



WINSTONE
AGGREGATES

13th March 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 December 2005 to 28 February 2006.

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

March 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 December 2005 to 28th February 2006.

Water Use Record Sheet

Permit Holder: Winstone Aggregates

Permit Number: 12977

Meter Readings

Metro Bore
 1st June 2005: 9239852
 1st December 2005: 9751685

Annual Use: 772150

Quarterly Water Use: 260317

Date	Metro Bore	Date	Metro Bore	Date	Metro Bore
1/12/2005	9751685	1/01/2006		1/02/2006	9940515
2/12/2005	9754869	2/01/2006		2/02/2006	9943459
3/12/2005	9758052	3/01/2006		3/02/2006	9946415
4/12/2005		4/01/2006		4/02/2006	9949395
5/12/2005	9763982	5/01/2006		5/02/2006	
6/12/2005	9767160	6/01/2006		6/02/2006	
7/12/2005	9770244	7/01/2006		7/02/2006	9958268
8/12/2005	9773342	8/01/2006		8/02/2006	9961258
9/12/2005	9776441	9/01/2006	9872366	9/02/2006	9964212
10/12/2005	9779580	10/01/2006	9875280	10/02/2006	9967165
11/12/2005		11/01/2006	9878199	11/02/2006	9970140
12/12/2005	9785748	12/01/2006	9881268	12/02/2006	
13/12/2005	9788874	13/01/2006	9884242	13/02/2006	9976043
14/12/2005	9791999	14/01/2006	9887231	14/02/2006	9979024
15/12/2005	9795100	15/01/2006		15/02/2006	9982000
16/12/2005	9798223	16/01/2006	9893146	16/02/2006	9984981
17/12/2005	9801353	17/01/2006	9896148	17/02/2006	9987952
18/12/2005		18/01/2006	9899127	18/02/2006	9990275
19/12/2005	9807509	19/01/2006	9902132	19/02/2006	
20/12/2005	9810601	20/01/2006	9905081	20/02/2006	9993119
21/12/2005	9813709	21/01/2006	9908077	21/02/2006	9995422
22/12/2005	9816817	22/01/2006		22/02/2006	9997799
23/12/2005	9819865	23/01/2006	9914010	23/02/2006	10000150
24/12/2005		24/01/2006	9916996	24/02/2006	10002533
25/12/2005		25/01/2006	9919982	25/02/2006	10004947
26/12/2005		26/01/2006	9922827	26/02/2006	
27/12/2005		27/01/2006	9925678	27/02/2006	10009597
28/12/2005		28/01/2006	9928666	28/02/2006	10012002
29/12/2005		29/01/2006			
30/12/2005		30/01/2006			
31/12/2005		31/01/2006	9937537		

THREE KINGS GROUNDWATER LEVEL RECORD SHEET

Date	BH 1B	BH 2B	BH 5B	BH 6A	BH 6B	BH 6C	BH 7	BH 10a							
14-Dec-05	12.48	35.22	34.47	43.62	34.64	32.78	46.01	38.57	40.22	43.00	35.79	28.71	39.90	29.85	50.91
18-Jan-06	12.82	34.88	3.86	34.11	44.03	34.23	45.62	38.82	39.97	43.34	35.45	28.85	39.76	29.87	50.89
15-Feb-06	13.03	34.67	3.94	34.03	44.20	34.06	45.41	38.98	39.81	43.50	35.29	28.86	39.75	29.87	50.89

Date	BH 10b	BH 11b	BH 12a	BH 12b	BH 13a	BH 13c	BH 16	BH 17							
14-Dec-05	8.10	72.66	7.58	72.41	21.34	50.89	5.12	67.01	13.57	58.60	7.20	66.21	51.40	43.48	34.40
18-Jan-06	8.11	72.65	7.58	72.41	21.52	50.71	5.12	67.01	16.20	55.97	7.19	66.22	51.18	43.77	34.11
15-Feb-06	8.11	72.65	7.59	72.40	21.63	50.60	5.16	66.97	16.45	55.72	7.19	66.22	51.07	43.85	34.03

Date	BH 18A	BH 18B	BH 19A	BH 19B	BH 20	BH 20a	BH 21	BH 22								
14-Dec-05	48.48	36.02	35.78	36.02	45.63	45.43	34.62	41.10	38.95	1.96	54.70	5.43	51.31	36.16	34.03	41.21
18-Jan-06	48.72	35.78	39.04	39.04	45.46	45.79	34.26	41.12	38.93	1.79	54.87	5.84	50.90	36.32	34.03	41.21
15-Feb-06	10.44	64.70	5.89	51.31	6.29	51.05	51.05	7.00	55.80	0.59	62.17	22.26	37.19	13.02	46.42	46.83

Date	BH 22a	BH 23	BH 24	BH 24a	BH 25	BH 25a	BH 29	BH 30																	
14-Dec-05	10.49	64.65	5.85	51.35	6.29	51.05	54.17	5.24	58.31	1.13	58.31	1.24	58.20	5.29	54.12	0	49.60	6.19	50.84	3.67	52.72	8.99	57.61	16.87	55.10
18-Jan-06	10.49	64.65	5.85	51.35	6.28	51.06	54.12	5.31	58.21	1.23	58.21	1.23	58.21	5.31	54.10	0	49.60	6.08	50.73	3.44	52.49	9.07	57.53	16.80	55.03
15-Feb-06	10.44	64.70	5.89	51.31	6.29	51.05	54.10	5.31	58.21	1.23	58.21	1.23	58.21	5.31	54.10	0	49.60	5.98	50.63	3.31	52.36	9.14	57.46	16.71	54.94

Date	BH 25b2	BH 26	BH 26a	BH 27	BH 28a	BH 28b	BH 29	BH 30																
14-Dec-05	8.37	51.76	1.13	58.31	5.24	54.17	5.24	58.31	1.13	58.31	1.24	58.20	5.29	54.12	0	49.60	6.19	50.84	3.67	52.72	8.99	57.61	16.87	55.10
18-Jan-06	8.01	51.40	1.24	58.20	5.29	54.12	5.31	58.21	1.23	58.21	1.23	58.21	5.31	54.10	0	49.60	6.08	50.73	3.44	52.49	9.07	57.53	16.80	55.03
15-Feb-06	7.74	51.13	1.23	58.21	5.31	54.10	5.31	58.21	1.23	58.21	1.23	58.21	5.31	54.10	0	49.60	5.98	50.63	3.31	52.36	9.14	57.46	16.71	54.94

Date	BH 31a	BH 31b	BH 32	BH 33	BH 34	BH 35a	BH 35b	BH 36a								
14-Dec-05	15.13	48.72	12.85	50.14	4.20	54.46	2.91	57.36	10.76	47.99	15.87	50.39	11.09	55.17	7.83	58.70
18-Jan-06	15.10	48.69	12.76	50.05	4.45	54.21	3.05	57.22	10.53	48.22	15.82	50.44	11.18	55.08	7.94	58.59
15-Feb-06	14.93	48.52	12.66	49.95	4.56	54.10	3.18	57.09	10.55	48.20	15.90	50.36	11.28	54.98	7.99	58.54

Date	BH 36b	BH 37a	BH 37b	BH 38a	BH 38b	BH 39a	BH 39b	BH 40a								
14-Dec-05	7.68	58.85	3.67	53.87	3.80	53.80	4.27	54.21	4.91	53.56	6.93	55.06	5.12	57.01	9.58	61.74
18-Jan-06	7.75	58.78	3.75	53.79	3.84	53.76	4.21	54.27	4.90	53.57	6.94	55.06	5.17	56.96	9.61	61.71
15-Feb-06	7.81	58.72	3.76	53.78	3.85	53.75	4.26	54.22	4.96	53.49	6.95	55.04	5.19	56.94	9.54	61.78

Date	BH 40b	
14-Dec-05	7.66	53.70
18-Jan-06	7.71	53.65
15-Feb-06	7.76	53.60

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 seallevel (second column).

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