Consent Compliance Summary

Prepared for

AFFCO New Zealand Limited

Prepared by



October 2016





Consent Compliance Summary

AFFCO New Zealand Limited

This report has been prepared for AFFCO New Zealand Limited by Lowe Environmental Impact (LEI). No liability is accepted by this company or any employee or sub-consultant of this company with respect to its use by any other parties.

Quality Assurance Statement			
Task	Responsibility	Signature	
Project Manager:	Hamish Lowe		
Prepared by:	Peter Hill		
Reviewed by:	Hamish Lowe		
Approved for Issue by: Hamish Lowe			
Status:	Final		

Prepared by:

Lowe Environmental Impact

P O Box 4467

Palmerston North 4442

Ref: RE-10146-ANZ-Compliance_Summary-

161025.docx

Job No.: 10146

| T | [+64] 6 359 3099

| E | <u>office@lei.co.nz</u> | W| www.lei.co.nz Date: October 2016

Revision Status			
Version	Date	Author	What Changed and Why
2	10/08/2016	PH	June 2016 audit added
1	08/07/2016	PH	Initial draft



TABLE OF CONTENTS

1	EXECUTIVE SUMMARY	1
2	INTRODUCTION	2
2.1	Purpose	2
2.2	Background	2
2.3	Scope	2
3	CONSENT 4219	3
3.1	General	3
3.2	Consent Compliance Record	3
3.3	Discussion	4
4	CONSENT 4220	6
4.1	General	6
4.2	Consent Compliance Record	6
4.3	Discussion	7
5	CONSENT 4223	8
5.1	General	8
5.2	Consent Compliance Record	8
5.3	Discussion	9
6	CONSENT 6191	11
6.1	General	11
6.2	Consent Compliance Record	11
6.3	Discussion	11
7	CONSENT 4226	12
7.1	General	12
7.2	Consent Compliance Record	12
7.3	Discussion	13



8	ONGOING MONITORING AND COMPLIANCE PROGRAM	15
8.1	General	15
8.2	Monitoring and Compliance Program	15
8.3	Report for April 2016	15
8.4	Discussion	19
9	CONCLUSIONS	20
10	REFERENCES	21
11	APPENDICES	22



1 EXECUTIVE SUMMARY

AFFCO New Zealand Limited ("ANZ") operates an export meat processing plant near Feilding. Several activities at ANZ require to be authorised by resource consents granted by Horizons Regional Council ("HRC"). Some of these activities were re-consented in 2010/2011, but five activities have consent applications currently being processed and awaiting determination. These five activities are as follows:

- Condenser and defrost discharge to water;
- Backwash and blowdown discharge to water;
- Wastewater discharge to water;
- Pond seepage; and
- Wastewater discharge to land.

ANZ has tasked Lowe Environmental Impact ("LEI") to prepare a brief summary of its recent compliance record for the 5 consents that, while expired, remain lawful with replacement consents having been lodged within the necessary timeframe to allow for continued operation of the activities involved.

HRC's formal compliance reports for the 5 discharge consents involved, for the period between 3 March 2011 and 7 June 2016, have been tabulated and their findings briefly analysed. With the exception of an episode in December 2012 that involved a discharge of treated wastewater to the Oroua River in breach of consent conditions, all other consent conditions were either found to be compliant with consent conditions or were not assessed.

An example is provided of the monthly consent compliance monitoring and reporting that ANZ undertakes, to demonstrate whether and to what extent compliance is being achieved.

In conclusion, this report demonstrates the manner in which ANZ compliance with Horizons consents has been managed over the last 5 years, and that with the exception of the December 2012 episode, consent condition compliance has been achieved where it has been assessed.



2 INTRODUCTION

2.1 Purpose

This report is for the purpose of summarising the compliance of AFFCO New Zealand Limited's Manawatu plant's compliance with resource consent conditions over recent years.

2.2 Background

AFFCO New Zealand's ("ANZ") Manawatu plant at Feilding has a number of activities which are authorised by resource consents granted by Horizons Regional Council ("HRC"). Eleven such consents expired in May 2011, with some new applications (for previously unconsented activities) and applications to re-consent the activities involved all lodged in time to enable those activities to continue under the expired consent conditions until such time as the respective consent applications were determined. Between 2010 and mid-2011, ten of the consents that had been applied for had been granted. Those that had not been granted were to authorise the following activities:

- Condenser and defrost discharge to water;
- Backwash and blowdown discharge to water;
- Wastewater discharge to water;
- Pond seepage; and
- Wastewater discharge to land.

Of these five activities, the Condenser and Backwash discharges had s92 requests for further information that were responded to some years ago, but further processing of those applications by HRC was held over to be considered with the other three applications, because of the possibility of cumulative effects of the combined activities on water quality in the Oroua River.

Since 2011, revised applications with supporting information were lodged for the two wastewater discharges and the pond seepage, and these have been notified, submissions received, and a pre-hearing meeting held. In order to provide a structured response to a possible question at the pending hearing, this report is to describe the record of compliance with the existing consents that are to be replaced by those now under application.

2.3 Scope

This report is to assess compliance with current consent conditions, summarising the findings of compliance inspection reports prepared by Horizons Regional Council since 2011. This report lists whether or not compliance was found to be achieved, against each respective consent.

The report also provides an example of the consent monitoring and compliance reporting received monthly by ANZ's Plant Manager, as a demonstration of the extent to which "self-monitoring" is being undertaken to ensure that consent requirements are met on a continuing and ongoing basis.



3.1 General

This consent authorises the discharge of treated wastewater from the ANZ wastewater treatment plant ("WWTP") to the Oroua River.

3.2 Consent Compliance Record

Since 2011 the compliance of the operation authorised by this consent has been recorded by HRC, following site inspections, as shown in Table 3.1 below.

Table 3.1: Compliance with Consent Conditions: Wastewater discharge to river

Condition	Detail	Date	Compliance
No	Diadrama (Issuesta	2 May als 2011	V
1	Discharge flow rate	3 March 2011	Yes
		14 February 2012	Yes
		12 December 2012	Significant non-comply
		30 April 2013	Yes
		4 June 2014	Yes
		23 January 2015	Yes
		7 June 2016	Yes
2	Pay fees	-	Not assessed
3	Defines mixing zone	-	Not assessed
4	Receiving water quality limits	3 March 2011	Yes
	(s107, colour, odour, ammonia,	14 February 2012	Yes
	BOD)	12 December 2012	Yes
		30 April 2013	Yes, and not ass'ed
		4 June 2014	Yes, and not ass'ed
		23 January 2015	Yes, and not ass'ed
		7 June 2016	Yes, and not ass'ed
5	Receiving water quality limits	3 March 2011	Yes
	(receiving water clarity and slime	14 February 2012	Yes
	growths)	12 December 2012	Not assessed
		30 April 2013	Yes, and not ass'ed
		4 June 2014	Yes
		23 January 2015	Yes, and not ass'ed
		7 June 2016	Yes
6	Receiving water quality limits	3 March 2011	Yes
	(POM, enterococci)	14 February 2012	Not assessed
		12 December 2012	Yes
		30 April 2013	Not assessed
		4 June 2014	Yes
		23 January 2015	Yes, and not ass'ed
		7 June 2016	Yes, and not ass'ed
7	Receiving water quality limits	3 March 2011	Yes
	(periphyton, DRP)	14 February 2012	Not assessed
		12 December 2012	Biomass comply; DRP
			significant non comply
		30 April 2013	Not assessed



		4 June 2014	Yes, and not ass'ed
		23 January 2015	Yes, and not ass'ed
		7 June 2016	Yes, and not ass'ed
8	No human waste	3 March 2011	Yes
		14 February 2012	Yes
		12 December 2012	Not assessed
		30 April 2013	Yes
		4 June 2014	Yes
		23 January 2015	Not assessed
		7 June 2016	Yes
9	No outfall erosion	3 March 2011	Not assessed
		14 February 2012	Yes
		12 December 2012	Not assessed
		30 April 2013	Yes
		4 June 2014	Yes
		23 January 2015	Not assessed
		7 June 2016	Yes
10	No change to discharge contents	3 March 2011	Yes
		14 February 2012	Yes
		12 December 2012	Not assessed
		30 April 2013	Not assessed
		4 June 2014	Not assessed
		23 January 2015	Not assessed
		7 June 2016	Yes
11	Notify Horizons of breaches	3 March 2011	Yes
		14 February 2012	Not assessed
		12 December 2012	Significant non comply
		30 April 2013	Not assessed
		4 June 2014	Not assessed
		23 January 2015	Not assessed
		7 June 2016	Not assessed

The inspection of compliance for the discharge of treated wastewater to the Oroua River that took place on 12 December 2012 found a significant non-compliance, in that wastewater was being discharged to the river when river flow was less than a limit below which such a discharge was not authorised, in breach of Condition 1. Further, the dissolved reactive phosphorus (DRP) concentration in the receiving water exceeded specified limits as a result of this discharge, in breach of Condition 7. Further, ANZ omitted to notify Horizons of the breach of consent conditions, in breach of Condition 11.

This single episode arose as a result of the ANZ wastewater treatment ponds being full, in turn as a result of insufficient wastewater having been irrigated to land in the weeks leading up to the episode.

ANZ was prosecuted by Horizons for this episode, which spoilt an otherwise clear record of compliance with consent conditions.

ANZ has improved certain operating procedures as a result of this episode. Horizons has checked compliance, and particularly that relating to effects of the discharge on receiving



waters, regularly since that time, and since that episode every specified detail that has been checked has been found to be compliant with consent requirements.



4.1 General

This consent authorises the discharge of condenser water and roof stormwater from the ANZ plant to the Oroua River.

4.2 Consent Compliance Record

Since 2011 the compliance of the operation authorised by this consent has been recorded by HRC, following site inspections, as shown in Table 4.1 below.

Table 4.1: Compliance with Consent Conditions: Condenser and stormwater

discharge

Condition	Detail	Date	Compliance
1	Discharge flow rate	3 March 2011	Yes
	_	14 February 2012	Yes
		12 December 2012	Not assessed
		30 April 2013	Not assessed
		4 June 2014	Yes
		23 January 2015	Yes
		7 June 2016	Yes
2	Pay fees	-	Not assessed
3	Defines mixing zone	-	Not assessed
4	Receiving water quality limits	3 March 2011	Not assessed
	(s107, colour, odour, ammonia,	14 February 2012	Yes
	BOD)	12 December 2012	Not assessed
		30 April 2013	Not assessed
		4 June 2014	Yes, and not ass'ed
		23 January 2015	Yes, and not ass'ed
		7 June 2016	Yes
5	Receiving water quality limits	3 March 2011	Not assessed
		14 February 2012	Yes
	slime growths)	12 December 2012	Not assessed
		30 April 2013	Not assessed
		4 June 2014	Yes
		23 January 2015	Not assessed
		7 June 2016	Yes
6	Receiving water quality limits	3 March 2011	Yes
	(POM, enterococci)	14 February 2012	Not assessed
		12 December 2012	Not assessed
		30 April 2013	Not assessed
		4 June 2014	Yes
		23 January 2015	Not assessed
		7 June 2016	Yes
7	Receiving water quality limits	3 March 2011	Yes
	(periphyton, DRP)	14 February 2012	Not assessed
		12 December 2012	Not assessed
		30 April 2013	Not assessed



		4 June 2014	Yes, and not ass'ed
		23 January 2015	Not assessed
		7 June 2016	Yes
8	Management plan	3 March 2011	Yes
		14 February 2012	Yes
		12 December 2012	Not assessed
		30 April 2013	Not assessed
		4 June 2014	Yes
		23 January 2015	Not assessed
		7 June 2016	Yes
9	Stormwater valve	3 March 2011	Not assessed
		14 February 2012	Not assessed
		12 December 2012	Not assessed
		30 April 2013	Not assessed
		4 June 2014	Yes
		23 January 2015	Not assessed
		7 June 2016	Yes
10	No bank erosion	3 March 2011	Not assessed
		14 February 2012	Yes
		12 December 2012	Not assessed
		30 April 2013	Not assessed
		4 June 2014	Yes
		23 January 2015	Not assessed
		7 June 2016	Yes
11	Notify Horizons of breaches	3 March 2011	Yes
		14 February 2012	Not assessed
		12 December 2012	Not assessed
		30 April 2013	Not assessed
		4 June 2014	Not assessed
		23 January 2015	Not assessed
		7 June 2016	Not assessed

Compliance with this consent can be seen in Table 4.1 above to have been achieved on each occasion that it was assessed by Horizons compliance staff. Not every condition has been assessed on every inspection, for a variety of reasons including that the discharge was not operative at the times of some of the inspections.

Nevertheless, during the 7 opportunities between 6 March 2011 and 7 June 2016 when compliance inspections were undertaken, **no** case of non-compliance has been detected.



5.1 General

This consent authorises the discharge of Backwash and Blowdown water from the ANZ plant to the Oroua River.

5.2 Consent Compliance Record

Since 2011 the compliance of the operation authorised by this consent has been recorded by HRC, following site inspections, as shown in Table 5.1 below.

Table 5.1: Compliance with Consent Conditions: Backwash and Blowdown

Condition No	Detail Detail	Date	Compliance
1	Discharge flow rate	3 March 2011	Yes
		14 February 2012	Not assessed
		12 December 2012	Not assessed
		30 April 2013	Not assessed
		4 June 2014	Yes
		23 January 2015	Not assessed
		7 June 2016	Yes
2	Pay fees	-	Not assessed
3	Defines mixing zone	-	Not assessed
4	Receiving water quality limits	3 March 2011	Yes
	(s107, colour, odour, ammonia,	14 February 2012	Not assessed
	BOD)	12 December 2012	Not assessed
		30 April 2013	Not assessed
		4 June 2014	Yes, and not ass'ed
		23 January 2015	Not assessed
		7 June 216	Yes
5	Receiving water quality limits	3 March 2011	Yes
	(receiving water clarity and	14 February 2012	Not assessed
	slime growths)	12 December 2012	Not assessed
		30 April 2013	Not assessed
		4 June 2014	Yes
		23 January 2015	Not assessed
		7 June 2016	Yes
6	Receiving water quality limits	3 March 2011	Yes
	(POM, enterococci)	14 February 2012	Not assessed
		12 December 2012	Not assessed
		30 April 2013	Not assessed
		4 June 2014	Yes
		23 January 2015	Not assessed
		7 June 2016	Yes
7	Receiving water quality limits	3 March 2011	Yes
	(periphyton, DRP)	14 February 2012	Not assessed
		12 December 2012	Not assessed
		30 April 2013	Not assessed
		4 June 2014	Yes, and not ass'ed



		23 January 2015	Not assessed
		7 June 2016	Yes
8	Management plan	3 March 2011	Yes
		14 February 2012	Not assessed
		12 December 2012	Not assessed
		30 April 2013	Not assessed
		4 June 2014	Yes
		23 January 2015	Not assessed
		7 June 2016	Not assessed
9	Stormwater valve	3 March 2011	Not assessed
		14 February 2012	Not assessed
		12 December 2012	Not assessed
		30 April 2013	Not assessed
		4 June 2014	Yes
		23 January 2015	Not assessed
		7 June 2016	Yes
10	Settling pond	3 March 2011	Yes
		14 February 2012	Not assessed
		12 December 2012	Not assessed
		30 April 2013	Not assessed
		4 June 2014	Yes
		23 January 2015	Not assessed
		7 June 2016	Yes
11	No bank erosion	3 March 2011	Not assessed
		14 February 2012	Not assessed
		12 December 2012	Not assessed
		30 April 2013	Not assessed
		4 June 2014	Yes
		23 January 2015	Not assessed
		7 June 2016	Yes
12	Notify Horizons of breaches	3 March 2011	Yes
	,	14 February 2012	Not assessed
		12 December 2012	Not assessed
		30 April 2013	Not assessed
		4 June 2014	Not assessed
		23 January 2015	Not assessed
		7 June 2016	Not assessed
	ı	I	I

Compliance with this consent can be seen in Table 5.1 above to have been achieved on each occasion that it was assessed by Horizons compliance staff. Not every condition has been assessed on every inspection, for a variety of reasons including that the discharge was not operative at the times of some of the inspections.

Nevertheless, during the 7 opportunities between 6 March 2011 and 7 June 2016 when compliance inspections were undertaken, **no** case of non-compliance has been detected.





6.1 General

This consent authorises the discharge of processing effluent to ground soakage through the ANZ effluent ponds.

6.2 Consent Compliance Record

Since 2011 the compliance of the operation authorised by this consent has been recorded by HRC on only one occasion, being 14 February 2012, with details as shown in Table 6.1 below.

Table 6.1: Compliance with Consent Conditions: Pond seepage

Condition No	Detail	Date	Compliance
1	Discharge into ground by	3 March 2011	Not assessed
	seepage from anaerobic, aerobic	14 February 2012	Yes
	and solids ponds are authorised.	12 December 2012	Not assessed
		30 April 2013	Not assessed
		4 June 2014	Not assessed
		23 January 2015	Not assessed
		7 June 2016	Not assessed

6.3 Discussion

The terms and conditions of this consent are such that there are no specified requirements for ongoing measurement, and accordingly compliance is achieved simply by virtue of an unspecified rate of seepage being presumed to take place. This was the case on the single occasion in 2012 when compliance was assessed by Horizons' compliance staff.



7.1 General

This consent authorises the discharge of treated effluent to land.

7.2 Consent Compliance Record

Since 2011 the compliance of the operation authorised by this consent has been recorded by HRC on only two occasions, being 23 January 2015 and 7 June 2016, with details as shown in Table 7.1 below.

Table 5.1: Compliance with Consent Conditions: Backwash and Blowdown

Condition No	Detail Detail	Date	Compliance
1	Land area and daily volume	3 March 2011	Not assessed
	limits	14 February 2012	Not assessed
		12 December 2012	Not assessed
		30 April 2013	Not assessed
		4 June 2014	Not assessed
		23 January 2015	Yes
		7 June 2016	Yes
3	Irrigation area map	3 March 2011	Not assessed
		14 February 2012	Not assessed
		12 December 2012	Not assessed
		30 April 2013	Not assessed
		4 June 2014	Not assessed
		23 January 2016	Not assessed
		7 June 2016	Yes
4a(i)	Keep an irrigation register of	3 March 2011	Not assessed
()	specified details.	14 February 2012	Not assessed
	•	12 December 2012	Not assessed
		30 April 2013	Not assessed
		4 June 2014	Not assessed
		23 January 2015	Yes
		7 June 2016	Yes
4a(ii)	Provide irrigation register	3 March 2011	Not assessed
()	monthly to Horizons.	14 February 2012	Not assessed
	•	12 December 2012	Not assessed
		30 April 2013	Not assessed
		4 June 2014	Not assessed
		23 January 2015	Not assessed
		7 June 2016	Yes
4b	Effluent and groundwater	3 March 2011	Not assessed
	quality monitoring; SAR; report		Not assessed
		12 December 2012	Not assessed
	monitoring.	30 April 2013	Not assessed
		4 June 2014	Not assessed
		23 January 2015	Yes
		7 June 2016	Yes



5	Nitrogen application rate limit.	3 March 2011	Not assessed
		14 February 2012	Not assessed
		12 December 2012	Not assessed
		30 April 2013	Not assessed
		4 June 2014	Not assessed
		23 January 2015	Yes
		7 June 2016	Yes
6	Size of irrigation blocks		Not assessed
7	Hydraulic application rate limit	3 March 2011	Not assessed
		14 February 2012	Not assessed
		12 December 202	Not assessed
		30 April 2013	Not assessed
		4 June 2014	Not assessed
		23 January 2015	Not assessed
		7 June 2016	Yes
8, 9, 10	Rainfall, buffers, and traffic		Not assessed

On the two occasions since 3 March 2011 that compliance with this consent has been assessed, ANZ's records of monitoring results showed that every specified requirement was being met. No instances of non-compliance were detected.





8 ONGOING MONITORING AND COMPLIANCE PROGRAM

8.1 General

This section of this report is to demonstrate the monitoring and reporting commissioned by ANZ, by providing an example of the reporting received monthly by ANZ's Plant Manager.

8.2 Monitoring and Compliance Program

ANZ retains the services of Albert van Oostrom & Associates, waste minimisation and treatment specialists of Hamilton, to manage the monthly gathering and reporting of compliance data. This data relates to all the consents that authorise the ANZ operation, and not just those that are due for renewal.

8.3 Report for April 2016

Copied below is the compliance report for the month of April 2016, as provided to the ANZ Plant Manager on 13 May 2016.

"Details are given in the monitoring spreadsheet ...

The spreadsheet file contains a new worksheet for the monitoring data associated with the reservoir discharge.

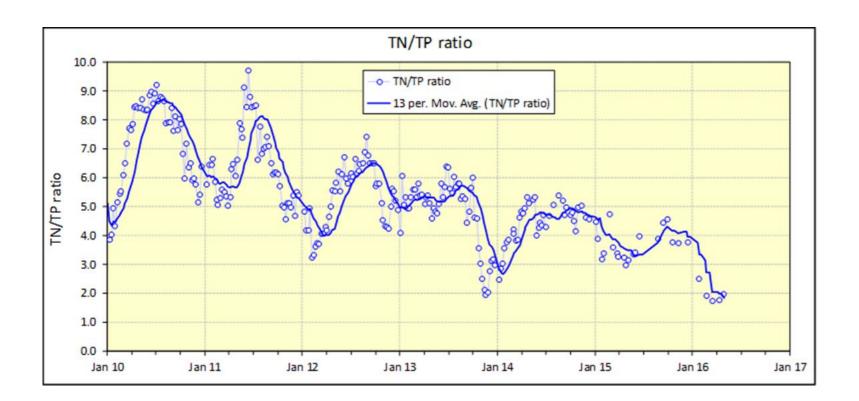
I've verified that the irrigation flow volumes (estimated from irrigation duration and flow rate) agree reasonably well with irrigation flowmeter totaliser volumes.

The minor consent exceedance for the river water take occurred on 15 April for one hour.

Some interesting observations:

- The total volume of wastewater discharged to land and river for the 12 months to 2 April 2016 was 328,000 m³ or 2.5 m³/head. This volume per head is exactly the volume used in the modelling work for the discharge consents although kill numbers are higher than had been anticipated.
- The TN/TP ratio in the final effluent has declined significantly in recent years, despite the increase in kill numbers. As TP is not significantly removed by the treatment process, the reduction in TN/TP ratio suggests an improvement in nitrogen removal probably due to the WWTP modifications and increased aeration capacity. The trend may also partly reflect an increase in the proportion of cows processed and an associated increase in P-rich paunch contents."







AFFCO Manay	vatu Consent Compliance Summa	ry				April 2016
Parameter	Limit Type	Limit	Units	Result	Complied	Comment
Bore Water Take	(RC 106205)					
Volume	Maximum daily volume	4,800	m³	4,129	Yes	
volume	Maximum annual volume (last 12 months)	1,752,000	m³	1,310,502	Yes	
River Water Take	(RC 105670)					
Volume	Max. daily volume (River >1030 L/s)	6,819	m³	6,488	Yes	
Rate	Maximum rate (River >1030 L/s)	80	L/s	81	No	
Volume	Max. daily volume (River ≤1030 L/s)	1,350	m³	0	Yes	
Rate	Maximum rate (River ≤1030 L/s)	21	L/s	0.0	Yes	
Condenser Water	r, Defrost Water & Stormwater Discharge (RC 4220)				
Condenser volume	Maximum daily volume	4,800	m³	3,893	Yes	
Defrost volume	Maximum daily volume	300	m³	-	-	No data
Stormwater						
volume	Maximum daily volume	3,300		-	-	No data
Water Treatment	Backwash, Blowdown & Stormwater Disch	narge (RC 4	1223)			
Backwash volume	Maximum daily volume	120	m³	-	-	No data
Blowdown volume	Maximum daily volume	10	m³	-	-	No data
Stormwater						
volume	Maximum daily volume	1,365	m ³	-	-	No data
	je to Land (RC 4226)					
Volume	Maximum daily volume	2,000	m³	1,458	Yes	
Rate	Maximum rate	100	m³/h	58	Yes	
Nitrogen load	Maximum annual N application rate	400	kg/ha	223	Yes	Highest loading rate for a block for current process date
Final Effluent Dis	charge (RC 4219)					
	Max. daily vol. (31 Mar-1 Dec, >4000 L/s)	2,000	m³	0	Yes	
Volume	Max. daily vol. (31 Mar-1 Dec, 3000-4000 L/s)	1,000	m³	0	Yes	



	Max. daily vol. (31 Mar-1 Dec, <3000 L/s)	0	m³	0	Yes	
	Max. daily vol. (2 Dec-30 Mar, >20913 L/s)	2000	m³	0	Yes	
	Max. daily vol. (2 Dec-30 Mar, ≤20913 L/s)	0	m³	0	Yes	
Oroua River Dov	wnstream (RC 4219) (calculated maximum d	lownstrear	n concent	ration increas	se)	
Ammoniacal N	Max. conc. due to discharge (River >15°C)	0.8	g/m³	0.000	Yes	
Ammoniacal N	Max. conc. due to discharge (River ≤15°C)	1.1	g/m³	0.000	Yes	
cBOD ₅	Max. conc. due to discharge	2.0	g/m³	0.000	Yes	
POM (TSS)	Max. conc. due to discharge (River <3485 L/s)	5	g/m³	0.000	Yes	River flow >3485 L/s. TSS used as an estimate of P
Enterococci	Max. conc. due to dis. (1 Nov-1 May, <3485 L/s)	107		0.000	Yes	River flow >3485 L/s. Outside 1 Nov-1 May.
DRP	Max. conc. due to discharge (River <3485 L/s)	0.015	g/m³	0.000	Yes	River flow >3485 L/s
Human Wastew	ater Discharge (RC 105671)					
Volume	Maximum daily volume	16	m³	-	-	No data

- It can be noted from the report above that as well as tables of numbers, advice is given on system management implications and data trends.
- It can be seen from the TN/TP ratio graph that there are a great number of data points between January 2010 and April 2016, and these provide a much more reliable indication of the extent of variability than would be possible with only one or two sample analyses per year.
- The consent compliance summary table lays out the actual measurements against the specific consent condition limits, to clearly demonstrate whether and to what extent compliance is being achieved.

9 CONCLUSIONS

This report has considered the record of compliance by ANZ with the conditions of the 5 consents that are currently under application for renewal. It has been compiled from Horizons' compliance reports.

It can be seen that in the period between 3 March 2011 and 7 June 2016, with the exception of a single episode in December 2012, each condition of each consent was found either to be in compliance with consent requirements, or was not assessed.

The December 2012 episode involved a discharge of treated wastewater to the Oroua River in circumstances that breached consent conditions, and ANZ was prosecuted by Horizons for this episode. The discharge to the river occurred because the treatment ponds were full, in turn because inadequate wastewater had been irrigated to land in the weeks leading up to that episode. Systems have been revised to prevent any recurrence of this episode.

An example of ANZ's internal monthly consent compliance reporting is included in this report, to demonstrate the type of data collected and the clarity of its comparison with consent condition limits.

In conclusion, this report demonstrates the manner in which ANZ compliance with Horizons consents has been managed over the last 5 years, and that with the exception of the December 2012 episode, consent condition compliance has been achieved where it has been assessed.

10REFERENCES	
---------------------	--

None cited.

11APPENDICES	5
--------------	---

No appendices.

