

3rd December 2018

Auckland Council
Private Bag 92300
Auckland 1142

Attention: Richard Preece

**Re: Three Kings Fill – Quarterly Reporting
Permits 36221, 36222, 37770, R/LUC/2009/743**

Dear Richard

Please find enclosed information that is to be submitted quarterly to Council as required by the above mentioned permits.

This reporting period covers 1st September 2018 through to 30th November 2018. The issuing of the next quarterly report will be submitted in early March 2019 and will include the monitoring data for December 2018 to February 2019.

Truck Movements Register:

Condition 50 of the above listed consents states that no more than 375 trucks are to enter the site per day and a register is to be kept which records all truck movements to and from the site. This register is to be submitted quarterly to Council.

Enclosed are summary sheets of this register for the months September 2018, October 2018 and November 2018. As of October 2018 the truck movements associated with the Southern Reserve Remediation works have been included in the attached register.

It is noted that each day of the reporting period complies with the 375 limit.

Earthworks – Monitoring:

Condition 75 requires the groundwater pumped from the site to be sampled and tested for suspended solids and turbidity. The frequency of this monitoring is quarterly for the first two years and then every six months for the remainder of the consent. The site is now sampling at six month intervals.

The results of the suspended solids and turbidity monitoring undertaken in September 2018 are enclosed. It is noted that the results are below the consented trigger limit.

Incidents and Complaints Register:

Condition 42 requires the implementation of a Traffic Management Plan. Section 4.0 of this plan details the site's Incidents and Complaints Procedure and reporting requirements. The reporting requirement is that a summary of the incident and complaints will be submitted quarterly to Council.

A copy of the Incidents and Complaints Register for the period September 2018 to November 2018 is enclosed.

Should you have any queries please do not hesitate to contact me on 027 504 3624 or at angela.klein@winstoneaggregates.co.nz.

Yours faithfully

A handwritten signature in cursive script that reads "AKlein".

Angela Klein
Environmental Fill Specialist



Three Kings Quarry

Truck Movements

1 September 2018 – 30 November 2018

Truck Movements - September 2018

Day	# of 4 Wheeler Fill Trucks	# of 6 Wheeler Fill Trucks	# of 8 Wheeler Fill Trucks	# of Articulated Fill Trucks	# of Truck and Trailer Fill Trucks	Total # of Fill Truck	# of Aggregate Trucks	Total Trucks to Enter Site
1/09/2018	0	0	0	0	0	0	0	0
2/09/2018								
3/09/2018	0	0	0	0	9	9	0	9
4/09/2018	0	0	0	0	13	13	0	13
5/09/2018	0	0	0	0	13	13	0	13
6/09/2018	0	0	0	0	16	16	0	16
7/09/2018	0	0	0	0	16	16	0	16
8/09/2018	0	0	0	0	0	0	0	0
9/09/2018								
10/09/2018	0	0	0	0	0	0	0	0
11/09/2018	2	0	0	0	0	2	0	2
12/09/2018	0	0	0	0	8	8	0	8
13/09/2018	0	0	0	0	9	9	0	9
14/09/2018	0	0	0	0	9	9	0	9
15/09/2018	0	0	0	0	5	5	0	5
16/09/2018								
17/09/2018	0	0	0	7	10	17	0	17
18/09/2018	0	28	1	17	4	50	0	50
19/09/2018	0	2	9	4	5	20	0	20
20/09/2018	0	0	10	8	8	26	0	26
21/09/2018	0	0	3	0	11	14	0	14
22/09/2018	0	0	0	0	0	0	0	0
23/09/2018								
24/09/2018	0	0	0	17	8	25	0	25
25/09/2018	0	0	0	13	13	26	0	26
26/09/2018	0	0	0	17	8	25	0	25
27/09/2018	0	0	0	18	0	18	0	18
28/09/2018	0	2	0	14	6	22	0	22
29/09/2018	0	0	0	0	0	0	0	0
30/09/2018								

Site closed.

Daily Average =

14

Truck Movements - October 2018

Day	# of 4 Wheeler Fill Trucks	# of 6 Wheeler Fill Trucks	# of 8 Wheeler Fill Trucks	# of Articulated Fill Trucks	# of Truck and Trailer Fill Trucks	Total # of Fill Truck	SRL Trucks	Total Trucks to Enter Site
1/10/2018	0	0	0	1	0	1	0	1
2/10/2018	0	0	0	6	0	6	0	6
3/10/2018	0	0	0	8	0	8	0	8
4/10/2018	0	0	0	9	0	9	0	9
5/10/2018	0	0	0	8	0	8	0	8
6/10/2018	0	7	0	10	0	17	0	17
7/10/2018								
8/10/2018	0	5	0	11	0	16	0	16
9/10/2018	0	9	0	10	0	19	0	19
10/10/2018	0	0	0	18	0	18	0	18
11/10/2018	0	0	0	16	0	16	0	16
12/10/2018	0	0	0	11	0	11	0	11
13/10/2018	0	0	0	11	0	11	0	11
14/10/2018								
15/10/2018	0	0	9	22	14	45	0	45
16/10/2018	0	0	0	16	4	20	0	20
17/10/2018	0	1	1	22	23	47	0	47
18/10/2018	0	0	1	21	40	62	0	62
19/10/2018	0	0	0	23	12	35	0	35
20/10/2018	0	0	0	1	0	1	0	1
21/10/2018								
22/10/2018								
23/10/2018	0	0	0	12	39	51	0	51
24/10/2018	0	8	0	26	38	72	0	72
25/10/2018	0	10	2	19	70	101	0	101
26/10/2018	0	0	0	19	64	83	0	83
27/10/2018	0	0	0	8	5	13	0	13
28/10/2018								
29/10/2018	0	7	0	15	0	22	7	29
30/10/2018	0	1	8	13	0	22	13	35
31/10/2018	1	19	17	30	0	67	16	83

Site closed.

Daily Average =

31

Truck Movements - November 2018

Day	# of 4 Wheeler Fill Trucks	# of 6 Wheeler Fill Trucks	# of 8 Wheeler Fill Trucks	# of Articulated Fill Trucks	# of Truck and Trailer Fill Trucks	Total # of Fill Truck	SRL Trucks	Total Trucks to Enter Site
1/11/2018	0	0	18	16	0	34	8	42
2/11/2018	0	13	8	20	0	41	16	57
3/11/2018	0	0	0	18	0	18	5	23
4/11/2018								
5/11/2018	0	1	12	16	0	29	12	41
6/11/2018	0	2	19	13	0	34	5	39
7/11/2018	0	0	0	23	0	23	0	23
8/11/2018	0	0	17	24	0	41	0	41
9/11/2018	0	0	12	24	0	36	0	36
10/11/2018	0	0	9	22	0	31	0	31
11/11/2018								
12/11/2018	0	0	9	20	0	29	0	29
13/11/2018	0	12	5	20	0	37	15	52
14/11/2018	0	13	0	26	0	39	16	55
15/11/2018	0	1	2	24	28	55	15	70
16/11/2018	0	0	0	22	1	23	15	38
17/11/2018	0	0	2	18	0	20	6	26
18/11/2018								
19/11/2018	0	0	11	15	0	26	6	32
20/11/2018	0	0	0	19	0	19	12	31
21/11/2018	0	0	0	11	0	11	12	23
22/11/2018	0	32	0	19	0	51	9	60
23/11/2018	0	0	0	23	0	23	12	35
24/11/2018	0	0	0	0	0	0	0	0
25/11/2018								
26/11/2018	0	0	0	22	0	22	0	22
27/11/2018	0	0	0	22	0	22	3	25
28/11/2018	0	0	0	4	0	4	6	10
29/11/2018	0	0	4	12	3	19	8	27
30/11/2018	0	8	7	13	0	28	7	35

Site closed.

Daily Average =

35



Three Kings Quarry

Groundwater Monitoring – Results for Suspended Solids and Turbidity

September 2018

Suspended Solids and Turbidity Results – 27 September 2018

Sample Date	Total Suspended Solids (mg/L)	Turbidity (NTU)
Trigger	30	30
27 September 2018	<3	0.13



Three Kings Quarry

Incident and Complaints

1 September 2018 – 30 November 2018

Environmental Incident and Complaints Register: 1st Sept 2018 – 30th Nov 2018

Ref #	Date	Summary of Issue	Summary of Action
112	7/09/2018	Complaint received regarding noise from incoming/outgoing trucks parking inside quarry along SHA fenceline.	All incoming /outgoing trucks have been instructed not to park along SHA fenceline. No parking signs and cones have been put in place by Winstone Aggregates staff.
113	20/09/2018	Compromised reported data from borehole groundwater monitoring conducted by Geotechnics Ltd on a monthly basis. Reported data from period January 2017 to July 2018 deemed unreliable.	Geotechnics internal investigation found the quality of work performed by one of their technicians from Jan 2017 - July 2018 was questionable (perhaps falsified). Different technician has now taken over and monthly results are checked by Geotechnics senior staff and Mike Harris.
114	18/10/2018	Complaint received regarding dust from quarry entering SHA apartments mechanical ventilation system.	Checked office BAM dust readings, no exceedances above consented limit. Internal haul roads within the quarry were improved to allow the watercart better access throughout the quarry and watercart frequency increased on dry windy days.