

## Maintenance Discharge Consent Annual Report: Jan-Dec 2019

**Consent numbers:** REG/2014/2140175, REG/20142140176

**Report Date:** 05/02/2020

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This report summarises compliance with the Auckland Harbour Bridge maintenance programme consents REG/2014/2140175 & REG/20142140176 for the year 2019.

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	7175	14680	Yes
Zinc discharged to coast	22	223	Yes
'Paint' discharged to coast (inc. zinc)	85.5	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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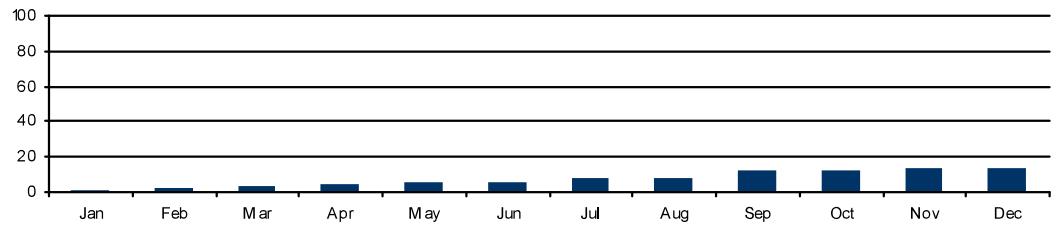
### Attachments

- A. Discharge Summary Report
- B. Maintenance works log

## 2019

### Paint

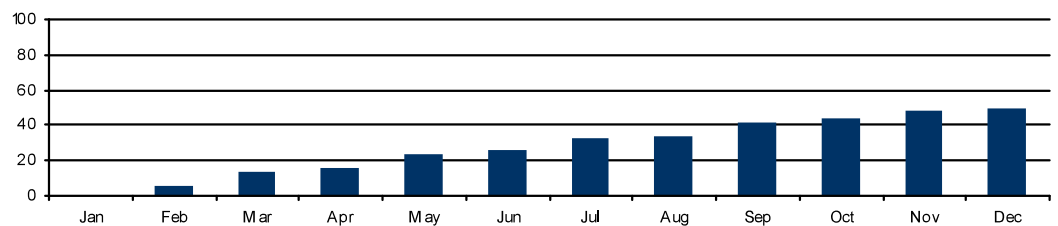
Total Mass Discharged (kg)	85.5
Coastal Threshold	646
Proportion Used	13
Proportion Remaining	87



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Mass discharge per month (kg)	4.7	11.4	9.1	3.3	8.4	2.2	8.4	1.3	28.2	2.3	5.6	0.6
Cumulative discharge (kg)	4.7	16.1	25.2	28.5	36.9	39.1	47.5	48.8	77	79.3	84.9	85.5

### Particulate

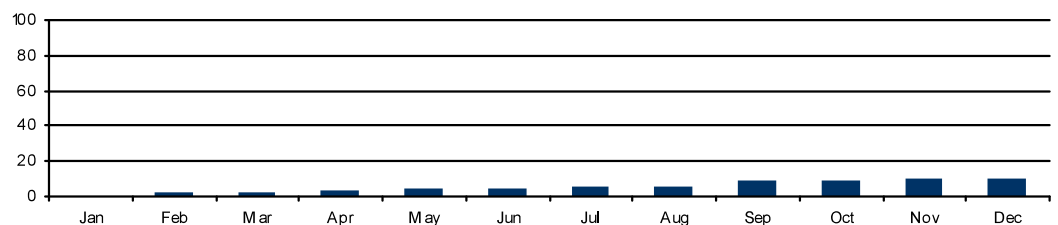
Total Mass Discharged (kg)	7175
Coastal Threshold	14679
Proportion Used	49
Proportion Remaining	51



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Mass discharge per month (kg)	0	750	1180	425	1085	270	1085	150	1165	265	725	75
Cumulative discharge (kg)	0	750	1930	2355	3440	3710	4795	4945	6110	6375	7100	7175

### Zinc

Total Mass Discharged (kg)	22
Coastal Threshold	223
Proportion Used	10
Proportion Remaining	90



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Mass discharge per month (kg)	1.1	2.8	2.4	0.8	2.2	0.6	2.2	0.4	7.3	0.6	1.4	0.2
Cumulative discharge (kg)	1.1	3.9	6.3	7.1	9.3	9.9	12.1	12.5	19.8	20.4	21.8	22

# AHB Maintenance Works Log

1/01/2019 - 31/12/2019

Date	Location	Activity	Area (m2)	Garnet (kg)	Paint (L)	Overspray (%)	Containment (%)	Notes
23/12/2019	Coast	Painting: MC-Miomastic	22	0	4	0	0	Brush/Roller application
23/12/2019	Coast	Painting: MC-Zinc	20	0	4.5	0	0	Brush/Roller application
23/12/2019	Coast	Dry abrasive blasting	4	75	0	0	0	Top of pier 1
23/12/2019	Coast	Painting: MC-Ferrox	29	0	6	0	0	Brush/Roller application
29/11/2019	Coast	Painting: MC-Ferrox	176	0	37	0	0	Brush/Roller application
29/11/2019	Coast	Painting: MC-Miomastic	90	0	19	0	0	Brush/Roller Application
29/11/2019	Coast	Painting: MC-Zinc	28	0	6.5	0	0	Overarch Works
29/11/2019	Coast	Dry abrasive blasting	36	725	0	0	0	Ovearch works
27/11/2019	Coast	Painting: MC-Zinc	76	0	4.5	0	0	Span 1 brush and roller application
31/10/2019	Coast	Painting: MC-Miomastic	2	0	0.5	0	0	Span 6 Brush and Roller application
31/10/2019	Coast	Dry abrasive blasting	12	235	0	0	0	Span 5 touch up's
31/10/2019	Coast	Painting: MC-Zinc	15	0	3.5	0	0	Span 5 Brush and roller application
31/10/2019	Coast	Painting: MC-Zinc	2	0	0.5	0	0	Span 6 Brush/Roller application
31/10/2019	Coast	Dry abrasive blasting	1.5	15	0	0	0	Span 6
31/10/2019	Coast	Painting: MC-Zinc	2	0	0.5	0	0	Span 7 Brush and Roller application
31/10/2019	Coast	Painting: MC-Miomastic	2	0	0.5	0	0	Span 7 Brush and Roller application
31/10/2019	Coast	Painting: MC-Ferrox	4	0	1	0	0	Span 6 Brush and roller application
31/10/2019	Coast	Painting: MC-Ferrox	4	0	1	0	0	Span 7 Brush and roller application
31/10/2019	Coast	Dry abrasive blasting	1.5	15	0	0	0	Span 7 Above walways (Netting in place)
30/09/2019	Land	Painting: MC-Ferrox	29	0	6	5	0	PP1-PP8. Above walkways. Screens in place
30/09/2019	Coast	Dry abrasive blasting	10	200	0	0	0	PP7-PP8 Above Walkways
30/09/2019	Coast	Painting: MC-Zinc	9	0	2	0	0	Brush/roller application. Above walkways PP7-PP8
30/09/2019	Land	Painting: MC-Miomastic	48	0	10	5	0	Above walkways. Spray application
27/09/2019	Coast	Painting: MC-Ferrox	229	0	48	5	0	Span 1 Spray Application (netting in place)
27/09/2019	Coast	Dry abrasive blasting	56	1125	0	0	0	Span 1 not over land netting use
27/09/2019	Coast	Dry abrasive blasting	124	0	17.5	0	0	Span 1 brush and roller application
27/09/2019	Coast	Painting: MC-Ferrox	80	0	16	5	0	Span 1 Spray application (netting in place)

Date	Location	Activity	Area (m2)	Garnet (kg)	Paint (L)	Overspray (%)	Containment (%)	Notes
27/09/2019	Coast	Painting: MC-Ferrox	50	0	10	0	0	Span 1 Brush and roller application
31/08/2019	Land	Painting: MC-Ferrox	29	0	6	5	0	Above Walkways. Sreen in place for Spray-painting
31/08/2019	Coast	Painting: MC-Zinc	9	0	2	5	0	Panel Point 7 (Netting in place)
31/08/2019	Coast	Dry abrasive blasting	8	150	0	0	0	Span 1 PP8
31/07/2019	Land	Painting: MC-Miomastic	48	0	10	5	0	Above Walkways. Screens in place for spraypainting
31/07/2019	Coast	Dry abrasive blasting	54	1085	0	0	0	Span 5
31/07/2019	Coast	Painting: MC-Zinc	65	0	15	0	0	Span 5 Brush/Roller application
31/07/2019	Coast	Painting: MC-Miomastic	43	0	9	0	0	Span 5 Brush/Roller application
28/06/2019	Coast	Dry abrasive blasting	3	60	0	0	0	Span 5
28/06/2019	Coast	Painting: MC-Ferrox	10	0	2	0	0	Span 5 Brush and roller Application
28/06/2019	Coast	Dry abrasive blasting	11	210	0	0	0	Span 3 bungy pod
28/06/2019	Coast	Painting: MC-Ferrox	38	0	8	0	0	Sapn 3 Bungy pod Brush/Roller Application
28/06/2019	Coast	Painting: MC-Zinc	4	0	1	0	0	Span 5 Brush/Roller application
28/06/2019	Coast	Painting: MC-Miomastic	29	0	6	0	0	Span 3 Bungy pod Brush/Roller application
28/06/2019	Coast	Painting: MC-Miomastic	29	0	6	0	0	Span 5 Brush/Roller Application
28/06/2019	Coast	Painting: MC-Zinc	26	0	6	0	0	Span 3 Bungy pod Brush/Roller application
31/05/2019	Coast	Painting: MC-Zinc	65	0	15	0	0	Span 5 Brush/Roller application
31/05/2019	Coast	Painting: MC-Miomastic	43	0	9	0	0	Span 5 Brush/Roller application
31/05/2019	Coast	Dry abrasive blasting	54	1085	0	0	0	Span 5 Abrasive Blasting
31/05/2019	Coast	Painting: MC-Ferrox	67	0	14	0	0	Span 5 Brush/Roller application
26/04/2019	Coast	Painting: MC-Miomastic	38	0	8	0	0	Over arch painting by brush and roller
26/04/2019	Coast	Painting: MC-Ferrox	12	0	2.5	0	0	Over arch painting by brush and roller
26/04/2019	Coast	Painting: MC-Zinc	30	0	7	0	0	Over arch painting by brush and roller
26/04/2019	Coast	Dry abrasive blasting	21	425	0	0	0	Over arch blasting no netting required
29/03/2019	Coast	Painting: MC-Zinc	10	0	2	0	0	Span 5-2 painting by brush and roller
29/03/2019	Coast	Dry abrasive blasting	5	105	0	0	0	Span 5 2 no netting required
29/03/2019	Coast	Painting: MC-Zinc	55	0	12.5	0	0	Over arch painting by brush and roller
29/03/2019	Coast	Dry abrasive blasting	54	1075	0	0	0	Over arch blasting diagonal and post
29/03/2019	Coast	Painting: MC-Miomastic	52	0	11.5	0	0	Over arch painting by brush and roller
29/03/2019	Coast	Painting: MC-Ferrox	52	0	11	0	0	Over arch painting by brush and roller

Date	Location	Activity	Area (m2)	Garnet (kg)	Paint (L)	Overspray (%)	Containment (%)	Notes
29/03/2019	Coast	Painting: MC-Miomastic	10	0	2	0	0	Span 5-2 painting by brush and roller
26/03/2019	Coast	Painting: MC-Zinc	30	0	7	0	0	Over arch painting by brush and roller
28/02/2019	Coast	Painting: MC-Ferrox	81	0	20	10	0	Span 5. Spray-painting
28/02/2019	Coast	Painting: MC-Miomastic	76	0	16	10	0	Span 5 Spray-painting
28/02/2019	Coast	Painting: MC-Zinc	52	0	12	0	0	Span 5. Brush Painting
28/02/2019	Coast	Dry abrasive blasting	30	750	0	0	0	Span 5
31/01/2019	Coast	Painting: MC-Miomastic	52	0	11	10	0	Spray painting over arch area no netting required
31/01/2019	Land	Painting: MC-Ferrox	57	0	12	10	100	Spray painting inside booth (Southern Compound)
31/01/2019	Coast	Painting: MC-Ferrox	67	0	14	10	0	Spray painting overarch