

## Maintenance Discharge Consent Annual Report: Jan-Dec 2017

**Consent numbers:** REG/2014/2140175, REG/20142140176  
**Report Date:** 19 January 2018  
**Prepared by:** s 9(2)(a) AHBA Delivery Manager  
**Reviewed by:** s 9(2)(a) AHBA Environmental Consultant  
**Approved by:** s 9(2)(a) AHBA Alliance Manager

This report summarises compliance with the Auckland Harbour Bridge maintenance programme consents REG/2014/2140175 & REG/20142140176 for the year 2017.

All works were undertaken in compliance with the consent conditions, and the requirements of the EMP.

A summary of the works undertaken under this consent in the current reporting period is provided in Attachment A. Compliance with thresholds and other controls is summarised below.

### Compliance with discharge thresholds (see Attachment B)

	Total (kg)	'Threshold' (kg)	Comply?
Garnet discharged to coast	8660	14680	Yes
Zinc discharged to coast	31.8	223	Yes
'Paint' discharged to coast (incl. zinc)	148.4	646	Yes

### Compliance with air controls

	Comply?	Details attached
Buffer zones	Yes	n/a
Wind speed and direction controls	Yes	n/a

### Other compliance

	Incident/complaint?	Details attached
Environmental incidents	None	n/a
Noise complaints	None	n/a
Odour complaints	None	n/a

### Summary of changes made through AMP

None to report
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### Attachments

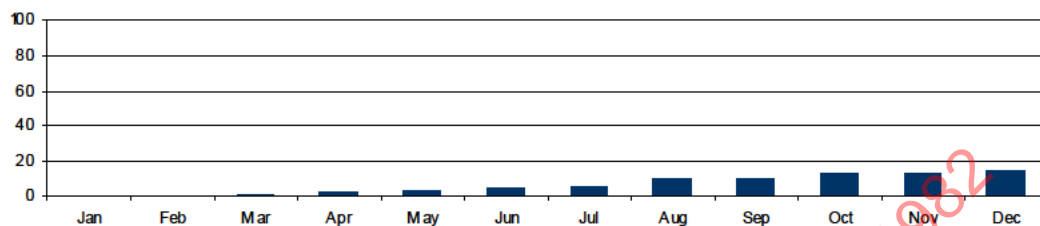
- A. Maintenance Works Log
- B. Discharge Summary Report

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## 2017

### Zinc

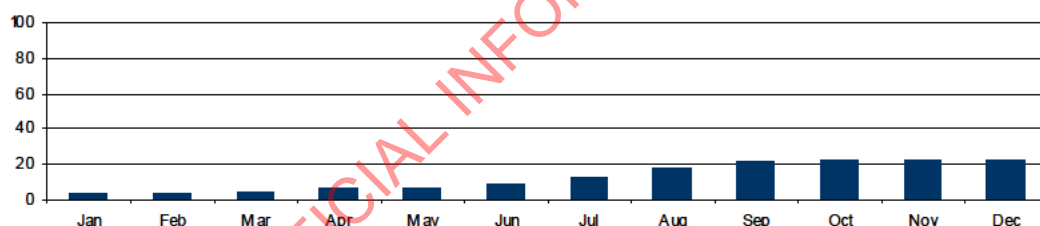
Total Mass Discharged (kg)	31.8
Coastal Threshold	223
Proportion Used	14
Proportion Remaining	86



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Mass discharge per month (kg)	0.2	0.7	0.7	3.7	1.7	2.2	3.3	9.9	0.6	6.1	1.2	1.5
Cumulative discharge (kg)	0.2	0.9	1.6	5.3	7	9.2	12.5	22.4	23	29.1	30.3	31.8

### Paint

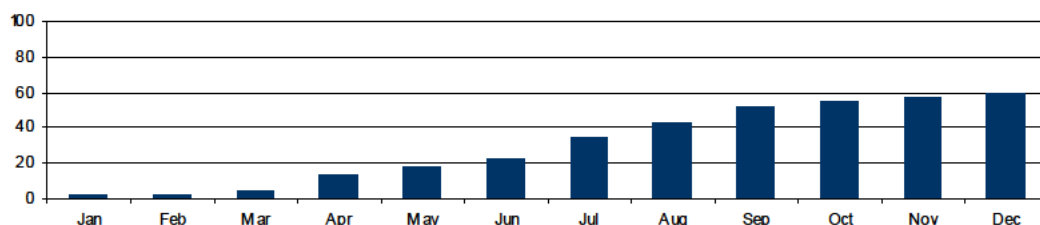
Total Mass Discharged (kg)	148.4
Coastal Threshold	646
Proportion Used	23
Proportion Remaining	77



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Mass discharge per month (kg)	19.6	5.4	4.9	9.9	5.4	14.5	18.4	36.5	23.6	4	1.9	4.3
Cumulative discharge (kg)	19.6	25	29.9	39.8	45.2	59.7	78.1	114.6	138.2	142.2	144.1	148.4

### Particulate

Total Mass Discharged (kg)	8660
Coastal Threshold	14679
Proportion Used	59
Proportion Remaining	41



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Mass discharge per month (kg)	300	90	240	1365	630	680	1800	1110	1425	510	240	270
Cumulative discharge (kg)	300	390	630	1995	2625	3305	5105	6215	7640	8150	8390	8660

# AHB Maintenance Works Log

1/01/2017 - 31/12/2017

Date	Location	Activity	Area (m2)	Garnet (kg)	Paint (L)	Overspray (%)	Containment (%)	Notes
29/12/2017	Coast	Painting: MC-Miomastic	33		7	10	0	Span 5. PP12. Spray application. Airless
29/12/2017	Coast	Painting: MC-Zinc	28		6.5		0	Span 5. PP12. Hand Application (Brush and roller)
29/12/2017	Coast	Dry abrasive blasting	17	345			0	Span 4. PP12
29/12/2017	Coast	Waterblasting (>1000psi)	405				0	Spans 1, 3, 4 and 5
30/11/2017	Coast	Painting: MC-Ferrox	67		14		0	Span 4. Hand Application (Brush and roller)
30/11/2017	Coast	Painting: MC-Ferrox	67		14		0	Span 4. Hand Application (Brush and roller)
30/11/2017	Coast	Painting: MC-Ferrox	133		28	10	0	Span 3. Spray application. Airless. No netting required
30/11/2017	Coast	Painting: MC-Miomastic	43		9		0	Span 4. Hand Application (Brush and roller)
30/11/2017	Coast	Painting: MC-Zinc	30		7		0	Span 4. Hand Application (Brush and roller)
30/11/2017	Coast	Dry abrasive blasting	30	600			0	Span 4. No netting required
27/10/2017	Coast	Painting: MC-Ferrox	219		46	10	0	Span 1. Spray application. Airless. Netting in place
27/10/2017	Coast	Painting: MC-Miomastic	105		22	10	0	Span 3. No netting required
27/10/2017	Coast	Painting: MC-Ferrox	114		24	10	0	Span 3. Spray application. Airless. No netting required
27/10/2017	Coast	Painting: MC-Miomastic	190		40	10	0	Span 1. Spray application. Airless. Netting in place
30/09/2017	Coast	Painting: MC-Miomastic	33		7		0	Span 1. Hand Application (Brush and roller)
30/09/2017	Coast	Painting: MC-Zinc	22		5		0	Span 3. Hand Application (Brush and roller)
30/09/2017	Coast	Dry abrasive blasting	16	315			0	Span 3.
31/08/2017	Coast	Painting: MC-Ferrox	162		34	10	0	Span 3. Spray application. Airless
31/08/2017	Coast	Painting: MC-Zinc	35		8		0	Span 3. Hand Application (Brush and roller)
31/08/2017	Coast	Dry abrasive blasting	80	1605			0	Span 1. Netting in place
31/08/2017	Coast	Dry abrasive blasting	2	45			0	Span 2 Pin joints
31/08/2017	Coast	Dry abrasive blasting	51	1020			0	Span 3.
31/08/2017	Coast	Painting: MC-Zinc	50		11.5		0	Span 1. Hand Application (Brush and roller)
31/08/2017	Coast	Painting: MC-Zinc	4		1		0	Span 2 Pin Joint. Hand Application (Brush and roller)
31/08/2017	Coast	Painting: MC-Miomastic	29		6		0	Span 2. Hand Application (Brush and roller)
31/08/2017	Coast	Painting: MC-Miomastic	210		44	10	0	Span 3. Spray application. Airless
31/08/2017	Coast	Painting: MC-Ferrox	33		7		0	Span 2 Pin Joints. Hand Application (Brush and roller)

Date	Location	Activity	Area (m2)	Garnet (kg)	Paint (L)	Overspray (%)	Containment (%)	Notes
31/08/2017	Coast	Waterblasting (>1000psi)	320				0	Span 3.
31/08/2017	Coast	Painting: MC-Miomastic	0.5		2		0	Span 1. Hand Application (Brush and roller)
31/08/2017	Coast	Waterblasting (>1000psi)	320				0	Span 1.
31/08/2017	Coast	Painting: MC-Ferrox	2		0.5		0	Span 1 Hand Application (Brush and roller)
28/07/2017	Coast	Dry abrasive blasting	9	180			0	Span 1. PP 14 (No netting required)
28/07/2017	Coast	Painting: MC-Ferrox	61		14	5	0	Span 5. Spray application. Airless. No netting required
28/07/2017	Coast	Painting: MC-Ferrox	9		2		0	Span 1. Hand Application (Brush and roller)
28/07/2017	Coast	Painting: MC-Miomastic	75		16	5	0	Span 5. Spray application. Airless. No netting required
28/07/2017	Coast	Painting: MC-Zinc	41		9.5		0	Span 3. Hand application
28/07/2017	Coast	Dry abrasive blasting	52	1035			0	Span 3. Post
28/07/2017	Coast	Painting: MC-Miomastic	9		2		0	Span 5. Hand Application (Brush and roller)
28/07/2017	Coast	Painting: MC-Ferrox	9		2		0	Span 5. Hand Application (Brush and roller)
28/07/2017	Coast	Painting: MC-Zinc	9		2		0	Span 1. Hand Application
28/07/2017	Coast	Waterblasting (>1000psi)	28				0	Span 3 Posts
28/07/2017	Coast	Waterblasting (>1000psi)	14				0	Span 1. Posts
28/07/2017	Coast	Waterblasting (>1000psi)	28				0	Span 1. Posts
28/07/2017	Coast	Painting: MC-Miomastic	7		1.5		0	Span 1. Hand Application
3/07/2017	Coast	Waterblasting (>1000psi)	28				0	Span 7. Posts
3/07/2017	Coast	Waterblasting (>1000psi)	28				0	Span 1. Posts
3/07/2017	Coast	Waterblasting (>1000psi)	28				0	Span 3. Posts
3/07/2017	Coast	Waterblasting (>1000psi)	28				0	Span 3. Posts
3/07/2017	Coast	Waterblasting (>1000psi)	28				0	Span 5. Post
30/06/2017	Coast	Painting: MC-Ferrox	19		4	0	0	Span 5. Hand Application (Brush and roller)
30/06/2017	Coast	Painting: MC-Zinc	17		4	0	0	Span 1. Hand Application (Brush and roller)
30/06/2017	Coast	Painting: MC-Zinc	11		2.5	0	0	Span 2. Hand Application (Brush and roller)
30/06/2017	Coast	Painting: MC-Zinc	26		6	0	0	Span 3. Hand Application (Brush and roller)
30/06/2017	Coast	Painting: MC-Zinc	11		2.5	0	0	Span 5. Hand Application (Brush and roller)
30/06/2017	Coast	Painting: MC-Zinc	11		2.5	0	0	Span 5. Hand Application (Brush and roller)
30/06/2017	Coast	Painting: MC-Zinc	11		2.5	0	0	Span 7. Hand Application (Brush and roller)
30/06/2017	Coast	Painting: MC-Miomastic	5		1	0	0	Span 3. Hand Application (Brush and roller)

Date	Location	Activity	Area (m2)	Garnet (kg)	Paint (L)	Overspray (%)	Containment (%)	Notes
30/06/2017	Coast	Dry abrasive blasting	11	210			0	Span 5.
30/06/2017	Coast	Painting: MC-Miomastic	10		2	0	0	Span 5. Hand Application (Brush and roller)
30/06/2017	Coast	Dry abrasive blasting	4	75			0	Span 7. Netting in place
30/06/2017	Coast	Dry abrasive blasting	13	255			0	Span 1. PP13
30/06/2017	Coast	Dry abrasive blasting	4	75			0	Span 2. Pin joints
30/06/2017	Coast	Dry abrasive blasting	23	450			0	Span 3.
5/06/2017	Coast	Waterblasting (>1000psi)	8				0	Span 2. Pin joints
5/06/2017	Coast	Waterblasting (>1000psi)	105				0	Span 5. Cross frames
4/06/2017	Coast	Waterblasting (>1000psi)	14				0	Pier 6. Bracket underside
30/05/2017	Coast	Painting: MC-Zinc	61		14	0	0	Span 5. Hand Application (Brush and roller)
30/05/2017	Coast	Painting: MC-Miomastic	38		8	0	0	Span 5. Hand Application (Brush and roller)
30/05/2017	Coast	Painting: MC-Ferrox	57		12	0	0	Span 7. Hand Application (Brush and roller)
30/05/2017	Coast	Painting: MC-Ferrox	43		9	0	0	Span 5. Hand Application (Brush and roller)
26/05/2017	Coast	Dry abrasive blasting	41	825			0	Span 5.
1/05/2017	Coast	Waterblasting (>1000psi)	105				0	Span 5. Cross frames
1/05/2017	Coast	Waterblasting (>1000psi)	8				0	Span 2. Pin joints
1/05/2017	Coast	Waterblasting (>1000psi)	28				0	Pier 6 (bracket)
28/04/2017	Coast	Painting: MC-Zinc	7		1.5	0	0	Span 2. Hand Application (Brush and roller)
28/04/2017	Coast	Dry abrasive blasting	60	45			0	Span 2. Pin Joints
28/04/2017	Coast	Dry abrasive blasting	4	75			0	Pier 6. Netting in place
28/04/2017	Coast	Painting: MC-Zinc	76		17.5	0	0	Span 5. Hand Application (Brush and roller)
28/04/2017	Coast	Painting: MC-Zinc	11		2.5	0	0	Pier 6. Spray Application. Bracket Underside. Netting in place
28/04/2017	Coast	Painting: MC-Miomastic	11		2.5	0	0	Span 2. Hand Application (Brush and roller)
28/04/2017	Coast	Painting: MC-Miomastic	95		17.5	0	0	Span 5. Hand Application (Brush and roller)
28/04/2017	Coast	Painting: MC-Miomastic	21		4.5	0	0	Pier 6. Hand Application (Brush and roller)
28/04/2017	Coast	Painting: MC-Ferrox	133		28	0	0	Span 5. Hand Application (Brush and roller)
28/04/2017	Coast	Painting: MC-Ferrox	19		4	0	0	Span 6. Hand Application (Brush and roller)
28/04/2017	Coast	Painting: MC-Ferrox	5		1	0	0	Pier 6. Hand Application (Brush and roller)
28/04/2017	Coast	Dry abrasive blasting	27	540			0	Span 5. No netting required
28/04/2017	Coast	Painting: MC-Ferrox	11		2.5	0	0	Span 2. Hand Application (Brush and roller)

Date	Location	Activity	Area (m2)	Garnet (kg)	Paint (L)	Overspray (%)	Containment (%)	Notes
3/04/2017	Coast	Waterblasting (>1000psi)	42				0	Pier 5 (bracket)
3/04/2017	Coast	Waterblasting (>1000psi)	140				0	Span 5. Cross frame
31/03/2017	Coast	Painting: MC-Miomastic	48		10	0	0	Span 5. Hand Application (Brush and roller)
31/03/2017	Coast	Dry abrasive blasting	3	60	0	0	0	Span 4.
31/03/2017	Coast	Dry abrasive blasting	13	255			0	Span 5.
31/03/2017	Coast	Painting: MC-Zinc	24		4.4	0	0	Span 4. Hand Application (Brush and roller)
31/03/2017	Coast	Painting: MC-Miomastic	19		4	0	0	Span 4. Hand Application (Brush and roller)
31/03/2017	Coast	Painting: MC-Ferrox	48		10	5	0	Pier 5. Spray Application. Airless. Netting in place
31/03/2017	Coast	Painting: MC-Ferrox	62		13		0	Span 5. Hand Application (Brush and roller)
31/03/2017	Coast	Painting: MC-Zinc	57		13	0	0	Span 5. Hand Application (Brush and roller)
3/03/2017	Coast	Waterblasting (>1000psi)	28				0	Pier 5 (Bracket)
3/03/2017	Coast	Waterblasting (>1000psi)	105				0	Span 4. Cross frames
28/02/2017	Coast	Painting: MC-Ferrox	12		2	5	0	Span 5. Pier bracket. Spray application. Airless. Netting in place
28/02/2017	Coast	Painting: MC-Ferrox	79		16.5	0	0	Span 4. Hand Application (Brush and roller)
28/02/2017	Coast	Painting: MC-Miomastic	10		2	0	0	Span 5. Hand Application (Brush and roller)
28/02/2017	Coast	Painting: MC-Miomastic	60		12.5	0	0	Span 4. Hand Application (Brush and roller)
28/02/2017	Coast	Painting: MC-Miomastic	5		1	0	0	Span 1. Hand Application (Brush and roller)
28/02/2017	Coast	Dry abrasive blasting	18	360			0	Span 4.
28/02/2017	Coast	Painting: MC-Zinc	63		14.5	0	0	Span 4. Hand Application (Brush and roller)
31/01/2017	Coast	Dry abrasive blasting	5	105			0	Span 5.

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