

Maintenance Discharge Consent Annual Report: Jan-Dec 2015

Consent numbers: REG/2014/2140175, REG/2014/2140176

Report Date: 29 January 2016

This report summarises compliance with the Auckland Harbour Bridge maintenance programme consents REG/2014/2140175 & REG/2014/2140176 for the year 2015.

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?
Particulate discharged to coast	5000	14679	Yes
Zinc discharged to coast	7.3	646	Yes
'Paint' discharged to coast	35.1	223	Yes

Compliance with air controls*

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

*Air discharge thresholds are met through compliance with buffer zones and wind speed and direction controls

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

Attachments

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

AHB Maintenance Works Log

1/01/2015 - 31/12/2015

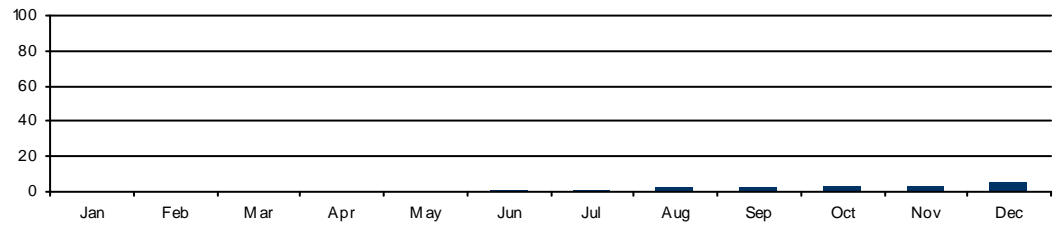
Date	Location	Activity	Area (m2)	Garnet (kg)	Paint (L)	Overspray (%)	Containment (%)	Notes
31/12/2015	Coast	Painting: MC-Miomastic	79		16.5	0	0	Roving team, hand application
31/12/2015	Coast	Painting: MC-Zinc	57		13	0	0	Roving team, hand application
31/12/2015	Coast	Painting: Termarust 2100	110.8		66.5	12	0	Span 6
31/12/2015	Coast	Dry abrasive blasting	16	465			0	Roving team
31/12/2015	Coast	Painting: MC-Ferrox	71		15	0	0	Roving team, hand application
30/11/2015	Coast	Dry abrasive blasting	12	345			0	Roving team
30/11/2015	Coast	Painting: MC-Ferrox	100		21	0	0	Roving team, hand application
30/11/2015	Coast	Painting: MC-Miomastic	21		4.5	0	0	Roving team, hand application
30/11/2015	Coast	Painting: MC-Zinc	39		9	0	0	Roving team, hand application
31/10/2015	Coast	Dry abrasive blasting	24	705			0	Roving team
31/10/2015	Coast	Painting: MC-Zinc	83		19	0	0	Roving team, hand application
31/10/2015	Coast	Painting: MC-Ferrox	29		6	0	0	Roving team, hand application
31/10/2015	Coast	Painting: MC-Miomastic	83		17.5	0	0	Roving team, hand application
30/09/2015	Coast	Painting: MC-Ferrox	46		219	0	0	Roving team, hand application
30/09/2015	Coast	Painting: MC-Miomastic	214		45	0	0	Roving team, hand application
30/09/2015	Coast	Painting: MC-Zinc	239		55	0	0	Roving team, hand application
30/09/2015	Coast	Dry abrasive blasting	38	1140			0	Roving team
31/08/2015	Coast	Dry abrasive blasting	19	570			0	Roving team
31/08/2015	Coast	Painting: MC-Ferrox	202		42.5	0	0	Roving team, hand application
31/08/2015	Coast	Painting: MC-Miomastic	143		30	0	0	Roving team, hand application
31/08/2015	Coast	Painting: MC-Zinc	87		20	0	0	Roving team, hand application
31/07/2015	Coast	Dry abrasive blasting	24	720			0	Roving team
31/07/2015	Coast	Painting: MC-Ferrox	10		2	0	0	Roving team, hand application
31/07/2015	Coast	Painting: MC-Ferrox	38		8	0	0	Span 5, hand application
31/07/2015	Coast	Painting: MC-Miomastic	33		7	0	0	Roving team, hand application
31/07/2015	Coast	Painting: MC-Zinc	83		19	0	0	Roving team, hand application
30/06/2015	Coast	Painting: MC-Miomastic	29		6	0	100	Parapet replacement (removed from bridge painted indoors)

Date	Location	Activity	Area (m2)	Garnet (kg)	Paint (L)	Overspray (%)	Containment (%)	Notes
30/06/2015	Coast	Dry abrasive blasting	1	30			0	Roving team
30/06/2015	Coast	Dry abrasive blasting	25	755			0	Span 5
30/06/2015	Coast	Waterblasting (>1000psi)	1688.07				0	Waterblasting from Dec14- Jun15
30/06/2015	Coast	Painting: MC-Zinc	22		5	0	0	Roving team, hand application
30/06/2015	Coast	Painting: MC-Miomastic	210		44	0	0	Span 5, hand application
30/06/2015	Coast	Painting: MC-Ferrox	48		10	0	100	Parapet replacement (removed from bridge painted indoors)
30/06/2015	Coast	Painting: MC-Ferrox	286		60	0	0	Span 5, hand application
30/06/2015	Coast	Painting: MC-Zinc	159		36.5	0	0	Span 5, hand application
31/05/2015	Coast	Dry abrasive blasting	3.5	105			100	Parapet replacement (removed from bridge blasted indoors)
31/05/2015	Coast	Dry abrasive blasting	3.5	105			0	Span 5
31/05/2015	Coast	Dry abrasive blasting	4.5	135			0	Roving team
31/05/2015	Coast	Painting: MC-Ferrox	48		10	0	0	Roving team, hand application
31/05/2015	Coast	Painting: MC-Zinc	13		3	0	0	Span 6, hand application
31/05/2015	Coast	Painting: MC-Ferrox	38		8	0	0	Span 5, hand application
31/05/2015	Coast	Painting: MC-Miomastic	38		8	0	0	Roving team, hand application
31/05/2015	Coast	Painting: MC-Miomastic	19		4	0	0	Span 5, hand application
31/05/2015	Coast	Painting: MC-Miomastic	29		6	0	100	Parapet replacement (removed from bridge painted indoors)
31/05/2015	Coast	Painting: MC-Miomastic	19		4	0	0	Span 6, hand application
31/05/2015	Coast	Painting: MC-Ferrox	38		8	0	0	Span 6, hand application
31/05/2015	Coast	Painting: MC-Zinc	22		5	0	0	Span 5, hand application
30/04/2015	Coast	Dry abrasive blasting	17	510			100	Parapet replacement (removed from bridge blasted indoors)
30/04/2015	Coast	Dry abrasive blasting	0.5	15			0	Roving team
30/04/2015	Coast	Dry abrasive blasting	0.5	15			0	Span 5
30/04/2015	Coast	Painting: MC-Miomastic	19		4	0	100	Parapet replacement (removed from bridge painted indoors)
30/04/2015	Coast	Painting: MC-Miomastic	19		4	0	0	Span 5, hand application
30/04/2015	Coast	Painting: MC-Miomastic	57		12	0	0	Roving team, hand application
30/04/2015	Coast	Painting: MC-Miomastic	24		5	0	0	Span 6, hand application
30/04/2015	Coast	Painting: MC-Ferrox	38		8	0	100	Parapet replacement (removed from bridge painted indoors)
30/04/2015	Coast	Painting: MC-Ferrox	29		6	0	0	Span 5, hand application
30/04/2015	Coast	Painting: MC-Ferrox	38		8	0	0	Span 6, hand application

Date	Location	Activity	Area (m2)	Garnet (kg)	Paint (L)	Overspray (%)	Containment (%)	Notes
31/03/2015	Coast	Painting: MC-Ferrox	19		4	0	0	Roving team, hand application
31/03/2015	Coast	Dry abrasive blasting	3.3	100			100	Parapet replacement (removed from bridge blasted indoors)
31/03/2015	Coast	Painting: MC-Miomastic	10		2	0	0	Span 6, hand application
28/02/2015	Coast	Painting: MC-Miomastic	10		2	0	0	Span 6, hand application
28/02/2015	Coast	Dry abrasive blasting	9	270			100	Parapet replacement (removed from bridge blasted indoors)
31/01/2015	Coast	Dry abrasive blasting	3.3	100			100	Parapet replacement (removed from bridge blasted indoors)
31/01/2015	Coast	Painting: MC-Miomastic	10		2	0	0	Span 5, hand application
31/01/2015	Coast	Painting: MC-Ferrox	19		4	0	0	Span 5, hand application
31/01/2015	Coast	Painting: MC-Zinc	22		5	0	0	Span 5, hand application

Paint

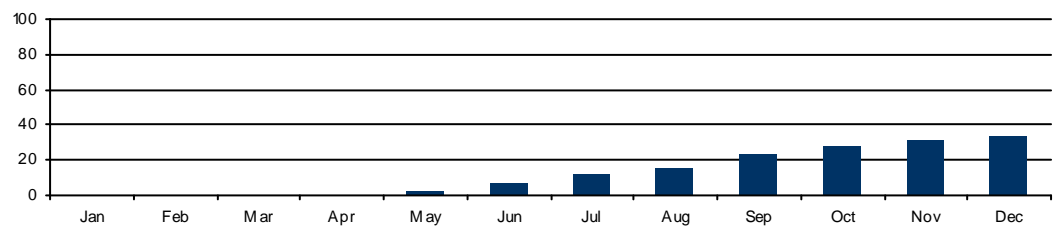
Total Mass Discharged (kg)	35.1
CoastalThreshold	646
Proportion Used	5
Proportion Remaining	95



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Mass discharge per month (kg)	0	0	0	0.2	1.2	4	3.7	2.9	5.9	3.7	1.9	11.6
Cumulative discharge (kg)	0	0	0	0.2	1.4	5.4	9.1	12	17.9	21.6	23.5	35.1

Particulate

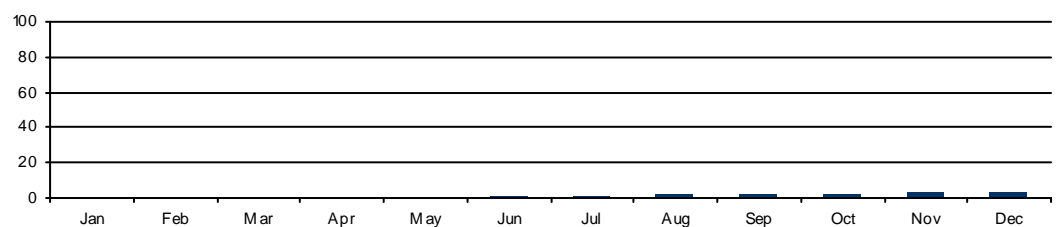
Total Mass Discharged (kg)	5000
CoastalThreshold	14679
Proportion Used	34
Proportion Remaining	66



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Mass discharge per month (kg)	0	0	0	30	240	785	720	570	1140	705	345	465
Cumulative discharge (kg)	0	0	0	30	270	1055	1775	2345	3485	4190	4535	5000

Zinc

Total Mass Discharged (kg)	7.3
CoastalThreshold	223
Proportion Used	3
Proportion Remaining	97



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Mass discharge per month (kg)	0	0	0	0	0.3	1.6	1	0.8	1.5	1	0.5	0.6
Cumulative discharge (kg)	0	0	0	0	0.3	1.9	2.9	3.7	5.2	6.2	6.7	7.3