

Form 603
Corporations Act 2001
Section 671B

Notice of initial substantial holder

To Company Name/Scheme Northern Star Resources Limited
ACN/ARSN 092 832 892

1. Details of substantial holder (1)

Name Vanguard Group (The Vanguard Group, Inc. and its controlled entities including those listed in Annexure A)
ACN/ARSN (if applicable) N/A
The holder became a substantial holder on 20 December 2022

2. Details of voting power

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

Class of securities (4)	Number of securities	Person's votes (5)	Voting power (6)
Ordinary	57,973,117	57,973,117	5.001%

3. Details of relevant interests

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

Holder of relevant interest	Nature of relevant interest (7)	Class and number of securities
Vanguard Group	Vanguard Group is the manager of various Mutual funds and accounts and in that capacity has the power to dispose of the shares. The other members of Vanguard Group have a relevant interest under section 608(3) of the Corporations Act.	Ordinary – 57,973,117

4. Details of present registered holders

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

Holder of relevant interest	Registered holder of securities	Person entitled to be registered as holder (8)	Class and number of securities
Vanguard Group	Brown Brothers Harriman	Various funds and other accounts of Vanguard Group	Ordinary – 3,451,915
Vanguard Group	BNY Mellon	Various funds and other accounts of Vanguard Group	Ordinary – 5,069,225
Vanguard Group	JP Morgan Chase Bank, N.A.	Various funds and other accounts of Vanguard Group	Ordinary – 39,515,297
Vanguard Group	State Street Bank and Trust Company	Various funds and other accounts of Vanguard Group	Ordinary – 9,936,680

5. Consideration

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

Holder of relevant interest	Date of acquisition	Consideration (9)	Class and number of securities
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See Annexure A

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6. Associates

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

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

7. Addresses

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

Name	Address
Vanguard Group	P.O. Box 2600, V26 Valley Forge, PA 19482 USA

print name Shawn Acker capacity Compliance Manager

sign here  date 22 December 2022

DIRECTIONS

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

To Company
ACN/ARSN

Nothern Star Resources Ltd
092 832 892

Substantial Holder Name
ACN/ARSN

Vanguard Group
N/A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
19-Aug-2022	The Vanguard Group, Inc.	BUY	7.64	Ordinary	858	858
22-Aug-2022	The Vanguard Group, Inc.	BUY	7.56	Ordinary	10,672	10,672
23-Aug-2022	The Vanguard Group, Inc.	BUY	7.76	Ordinary	6,670	6,670
24-Aug-2022	The Vanguard Group, Inc.	BUY	7.63	Ordinary	4,350	4,350
26-Aug-2022	The Vanguard Group, Inc.	BUY	7.64	Ordinary	58,835	58,835
29-Aug-2022	The Vanguard Group, Inc.	BUY	7.48	Ordinary	6,670	6,670
31-Aug-2022	The Vanguard Group, Inc.	BUY	7.72	Ordinary	1,044	1,044
1-Sep-2022	The Vanguard Group, Inc.	BUY	7.45	Ordinary	4,520	4,520
1-Sep-2022	The Vanguard Group, Inc.	BUY	7.45	Ordinary	2,005	2,005
1-Sep-2022	The Vanguard Group, Inc.	BUY	7.68	Ordinary	49,135	49,135
2-Sep-2022	The Vanguard Group, Inc.	BUY	7.47	Ordinary	9,338	9,338
2-Sep-2022	The Vanguard Group, Inc.	BUY	7.47	Ordinary	6,670	6,670
2-Sep-2022	The Vanguard Group, Inc.	SELL	7.38	Ordinary	(426)	(426)
6-Sep-2022	The Vanguard Group, Inc.	BUY	7.35	Ordinary	1,288	1,288
6-Sep-2022	The Vanguard Group, Inc.	BUY	7.35	Ordinary	391	391
7-Sep-2022	The Vanguard Group, Inc.	BUY	7.30	Ordinary	5,800	5,800
7-Sep-2022	The Vanguard Group, Inc.	BUY	7.30	Ordinary	11,600	11,600
8-Sep-2022	The Vanguard Group, Inc.	BUY	7.48	Ordinary	644	644
8-Sep-2022	The Vanguard Group, Inc.	BUY	7.48	Ordinary	800	800
8-Sep-2022	The Vanguard Group, Inc.	BUY	7.47	Ordinary	60,483	60,483
9-Sep-2022	The Vanguard Group, Inc.	BUY	7.72	Ordinary	1,342	1,342
9-Sep-2022	The Vanguard Group, Inc.	BUY	7.81	Ordinary	6,670	6,670
12-Sep-2022	The Vanguard Group, Inc.	BUY	7.75	Ordinary	10,672	10,672
12-Sep-2022	The Vanguard Group, Inc.	BUY	7.75	Ordinary	5,510	5,510
13-Sep-2022	The Vanguard Group, Inc.	BUY	7.82	Ordinary	4,930	4,930
14-Sep-2022	The Vanguard Group, Inc.	SELL	7.73	Ordinary	(54,736)	(54,736)
16-Sep-2022	The Vanguard Group, Inc.	BUY	7.40	Ordinary	1,160	1,160
16-Sep-2022	The Vanguard Group, Inc.	SELL	7.40	Ordinary	(14,010)	(14,010)
16-Sep-2022	The Vanguard Group, Inc.	SELL	7.40	Ordinary	(59,524)	(59,524)
19-Sep-2022	The Vanguard Group, Inc.	BUY	7.75	Ordinary	4,920	4,920
20-Sep-2022	The Vanguard Group, Inc.	BUY	7.77	Ordinary	60,484	60,484
21-Sep-2022	The Vanguard Group, Inc.	BUY	7.54	Ordinary	2,076	2,076
21-Sep-2022	The Vanguard Group, Inc.	BUY	7.50	Ordinary	8,160	8,160
21-Sep-2022	The Vanguard Group, Inc.	BUY	7.50	Ordinary	1,281	1,281
23-Sep-2022	The Vanguard Group, Inc.	BUY	7.49	Ordinary	1,330	1,330
23-Sep-2022	The Vanguard Group, Inc.	BUY	7.49	Ordinary	4,691	4,691
23-Sep-2022	The Vanguard Group, Inc.	BUY	7.59	Ordinary	5,311	5,311
26-Sep-2022	The Vanguard Group, Inc.	BUY	6.96	Ordinary	17,655	17,655
26-Sep-2022	The Vanguard Group, Inc.	BUY	6.96	Ordinary	1,725	1,725
26-Sep-2022	The Vanguard Group, Inc.	BUY	6.96	Ordinary	646	646
26-Sep-2022	The Vanguard Group, Inc.	BUY	6.96	Ordinary	1,328	1,328
26-Sep-2022	The Vanguard Group, Inc.	BUY	6.96	Ordinary	2,000	2,000
26-Sep-2022	The Vanguard Group, Inc.	BUY	6.96	Ordinary	10,880	10,880
26-Sep-2022	The Vanguard Group, Inc.	BUY	6.96	Ordinary	4,920	4,920
27-Sep-2022	The Vanguard Group, Inc.	BUY	7.11	Ordinary	400	400
27-Sep-2022	The Vanguard Group, Inc.	BUY	6.95	Ordinary	3,468	3,468
27-Sep-2022	The Vanguard Group, Inc.	BUY	6.95	Ordinary	984	984
28-Sep-2022	The Vanguard Group, Inc.	BUY	7.17	Ordinary	55,333	55,333
29-Sep-2022	The Vanguard Group, Inc.	BUY	7.49	Ordinary	3,691	3,691
29-Sep-2022	The Vanguard Group, Inc.	BUY	7.61	Ordinary	3,560	3,560
30-Sep-2022	The Vanguard Group, Inc.	BUY	7.83	Ordinary	2,306	2,306
3-Oct-2022	The Vanguard Group, Inc.	SELL	7.95	Ordinary	(3,910)	(3,910)
3-Oct-2022	The Vanguard Group, Inc.	BUY	7.91	Ordinary	3,476	3,476
3-Oct-2022	The Vanguard Group, Inc.	BUY	7.91	Ordinary	4,875	4,875
4-Oct-2022	The Vanguard Group, Inc.	BUY	8.24	Ordinary	1,896	1,896
4-Oct-2022	The Vanguard Group, Inc.	BUY	8.37	Ordinary	4,300	4,300
4-Oct-2022	The Vanguard Group, Inc.	BUY	8.37	Ordinary	3,476	3,476
4-Oct-2022	The Vanguard Group, Inc.	BUY	8.37	Ordinary	3,476	3,476

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
4-Oct-2022	The Vanguard Group, Inc.	BUY	8.37	Ordinary	5,214	5,214
4-Oct-2022	The Vanguard Group, Inc.	BUY	8.07	Ordinary	59,591	59,591
4-Oct-2022	The Vanguard Group, Inc.	BUY	8.07	Ordinary	49,696	49,696
5-Oct-2022	The Vanguard Group, Inc.	BUY	8.48	Ordinary	558	558
5-Oct-2022	The Vanguard Group, Inc.	BUY	8.48	Ordinary	1,248	1,248
5-Oct-2022	The Vanguard Group, Inc.	BUY	8.48	Ordinary	2,260	2,260
6-Oct-2022	The Vanguard Group, Inc.	BUY	8.50	Ordinary	2,001	2,001
6-Oct-2022	The Vanguard Group, Inc.	BUY	8.39	Ordinary	854	854
7-Oct-2022	The Vanguard Group, Inc.	BUY	8.61	Ordinary	540	540
11-Oct-2022	The Vanguard Group, Inc.	BUY	8.18	Ordinary	2,106	2,106
11-Oct-2022	The Vanguard Group, Inc.	SELL	8.18	Ordinary	(1,629)	(1,629)
11-Oct-2022	The Vanguard Group, Inc.	BUY	8.15	Ordinary	4,104	4,104
11-Oct-2022	The Vanguard Group, Inc.	BUY	8.15	Ordinary	1,281	1,281
11-Oct-2022	The Vanguard Group, Inc.	BUY	8.22	Ordinary	4,705	4,705
12-Oct-2022	The Vanguard Group, Inc.	BUY	8.07	Ordinary	106	106
12-Oct-2022	The Vanguard Group, Inc.	BUY	8.07	Ordinary	386	386
12-Oct-2022	The Vanguard Group, Inc.	BUY	8.09	Ordinary	10,944	10,944
13-Oct-2022	The Vanguard Group, Inc.	SELL	8.13	Ordinary	(62,448)	(62,448)
14-Oct-2022	The Vanguard Group, Inc.	BUY	8.08	Ordinary	5,486	5,486
17-Oct-2022	The Vanguard Group, Inc.	BUY	7.72	Ordinary	63,416	63,416
17-Oct-2022	The Vanguard Group, Inc.	BUY	7.69	Ordinary	3,250	3,250
18-Oct-2022	The Vanguard Group, Inc.	BUY	8.09	Ordinary	14,486	14,486
18-Oct-2022	The Vanguard Group, Inc.	BUY	8.05	Ordinary	2,135	2,135
20-Oct-2022	The Vanguard Group, Inc.	BUY	7.98	Ordinary	10,776	10,776
21-Oct-2022	The Vanguard Group, Inc.	BUY	7.96	Ordinary	554	554
21-Oct-2022	The Vanguard Group, Inc.	BUY	7.96	Ordinary	17,711	17,711
21-Oct-2022	The Vanguard Group, Inc.	BUY	8.27	Ordinary	8,082	8,082
21-Oct-2022	The Vanguard Group, Inc.	BUY	8.27	Ordinary	9,429	9,429
21-Oct-2022	The Vanguard Group, Inc.	BUY	8.27	Ordinary	7,525	7,525
21-Oct-2022	The Vanguard Group, Inc.	BUY	8.27	Ordinary	4,530	4,530
21-Oct-2022	The Vanguard Group, Inc.	BUY	8.27	Ordinary	3,624	3,624
21-Oct-2022	The Vanguard Group, Inc.	BUY	7.96	Ordinary	59,382	59,382
24-Oct-2022	The Vanguard Group, Inc.	BUY	8.34	Ordinary	46,197	46,197
24-Oct-2022	The Vanguard Group, Inc.	BUY	8.32	Ordinary	3,390	3,390
25-Oct-2022	The Vanguard Group, Inc.	SELL	8.27	Ordinary	(1,234)	(1,234)
25-Oct-2022	The Vanguard Group, Inc.	BUY	8.42	Ordinary	3,556	3,556
26-Oct-2022	The Vanguard Group, Inc.	BUY	8.79	Ordinary	12,123	12,123
26-Oct-2022	The Vanguard Group, Inc.	BUY	8.79	Ordinary	9,834	9,834
26-Oct-2022	The Vanguard Group, Inc.	BUY	8.79	Ordinary	2,260	2,260
26-Oct-2022	The Vanguard Group, Inc.	BUY	8.79	Ordinary	6,500	6,500
27-Oct-2022	The Vanguard Group, Inc.	BUY	8.90	Ordinary	3,038	3,038
28-Oct-2022	The Vanguard Group, Inc.	SELL	8.89	Ordinary	(2,630)	(2,630)
28-Oct-2022	The Vanguard Group, Inc.	BUY	8.83	Ordinary	8,082	8,082
28-Oct-2022	The Vanguard Group, Inc.	BUY	8.83	Ordinary	1,218	1,218
31-Oct-2022	The Vanguard Group, Inc.	BUY	8.73	Ordinary	5,650	5,650
1-Nov-2022	The Vanguard Group, Inc.	BUY	8.77	Ordinary	2,761	2,761
1-Nov-2022	The Vanguard Group, Inc.	BUY	8.84	Ordinary	1,112	1,112
1-Nov-2022	The Vanguard Group, Inc.	BUY	8.84	Ordinary	17,511	17,511
2-Nov-2022	The Vanguard Group, Inc.	BUY	8.94	Ordinary	53,680	53,680
3-Nov-2022	The Vanguard Group, Inc.	BUY	8.65	Ordinary	1,304	1,304
3-Nov-2022	The Vanguard Group, Inc.	BUY	8.59	Ordinary	2,857	2,857
3-Nov-2022	The Vanguard Group, Inc.	BUY	8.52	Ordinary	10,170	10,170
3-Nov-2022	The Vanguard Group, Inc.	BUY	8.52	Ordinary	9,750	9,750
4-Nov-2022	The Vanguard Group, Inc.	BUY	8.76	Ordinary	386	386
4-Nov-2022	The Vanguard Group, Inc.	BUY	9.31	Ordinary	9,471	9,471
4-Nov-2022	The Vanguard Group, Inc.	BUY	9.31	Ordinary	8,118	8,118
4-Nov-2022	The Vanguard Group, Inc.	BUY	9.31	Ordinary	8,028	8,028
7-Nov-2022	The Vanguard Group, Inc.	BUY	9.29	Ordinary	1,656	1,656
8-Nov-2022	The Vanguard Group, Inc.	BUY	9.40	Ordinary	1,368	1,368
9-Nov-2022	The Vanguard Group, Inc.	BUY	10.04	Ordinary	1,098	1,098
9-Nov-2022	The Vanguard Group, Inc.	BUY	10.04	Ordinary	8,317	8,317
9-Nov-2022	The Vanguard Group, Inc.	BUY	10.04	Ordinary	47,811	47,811
10-Nov-2022	The Vanguard Group, Inc.	BUY	10.33	Ordinary	6,765	6,765
10-Nov-2022	The Vanguard Group, Inc.	BUY	10.33	Ordinary	5,412	5,412
10-Nov-2022	The Vanguard Group, Inc.	BUY	10.33	Ordinary	8,118	8,118

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
10-Nov-2022	The Vanguard Group, Inc.	BUY	10.33	Ordinary	9,425	9,425
10-Nov-2022	The Vanguard Group, Inc.	BUY	9.70	Ordinary	22,061	22,061
11-Nov-2022	The Vanguard Group, Inc.	BUY	10.23	Ordinary	591	591
11-Nov-2022	The Vanguard Group, Inc.	BUY	10.51	Ordinary	4,520	4,520
11-Nov-2022	The Vanguard Group, Inc.	BUY	10.23	Ordinary	5,293	5,293
15-Nov-2022	The Vanguard Group, Inc.	BUY	10.12	Ordinary	1,950	1,950
16-Nov-2022	The Vanguard Group, Inc.	SELL	9.85	Ordinary	(3,225)	(3,225)
16-Nov-2022	The Vanguard Group, Inc.	BUY	9.85	Ordinary	6,780	6,780
16-Nov-2022	The Vanguard Group, Inc.	BUY	9.85	Ordinary	3,390	3,390
16-Nov-2022	The Vanguard Group, Inc.	SELL	9.89	Ordinary	(342)	(342)
17-Nov-2022	The Vanguard Group, Inc.	BUY	10.09	Ordinary	3,390	3,390
18-Nov-2022	The Vanguard Group, Inc.	BUY	10.00	Ordinary	1,098	1,098
18-Nov-2022	The Vanguard Group, Inc.	BUY	10.01	Ordinary	38,720	38,720
22-Nov-2022	The Vanguard Group, Inc.	BUY	10.09	Ordinary	391	391
22-Nov-2022	The Vanguard Group, Inc.	BUY	10.23	Ordinary	6,845	6,845
23-Nov-2022	The Vanguard Group, Inc.	BUY	10.56	Ordinary	3,390	3,390
23-Nov-2022	The Vanguard Group, Inc.	BUY	10.56	Ordinary	3,390	3,390
24-Nov-2022	The Vanguard Group, Inc.	BUY	10.52	Ordinary	13,439	13,439
25-Nov-2022	The Vanguard Group, Inc.	SELL	10.53	Ordinary	(6,450)	(6,450)
25-Nov-2022	The Vanguard Group, Inc.	BUY	10.53	Ordinary	3,390	3,390
29-Nov-2022	The Vanguard Group, Inc.	BUY	10.54	Ordinary	1,158	1,158
29-Nov-2022	The Vanguard Group, Inc.	BUY	10.33	Ordinary	2,955	2,955
30-Nov-2022	The Vanguard Group, Inc.	BUY	10.60	Ordinary	1,112	1,112
30-Nov-2022	The Vanguard Group, Inc.	BUY	10.60	Ordinary	7,312	7,312
30-Nov-2022	The Vanguard Group, Inc.	BUY	10.79	Ordinary	3,390	3,390
1-Dec-2022	The Vanguard Group, Inc.	SELL	10.86	Ordinary	(4,300)	(4,300)
1-Dec-2022	The Vanguard Group, Inc.	BUY	10.86	Ordinary	3,411	3,411
2-Dec-2022	The Vanguard Group, Inc.	BUY	11.08	Ordinary	1,156	1,156
2-Dec-2022	The Vanguard Group, Inc.	BUY	11.22	Ordinary	1,218	1,218
5-Dec-2022	The Vanguard Group, Inc.	BUY	10.92	Ordinary	200	200
6-Dec-2022	The Vanguard Group, Inc.	BUY	10.57	Ordinary	4,548	4,548
7-Dec-2022	The Vanguard Group, Inc.	BUY	10.76	Ordinary	5,685	5,685
8-Dec-2022	The Vanguard Group, Inc.	BUY	11.05	Ordinary	5,685	5,685
12-Dec-2022	The Vanguard Group, Inc.	BUY	10.77	Ordinary	5,685	5,685
13-Dec-2022	The Vanguard Group, Inc.	BUY	10.83	Ordinary	10,670	10,670
13-Dec-2022	The Vanguard Group, Inc.	BUY	10.83	Ordinary	1,108	1,108
13-Dec-2022	The Vanguard Group, Inc.	BUY	10.83	Ordinary	379	379
16-Dec-2022	The Vanguard Group, Inc.	BUY	10.66	Ordinary	566	566
16-Dec-2022	The Vanguard Group, Inc.	SELL	10.66	Ordinary	(3,213)	(3,213)
16-Dec-2022	The Vanguard Group, Inc.	SELL	10.66	Ordinary	(13,872)	(13,872)
16-Dec-2022	The Vanguard Group, Inc.	BUY	10.67	Ordinary	20,624	20,624
16-Dec-2022	The Vanguard Group, Inc.	BUY	10.66	Ordinary	6,263	6,263
19-Aug-2022	Vanguard Investments Australia Ltd.	BUY	7.72	Ordinary	14,415	14,415
24-Aug-2022	Vanguard Investments Australia Ltd.	BUY	7.55	Ordinary	14,340	14,340
31-Aug-2022	Vanguard Investments Australia Ltd.	BUY	7.88	Ordinary	19,140	19,140
1-Sep-2022	Vanguard Investments Australia Ltd.	BUY	7.45	Ordinary	4,820	4,820
5-Sep-2022	Vanguard Investments Australia Ltd.	BUY	7.47	Ordinary	24,225	24,225
8-Sep-2022	Vanguard Investments Australia Ltd.	BUY	7.48	Ordinary	6,832	6,832
9-Sep-2022	Vanguard Investments Australia Ltd.	BUY	7.72	Ordinary	24,375	24,375
12-Sep-2022	Vanguard Investments Australia Ltd.	BUY	7.73	Ordinary	4,880	4,880
16-Sep-2022	Vanguard Investments Australia Ltd.	BUY	7.40	Ordinary	190,245	190,245
16-Sep-2022	Vanguard Investments Australia Ltd.	SELL	7.40	Ordinary	(97,207)	(97,207)
19-Sep-2022	Vanguard Investments Australia Ltd.	BUY	7.61	Ordinary	4,710	4,710
20-Sep-2022	Vanguard Investments Australia Ltd.	BUY	7.70	Ordinary	4,710	4,710
23-Sep-2022	Vanguard Investments Australia Ltd.	BUY	7.49	Ordinary	7,568	7,568
23-Sep-2022	Vanguard Investments Australia Ltd.	BUY	7.49	Ordinary	18,920	18,920
27-Sep-2022	Vanguard Investments Australia Ltd.	BUY	7.11	Ordinary	8,532	8,532
29-Sep-2022	Vanguard Investments Australia Ltd.	BUY	7.49	Ordinary	8,541	8,541
30-Sep-2022	Vanguard Investments Australia Ltd.	SELL	7.83	Ordinary	(26,600)	(26,600)
3-Oct-2022	Vanguard Investments Australia Ltd.	BUY	7.67	Ordinary	8,397	8,397
3-Oct-2022	Vanguard Investments Australia Ltd.	BUY	7.67	Ordinary	18,660	18,660
5-Oct-2022	Vanguard Investments Australia Ltd.	BUY	8.48	Ordinary	5,640	5,640
11-Oct-2022	Vanguard Investments Australia Ltd.	BUY	8.18	Ordinary	6,594	6,594
13-Oct-2022	Vanguard Investments Australia Ltd.	BUY	8.13	Ordinary	3,471	3,471
17-Oct-2022	Vanguard Investments Australia Ltd.	BUY	7.66	Ordinary	4,695	4,695

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
18-Oct-2022	Vanguard Investments Australia Ltd.	BUY	8.09	Ordinary	18,760	18,760
25-Oct-2022	Vanguard Investments Australia Ltd.	BUY	8.27	Ordinary	20,680	20,680
26-Oct-2022	Vanguard Investments Australia Ltd.	BUY	8.56	Ordinary	5,646	5,646
31-Oct-2022	Vanguard Investments Australia Ltd.	BUY	8.74	Ordinary	14,160	14,160
2-Nov-2022	Vanguard Investments Australia Ltd.	BUY	8.95	Ordinary	6,622	6,622
7-Nov-2022	Vanguard Investments Australia Ltd.	BUY	9.29	Ordinary	3,477	3,477
7-Nov-2022	Vanguard Investments Australia Ltd.	BUY	9.29	Ordinary	8,128	8,128
14-Nov-2022	Vanguard Investments Australia Ltd.	BUY	10.13	Ordinary	19,020	19,020
21-Nov-2022	Vanguard Investments Australia Ltd.	SELL	10.00	Ordinary	(28,620)	(28,620)
24-Nov-2022	Vanguard Investments Australia Ltd.	BUY	10.58	Ordinary	14,325	14,325
29-Nov-2022	Vanguard Investments Australia Ltd.	BUY	10.54	Ordinary	14,325	14,325
5-Dec-2022	Vanguard Investments Australia Ltd.	BUY	10.92	Ordinary	23,775	23,775
8-Dec-2022	Vanguard Investments Australia Ltd.	BUY	10.92	Ordinary	4,656	4,656
12-Dec-2022	Vanguard Investments Australia Ltd.	BUY	10.79	Ordinary	9,470	9,470
13-Dec-2022	Vanguard Investments Australia Ltd.	BUY	10.83	Ordinary	9,460	9,460
13-Dec-2022	Vanguard Investments Australia Ltd.	BUY	10.83	Ordinary	14,190	14,190
14-Dec-2022	Vanguard Investments Australia Ltd.	SELL	10.97	Ordinary	(27,376)	(27,376)
16-Dec-2022	Vanguard Investments Australia Ltd.	BUY	10.66	Ordinary	551	551
16-Dec-2022	Vanguard Investments Australia Ltd.	BUY	10.66	Ordinary	10,822	10,822
16-Dec-2022	Vanguard Investments Australia Ltd.	BUY	10.67	Ordinary	35,086	35,086
20-Dec-2022	Vanguard Investments Australia Ltd.	BUY	10.78	Ordinary	9,430	9,430

This is Annexure A of 4 pages referred to in Form 603, notice of initial substantial holder.

Signature:



Name: Shawn Acker

Capacity: Compliance Manager

Date: 22-December-2022