-23	BlackRock Investment Management (Australia) Limited	on mkt buy	1.10	AUD	ORD	175,926	175,926
25-Jan-23	BlackRock Investment Management (Australia) Limited	on mkt buy	1.10	AUD	ORD	161,413	161,413
25-Jan-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-305,357	-305,357
25-Jan-23	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	305,353	305,353
26-Jan-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	18,396	18,396
26-Jan-23	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	-305,353	-305,353
27-Jan-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-3,327	-3,327
27-Jan-23	BlackRock Advisors (UK) Limited	on mkt buy	1.10	AUD	ORD	2,589	2,589
30-Jan-23	BlackRock Investment Management (Australia) Limited	on mkt buy	1.10	AUD	ORD	3,894	3,894
30-Jan-23	BlackRock Investment Management (Australia) Limited	on mkt sell	1.10	AUD	ORD	-20,870	-20,870
30-Jan-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-48,749	-48,749
31-Jan-23	BlackRock Institutional Trust Company, National Association	on mkt sell	1.10	AUD	ORD	-82,980	-82,980
31-Jan-23	BlackRock Investment Management (Australia) Limited	on mkt buy	1.10	AUD	ORD	485,595	485,595
31-Jan-23	BlackRock Institutional Trust Company, National Association	on mkt sell	1.10	AUD	ORD	-28,285	-28,285
01-Feb-23	BlackRock Financial Management, Inc.	on mkt sell	1.14	AUD	ORD	-239,781	-239,781
01-Feb-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	30,822	30,822
03-Feb-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	16,352	16,352
03-Feb-23	BlackRock Advisors (UK) Limited	on mkt buy	1.12	AUD	ORD	2,609	2,609
03-Feb-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	1,451,960	1,451,960
06-Feb-23	BlackRock Investment Management (Australia) Limited	on mkt buy	1.08	AUD	ORD	133,568	133,568
06-Feb-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-564,628	-564,628
06-Feb-23	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	1,068,094	1,068,094
07-Feb-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,378	2,378
07-Feb-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	151,316	151,316
07-Feb-23	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	-1,068,094	-1,068,094
08-Feb-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-1,038,648	-1,038,648
08-Feb-23	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	487,812	487,812
09-Feb-23	BlackRock Investment Management (Australia) Limited	on mkt sell	1.12	AUD	ORD	-23,048	-23,048
09-Feb-23	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	-487,812	-487,812
15-Feb-23	BlackRock Investment Management (Australia) Limited	on mkt sell	1.05	AUD	ORD	-15,225	-15,225
16-Feb-23	BlackRock Advisors (UK) Limited	on mkt buy	1.08	AUD	ORD	7,890	7,890
16-Feb-23	BlackRock Investment Management (Australia) Limited	on mkt buy	1.08	AUD	ORD	131,481	131,481
16-Feb-23	BlackRock Investment Management (Australia) Limited	on mkt buy	1.08	AUD	ORD	4,174	4,174
17-Feb-23	BlackRock Financial Management, Inc.	on mkt buy	1.07	AUD	ORD	74,986	74,986
20-Feb-23	BlackRock Investment Management (Australia) Limited	on mkt buy	1.02	AUD	ORD	11,524	11,524
21-Feb-23	BlackRock Investment Management (Australia) Limited	on mkt buy	1.07	AUD	ORD	12,522	12,522
24-Feb-23	BlackRock Investment Management (Australia) Limited	on mkt sell	1.03	AUD	ORD	-16,820	-16,820
27-Feb-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-4,088	-4,088

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28-Feb-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.98	AUD	ORD 10,435	10,435
28-Feb-23	BlackRock Advisors (UK) Limited	on mkt buy	0.98	AUD	ORD 2,642	2,642
28-Feb-23	BlackRock Advisors (UK) Limited	on mkt buy	0.98	AUD	ORD 10,568	10,568
28-Feb-23	BlackRock Investment Management (Australia) Limited	on mkt sell	0.98	AUD	ORD -8,675	-8,675
28-Feb-23	BlackRock Institutional Trust Company, National Association	on mkt sell	0.98	AUD	ORD -12,509	-12,509
01-Mar-23	BlackRock Financial Management, Inc.	on mkt buy	0.97	AUD	ORD 214,185	214,185
01-Mar-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD 15,782	15,782
01-Mar-23	BlackRock Advisors (UK) Limited	on mkt buy	0.99	AUD	ORD 2,645	2,645
02-Mar-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD -2,440	-2,440
02-Mar-23	BlackRock Advisors (UK) Limited	on mkt buy	1.04	AUD	ORD 2,655	2,655
02-Mar-23	BlackRock Advisors (UK) Limited	on mkt buy	1.04	AUD	ORD 5,310	5,310
03-Mar-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD 44,968	44,968
03-Mar-23	BlackRock Advisors (UK) Limited	on mkt buy	1.03	AUD	ORD 13,235	13,235
06-Mar-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD -21,104	-21,104
06-Mar-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD 28,616	28,616
06-Mar-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD 6,132	6,132
06-Mar-23	BlackRock Investment Management (Australia) Limited	on mkt sell	1.02	AUD	ORD -171,134	-171,134
07-Mar-23	BlackRock Investment Management (Australia) Limited	on mkt buy	1.01	AUD	ORD 5,075	5,075
08-Mar-23	BlackRock Investment Management (Australia) Limited	on mkt sell	0.96	AUD	ORD -262,479	-262,479
09-Mar-23	BlackRock Investment Management (Australia) Limited	on mkt buy	1.00	AUD	ORD 3,600	3,600
09-Mar-23	BlackRock Institutional Trust Company, National Association	on mkt sell	1.00	AUD	ORD -11,915	-11,915
10-Mar-23	BlackRock Advisors, LLC	on mkt sell	0.97	AUD	ORD -85,028	-85,028
13-Mar-23	BlackRock Advisors, LLC	on mkt sell	0.94	AUD	ORD -106,574	-106,574
14-Mar-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD 22,484	22,484
14-Mar-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.88	AUD	ORD 5,075	5,075
15-Mar-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD -28,616	-28,616
16-Mar-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.87	AUD	ORD 5,075	5,075
17-Mar-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD 2,486	2,486
17-Mar-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.87	AUD	ORD 5,075	5,075
17-Mar-23	BlackRock Investment Management (Australia) Limited	on mkt sell	0.87	AUD	ORD -14,073	-14,073
17-Mar-23	BlackRock Financial Management, Inc.	on mkt sell	0.87	AUD	ORD -980	-980
20-Mar-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.86	AUD	ORD 119,892	119,892
21-Mar-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.88	AUD	ORD 16,696	16,696
21-Mar-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.88	AUD	ORD 3,600	3,600
22-Mar-23	BlackRock Advisors (UK) Limited	on mkt buy	0.91	AUD	ORD 10,760	10,760
24-Mar-23	BlackRock Institutional Trust Company, National Association	on mkt sell	0.88	AUD	ORD -39,619	-39,619
27-Mar-23	BlackRock Investment Management (Australia) Limited	in specie	n/a	AUD	ORD 85,926	85,926
28-Mar-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD -13,860	-13,860
29-Mar-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.89	AUD	ORD 11,371	11,371
29-Mar-23	BlackRock Fund Advisors	on mkt buy	0.89	AUD	ORD 105,779	105,779
31-Mar-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD -16,350	-16,350
31-Mar-23	BlackRock Institutional Trust Company, National Association	on mkt sell	0.90	AUD	ORD -51,930	-51,930
03-Apr-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.91	AUD	ORD 20,870	20,870
04-Apr-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.90	AUD	ORD 11,371	11,371
04-Apr-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.90	AUD	ORD 11,371	11,371
04-Apr-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.90	AUD	ORD 19,674	19,674



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04-Apr-23	BlackRock Investment Management (UK) Limited	on mkt buy	0.90	AUD	ORD 136,528	136,528
04-Apr-23	BlackRock Advisors (UK) Limited	on mkt buy	0.90	AUD	ORD 13,415	13,415
05-Apr-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.90	AUD	ORD 3,600	3,600
05-Apr-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD -17,464	-17,464
06-Apr-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.85	AUD	ORD 10,150	10,150
06-Apr-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.85	AUD	ORD 43,827	43,827
06-Apr-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.85	AUD	ORD 10,435	10,435
06-Apr-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.85	AUD	ORD 37,823	37,823
11-Apr-23	BlackRock Investment Management (Australia) Limited	on mkt sell	0.91	AUD	ORD -5,068	-5,068
11-Apr-23	BlackRock Fund Advisors	on mkt buy	0.91	AUD	ORD 177,493	177,493
12-Apr-23	BlackRock Advisors (UK) Limited	on mkt buy	0.94	AUD	ORD 2,696	2,696
14-Apr-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.97	AUD	ORD 10,425	10,425
18-Apr-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.99	AUD	ORD 14,595	14,595
18-Apr-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.99	AUD	ORD 11,549	11,549
18-Apr-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.99	AUD	ORD 11,745	11,745
18-Apr-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.99	AUD	ORD 16,906	16,906
18-Apr-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.99	AUD	ORD 50,322	50,322
18-Apr-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD -30,562	-30,562
19-Apr-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD -15,822	-15,822
19-Apr-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD -84,384	-84,384
20-Apr-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.99	AUD	ORD 11,549	11,549
20-Apr-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.99	AUD	ORD 11,549	11,549
20-Apr-23	BlackRock Investment Management (Australia) Limited	on mkt sell	0.99	AUD	ORD -112,560	-112,560
21-Apr-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.97	AUD	ORD 12,510	12,510
24-Apr-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.95	AUD	ORD 22,935	22,935
24-Apr-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.95	AUD	ORD 10,425	10,425
24-Apr-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD 215,756	215,756
25-Apr-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD -24,013	-24,013
25-Apr-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD -215,756	-215,756
26-Apr-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD -10,612	-10,612
26-Apr-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD 23,807	23,807
26-Apr-23	BlackRock Advisors, LLC	on mkt sell	0.93	AUD	ORD -45,574	-45,574
26-Apr-23	BlackRock Investment Management (Australia) Limited	on mkt sell	0.95	AUD	ORD -336,374	-336,374
26-Apr-23	BlackRock Investment Management (Australia) Limited	on mkt sell	0.95	AUD	ORD -160,594	-160,594
27-Apr-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.95	AUD	ORD 3,954	3,954
27-Apr-23	BlackRock Investment Management (Australia) Limited	on mkt sell	0.95	AUD	ORD -312,442	-312,442
27-Apr-23	BlackRock Advisors (UK) Limited	on mkt buy	0.95	AUD	ORD 10,588	10,588
28-Apr-23	BlackRock Advisors, LLC	on mkt sell	0.95	AUD	ORD -45,941	-45,941
28-Apr-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.95	AUD	ORD 10,425	10,425
28-Apr-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.95	AUD	ORD 20,850	20,850
02-May-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD -3,795	-3,795
02-May-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.93	AUD	ORD 16,680	16,680
03-May-23	BlackRock Investment Management (Australia) Limited	on mkt sell	0.93	AUD	ORD -16,680	-16,680
04-May-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.93	AUD	ORD 11,549	11,549

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04-May-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.93	AUD	ORD	13,876	13,876
05-May-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-13,098	-13,098
05-May-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.94	AUD	ORD	3,954	3,954
08-May-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-28,379	-28,379
08-May-23	BlackRock Investment Management (Australia) Limited	on mkt sell	0.96	AUD	ORD	-12,510	-12,510
08-May-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.96	AUD	ORD	12,510	12,510
10-May-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-15,281	-15,281
10-May-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-10,915	-10,915
12-May-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	9,660	9,660
12-May-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.92	AUD	ORD	5,070	5,070
12-May-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.92	AUD	ORD	25,020	25,020
12-May-23	BlackRock Investment Management (Australia) Limited	on mkt sell	0.92	AUD	ORD	-14,992	-14,992
15-May-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-26,196	-26,196
15-May-23	BlackRock Advisors, LLC	on mkt sell	0.91	AUD	ORD	-28,961	-28,961
16-May-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	11,830	11,830
17-May-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,268	2,268
17-May-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.87	AUD	ORD	50,040	50,040
17-May-23	BlackRock Advisors (UK) Limited	on mkt buy	0.87	AUD	ORD	10,716	10,716
18-May-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.89	AUD	ORD	70,890	70,890
23-May-23	BlackRock Advisors, LLC	on mkt sell	0.88	AUD	ORD	-42,537	-42,537
24-May-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-17,464	-17,464
25-May-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.83	AUD	ORD	100,080	100,080
25-May-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.83	AUD	ORD	5,070	5,070
25-May-23	BlackRock Institutional Trust Company, National Association	on mkt sell	0.83	AUD	ORD	-10,201	-10,201
26-May-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.85	AUD	ORD	3,522	3,522
29-May-23	BlackRock Advisors, LLC	on mkt sell	0.86	AUD	ORD	-63,071	-63,071
29-May-23	BlackRock Financial Management, Inc.	on mkt buy	0.86	AUD	ORD	15,936	15,936
29-May-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.87	AUD	ORD	12,510	12,510
30-May-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-10,890	-10,890
30-May-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-10,890	-10,890
30-May-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-49,005	-49,005
31-May-23	BlackRock Institutional Trust Company, National Association	on mkt buy	0.89	AUD	ORD	47,082	47,082
31-May-23	BlackRock Investment Management (UK) Limited	on mkt buy	0.89	AUD	ORD	91,880	91,880
31-May-23	BlackRock Institutional Trust Company, National Association	on mkt buy	0.89	AUD	ORD	532,211	532,211
31-May-23	BlackRock Institutional Trust Company, National Association	on mkt buy	0.89	AUD	ORD	21,513	21,513
31-May-23	BlackRock Institutional Trust Company, National Association	on mkt buy	0.89	AUD	ORD	144,969	144,969
31-May-23	BlackRock Fund Advisors	on mkt buy	0.89	AUD	ORD	670,639	670,639
31-May-23	BlackRock Fund Advisors	on mkt buy	0.89	AUD	ORD	809,357	809,357
31-May-23	BlackRock Fund Advisors	on mkt buy	0.89	AUD	ORD	32,615	32,615
31-May-23	BlackRock Fund Advisors	on mkt buy	0.89	AUD	ORD	185,271	185,271
31-May-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.89	AUD	ORD	17,773	17,773
31-May-23	BlackRock Institutional Trust Company, National Association	on mkt buy	0.89	AUD	ORD	1,443	1,443
31-May-23	BlackRock Institutional Trust Company, National Association	on mkt buy	0.89	AUD	ORD	37,662	37,662
31-May-23	BlackRock Investment Management (Australia) Limited	on mkt sell	0.90	AUD	ORD	-104,250	-104,250
31-May-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.90	AUD	ORD	100,065	100,065

Date of Change	Person whose relevant interest changed	Nature of change (4) / Consideration given in relation to change (5)		CCY	Class (6) and number of securities affected		Person's votes affected
31-May-23	BlackRock Institutional Trust Company, National Association	on mkt buy	0.90	AUD	ORD	3,267	3,267
31-May-23	BlackRock Investment Management (UK) Limited	on mkt buy	0.90	AUD	ORD	6,375	6,375
31-May-23	BlackRock Advisors (UK) Limited	on mkt sell	0.90	AUD	ORD	-165,242	-165,242
31-May-23	BlackRock Institutional Trust Company, National Association	on mkt buy	0.90	AUD	ORD	36,929	36,929
31-May-23	BlackRock Institutional Trust Company, National Association	on mkt buy	0.90	AUD	ORD	1,484	1,484
31-May-23	BlackRock Institutional Trust Company, National Association	on mkt buy	0.90	AUD	ORD	10,059	10,059
31-May-23	BlackRock Fund Advisors	on mkt buy	0.90	AUD	ORD	46,535	46,535
31-May-23	BlackRock Fund Advisors	on mkt buy	0.90	AUD	ORD	56,161	56,161
31-May-23	BlackRock Fund Advisors	on mkt buy	0.90	AUD	ORD	2,263	2,263
31-May-23	BlackRock Fund Advisors	on mkt buy	0.90	AUD	ORD	12,855	12,855
31-May-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.90	AUD	ORD	1,438	1,438
31-May-23	BlackRock Institutional Trust Company, National Association	on mkt buy	0.90	AUD	ORD	1,438	1,438
31-May-23	BlackRock Institutional Trust Company, National Association	on mkt buy	0.90	AUD	ORD	63,181	63,181
31-May-23	BlackRock Institutional Trust Company, National Association	on mkt buy	0.90	AUD	ORD	2,147	2,147
31-May-23	BlackRock Institutional Trust Company, National Association	on mkt buy	0.90	AUD	ORD	2,655	2,655
31-May-23	BlackRock Institutional Trust Company, National Association	on mkt buy	0.90	AUD	ORD	163,623	163,623
31-May-23	BlackRock Institutional Trust Company, National Association	on mkt buy	0.90	AUD	ORD	48,755	48,755
31-May-23	BlackRock Institutional Trust Company, National Association	on mkt sell	0.90	AUD	ORD	-18,831	-18,831
31-May-23	BlackRock Institutional Trust Company, National Association	on mkt buy	0.90	AUD	ORD	2,613	2,613
31-May-23	BlackRock Institutional Trust Company, National Association	on mkt buy	0.90	AUD	ORD	15,223	15,223
31-May-23	BlackRock Investment Management (UK) Limited	on mkt buy	0.90	AUD	ORD	29,703	29,703
31-May-23	BlackRock Institutional Trust Company, National Association	on mkt buy	0.90	AUD	ORD	172,050	172,050
31-May-23	BlackRock Institutional Trust Company, National Association	on mkt buy	0.90	AUD	ORD	6,962	6,962
31-May-23	BlackRock Institutional Trust Company, National Association	on mkt buy	0.90	AUD	ORD	46,865	46,865
31-May-23	BlackRock Fund Advisors	on mkt buy	0.90	AUD	ORD	216,800	216,800
31-May-23	BlackRock Fund Advisors	on mkt buy	0.90	AUD	ORD	261,643	261,643
31-May-23	BlackRock Fund Advisors	on mkt buy	0.90	AUD	ORD	10,548	10,548
31-May-23	BlackRock Fund Advisors	on mkt buy	0.90	AUD	ORD	59,893	59,893
31-May-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.90	AUD	ORD	5,735	5,735
31-May-23	BlackRock Institutional Trust Company, National Association	on mkt buy	0.90	AUD	ORD	12,179	12,179
31-May-23	BlackRock Institutional Trust Company, National Association	on mkt buy	0.90	AUD	ORD	159,462	159,462
31-May-23	BlackRock Investment Management (UK) Limited	on mkt buy	0.90	AUD	ORD	311,193	311,193
31-May-23	BlackRock Institutional Trust Company, National Association	on mkt buy	0.90	AUD	ORD	1,802,552	1,802,552
31-May-23	BlackRock Institutional Trust Company, National Association	on mkt buy	0.90	AUD	ORD	72,864	72,864
31-May-23	BlackRock Institutional Trust Company, National Association	on mkt buy	0.90	AUD	ORD	490,997	490,997
31-May-23	BlackRock Fund Advisors	on mkt buy	0.90	AUD	ORD	2,271,397	2,271,397
31-May-23	BlackRock Fund Advisors	on mkt buy	0.90	AUD	ORD	2,741,221	2,741,221
31-May-23	BlackRock Fund Advisors	on mkt buy	0.90	AUD	ORD	110,460	110,460
31-May-23	BlackRock Fund Advisors	on mkt buy	0.90	AUD	ORD	627,497	627,497
31-May-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.90	AUD	ORD	60,003	60,003
31-May-23	BlackRock Institutional Trust Company, National Association	on mkt buy	0.90	AUD	ORD	5,197	5,197
31-May-23	BlackRock Institutional Trust Company, National Association	on mkt buy	0.90	AUD	ORD	127,556	127,556
01-Jun-23	BlackRock Advisors, LLC	on mkt sell	0.87	AUD	ORD	-79,131	-79,131

Date of Change	Person whose relevant interest changed	Nature of change (4) / Consideration given in relation to change (5)		CCY	Class (6) and number of securities affected		Person's votes affected
01-Jun-23	BlackRock Institutional Trust Company, National Association	on mkt buy	0.87	AUD	ORD	801,228	801,228
01-Jun-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.87	AUD	ORD	16,680	16,680
02-Jun-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-26,808	-26,808
02-Jun-23	BlackRock Investment Management (UK) Limited	on mkt sell	0.87	AUD	ORD	-266,295	-266,295
05-Jun-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-17,870	-17,870
05-Jun-23	BlackRock Investment Management (Australia) Limited	on mkt sell	0.90	AUD	ORD	-47,955	-47,955
05-Jun-23	BlackRock Institutional Trust Company, National Association	on mkt buy	0.90	AUD	ORD	75,851	75,851
06-Jun-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-17,866	-17,866
06-Jun-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	27,928	27,928
07-Jun-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	34,910	34,910
07-Jun-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.87	AUD	ORD	25,020	25,020
07-Jun-23	BlackRock Fund Advisors	on mkt buy	0.87	AUD	ORD	293,661	293,661
07-Jun-23	BlackRock Institutional Trust Company, National Association	on mkt buy	0.87	AUD	ORD	2,194	2,194
07-Jun-23	BlackRock Fund Advisors	on mkt sell	0.87	AUD	ORD	-172,807	-172,807
07-Jun-23	BlackRock Fund Advisors	on mkt buy	0.87	AUD	ORD	209,902	209,902
07-Jun-23	BlackRock Institutional Trust Company, National Association	on mkt buy	0.87	AUD	ORD	1,568	1,568
07-Jun-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	45,383	45,383
08-Jun-23	BlackRock Investment Management (Australia) Limited	on mkt sell	0.87	AUD	ORD	-41,700	-41,700
09-Jun-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-17,476	-17,476
09-Jun-23	BlackRock Advisors, LLC	on mkt sell	0.94	AUD	ORD	-64,857	-64,857
09-Jun-23	BlackRock Investment Management (Australia) Limited	on mkt sell	0.98	AUD	ORD	-50,040	-50,040
13-Jun-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	20,946	20,946
14-Jun-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	20,946	20,946
14-Jun-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	20,946	20,946
14-Jun-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	34,910	34,910
15-Jun-23	BlackRock Advisors, LLC	on mkt sell	0.92	AUD	ORD	-58,604	-58,604
16-Jun-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	17,455	17,455
16-Jun-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.95	AUD	ORD	94,065	94,065
16-Jun-23	BlackRock Investment Management, LLC	on mkt buy	0.95	AUD	ORD	16,803	16,803
16-Jun-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.95	AUD	ORD	87,877	87,877
16-Jun-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.95	AUD	ORD	25,970	25,970
16-Jun-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.95	AUD	ORD	26,296	26,296
19-Jun-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.94	AUD	ORD	19,188	19,188
19-Jun-23	BlackRock Investment Management (Australia) Limited	on mkt sell	0.94	AUD	ORD	-11,689	-11,689
20-Jun-23	BlackRock Investment Management (Australia) Limited	on mkt sell	0.94	AUD	ORD	-29,848	-29,848
23-Jun-23	BlackRock Advisors, LLC	on mkt sell	0.89	AUD	ORD	-63,233	-63,233
23-Jun-23	BlackRock Investment Management (Australia) Limited	on mkt sell	0.89	AUD	ORD	-10,140	-10,140
27-Jun-23	BlackRock Investment Management (Australia) Limited	on mkt sell	0.87	AUD	ORD	-58,445	-58,445
27-Jun-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.87	AUD	ORD	5,904	5,904
27-Jun-23	BlackRock Institutional Trust Company, National Association	on mkt sell	0.87	AUD	ORD	-20,102	-20,102
28-Jun-23	BlackRock Investment Management (Australia) Limited	on mkt sell	0.90	AUD	ORD	-12,792	-12,792
28-Jun-23	BlackRock Fund Advisors	on mkt buy	0.90	AUD	ORD	40,923	40,923
28-Jun-23	BlackRock Fund Advisors	on mkt buy	0.90	AUD	ORD	129,255	129,255
28-Jun-23	BlackRock Institutional Trust Company, National Association	on mkt sell	0.90	AUD	ORD	-40,923	-40,923
29-Jun-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	27,928	27,928
29-Jun-23	BlackRock Advisors (UK) Limited	on mkt buy	0.88	AUD	ORD	10,648	10,648
29-Jun-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	1	1

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30-Jun-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.89	AUD	ORD 4,264	4,264
30-Jun-23	BlackRock Investment Management (Australia) Limited	on mkt sell	0.89	AUD	ORD -13,487	-13,487
30-Jun-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD -1	-1
30-Jun-23	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD 1	1
03-Jul-23	BlackRock Advisors, LLC	on mkt sell	0.89	AUD	ORD -235,328	-235,328
03-Jul-23	BlackRock Financial Management, Inc.	on mkt sell	0.89	AUD	ORD -27,484	-27,484
03-Jul-23	BlackRock Advisors (UK) Limited	on mkt buy	0.92	AUD	ORD 15,984	15,984
03-Jul-23	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ORD 33,907	33,907
03-Jul-23	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD -1	-1
05-Jul-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD -17,358	-17,358
06-Jul-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.89	AUD	ORD 21,031	21,031
07-Jul-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD 14	14
10-Jul-23	BlackRock Advisors (UK) Limited	on mkt buy	0.87	AUD	ORD 2,657	2,657
10-Jul-23	BlackRock Institutional Trust Company, National Association	on mkt buy	0.87	AUD	ORD 26,804	26,804
10-Jul-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD -14	-14
11-Jul-23	BlackRock Investment Management (Australia) Limited	on mkt sell	0.89	AUD	ORD -12,786	-12,786
11-Jul-23	BlackRock Institutional Trust Company, National Association	on mkt sell	0.89	AUD	ORD -43,958	-43,958
13-Jul-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.91	AUD	ORD 12,786	12,786
13-Jul-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.91	AUD	ORD 8,853	8,853
13-Jul-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD 5	5
13-Jul-23	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD 2	2
14-Jul-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD 24,437	24,437
14-Jul-23	BlackRock Advisors, LLC	on mkt sell	0.90	AUD	ORD -78,785	-78,785
14-Jul-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD -5	-5
14-Jul-23	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD -2	-2
17-Jul-23	BlackRock Advisors, LLC	on mkt sell	0.89	AUD	ORD -70,039	-70,039
17-Jul-23	BlackRock Investment Management (Australia) Limited	on mkt sell	0.88	AUD	ORD -6,393	-6,393
18-Jul-23	BlackRock Investment Management (Australia) Limited	on mkt sell	0.84	AUD	ORD -10,134	-10,134
20-Jul-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.82	AUD	ORD 29,834	29,834
24-Jul-23	BlackRock Advisors, LLC	on mkt sell	0.81	AUD	ORD -88,394	-88,394
25-Jul-23	BlackRock Investment Management (Australia) Limited	on mkt sell	0.82	AUD	ORD -5,067	-5,067
25-Jul-23	BlackRock Institutional Trust Company, National Association	on mkt sell	0.82	AUD	ORD -2,519	-2,519
26-Jul-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.83	AUD	ORD 21,310	21,310
26-Jul-23	BlackRock Investment Management (Australia) Limited	on mkt sell	0.83	AUD	ORD -10,655	-10,655
26-Jul-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD 16,115	16,115
27-Jul-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.82	AUD	ORD 404,166	404,166
28-Jul-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD 20,946	20,946
28-Jul-23	BlackRock Advisors, LLC	on mkt sell	0.80	AUD	ORD -80,360	-80,360
28-Jul-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.81	AUD	ORD 11,532	11,532
28-Jul-23	BlackRock Advisors (UK) Limited	on mkt buy	0.81	AUD	ORD 10,632	10,632
31-Jul-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.82	AUD	ORD 185,569	185,569
01-Aug-23	BlackRock Advisors, LLC	on mkt sell	0.83	AUD	ORD -52,378	-52,378
01-Aug-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.84	AUD	ORD 5,902	5,902
01-Aug-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.84	AUD	ORD 11,532	11,532
02-Aug-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.84	AUD	ORD 17,048	17,048

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02-Aug-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.84	AUD	ORD	5,905	5,905
02-Aug-23	BlackRock Institutional Trust Company, National Association	on mkt sell	0.84	AUD	ORD	-5,115	-5,115
03-Aug-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.81	AUD	ORD	808,956	808,956
04-Aug-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.82	AUD	ORD	74,585	74,585
08-Aug-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.81	AUD	ORD	115,074	115,074
08-Aug-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.81	AUD	ORD	2,131	2,131
08-Aug-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.81	AUD	ORD	17,048	17,048
09-Aug-23	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	13	13
10-Aug-23	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	-13	-13
14-Aug-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.79	AUD	ORD	23,064	23,064
14-Aug-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.79	AUD	ORD	15,210	15,210
14-Aug-23	BlackRock Advisors (UK) Limited	on mkt buy	0.79	AUD	ORD	2,700	2,700
14-Aug-23	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ORD	32,931	32,931
15-Aug-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	49	49
16-Aug-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	31,038	31,038
16-Aug-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.76	AUD	ORD	17,048	17,048
16-Aug-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.76	AUD	ORD	8,524	8,524
16-Aug-23	BlackRock Investment Management (Australia) Limited	on mkt sell	0.76	AUD	ORD	-5,905	-5,905
16-Aug-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-49	-49
17-Aug-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-83,784	-83,784
17-Aug-23	BlackRock Institutional Trust Company, National Association	on mkt buy	0.74	AUD	ORD	266,650	266,650
18-Aug-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-10,959	-10,959
18-Aug-23	BlackRock Advisors (UK) Limited	on mkt buy	0.74	AUD	ORD	10,880	10,880
18-Aug-23	BlackRock Fund Advisors	on mkt buy	0.74	AUD	ORD	119,556	119,556
18-Aug-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-29,224	-29,224
22-Aug-23	BlackRock Investment Management (Australia) Limited	on mkt sell	0.76	AUD	ORD	-8,524	-8,524
22-Aug-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.76	AUD	ORD	14,917	14,917
22-Aug-23	BlackRock Investment Management (Australia) Limited	on mkt sell	0.76	AUD	ORD	-8,524	-8,524
23-Aug-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.77	AUD	ORD	17,048	17,048
24-Aug-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.76	AUD	ORD	5,905	5,905
30-Aug-23	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	6	6
31-Aug-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-18,486	-18,486
31-Aug-23	BlackRock Advisors (UK) Limited	on mkt buy	0.80	AUD	ORD	207,847	207,847
31-Aug-23	BlackRock Fund Advisors	on mkt buy	0.80	AUD	ORD	493,611	493,611
31-Aug-23	BlackRock Investment Management (Australia) Limited	on mkt sell	0.80	AUD	ORD	-13,764	-13,764
31-Aug-23	BlackRock Advisors (UK) Limited	on mkt sell	0.80	AUD	ORD	-706,105	-706,105
31-Aug-23	BlackRock Institutional Trust Company, National Association	on mkt buy	0.80	AUD	ORD	18,411	18,411
31-Aug-23	BlackRock Investment Management (Australia) Limited	on mkt sell	0.80	AUD	ORD	-2,142	-2,142
31-Aug-23	BlackRock Advisors (UK) Limited	on mkt sell	0.80	AUD	ORD	-109,872	-109,872
31-Aug-23	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	-6	-6
01-Sep-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-10,959	-10,959
01-Sep-23	BlackRock Advisors, LLC	on mkt buy	0.82	AUD	ORD	44,983	44,983
01-Sep-23	BlackRock Financial Management, Inc.	on mkt buy	0.82	AUD	ORD	37,470	37,470
01-Sep-23	BlackRock Investment Management (Australia) Limited	on mkt sell	0.82	AUD	ORD	-5,905	-5,905

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05-Sep-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.82	AUD	ORD 17,048	17,048
07-Sep-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD 4,455	4,455
08-Sep-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD -25,571	-25,571
08-Sep-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.79	AUD	ORD 21,310	21,310
11-Sep-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD -32,877	-32,877
11-Sep-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD 2	2
12-Sep-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD -10,959	-10,959
12-Sep-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.79	AUD	ORD 12,786	12,786
12-Sep-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD -2	-2
13-Sep-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.79	AUD	ORD 11,768	11,768
14-Sep-23	BlackRock Advisors, LLC	on mkt sell	0.78	AUD	ORD -80,689	-80,689
15-Sep-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.82	AUD	ORD 522,920	522,920
15-Sep-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.82	AUD	ORD 637,167	637,167
15-Sep-23	BlackRock Investment Management, LLC	on mkt buy	0.82	AUD	ORD 48,396	48,396
15-Sep-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.82	AUD	ORD 15,677	15,677
15-Sep-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.82	AUD	ORD 157,869	157,869
15-Sep-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.82	AUD	ORD 774,300	774,300
15-Sep-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.82	AUD	ORD 164,800	164,800
15-Sep-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.82	AUD	ORD 143,494	143,494
15-Sep-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.82	AUD	ORD 109,563	109,563
15-Sep-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.82	AUD	ORD 147,909	147,909
19-Sep-23	BlackRock Financial Management, Inc.	on mkt sell	0.80	AUD	ORD -10,523	-10,523
20-Sep-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD -7,306	-7,306
20-Sep-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.80	AUD	ORD 2,942	2,942
21-Sep-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD 17,270	17,270
21-Sep-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.78	AUD	ORD 2,942	2,942
21-Sep-23	BlackRock Institutional Trust Company, National Association	on mkt buy	0.78	AUD	ORD 47,032	47,032
22-Sep-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD -25,571	-25,571
22-Sep-23	BlackRock Investment Management (Australia) Limited	on mkt buy	0.78	AUD	ORD 26,464	26,464
22-Sep-23	BlackRock Fund Advisors	in specie	n/a	AUD	ORD 44,730	44,730

This is Annexure B of 1 page referred to in form 605 Notice of ceasing to be a substantial shareholder

26-Sep-23

**Shawna Reese,  
Authorised Signatory**

**Date**

## 7. Addresses

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

Name	Address
<b>BlackRock Group</b>	
BlackRock Inc.	50 Hudson Yards New York, NY 10001 USA
BlackRock Advisors (UK) Limited	12 Throgmorton Avenue. London, EC2N 2DL, United Kingdom
BlackRock Advisors, LLC	251 Little Falls Dr Wilmington, DE 19808-1674
BlackRock Asset Management Canada Limited	161 Bay Street, Suite 2500 Toronto, Ontario M5J 2S1 Canada
BlackRock Financial Management, Inc.	251 Little Falls Dr Wilmington, DE 19808-1674
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 37 Chifley Tower, 2 Chifley Square, Sydney NSW 2000 Australia
BlackRock Investment Management (UK) Limited	12 Throgmorton Avenue London EC2N 2DL United Kingdom
BlackRock Investment Management, LLC	251 Little Falls Dr Wilmington, DE 19808-1674



This is Annexure C of 3 pages referred to in form 605 Notice of ceasing to be a substantial shareholder.

Shawna Reese, Authorised Signatory  
Date

26-Sept-23

<b>Type of agreement:</b>	Global Master Securities Lending Agreement, Overseas Securities Lending Agreement or Master Securities Lending Agreement.
<b>Parties to agreement:</b>	The relevant counterparty as described in the lists of Securities Lending Agreements entered into by BlackRock Advisors Limited and BlackRock Institutional Trust Corporation, N.A., respectively, on the following page.
<b>Transfer date:</b>	The date of the relevant transaction identified as a collateral transfer referred to in Annexure A.
<b>Holder of voting rights:</b>	The Borrower.
<b>Are there any restrictions on voting rights?</b> If yes, detail	Yes. Collateral is held through a tripartite structure under which the triparty collateral manager will not act in respect of voting rights unless it receives instructions to do so from the Borrower.
<b>Scheduled return date (if any):</b>	The date of the relevant transaction referred to in Annexure A.
<b>Does the borrower have the right to return early?</b> If yes, detail	Yes. The Borrower is entitled to substitute existing collateral with other equities at any time.
<b>Does the lender have the right to recall early?</b> If yes, detail	Yes, at notice.
<b>Will the securities be returned on settlement?</b> If yes, detail any exceptions	Yes.

A copy of the relevant agreement will be provided to NICKEL INDUSTRIES LTD or the Australian Securities and Investments Commission upon request.

## Securities Lending Agreements

Agreements entered into between BlackRock Advisors Limited and each of the following counterparties:

- (a) Bank of Nova Scotia, London Branch GMSLA, 25 August 2011
- (b) Barclays Bank plc GMSLA, 9 April 2104
- (c) Barclays Capital Securities Limited GMSLA, 2 December 2012
- (d) BNP Paribas Arbitrage GMSLA, 30 May 2013
- (e) BNP Paribas GMSLA, 8 May 2007
- (f) Citigroup Global Markets Limited GMSLA, 18 January 2007
- (g) Credit Suisse AG, Dublin Branch GMSLA, 28 September 2015
- (h) Credit Suisse International GMSLA, 10 March 2014
- (i) Credit Suisse Securities (Europe) Limited GMSLA, 26 August 2015
- (j) Deutsche Bank AG, London Branch GMSLA, 25 August 2017
- (k) Goldman Sachs International GMSLA, 2nd August 2022
- (l) HSBC Bank plc GMSLA GMSLA, 27 October 2016
- (m) ING Bank N.V. GMSLA, 12 November 2018
- (n) J.P. Morgan Securities plc GMSLA, 12 July 2011
- (o) Macquarie Bank Limited GMSLA, 18 August 2014
- (p) Merrill Lynch International GMSLA, 3 February 2020
- (q) Morgan Stanley & Co International plc GMSLA, 9 June 2021
- (r) Natixis SA GMSLA, 29 January 2018
- (s) Nomura International plc GMSLA, 2 November 2011
- (t) Royal Bank of Canada Europe Limited GMSLA, 3 February 2017
- (u) Royal Bank of Scotland plc (renamed to Natwest Markets Plc) GMSLA, 1 April 2011
- (v) Santander UK Plc GMSLA, 25 January 2019
- (w) Societe Generale GMSLA, 27 January 2012
- (x) UBS AG GMSLA, 28 April 2016
- (y) UBS Europe SE GMSLA, 1 February 2019
- (z) BAL/Banco Santander, S.A. GMSLA, 30 April 2019
- (aa) Canadian Imperial Bank of Commerce, London Branch GMSLA, 21 June 2019
- (bb) Zürcher Kantonalbank GMSLA, 30 October 2019
- (cc) The Hongkong and Shanghai Banking Corporation Limited GMSLA, 7 February 2020
- (dd) BNP Paribas Prime Brokerage International Limited GMSLA 19 October 2021
- (ee) Jefferies International Limited GMLSA 22 June 2023

Agreements entered into by BlackRock Institutional Trust Corporation, N.A. and each of the following counterparties:

- a. Bank of Nova Scotia GMSLA, December 6, 2016
- b. Barclays Bank plc GMSLA, April 24, 2017
- c. Barclays Capital Securities Limited GMSLA, March 15, 2017
- d. BNP Paribas Arbitrage GMSLA, June 5, 2017
- e. Citigroup Global Markets Limited GMSLA, June 3, 2015
- f. Credit Suisse AG, Dublin Branch GMSLA, October 14, 2015
- g. Credit Suisse International GMSLA, April 4, 2020
- h. Credit Suisse Securities (Europe) Limited GMSLA, October 2, 2015
- i. Deutsche Bank AG, London Branch GMSLA, June 7, 2017
- j. Goldman Sachs International GMSLA, February 20, 2023
- k. HSBC Bank plc GMSLA, February 12, 2013
- l. J.P. Morgan Securities plc GMSLA, October 4, 2016
- m. J.P. Morgan Securities plc GMSLA (Pledge), July 1, 2020
- n. Macquarie Bank Limited GMSLA, October 3, 2016
- o. Merrill Lynch International GMSLA, February 19, 2014
- p. Morgan Stanley & Co International plc GMSLA, November 16, 2021
- q. Nomura International plc GMSLA 03 August 2018
- r. Societe Generale GMSLA, September 28, 2016
- s. UBS AG GMSLA, May 26, 2016
- t. UBS AG GMSLA (Pledge), June 2, 2020
- u. UBS Europe SE GMSLA, 1 February 2019
- v. The Hongkong and Shanghai Banking Corporation Limited GMSLA, 22 February 2019
- w. RBC Europe Limited GMSLA, 4 February 2019
- x. ING BANK N.V. GMSLA, 27 February, 2019
- y. BANCO SANTANDER, S.A. GMSLA, 11 September, 2019
- z. Credit Suisse A.G., Singapore Branch GMSLA, 25 October, 2019

- aa. Natixis S.A. GMSLA, November 21, 2019.
- bb. CREDIT SUISSE INTERNATIONAL GMSLA, 4 April 2020
- cc. BNP Paribas Prime Brokerage International Limited GMSLA 22 November 2021

These counterparties do not pledge Australian equities:

- (a) Merrill Lynch, Pierce, Fenner Smith Incorporated

These counterparties do not have any business with us anymore although may have done previously:

- (a) Morgan Stanley Securities Limited (No Business) OSLA 15 March 1999

Royal Bank of Scotland N.V. **GMSLA, 12 October 2011 – No Business, superseded by Royal Bank of Scotland PLC**