WINSTONE AGGREGATES

5th September 2006

Auckland Regional Council
Private Bag 92 012
Auckland.

Attention: Naveen Kumar, Water Resources Section

Re: Three Kings Quarry De-watering Consent 12977

Dear Naveen

As required by Conditions 6 and 7 of the above resource consent, please find enclosed records of water meter readings and groundwater level measurements for the period of 1 June to 31 August 2006.

Please note that the groundwater level within bore 2B was not measure over this period. This is because access to bore 2B has not been possible as the quarry floor around the bore has been flooded since April 2006. Bore 5B has been taken as the quarry reference bore until bore 2B is able to be read.

I trust all is in order. Please contact the undersigned if any further information or clarification is required.

Yours faithfully
for **Winstone Aggregates**

Michael Harris
Engineering Geologist.

THREE KINGS QUARRY

RESOURCE CONSENT 12977

QUARTERLY REPORT

September 2006

QUARTERLY REPORT

THREE KING QUARRY – RESOURCE CONSENT 12977

The following report is made with regard to Conditions 6 and 7 of Resource Consent 12977.

This report contains water meter readings which record the quantity of groundwater being taken and groundwater levels within boreholes surrounding the take point.

A plan showing the location of boreholes in which groundwater levels were measured is attached.

This report contains records for the period of the 1st June to 31st August 2006.

Water Use Record Sheet - 1st Quarter 2006/2007

Water Use Record Sheet

Permit Holder: Winstone Aggregates

Permit Number: 12977

Meter Readings

	Metro Bore
1st June 2006:	10230323
1st June 2006:	10230323

Annual Use: 286237

Quarterly Water Use: 286237

Date	Metro Bore
1/06/2006	10230323
2/06/2006	10232874
3/06/2006	10235425
4/06/2006	
5/06/2006	
6/06/2006	10243150
7/06/2006	10245209
8/06/2006	10248275
9/06/2006	10251596
10/06/2006	10254918
11/06/2006	
12/06/2006	10260463
13/06/2006	10263569
14/06/2006	10266675
15/06/2006	10269646
16/06/2006	10272888
17/06/2006	10276127
18/06/2006	
19/06/2006	10282632
20/06/2006	10285755
21/06/2006	10289062
22/06/2006	10292350
23/06/2006	10295567
24/06/2006	10298817
25/06/2006	
26/06/2006	10305307
27/06/2006	10308602
28/06/2006	10311839
29/06/2006	10315098
30/06/2006	10318313

Date	Metro Bore
1/07/2006	10321651
2/07/2006	
3/07/2006	10328199
4/07/2006	10331486
5/07/2006	10334769
6/07/2006	10338033
7/07/2006	10341318
8/07/2006	10344608
9/07/2006	
10/07/2006	10351055
11/07/2006	10354315
12/07/2006	10357499
13/07/2006	10360683
14/07/2006	10363867
15/07/2006	10367124
16/07/2006	
17/07/2006	10373500
18/07/2006	10376684
19/07/2006	10379868
20/07/2006	10383082
21/07/2006	10386161
22/07/2006	10389420
23/07/2006	
24/07/2006	10395699
25/07/2006	10398897
26/07/2006	10402802
27/07/2006	10405253
28/07/2006	10408445
29/07/2006	10411653
30/07/2006	
31/07/2006	10418068

Date	Metro Bore
1/08/2006	10420869
2/08/2006	10424050
3/08/2006	10427218
4/08/2006	10430376
5/08/2006	10433534
6/08/2006	
7/08/2006	10439951
8/08/2006	10443135
9/08/2006	10446354
10/08/2006	10449573
11/08/2006	10452792
12/08/2006	10456011
13/08/2006	
14/08/2006	10462449
15/08/2006	10465668
16/08/2006	10468887
17/08/2006	10472106
18/08/2006	10475325
19/08/2006	10478544
20/08/2006	
21/08/2006	10484600
22/08/2006	10487805
23/08/2006	10490976
24/08/2006	10494181
25/08/2006	10497385
26/08/2006	10500604
27/08/2006	
28/08/2006	10506661
29/08/2006	10509961
30/08/2006	10513261
31/08/2006	10516560

THREE KINGS GROUNDWATER LEVEL RECORD SHEET

Date	BH 1B		BH 2B		BH 5B		BH 6A		BH6B		BH 6C		BH 7		BH 10a	
20-Jun-06	9.53	36.69			42.25	36.01	33.15	45.64	37.84	40.95	41.67	37.12	27.41	41.20	29.59	51.17
19-Jul-06	9.42	36.80			42.13	36.13	32.62	46.17	37.75	41.04	41.66	37.13	28.51	40.10	29.64	51.12
16-Aug-06	9.24	36.98					32.54	46.25	37.60	41.19	41.42	37.37	27.97	40.64	29.72	51.04

Date	BH 10b		BH 11b		BH 12a		BH 12b		BH 13a		BH13c		BH 16		BH 17	
20-Jun-06	8.12	72.64	7.60	72.39	21.06	51.17	5.04	67.09	7.87	64.30	7.16	66.25	48.54	51.60	41.96	35.92
19-Jul-06	8.12	72.64	7.59	72.40	21.12	51.11	5.15	66.98	9.95	62.22	7.20	66.21	48.50	51.64	41.85	36.03
16-Aug-06	8.11	72.65	7.58	72.41	21.02	51.21	5.08	67.05	7.68	64.49	7.19	66.22	48.60	51.54	41.57	36.31

Date	BH 18A		BH 18B		BH 19A		BH 19B		BH 20		BH 20a		BH 21		BH 22	
20-Jun-06	47.8	36.70	39.08	45.42	44.13	35.92	41.60	38.45	1.47	55.19	4.88	51.86	35.57	36.74	34.05	41.19
19-Jul-06	47.34	37.16	38.26	46.24	43.95	36.10	41.60	38.45	1.36	55.30	5.00	51.74	35.37	36.94	34.05	41.19
16-Aug-06	47.34	37.16	38.51	45.99	43.78	36.27	41.40	38.65	1.26	55.40	4.99	51.75	35.23	37.08	34.04	41.20

Date	BH 22a		BH 23		BH 23a		BH 24		BH 24a		BH 25		BH 25a		BH25b1	
20-Jun-06	9.67	65.47	5.69	51.51	6.21	51.13	6.77	56.03	0.45	62.31	21.47	37.98	9.80	49.64	10.46	49.35
19-Jul-06	9.87	65.27	5.66	51.54	6.20	51.14	6.74	56.06	0.39	62.37	21.27	38.18	9.65	49.79	10.53	49.42
16-Aug-06	9.76	65.38	5.58	51.62	6.17	51.17	6.71	56.09	0.22	62.54	21.16	38.29	9.77	49.67	10.54	49.43

Date	BH25b2		BH 26		BH 26a		BH 27		BH28a		BH28b		BH29		BH30	
20-Jun-06	8.91	52.30	0.48	58.96	5.06	54.35	0	49.60	6.49	51.14	4.29	53.34	8.82	57.78	17.07	55.30
19-Jul-06	8.73	52.12	0.42	59.02	5.92	53.49	0	49.60	6.51	51.16	3.95	53.00	8.75	57.85	16.96	55.19
16-Aug-06	8.88	52.27	0.39	59.05	5.11	54.30	0	49.60	6.58	51.23	4.31	53.36	8.63	57.97	17.05	55.28

Date	BH31a		BH31b		BH32		BH33		BH34		BH35a		BH35b		BH36a	
20-Jun-06	15.29	48.88	12.93	50.22	3.47	55.19	2.69	57.58	8.70	50.05	15.97	50.29	11.06	55.20	7.66	58.87
19-Jul-06	15.32	48.91	12.98	50.27	3.86	54.80	2.81	57.46	8.71	50.04	16.07	50.19	10.99	55.27	7.75	58.78
16-Aug-06	15.42	49.01	13.08	50.37	3.67	54.99	2.92	57.35	8.69	50.06	15.93	50.33	11.03	55.23	7.72	58.81

Date	BH36b		BH37a		BH37b		BH38a		BH38b		BH39a		BH39b		BH40a	
20-Jun-06	7.48	59.05	3.55	53.99	3.67	53.93	4	54.48	4.70	53.77	6.89	55.10	5.01	57.12	9.76	61.56
19-Jul-06	7.50	59.03	3.56	53.98	3.74	53.86	4.03	54.45	4.87	53.60	6.92	55.07	5.06	57.07	9.77	61.55
16-Aug-06	7.51	59.02	3.56	53.98	3.70	53.90	3.96	54.52	4.83	53.64	6.83	55.16	4.95	57.18	9.10	62.22

Date	BH40b															
20-Jun-06	7.76	63.60														
19-Jul-06	7.78	63.58														
16-Aug-06	7.75	63.61														

Locations of boreholes are marked on the attached plan

Waterlevels within standpipe piezometers are expressed as depth below surface levels (first column) and as elevations above sealevel (second column).

Waterlevels within pneumatic piezometers are expressed as head of water above piezomater tip (first column) and as elevations above sealevel (second column).