HAWKE'S BAY REGIONAL COUNCIL

HAWKE'S BAY
REGIONAL COUNCIL

SAFEGUARDING YOUR ENVIRONMENT + KAITIAKI TUKU IHO

Change 3 – Regional Resource Management Plan

Variation 3 – Regional Coastal Environment Plan

On-site wastewater Council Decisions

Date Notified: 13 July 2011
Date decisions Issued: 6 June 2012

HBRC Plan No: 4336
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SAFEGUARDING YOUR ENVIRONMENT + KAITIAKI TUKU IHO

Change 3:
Regional Resource Management Plan
- On-site wastewater

Variation 3:
proposed Regional Coastal Environment Plan
- On-site wastewater

Council Decisions (by Decision Number) issued 6 June 2012

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Change 3 and Variation 3 as amended by Council Decisions

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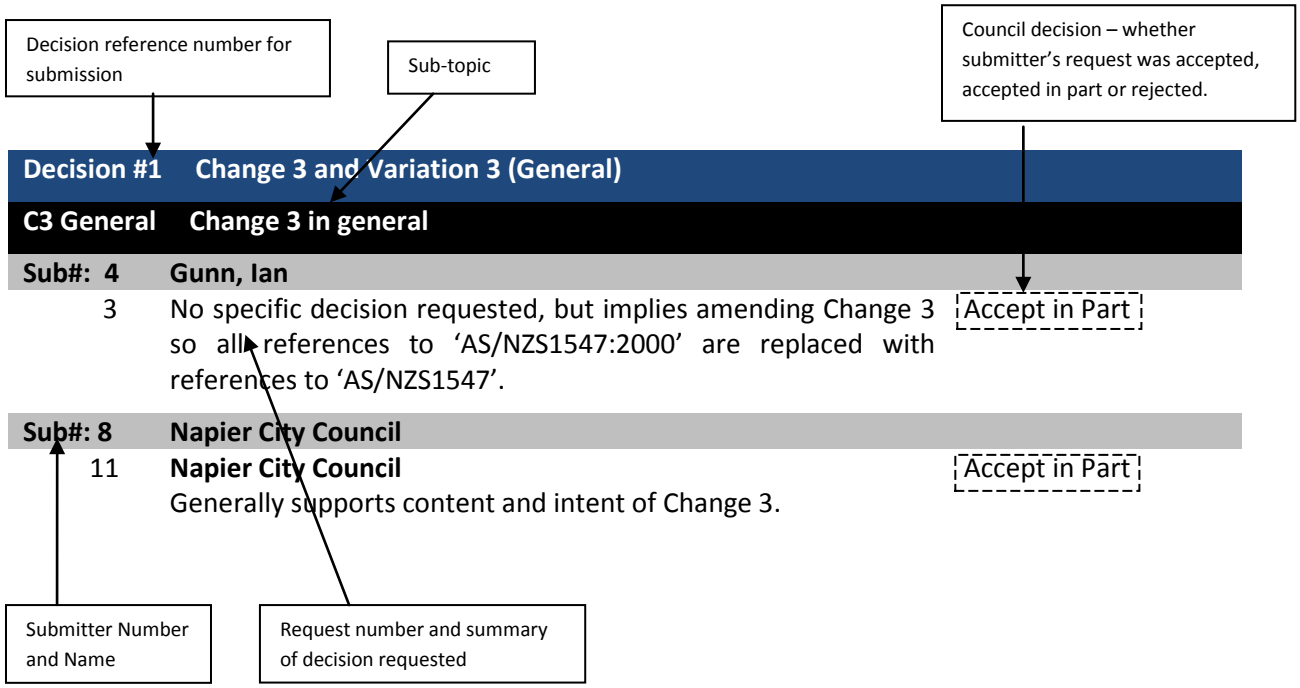
PART 1 - Decision Interpretation Guide

This document contains the Hawke's Bay Regional Council's Decisions on submissions to Change 3 and Variation 3: On-site wastewater. Council's decisions are generally 'grouped' according to common themes (or 'topics').

Each 'group' of decisions is presented using the headings below. Part 2 sets out the decisions on submissions (by decision number). Appendix 1 sets out Change 3 and Variation 3 as amended by Council's decisions. The layout of decisions in Part 2 is summarised below:



The above will be followed by a listing of submissions and relevant parts of submissions that have been accepted, accepted in part or rejected. Reasons for the decision are also stated.

Decisions *A summary of the outcomes arising from accepting, accepting in part or rejecting submissions. Here, actions may refer to Appendix 1 and state that provisions in Change 3 and/or Variation 3 are retained, deleted or amended. When referring to Appendix 1 provisions that are deleted or added by Council's decisions are indicated by blue underlined or ~~strikeout~~ text.*

NOTE: Black text which is underlined or ~~strikeout~~ formed part of Change 3 or Variation 3 as notified on 13 July 2011, it has not been amended further as a consequence of Council's Decisions.

The Council's decisions specifying whether individual submissions be accepted, accepted in part or rejected. Submission reference numbers appear as Submitter Number (e.g. 4) followed by Statement Number (e.g. 3) so using the first example on the following page, the submission would be referred to 4/3.

Reasons *The principal reasons given by the Council for its decisions to accept, accept in part or reject submissions.*

Decisions on submissions

Rivermouth hazard areas and on-site wastewater rules
Clause 10 of Schedule 1, Resource Management Act 1991

Hawke's Bay Regional Council gives public notice that it has made decisions on submissions on the following proposals amending regional planning documents:

- 'Variation 1' relating to the removal and reintroduction of Rivermouth Hazard Areas as part of Coastal Hazard Zone 1 in the proposed Regional Coastal Environment Plan;
- 'Variation 3' relating to amendments to regional rules for on-site wastewater in the proposed Regional Coastal Environment Plan; and
- 'Change 3' relating to amendments to regional rules for on-site wastewater in the Regional Resource Management Plan.

The regional plans are deemed to be amended in accordance with Council's decisions from 6 June 2012.

Decisions on Variation 1, Variation 3 and Change 3 can be downloaded from www.hbrc.govt.nz, or can be viewed at all public libraries in the region and at Hawke's Bay Regional Council offices, 159 Dalton Street, Napier. A printed copy Variation 1, Variation 3 and Change 3 may be requested by contacting Belinda Riley (06) 835 2630 or email belinda@hbrc.govt.nz.

Andrew Newman
CHIEF EXECUTIVE

TRACTA

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Council Decisions on submissions

HAWKE'S BAY REGIONAL COUNCIL

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Change 3: Regional Resource Management Plan - On-site wastewater

Variation 3: Proposed Regional Coastal Environment Plan - On-site wastewater

Decisions issued 6 June 2012

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TOPIC 1 – GENERAL

Decision# 1 Change 3 and Variation 3 (General)

C3 General		**Change 3 in general**	
Sub#:	**4**	**Gunn, Ian**	
	3	No specific decision requested, but implies amending Change 3 so all references to 'AS/NZS1547:2000' are replaced with references to 'AS/NZS1547.'	Accept in Part
Sub#:	**8**	**Napier City Council**	
	1	Generally supports content and intent of Change 3.	Accept in Part
Sub#:	**11**	**Williams, Derek**	
	1	No specific decision requested, but implies amendments are required to clarify what is 'reasonable mixing.'	Reject
V3 General		**Variation 3 in general**	
Sub#:	**4**	**Gunn, Ian**	
	4	No specific decision requested, but implies amending Variation 3 so all references to 'AS/NZS1547:2000' are replaced with references to 'AS/NZS1547.'	Accept in Part
Sub#:	**8**	**Napier City Council**	
	2	Generally supports content and intent of Variation 3.	Accept in Part
Sub#:	**11**	**Williams, Derek**	
	2	No specific decision requested, but implies amendments are required to clarify what is 'reasonable mixing.'	Reject

1. All references in rules to "AS/NZS 1547:2000" are amended to "AS/NZS 1547", as set out in Appendix 1.
2. A definition of "AS/NZS1547" is added to the Glossary as set out in Appendix 1, which refers to the full citation and title of AS/NZS1547:2012.
3. Further amendments to Change 3 are not made to clarify references to 'reasonable mixing.'
4. Similar amendments to those above also be made to Variation 3, as set out in Appendix 1.

5.	ACCEPT IN PART submissions by:	Gunn, Ian	4	3; 4
		Napier City Council	8	1; 2
6.	REJECT submissions by:	Williams, Derek	11	1; 2

Reasons

a) Updating references from the 2000 to 2012 version of AS/NZS1547 will ensure the plan refers to the most current industry practice and performance specifications for on-site domestic wastewater management.

b) There is already a definition of 'after reasonable mixing' included in the Plans. Further amendments to clarify 'reasonable mixing' are unnecessary.

Decision# 2 Terminology used in rules

C3 Rule 35 Gen	**Rule 35 General**		
Sub#:	**6**	**Hawke's Bay Regional Council**	
	1	Make the following minor wording amendments to Rule 35: 1. Amend the rule title by removing 'lawfully established' and replacing with 'existing'. 2. Amend footnote attached to word 'existing' rather than 'lawfully established' systems, and change reference in footnote itself 3. Amend the rule title by deleting 'domestic'. 4. Amend footnote by deleting 'domestic'. 5. Amend rule title by removing reference to 'non-reticulated'. 6. Delete 'non-reticulated' from footnote. 7. Amend the activity description by deleting 'lawfully established' and replacing with 'existing'. 8. Amend the activity description by deleting 'domestic'. 9. Amend activity description by deleting 'non-reticulated'.	Accept in Part
C3 Rule 36 Gen	**Rule 36 General**		
Sub#:	**6**	**Hawke's Bay Regional Council**	
	9	Make the following minor wording amendments to Rule 36: 1. Amend the rule title by removing 'lawfully established' and replacing with 'existing'. 2. Amend the rule title by deleting 'domestic', Amend footnote by deleting 'domestic'. 3. Amend rule definition by removing 'non-reticulated', Delete 'non-reticulated' from footnote. 4. Amend the activity description by deleting 'lawfully established' and replacing with 'existing'. 5. Amend the activity description by deleting 'domestic'. 6. Amend activity description by deleting 'non-reticulated'.	Accept in Part
	37	Delete reference to "Rule 37A" in advisory note.	Accept in Part
C3 Rule 37 Gen	**Rule 37 General**		
Sub#:	**6**	**Hawke's Bay Regional Council**	
	11	Make the following minor wording amendments to Rule 37: 1. Amend the rule title by deleting 'domestic' and amend footnote by deleting 'domestic'. 2. Amend rule definition by removing 'non-reticulated'. 3. Amend the activity description by deleting 'non-reticulated' 4. Amend the activity description by deleting 'domestic'. 5.Amend footnote for 'new' domestic non-reticulated wastewater systems by replacing references to 'lawfully established' with 'existing'.	Accept in Part
C3 Glossary 'l'	**'lawfully established'**		
Sub#:	**6**	**Hawke's Bay Regional Council**	
	29	'Lawfully established' - Delete definition as consequence of other amendments requested.	Accept in Part
V3 Rule 26 Gen	**Rule 26 General**		
Sub#:	**6**	**Hawke's Bay Regional Council**	
	2	Make the following minor wording amendments to Rule 26: 1. Amend the rule title by removing 'lawfully established' and replacing with 'existing'. 2. Amend footnote attached to word 'existing' rather than 'lawfully established' systems, and change reference in footnote itself 3. Amend the rule title by deleting 'domestic'. 4. Amend footnote by deleting 'domestic'. 5. Amend rule title by removing reference to 'non-reticulated'. 6. Delete 'non-reticulated' from footnote. 7. Amend the activity description by deleting 'lawfully established' and replacing with 'existing'. 8. Amend the activity description by deleting 'domestic'. 9. Amend activity description by deleting 'non-reticulated'.	Accept in Part
V3 Rule 27 Gen	**Rule 27 General**		
Sub#:	**6**	**Hawke's Bay Regional Council**	
	12	Make the following minor wording amendments to Rule 27: 1. Amend the rule title by deleting 'domestic' and amend footnote by deleting 'domestic'. 2. Amend rule definition by removing 'non-reticulated'. 3. Amend the activity description by deleting 'non-reticulated' 4. Amend the activity description by deleting 'domestic'. 5.Amend footnote for 'new' domestic non-reticulated wastewater systems by replacing references to 'lawfully established' with 'existing'.	Accept in Part
V3 Rule 28 Gen	**Rule 28 General**		
Sub#:	**6**	**Hawke's Bay Regional Council**	
	10	Make the following minor wording amendments to Rule 28: 1. Amend the rule title by removing 'lawfully established' and replacing with 'existing'. 2. Amend the rule title by deleting 'domestic', Amend footnote by deleting 'domestic'. 3. Amend rule definition by removing 'non-reticulated', Delete 'non-reticulated' from footnote. 4. Amend the activity description by deleting 'lawfully established' and replacing with 'existing'. 5. Amend the activity description by deleting 'domestic'. 6. Amend activity description by deleting 'non-reticulated'.	Accept in Part

7. The definition of 'lawfully established' be deleted from Change 3.
8. Rule 35 be retained albeit with amendments as set out in Appendix 1.
9. Rule 36 be retained albeit with amendments as set out in Appendix 1.
10. Rule 37 be retained albeit with amendments as set out in Appendix 1.
11. Similar amendments to those above be made to Variation 3, as set out in Appendix 1.
12. ACCEPT IN PART submissions by: Hawke's Bay Regional Council 6 1; 2; 9; 10; 11; 12; 29; 37

Reasons

a) Inclusion of a definition of 'lawfully established' that is not consistent with section 20A of the RMA could create confusion for Plan users and is not necessary given consequences of amendments elsewhere to Change 3.

b) The amendments to rules will provide a greater level of clarity and certainty for Plan users.

Decision# 3	‘Advanced primary treatment’ definition	
C3 Glossary 'a'	**'advanced primary treatment'**	
Sub#: 1	**Central Hawke's Bay District Council**	
15	'Advanced Primary Treatment' - Amend definition so that double cartridge outlet filter be specified as minimum requirement for all systems but especially LPED systems. If in an area classed as high risk, the tank must have a minimum of 2 chambers.	Reject
Sub#: 4	**Gunn, Ian**	
24	'Advanced primary treatment' - Amend definition to read: "in relation to the on-site treatment of household domestic wastewater, means primary treatment via a septic tank which incorporates an effluent outlet solids control device (outlet filter)."	Reject
V3 Glossary 'a'	**'advanced primary treatment'**	
Sub#: 1	**Central Hawke's Bay District Council**	
16	'Advanced Primary Treatment' - Amend definition so that double cartridge outlet filter be specified as minimum requirement for all systems but especially LPED systems. If in an area classed as high risk, the tank must have a minimum of 2 chambers.	Reject
Sub#: 4	**Gunn, Ian**	
25	'Advanced primary treatment' - Amend definition to read: "in relation to the on-site treatment of household domestic wastewater, means primary treatment via a septic tank which incorporates an effluent outlet solids control device (outlet filter)."	Reject

13. The definition of ‘advanced primary treatment’ be retained as notified.

14. REJECT submissions by:

Central Hawke's Bay District Council	1	15; 16
Gunn, Ian	4	24; 25

Reasons

a) The current definition of ‘advanced primary treatment’ is consistent with that used in regional plans and system design documentation elsewhere in New Zealand.

Decision# 4	Definitions for non-reticulated and on-site systems	
C3 Glossary 'n'	**'net site area' & 'non-reticulated wastewater system'**	
Sub#: 4	**Gunn, Ian**	
26	'Non-reticulated wastewater system' - Amend definition to read: "means a system for on-site collection, treatment and land application of domestic wastewater. Treatment systems include advanced septic tank units (with effluent outlet filter), dry vault units (eg. pit privies), wet vault (eg. septic closet) or biological (eg. composting toilet) systems for blackwater with separate greywater disposal (eg. sullage tanks), aerated wastewater treatment systems, sand media and alternative media filters, wetlands etc. Land application systems include..."	Reject
Sub#: 6	**Hawke's Bay Regional Council**	
30	'Non-reticulated wastewater system' - Amend definition by: 1. Deleting references to "non-reticulated" so definition relates simply to wastewater system. 2. Adding the following "systems may treat and discharge wastewater from one or more properties."	Reject
C3 Glossary 'o'	**'on-site sewage treatment system'**	
Sub#: 4	**Gunn, Ian**	
28	'On-site sewage treatment system' - Amend definition to mean: "A system used for the collection, treatment and land application of domestic household wastewaters within the boundaries of their property of origin."	Accept
Sub#: 6	**Hawke's Bay Regional Council**	
34	'On site sewage treatment system' - Delete and replace with new meaning to read "non-reticulated wastewater system."	Reject
Sub#: 10	**Wairoa District Council**	
9	'On-site sewage treatment system' - No specific decision requested, but implies that if disposal is not limited to within boundaries of the wastewater's origin, then some ongoing protection (by way of an easement or similar) shall be required.	Reject
C3 Glossary 'p'	**'point of discharge'**	
Sub#: 6	**Hawke's Bay Regional Council**	
35	'Point of discharge' - Amend definition by deleting reference to "non-reticulated and reticulated"	Accept
V3 Glossary 'n'	**'net site area' & 'non-reticulated wastewater system'**	
Sub#: 4	**Gunn, Ian**	
27	'Non-reticulated wastewater system' - Amend definition to read: "means a system for on-site collection, treatment and land application of domestic wastewater. Treatment systems include advanced septic tank units (with effluent outlet filter), dry vault units (eg. pit privies), wet vault (eg. septic closet) or biological (eg. composting toilet) systems for blackwater with separate greywater disposal (eg. sullage tanks), aerated wastewater treatment systems, sand media and alternative media filters, wetlands etc. Land application systems include..."	Reject
29	'Non-reticulated wastewater system' - Implies definition be replaced with definition as follows: 'On-site wastewater system' means a system used for the collection, treatment and land application of domestic household wastewaters within the boundaries of their property of origin."	Accept
Sub#: 6	**Hawke's Bay Regional Council**	
31	'Non-reticulated wastewater system' - Amend definition by: 1. Deleting references to "non-reticulated" so definition relates simply to wastewater system. 2. Adding the following "systems may treat and discharge wastewater from one or more properties."	Reject
Sub#: 10	**Wairoa District Council**	
10	'Non-reticulated wastewater system' - No specific decision requested, but implies that if disposal is not limited to within boundaries of the wastewater's origin, then some ongoing protection (by way of an easement or similar) shall be required.	Reject
V3 Glossary 'p'	**'point of discharge'**	
Sub#: 6	**Hawke's Bay Regional Council**	
36	'Point of discharge' - Amend definition by deleting reference to "non-reticulated and reticulated"	Accept

15. The definition of 'non-reticulated wastewater system' be deleted.

16. The definition of 'on-site sewage treatment systems' be retained, albeit amended as set out in Appendix 1.

17. The definition of 'point of discharge' be retained, albeit amended as set out in Appendix 1.

18. A definition of 'wastewater system' be added as set out in Appendix 1.

19. Similar amendments to those above be made to Variation 3, as set out in Appendix 1.

20.	ACCEPT submissions by:	Gunn, Ian	4	28; 29
		Hawke's Bay Regional Council	6	35; 36
21.	REJECT submissions by:	Gunn, Ian	4	26; 27
		Hawke's Bay Regional Council	6	30; 31; 34
		Wairoa District Council	10	9; 10

Reasons

a) Deleting definition of 'non-reticulated wastewater system' is a necessary consequential amendment given amendments to other plan provisions.

b) The amendments will ensure consistency with other plan provisions.

c) It is not considered appropriate or necessary to require easements or other legal instruments to be put in place for discharges that are not located on the same property the wastewater is generated on.

Decision# 5	‘Raised bed’ definition	
C3 Glossary 'r'	**'raised bed' & 'reticulated wastewater system'**	
Sub#: 1	**Central Hawke's Bay District Council**	
17	'Raised bed' - Amend definition to clarify whether or not ETA/ETS designs and Wisconsin mounds fall within definition of raised beds.	Accept
Sub#: 6	**Hawke's Bay Regional Council**	
32	'Raised bed' - Amend definition by deleting reference to "non-reticulated."	Accept
Sub#: 10	**Wairoa District Council**	
5	'Raised bed' - Amend definition to refer to "natural" ground level rather than imply artificially modified ground level is basis.	Reject
V3 Glossary 'r'	**'raised bed'**	
Sub#: 1	**Central Hawke's Bay District Council**	
18	'Raised bed' - Amend definition to clarify whether or not ETA/ETS designs and Wisconsin mounds fall within definition of raised beds.	Accept
Sub#: 6	**Hawke's Bay Regional Council**	
33	'Raised bed' - Amend definition by deleting reference to "non-reticulated"	Accept
Sub#: 10	**Wairoa District Council**	
6	'Raised bed' - Amend definition to refer to "natural" ground level rather than imply artificially modified ground level is basis.	Reject

22. The definition of ‘raised bed’ be amended as set out in Appendix 1.

23. Similar amendments to those above be made to Variation 3, as set out in Appendix 1.

24. ACCEPT submissions by: Central Hawke’s Bay District Council 1 17; 18
Hawke’s Bay Regional Council 6 32; 33

25. REJECT submissions by: Wairoa District Council 10 5; 6

Reasons

a) Amendments to the definition of ‘raised bed’ will provide a greater level of clarity and certainty for Plan users.

b) The amendments will ensure consistency with other plan provisions.

Decision# 6	Ruataniwha Plains aquifer mapping	
C3 Rule 36(a)	**Rule 36(a) discharges over aquifers**	
Sub#: 2	**Christison, Terry**	
3	Amend Change 3 so that Ruataniwha Plains aquifer is clearly mapped for purposes of Rule 36 (a).	Reject
Sub#: 3	**Effluent Management Systems Ltd**	
5	Amend Change 3 to clarify extent of Ruataniwha Plains unconfined aquifer for purposes of Rule 36(a).	Reject
C3 Rule 37(d)	**Rule 37(d) residential zoned land and aquifers**	
Sub#: 2	**Christison, Terry**	
4	Amend Change 3 so that Ruataniwha Plains unconfined aquifer is clearly mapped for purposes of Rule 37 (d).	Reject
Sub#: 3	**Effluent Management Systems Ltd**	
6	Amend Change 3 to clarify extent of Ruataniwha Plains unconfined aquifer for purposes of Rule 37(d).	Reject

26. Rule 36(a) be retained as notified in Change 3.

27. Rule 37 (d) be retained as notified in Change 3.

28. Change 3 not be amended to incorporate new maps or amendments to existing maps of the showing the Ruataniwha Plains unconfined aquifer.

29. REJECT submissions by:

Christison, Terry	2	3; 4
Effluent Management Systems Ltd	3	5; 6

Reasons

a) RRMP Schedule IV already maps the location and extent of the Ruataniwha Plains unconfined aquifer.

b) More specific and detailed information on the location of the Ruataniwha Plains unconfined aquifer is available in various forms (eg: hardcopies or digital maps) upon request.

Decision# 7	Community drinking water supplies	
C3 Rule 35(iB)	**Rule 35(iB) drinking water supplies**	
Sub#: 2	**Christison, Terry**	
13	No specific decision requested, but implies Rule 35(iB) requires further consideration.	Accept in Part
Sub#: 10	**Wairoa District Council**	
1	Amend Change 3 to clarify references to "discharges shall not be located upstream of a registered drinking water supply..." and what is meant by "upstream" in Rule 35(iB).	Accept in Part
C3 Rule 37(qB)	**Rule 37(qB) drinking water supplies**	
Sub#: 2	**Christison, Terry**	
14	No specific decision requested, but implies Rule 37(qB) requires further consideration.	Accept in Part
Sub#: 10	**Wairoa District Council**	
2	Amend Change 3 to clarify references to "discharges shall not be located upstream of a registered drinking water supply..." and what is meant by "upstream" in Rule 37(qB).	Accept in Part
V3 Rule 26(hB)	**Rule 26(hB) drinking water supplies**	
Sub#: 2	**Christison, Terry**	
15	No specific decision requested, but implies Rule 26(hB) requires further consideration.	Accept in Part
Sub#: 10	**Wairoa District Council**	
3	Amend Variation 3 to clarify references to "discharges shall not be located upstream of a registered drinking water supply..." and what is meant by "upstream" in Rule 26(hB).	Accept in Part
V3 Rule 27(pB)	**Rule 27(pB) drinking water supplies**	
Sub#: 2	**Christison, Terry**	
16	No specific decision requested, but implies Rule27(pB) requires further consideration.	Accept in Part
Sub#: 10	**Wairoa District Council**	
4	Amend Variation 3 to clarify references to "discharges shall not be located upstream of a registered drinking water supply..." and what is meant by "upstream" in Rule 27(pB).	Accept in Part

30. Delete Rule 35(iB) in Change 3.

31. Delete Rule 37(qB) in Change 3.

32. Similar amendments to those above be made to Variation 3, as set out in Appendix 1.

33.

ACCEPT IN PART submissions by:	Christison, Terry	2	13; 14; 15; 16
	Wairoa District Council	10	1; 2; 3; 4

Reasons

a) Conditions specifically relating to community drinking water supplies are unnecessary given likely effects of discharges that are potentially permitted by these rules.

b) Other provisions in rules permitting discharges of wastewater will ensure proper account is taken of actual and potential effects of those discharges on community drinking water supplies.

Decision# 8	Spray irrigation	
C3 Rule 35(iA)	**Rule 35(iA) spray irrigation**	
Sub#: 2	Christison, Terry	
1	No specific decision requested, but implies that Rule 35 (iA) be amended to permit spray irrigation of tertiary treated wastewater.	Reject
Sub#: 6	Hawke's Bay Regional Council	
7	Amend Rule 35(iA) by adding "unless it is treated to at least a tertiary standard."	Reject
C3 Rule 37 Gen	**Rule 37 General**	
Sub#: 6	Hawke's Bay Regional Council	
19	Amend Rule 37(q) to allow disposal by way of spray irrigation if wastewater is treated to at least a tertiary standard (ie: to read: "(q) This discharge shall not be disposed of by way of spray irrigation unless it is treated to at least a tertiary standard.")	Reject
V3 Rule 26(hA)	**Rule 26(hA) spray irrigation**	
Sub#: 2	Christison, Terry	
2	No specific decision requested, but implies that Rule 26(hA) be amended to permit spray irrigation of tertiary treated wastewater.	Reject
Sub#: 6	Hawke's Bay Regional Council	
8	Amend Rule 26(hA) by adding "unless it is treated to at least a tertiary standard."	Reject
V3 Rule 27 Gen	**Rule 27 General**	
Sub#: 6	Hawke's Bay Regional Council	
20	Amend Rule 27(p) to allow disposal by way of spray irrigation if wastewater is treated to at least a tertiary standard (ie: to read: "(p) This discharge shall not be disposed of by way of spray irrigation unless it is treated to at least a tertiary standard.")	Reject

34. Rule 35(iA) be retained as notified.

35. Similar amendments to those above be made to Variation 3, as set out in Appendix 1.

36. REJECT submissions by:

Christison, Terry	2	1; 2
Hawke's Bay Regional Council	6	7; 8; 19; 20

Reasons

a) Permitting the discharge of wastewater by way of spray irrigation would not ensure proper account is taken of actual and potential effects of the activity.

b) Rules requiring a resource consent for discharge of wastewater by way of spray irrigation ensure proper recognition of public health risks that spray irrigation of wastewater can present.

Decision# 9 System maintenance

C3 New	**New provision in Change 3**		
Sub#: 9	**Rogerson, Susan & Stephen**		
	1	Add new provision to Change 3 so that private home owners are permitted to maintain their wastewater systems if they have been taught by a trained operator.	Reject
C3 Rule 35(i)	**Rule 35(i) system maintenance**		
Sub#: 1	**Central Hawke's Bay District Council**		
	1	Retain Rule 35(i) that requires maintenance schedules to be forwarded to HBRC upon request.	Accept in Part
Sub#: 3	**Effluent Management Systems Ltd**		
	1	Amend Rule 35(i) to allow maintenance to be undertaken in accordance with amendments of AS/NZS 1547:2000 or other recognised on-site design/management manuals.	Accept
Sub#: 4	**Gunn, Ian**		
	14	Amend Rule 35(i) so references are made to the current version of AS/NZS 1547. ie: Amend to read "...as described in the current version of AS/NZS1547..."	Accept
Sub#: 6	**Hawke's Bay Regional Council**		
	5	Amend Rule 35(i) to specify operation and maintenance to be undertaken in accordance with TP58: On-site Wastewater Systems: Design and Management Manual (Auckland Regional Council Technical Publication No. 58), or another alternative recognised on-site wastewater design manuals.	Accept
C3 Rule 37(p)	**Rule 37(p) system maintenance**		
Sub#: 1	**Central Hawke's Bay District Council**		
	2	Retain Rule 37(p) that requires maintenance schedules to be forwarded to HBRC upon request.	Accept in Part
Sub#: 3	**Effluent Management Systems Ltd**		
	2	Amend Rule 37(p) to allow maintenance to be undertaken in accordance with amendments of AS/NZS 1547:2000 or other recognised on-site design/management manuals.	Accept
Sub#: 4	**Gunn, Ian**		
	15	Amend Rule 37(p) so references are made to the current version of AS/NZS 1547. ie: Amend to read "...as described in the current version of AS/NZS1547..."	Accept
Sub#: 6	**Hawke's Bay Regional Council**		
	17	Amend Rule 37(p) to specify operation and maintenance to be undertaken in accordance with TP58: On-site Wastewater Systems: Design and Management Manual (Auckland Regional Council Technical Publication No. 58), or another alternative recognised on-site wastewater design manuals.	Accept
V3 New	**New provision in Variation 3**		
Sub#: 9	**Rogerson, Susan & Stephen**		
	2	Add new provision to Variation 3 so that private home owners are permitted to maintain their wastewater systems if they have been taught by a trained operator.	Reject
V3 Rule 26(h)	**Rule 26(h) system maintenance**		
Sub#: 1	**Central Hawke's Bay District Council**		
	3	Retain Rule 26(h) that requires maintenance schedules to be forwarded to HBRC upon request.	Accept in Part
Sub#: 3	**Effluent Management Systems Ltd**		
	3	Amend Rule 26(h) to allow maintenance to be undertaken in accordance with amendments of AS/NZS 1547:2000 or other recognised on-site design/management manuals.	Accept
Sub#: 4	**Gunn, Ian**		
	16	Amend Rule 26(h) so references are made to the current version of AS/NZS 1547. ie: Amend to read "...as described in the current version of AS/NZS1547..."	Accept
Sub#: 6	**Hawke's Bay Regional Council**		
	6	Amend Rule 26(h) to specify operation and maintenance to be undertaken in accordance with TP58: On-site Wastewater Systems: Design and Management Manual (Auckland Regional Council Technical Publication No. 58), or another alternative recognised on-site wastewater design manuals.	Accept
V3 Rule 27(o)	**Rule 27(o) system maintenance**		
Sub#: 1	**Central Hawke's Bay District Council**		
	4	Retain Rule 27(o) that requires maintenance schedules to be forwarded to HBRC upon request.	Accept in Part
Sub#: 3	**Effluent Management Systems Ltd**		
	4	Amend Rule 27(o) to allow maintenance to be undertaken in accordance with amendments of AS/NZS 1547:2000 or other recognised on-site design/management manuals.	Accept
Sub#: 4	**Gunn, Ian**		
	17	Amend Rule 27(o) so references are made to the current version of AS/NZS 1547. ie: Amend to read "...as described in the current version of AS/NZS1547..."	Accept

Sub#:	6	Hawke's Bay Regional Council	
	18	Amend Rule 27(o) to specify operation and maintenance to be undertaken in accordance with TP58: On-site Wastewater Systems: Design and Management Manual (Auckland Regional Council Technical Publication No. 58), or another alternative recognised on-site wastewater design manuals.	Accept

37. Rule 35(i) be retained albeit amended as set out in Appendix 1.

38. Rule 37(p) be retained albeit amended as set out in Appendix 1.

39. Similar amendments to those above be made to Variation 3, as set out in Appendix 1.

40.	ACCEPT submissions by:	Effluent Management Systems Ltd	3	1; 2; 3; 4
		Gunn, Ian	4	14; 15; 16; 17
		Hawke's Bay Regional Council	6	5; 6; 17; 18
41.	ACCEPT IN PART submissions by:	Central Hawke's Bay District Council	1	1; 2; 3; 4
42.	REJECT submissions by:	Rogerson, Susan and Stephen	9	1; 2

Reasons

a) In February 2012, Standards New Zealand published the 2012 version of AS/NZS1547. References to AS/NZS1547, together with the addition of a definition to the glossary which specifies that it is the 2012 version, will ensure that the plan refers to the current industry guidelines and most up-to-date performance specifications for on-site domestic wastewater management.

b) That conditions enabling HBRC to request maintenance schedules are necessary and appropriate and are already contained in the rules.

c) It is inappropriate and unnecessary for regional rules to specify who can/cannot undertake maintenance work on wastewater systems. The most appropriate requirements are for the rules to require maintenance, irrespective of who does it, to be in accordance with specified maintenance procedures.

TOPIC 2 – SYSTEM SPECIFICATIONS (FIGURE 6 AND SCHEDULE J)

Decision# 10	Figure 6 and Schedule J (General)	
C3 Fig. 6 Gen	**Figure 6 General**	
Sub#: 6	Hawke's Bay Regional Council	
21	Amend Figure 6 title to read "Minimum design specifications for wastewater systems"	Accept in Part
C3 Fig. 6 New	**New provision in Figure 6**	
Sub#: 3	Effluent Management Systems Ltd	
11	No specific decision requested, but implies that design flow allowances should take into account wastewater strength.	Reject
V3 Sched J Gen	**Schedule J General**	
Sub#: 6	Hawke's Bay Regional Council	
22	Amend Schedule J title to read "Minimum design specifications for wastewater systems"	Accept in Part
V3 Sched J New	**New provision in Schedule J**	
Sub#: 3	Effluent Management Systems Ltd	
12	No specific decision requested, but implies that design flow allowances should take into account wastewater strength.	Reject

43. The title for Figure 6 be amended as set out in Appendix 1.

44. Figure 6 is not amended to include further provisions to consider wastewater strength in design flow allowances.

45. Similar amendments to those above be made to Variation 3, as set out in Appendix 1.

46.	ACCEPT IN PART submissions by:	Hawke's Bay Regional Council	6	21; 22
47.	REJECT submissions by:	Effluent Management Systems Ltd	3	11; 12

Reasons

a) Amendment of Figure 6 and Schedule J title will provide a greater level of clarity for Plan users.

b) Adding specific provisions to consider wastewater strength in design flow allowances is unnecessary. Other provisions in the rules will ensure that proper account is taken of any potential adverse effects of higher strength wastewater.

Decision# 11	Figure 6.1 and Schedule J1	
C3 Fig. 6.1 Gen	**Figure 6.1 General**	
Sub#: 4	**Gunn, Ian**	
37	No specific decision requested, but implies amending Fig 6.1 so that flow allowances are consistent with 2011 version of AS/NZS1547: 1. Households (On-site roof water tank supply) from 140 to 180; 2. Households (Reticulated community/bore water supply) from 180 to 200; 3. Households blackwater only (On-site roof water tank supply) from 50 to 60; 4. Households blackwater only (Reticulated community/bore water supply) retain at 60; 5. Motels/hotels guests, resident staff (On-site roof water tank supply) from 140 to 220; 6. Motels/hotels guests, resident staff (Reticulated community/bore water supply) from 180 to 220; 7. Motels/hotels non-resident staff (Reticulated community/bore water supply) from 40 to 30; 8. Motels/hotels bar trade per customer (Reticulated community/bore water supply) from 25 to 20; 9. Motels/hotels restaurant per diner (On-site roof water tank supply) from 20 to 25; 10. School pupils plus staff (On-site roof water supply) from 30 to 15; 11. School pupils plus staff (Reticulated community/bore water supply) from 40 to 30.	Accept in Part
Sub#: 5	**Hastings District Council**	
2	Amend Fig 6.1 table so second column's heading reads: "Gravity fed on-site roof water tank supply"	Reject
Sub#: 6	**Hawke's Bay Regional Council**	
23	Amend Fig 6.1 heading of columns two and three to read "Minimum wastewater flow allowance in L/person/day"	Accept
V3 Sched J.1 Gen	**Schedule J1 General**	
Sub#: 4	**Gunn, Ian**	
38	No specific decision requested, but implies amending Fig 6.1 so that flow allowances are consistent with 2011 version of AS/NZS1547: 1. Households (On-site roof water tank supply) from 140 to 180; 2. Households (Reticulated community/bore water supply) from 180 to 200; 3. Households blackwater only (On-site roof water tank supply) from 50 to 60; 4. Households blackwater only (Reticulated community/bore water supply) retain at 60; 5. Motels/hotels guests, resident staff (On-site roof water tank supply) from 140 to 220; 6. Motels/hotels guests, resident staff (Reticulated community/bore water supply) from 180 to 220; 7. Motels/hotels non-resident staff (Reticulated community/bore water supply) from 40 to 30; 8. Motels/hotels bar trade per customer (Reticulated community/bore water supply) from 25 to 20; 9. Motels/hotels restaurant per diner (On-site roof water tank supply) from 20 to 25; 10. School pupils plus staff (On-site roof water supply) from 30 to 15; 11. School pupils plus staff (Reticulated community/bore water supply) from 40 to 30.	Accept in Part
Sub#: 5	**Hastings District Council**	
3	Amend Schedule J1 table so second column's heading reads: "Gravity fed on-site roof water tank supply"	Reject
Sub#: 6	**Hawke's Bay Regional Council**	
24	Amend Schedule J1 heading of columns two and three to read "Minimum wastewater flow allowance in L/person/day"	Accept

48. Figure 6.1 be retained albeit with amendments as set out in Appendix 1.

49. Similar amendments to those above be made to Variation 3, as set out in Appendix 1.

50.	ACCEPT submissions by:	Hawke's Bay Regional Council	6	23; 24
51.	ACCEPT IN PART submissions by:	Gunn, Ian	4	37; 38
52.	REJECT submissions by:	Hastings District Council	5	2; 3

Reasons

a) Consistency with the current version of AS/NZS 1547 (ie: 2012 revision) is appropriate as it will assist in ensuring the design requirements of HBRC are consistent with requirements applicable in other areas of New Zealand.

b) Amendments will provide a greater level of clarity for Plan users about what are relevant numbers in Figure 6.1 and Schedule J1(for example. a minimum requirement).

c) Amendments are unnecessary to require higher flow allowances for pumped rainwater supplies compared with gravity-fed rainwater supplies.

d) Household flow allowances for on-site roof water tank supplies have increased from 140 to 180 as per specifications in AS/NZS1547:2012. This reduces the relative 'gap' between on-site roof tank and reticulated community/bore water supplies.

Decision# 12 Figure 6.2 and Schedule J2

C3 Fig. 6.2 Gen	**Figure 6.2 General**		
Sub#: 1	**Central Hawke's Bay District Council**		
9	Amend Fig 6.2.2 (c) so spacing between irrigation lines is graduated from 600mm to 1000mm.	Reject	
Sub#: 2	**Christison, Terry**		
17	Amend Fig 6.2.2 (a) by replacing references to 'cover' with references to 'media.'	Accept in Part	
19	No specific decision requested, but implies 6.2.2 (c) be deleted.	Reject	
Sub#: 4	**Gunn, Ian**		
20	Amend Fig 6.2.1 as follows: 1. Delete all rates specified in mm/wk so all rates are only specified in mm/day 2. Amend rates to nearest 0.5mm/day.	Accept in Part	
33	Amend Fig 6.2.2 so 1. new clause (a) added to read: "(a) Irrigation shall be via pressure compensating drip emitter lines (spray irrigation is not permitted)." 2. b) reads: "Subsurface irrigation lines shall be installed at a depth of 100 mm within 200 mm minimum depth of good quality topsoil." 3. c) reads: "Maximum spacing of irrigation drip lines to be not more than 600 mm for sand and 1000 mm for all other soil types (except on slopes greater than 15 degrees)." 4. d) reads: "Secondary treated wastewater shall be applied evenly across the entire land treatment field."	Accept in Part	
Sub#: 6	**Hawke's Bay Regional Council**		
25	Amend Fig 6.2.1 title to read: "Maximum design loading rates for irrigation systems."	Accept in Part	
38	Amend Fig 6.2.2 by adding: "e) Slope: i) On slopes of less than 15 degrees, the distance between irrigation lines (centre to centre) shall be less than 1m ii) On slopes of 15 to 20 degrees, the distance between irrigation lines (centre to centre) shall be at least 1.5m iii) On slopes of greater than 20 degrees the distance between irrigation lines (centre to centre) shall be at least 2 m."	Reject	
V3 Sched J.2 Gen	**Schedule J2 General**		
Sub#: 1	**Central Hawke's Bay District Council**		
10	Amend Schedule J.2.2 (c) so spacing between irrigation lines is graduated from 600mm to 1000mm.	Reject	
Sub#: 2	**Christison, Terry**		
18	Amend Schedule J.2.2(a) by replacing references to 'cover' with references to 'media.'	Accept in Part	
20	No specific decision requested, but implies Schedule J.2.2 (c) be deleted.	Reject	
Sub#: 4	**Gunn, Ian**		
21	Amend Schedule J2.1 as follows: 1. Delete all rates specified in mm/wk so all rates are only specified in mm/day. 2. Amend rates to nearest 0.5mm/day.	Accept in Part	
34	Amend Schedule J2.2 so 1. new clause (a) added to read: "(a) Irrigation shall be via pressure compensating drip emitter lines (spray irrigation is not permitted)." 2. b) reads: "Subsurface irrigation lines shall be installed at a depth of 100 mm within 200 mm minimum depth of good quality topsoil." 3. c) reads: "Maximum spacing of irrigation drip lines to be not more than 600 mm for sand and 1000 mm for all other soil types (except on slopes greater than 15 degrees)." 4. d) reads: "Secondary treated wastewater shall be applied evenly across the entire land treatment field."	Accept in Part	
Sub#: 6	**Hawke's Bay Regional Council**		
26	Amend J2.1 title to read: "Maximum design loading rates for irrigation systems."	Accept in Part	
39	Amend Schedule J2.2 by adding: "e) Slope: i) On slopes of less than 15 degrees, the distance between irrigation lines (centre to centre) shall be less than 1m ii) On slopes of 15 to 20 degrees, the distance between irrigation lines (centre to centre) shall be at least 1.5m iii) On slopes of greater than 20 degrees the distance between irrigation lines (centre to centre) shall be at least 2 m."	Reject	

53. Figure 6.2 be retained albeit with amendments as set out in Appendix 1.

54. Similar amendments to those above be made to Variation 3, as set out in Appendix 1.

55.	ACCEPT IN PART submissions by:	Christison, Terry	2	17; 18
		Gunn, Ian	4	20; 21; 33; 34
		Hawke's Bay Regional Council	6	25; 26
56.	REJECT submissions by:	Central Hawke's Bay District Council	1	9; 10
		Christison, Terry	2	19; 20
		Hawke's Bay Regional Council	6	38; 39

Reasons

a) Amendments will provide a greater level of clarity for Plan users.

b) Amendments to the disposal field line spacing are considered unnecessary.

c) Amendments to alter design standards for discharges on slopes are appropriate and will assist in ensuring proper account is taken of effects of wastewater discharges to sloping land.

d) The amendments will complement the Regional Council's service provider accreditation programmes insofar as they are consistent with AS/NZS1547:2012 specifications.

e) Consistency with AS/NZS1547:2012 will ensure a greater degree of consistency across the region of protocols and procedures used to assess, inspect and monitor on-site wastewater system design, construction, operation and maintenance, irrespective of varying practices by building consent authorities. This will assist to reduce risks associated with on-site wastewater system operation and maintenance after building consent inspection phases are completed.

Decision# 13	Figure 6.3 and Schedule J3	
C3 Fig. 6.3 Gen	**Figure 6.3 General**	
Sub#: 1	**Central Hawke's Bay District Council**	
11	Amend Note 1, Table 6.3.1 to clarify qualifications or criteria relating to who is considered by HBRC as able to provide a special design.	Reject
Sub#: 2	**Christison, Terry**	
21	No specific decision requested, but implies Schedule 6.3.2 (b) be deleted.	Reject
23	No specific decision requested, but implies Fig 6.3.2 (d) be deleted.	Reject
Sub#: 3	**Effluent Management Systems Ltd**	
13	No specific decision requested, but implies design standards in Fig 6.3.2 be deleted.	Reject
Sub#: 4	**Gunn, Ian**	
22	Amend Fig 6.3.1 so loading rate for high/moderately structured soils is increased from 10 mm/d to 15 mm/d.	Accept
35	Amend Fig 6.3.2 as follows: 1. So a) reads "Trenches should be of 300 mm to 450 mm width and have a depth of aggregate of 200 mm to 400 mm." 2. So b) reads: "They should be no longer than 25 m, and there should be spacing of at least 1000 mm between adjacent trench walls." 3. So c) reads: "Beds should be at least 1000 mm wide, with a minimum spacing of 1000 mm between adjacent trench walls." 4. So e) reads: "Both trenches and beds should be backfilled with distribution media and covered with a minimum 150 mm of topsoil." 5. So f) reads: "The discharge shall be pumped or dosed in fixed quantities so that the wastewater is applied uniformly throughout the entire land treatment field. Gravity distribution to trenches and beds is not permitted."	Accept in Part
Sub#: 6	**Hawke's Bay Regional Council**	
27	Amend Fig 6.3.1 title to read: "Maximum design loading rates for trenches and beds"	Accept
40	Amend Fig 6.3.2 by adding: "g) Trenches or beds shall not be constructed on slopes that are greater than 15 degrees."	Accept
V3 Sched J.3 Gen	**Schedule J3 General**	
Sub#: 1	**Central Hawke's Bay District Council**	
12	Amend Note 1, Table J3.1 to clarify qualifications or criteria relating to who is considered by HBRC as able to provide a special design.	Reject
Sub#: 2	**Christison, Terry**	
22	No specific decision requested, but implies Schedule J3.2 (b) be deleted.	Reject
24	No specific decision requested, but implies Schedule J.3.2 (d) be deleted.	Reject
Sub#: 3	**Effluent Management Systems Ltd**	
14	No specific decision requested, but implies design standards in Schedule J.3.2 be deleted.	Reject
Sub#: 4	**Gunn, Ian**	
23	Amend Schedule J3.1 so loading rate for high/moderately structured soils is increased from 10 mm/d to 15 mm/d.	Accept
36	Amend Schedule J3.2 as follows: 1. So a) reads "Trenches should be of 300 mm to 450 mm width and have a depth of aggregate of 200 mm to 400 mm." 2. So b) reads: "They should be no longer than 25 m, and there should be spacing of at least 1000 mm between adjacent trench walls." 3. So c) reads: "Beds should be at least 1000 mm wide, with a minimum spacing of 1000 mm between adjacent trench walls." 4. So e) reads: "Both trenches and beds should be backfilled with distribution media and covered with a minimum 150 mm of topsoil." 5. So f) reads: "The discharge shall be pumped or dosed in fixed quantities so that the wastewater is applied uniformly throughout the entire land treatment field. Gravity distribution to trenches and beds is not permitted."	Accept in Part
Sub#: 6	**Hawke's Bay Regional Council**	
28	Amend Schedule J3.1 title to read: "Maximum design loading rates for trenches and beds"	Accept
41	Amend Schedule J3.2 by adding: "g) Trenches or beds shall not be constructed on slopes that are greater than 15 degrees."	Accept

57. Figure 6.3 be retained albeit with amendments as set out in Appendix 1.

58. Similar amendments to those above be made to Variation 3, as set out in Appendix 1.

59.	ACCEPT submissions by:	Gunn, Ian	4	22; 23
		Hawke's Bay Regional Council	6	27; 28; 40; 41
60.	ACCEPT IN PART submissions by:	Gunn, Ian	4	35; 36
61.	REJECT submissions by:	Central Hawke's Bay District Council	1	11; 12
		Christison, Terry	2	21; 22; 23; 24
		Effluent Management Systems Ltd	3	13; 14

Reasons

a) It would be inappropriate to provide guidance in the plan about who is adequately qualified to undertake designs. The provision of this information is more appropriately achieved separately through the Regional Council's accreditation programme.

b) Amendments to the design specifications are based on the recommendations of technical experts and are consistent with AS/NZS1547:2012.

c) Deleting some or all of the design specifications would fail to provide minimum design standards which are important to ensure all wastewater systems are designed to an acceptable level.

Decision# 14	Disposal field designs	
C3 Rule 35(g)	**Rule 35(g) field designs**	
Sub#: 4	**Gunn, Ian**	
1	EITHER amend Rule 35(g)(i) to read: (g) Either "(i) discharges from pit privies shall be from privies constructed in soil with a soil texture category of 2 to 6 as per AS/NZS1547; or..." OR alternatively read: "(i) discharges from pit privies shall be from privies constructed in soil other than sands or gravels of a soil texture category of 1 as per AS/NZS 1547; or..."	Accept in Part
Sub#: 6	**Hawke's Bay Regional Council**	
3	Amend Rule 35(g) to read "all other discharges shall be into a land treatment field designed in accordance with Figure 6."	Accept
V3 Rule 26(f)	**Rule 26(f) field designs**	
Sub#: 4	**Gunn, Ian**	
2	EITHER amend Rule 26(f)(i) to read: "(f) Either (i) discharges from pit privies shall be from privies constructed in soil with a soil texture category of 2 to 6 as per AS/NZS1547; or..." OR alternatively read: "(i) discharges from pit privies shall be from privies constructed in soil other than sands or gravels of a soil texture category of 1 as per AS/NZS 1547; or..."	Accept in Part
Sub#: 6	**Hawke's Bay Regional Council**	
4	Amend Rule 26(f) to read "all other discharges shall be into a land treatment field designed in accordance with Schedule J."	Accept

62. Retain Rule 35(g) albeit with amendments as set out in Appendix 1.

63. Similar amendments to those above be made to Variation 3, as set out in Appendix 1.

64.	ACCEPT submissions by:	Hawke's Bay Regional Council	6	3; 4
65.	ACCEPT IN PART submissions by:	Gunn, Ian	4	1; 2

Reasons

a) It would be inappropriate to have pit privies constructed in category 1 soils due to potential adverse effects on groundwater quality.

b) Amendments are based on the advice of technical experts and are consistent with AS/NZS1547:2012.

c) The proposed amendments will improve the clarity of the condition and provide a greater level of certainty for Plan users.

TOPIC 3 – RRMP RULE 37 AND pRCEP RULE 27

Decision# 15	Rule 37 and Rule 27 (General)	
C3 Rule 37 Gen	**Rule 37 General**	
Sub#: 1	**Central Hawke's Bay District Council**	
13	Amend minimum property size from 2500m2 for permitted discharges of advanced primary wastewater to recognise certain situations where onsite discharges onto smaller lots may be acceptable.	Reject
Sub#: 4	**Gunn, Ian**	
5	Amend Rule 37(a) by deleting minimum lot size applicable to primary treatment systems.	Reject
9	Amend Rule 37(g) to read: "(g) The discharge shall be distributed uniformly throughout the land treatment field at each application."	Reject
10	Amend Rule 37(m) to read as follows: "(m) For discharges using the pit privy method: i) the pit privy shall be constructed in soil with a soil texture category of 2 to 6 as per AS/NZS 1547; and ii) the pit privy shall not be the primary wastewater system for any permanently occupied dwelling."	Reject
13	Amend Rule 37(o) to read: "(o) Where the wastewater receives secondary treatment or better, the discharge shall not exceed 30 g/m3 of BOD and 45 g/m3 of suspended solids in any single grab sample."	Reject
C3 Rule 37(nA)	**Rule 37(nA) system design & installation specs**	
Sub#: 6	**Hawke's Bay Regional Council**	
15	Amend so Rule 37(nA) reordered as Condition (eC).	Accept
V3 Rule 27 Gen	**Rule 27 General**	
Sub#: 1	**Central Hawke's Bay District Council**	
14	Amend minimum property size from 2500m2 for permitted discharges of advanced primary wastewater to recognise certain situations where onsite discharges onto smaller lots may be acceptable.	Reject
Sub#: 4	**Gunn, Ian**	
30	Amend Rule 27(g) to read: "(g) The discharge shall be distributed uniformly throughout the land treatment field at each application."	Reject
31	Amend Rule 27(l) to read as follows: "(l) For discharges using the pit privy method: i) the pit privy shall be constructed in soil with a soil texture category of 2 to 6 as per AS/NZS 1547; and ii) the pit privy shall not be the primary wastewater system for any permanently occupied dwelling."	Reject
32	Amend Rule 27(n) to read: "(n) Where the wastewater receives secondary treatment or better, the discharge shall not exceed 30 g/m3 of BOD and 45 g/m3 of suspended solids in any single grab sample."	Reject
V3 Rule 27(c)	**Rule 27(c) land area of discharge**	
Sub#: 4	**Gunn, Ian**	
6	Amend Rule 27(c) by deleting minimum lot size applicable to primary treatment systems.	Reject
V3 Rule 27(mA)	**Rule 27(mA) system design and installation specs**	
Sub#: 6	**Hawke's Bay Regional Council**	
16	Amend so Rule27(mA) reordered as Condition (dB).	Accept

66. Rule 37 be retained albeit with amendments as set out in Appendix 1.

67. Similar amendments to those above are also made to Variation 3, as set out in Appendix 1.

68.	ACCEPT submissions by:	Hawke's Bay Regional Council	6	15; 16
69.	REJECT submissions by:	Central Hawke's Bay District Council	1	13; 14
		Gunn, Ian	4	5; 6; 9; 10; 13; 30; 31; 32

Reasons

a) The proposed changes will improve the clarity of the rule and should help plan users understand when it applies.

b) Reordering the appearance of Condition (nA) to be (eC) would improve clarity and readability of Rule 37 for Plan users and ditto in relation to Variation 3.

c) Several of the amendments requested by submitters are not 'on' Change 3.

Decision# 16 Discharge field slope (Rule 37(eA) and Rule 27(dB))			
C3 Rule 37(eA)	**Rule 37(eA) discharge field slope**		
Sub#: 2	**Christison, Terry**		
5	No specific decision requested, but implies amending Rule 37(eA) so that it includes factors of size.		Accept in Part
Sub#: 3	**Effluent Management Systems Ltd**		
7	No specific decision requested, but implies amending Rule 37(eA) so permitted slope angle is more lenient than 15 degrees.		Accept in Part
Sub#: 6	**Hawke's Bay Regional Council**		
13	Delete Rule37(eA) and insert new specifications into Figure 6 for land treatment fields on slopes greater than 15 degrees.		Accept in Part
V3 Rule 27(dB)	**Rule 27(dB) discharge field slope**		
Sub#: 2	**Christison, Terry**		
6	No specific decision requested, but implies amending Rule 27(dB) so that it includes factors of size.		Accept in Part
Sub#: 3	**Effluent Management Systems Ltd**		
8	No specific decision requested, but implies amending Rule 27(dB) so permitted slope angle is more lenient than 15 degrees.		Accept in Part
Sub#: 6	**Hawke's Bay Regional Council**		
14	Delete Rule 27(dB) and insert new specifications into Schedule J for land treatment fields on slopes greater than 15 degrees.		Accept in Part

70. Rule 37(eA) be deleted and Figure 6 amended as set out in Appendix 1 to include design specifications in relation to slope.

71. Similar amendments to those above be made to Variation 3, as set out in Appendix 1.

72. ACCEPT IN PART submissions by:

Christison, Terry	2	5; 6
Effluent Management Systems Ltd	3	7; 8
Hawke's Bay Regional Council	6	13; 14

Reasons

a) Retaining Rule 37(eA) (and the equivalent condition in Variation 3) will potentially require a significant number of discharges that are currently permitted to be authorised by resource consent. This is not consistent with the intent of the change which is to create a risk based rule framework.

b) Including design specifications pertaining to wastewater discharge on slopes in Figure 6 and Schedule J will ensure that permitted discharges are appropriately designed for the topography in which they occur, without requiring a potentially large number of currently permitted discharges to obtain resource consents.

c) The amendments will assist the Council to ensure proper account is taken of the actual and potential effects of wastewater discharges occurring on sloping land.

Decision# 17	Property to volume ratio (Rule 37(eB) & Rule 27(dC))	
C3 Rule 37 Gen	**Rule 37 General**	
Sub#: 10	**Wairoa District Council**	
12	No specific decision requested, but implies general support for replacing minimum lot size conditions with a site area to wastewater volume ratio, but... suggests there is still some value in specifying lot sizes as a quick and simple determination of onsite wastewater servicing requirements.	Accept
C3 Rule 37(d)	**Rule 37(d) residential zoned land and aquifers**	
Sub#: 5	**Hastings District Council**	
1	Support proposed amendment of Rule 37(d) to remove reference to 'land zoned for residential purposes'.	Accept
C3 Rule 37(eB)	**Rule 37(eB) property to volume ratio**	
Sub#: 2	**Christison, Terry**	
7	No specific decision requested, but implies amending Rule 37(eB) so that it takes into account soil type and method of discharge.	Reject
Sub#: 3	**Effluent Management Systems Ltd**	
9	Amend Rule 37(eB) by adding an example for clarification purposes of how ratio to be calculated.	Reject
Sub#: 4	**Gunn, Ian**	
7	Amend Rule 37(eB) by increasing the permitted discharge volume ratio from 1m2/L/d to 1.5m2/L/d so condition reads "(dC) The ratio of net site area to discharge volume shall not be less than 1.5m2 per litre per day."	Accept
V3 Rule 27 Gen	**Rule 27 General**	
Sub#: 10	**Wairoa District Council**	
13	No specific decision requested, but implies general support for replacing minimum lot size conditions with a site area to wastewater volume ratio, but... suggests there is still some value in specifying lot sizes as a quick and simple determination of onsite wastewater servicing requirements.	Accept
V3 Rule 27(dC)	**Rule 27(dC) property to volume ratio**	
Sub#: 2	**Christison, Terry**	
8	No specific decision requested, but implies amending Rule 27(dC) so that it takes into account soil type and method of discharge.	Reject
Sub#: 3	**Effluent Management Systems Ltd**	
10	Amend Rule 27(dC) by adding an example for clarification purposes of how ratio to be calculated.	Reject
Sub#: 4	**Gunn, Ian**	
8	Amend Rule 27(dC) by increasing the permitted discharge volume ratio from 1m2/L/d to 1.5m2/L/d so condition reads "(dC) The ratio of net site area to discharge volume shall not be less than 1.5m2 per litre per day."	Accept

73. Rule 37(eB) be retained albeit with amendments as set out in Appendix 1.

74. Amend the advice note to Rule 37(eB) to reflect the changes to the condition.

75. Similar amendments to those above also be made to Variation 3, as set out in Appendix 1.

76.	ACCEPT submissions by:	Gunn, Ian	4	7; 8
		Hastings District Council	5	1
		Wairoa District Council	10	12; 13
77.	REJECT submissions by:	Christison, Terry	2	7; 8
		Effluent Management Systems Ltd	3	9; 10

Reasons

a) Amending the property to volume ratio is appropriate. The amendments to the property to volume ratio will assist in ensuring a greater 'dilution' of any wastewater discharged to the environment and potentially leaving a site, thus taking proper account of effects of wastewater discharges.

b) Specifying separate ratios for various soil types would be potentially confusing for Plan users and create uncertain regulation.

c) Specifying a minimum property size for permitted wastewater discharges from secondary (or better) treatment systems will provide a greater level of clarity and certainty for Plan users, as well as ensuring proper account of the actual and potential effects of on-site wastewater discharges to properties smaller than 1000m2 are assessed on their respective merits via a resource consent process.

d) Requiring compliance with a minimum property size and property to volume ratio for permitted wastewater discharges from secondary (or better) treatment systems will assist the Regional Council to fulfil its functions under the Resource Management Act, particularly ensuring proper account is taken of actual and potential effects of on-site wastewater discharges where there may be constraints or conflicting demand(s) for use of land within the property (for example, on properties larger than 1000m2 that also have potentially higher volumes of wastewater being discharged).

e) Requiring compliance with a minimum property size and property to volume ratio for permitted wastewater discharges from secondary (or better) treatment systems is the most appropriate means to achieve the plans' objectives and policies.

f) The advisory note already provides an explanation of how the net site area to discharge volume ratio can be calculated. Further explanation is unnecessary.

Decision# 18 Class 5 & 6 soils (Rule 37(nB) and Rule 27(mB))

C3 Rule 37(nB)		**Rule 37(nB) discharges in Class 5 or 6 soils**	
Sub#:	**1**	**Central Hawke's Bay District Council**	
	5	Implies that references to Category 5 soils be deleted from Rule37(nB).	Reject
Sub#:	**2**	**Christison, Terry**	
	9	No specific decision requested, but implies amending Rule37(nB) to permit secondary treated wastewater to be discharged into bed disposal systems.	Accept
Sub#:	**4**	**Gunn, Ian**	
	11	Amend Rule 37(nB) to read: "(nB) The discharge shall not be into a trench or bed land treatment system constructed in category 5 or 6 soil as defined by AS/NZS 1547."	Accept
V3 Rule 27(mB)		**Rule 27(mB) discharges to Class 5 or 6 soils**	
Sub#:	**1**	**Central Hawke's Bay District Council**	
	6	Implies that references to Category 5 soils be deleted from Rule 27(mB).	Reject
Sub#:	**2**	**Christison, Terry**	
	10	No specific decision requested, but implies amending Rule 27(mB) to permit secondary treated wastewater to be discharged into bed disposal systems.	Accept
Sub#:	**4**	**Gunn, Ian**	
	12	Amend Rule 27(mB) to read: "(mB) The discharge shall not be into a trench or bed land treatment system constructed in category 5 or 6 soil as defined by AS/NZS 1547."	Accept

78. Rule 37(nB) is retained, albeit with amendments as set out in Appendix 1.

79. Similar amendments to those above be made to Variation 3, as set out in Appendix 1.

80.	ACCEPT submissions by:	Gunn, Ian	4	11; 12
		Christison, Terry	2	9; 10
81.	REJECT submissions by:	Central Hawke's Bay District Council	1	5; 6

Reasons

a) Adding references to the Australia/New Zealand On-site wastewater standard will reduce confusion and ambiguity about what category 5 or 6 soils are.

b) The amendments will provide a greater level of clarity and certainty for Plan users.

c) Amending rules to permit secondary treated wastewater discharges into Class 5 or 6 soils will provide a more permissive rule framework, while still taking proper account of the actual and potential effects of the discharge.

d) Amending rules to remove references to Class 5 soils would not ensure proper account is taken of actual and potential effects of wastewater discharges.

Decision# 19	Raised beds	(Rule 37(qA) and Rule 27(pA))	
C3 Rule 37(qA)	**Rule 37(qA) discharges using raised beds**		
Sub#: 1	**Central Hawke's Bay District Council**		
7	Amend Rule 37(qA) so that use of raised beds is permitted if constructed by installers qualified in environmental wastewater design.	Reject	
Sub#: 2	**Christison, Terry**		
11	No specific decision requested, but implies Rule37(qA) be deleted.	Reject	
Sub#: 4	**Gunn, Ian**		
18	Amend Rule 37 (qA) to read: "(qA) The discharge shall not be into a raised bed except under specific design approval during building consent procedures."	Reject	
Sub#: 5	**Hastings District Council**		
4	Delete Rule 37(qA).	Reject	
Sub#: 10	**Wairoa District Council**		
7	No specific decision requested, but implies some clarification required if discharges by way of raised beds is the only option, but not allowed.	Reject	
V3 Rule 27(pA)	**Rule 27(pA) raised beds**		
Sub#: 1	**Central Hawke's Bay District Council**		
8	Amend Rule 27(pA) so that use of raised beds is permitted if constructed by installers qualified in environmental wastewater design.	Reject	
Sub#: 2	**Christison, Terry**		
12	No specific decision requested, but implies Rule 27(pA) be deleted.	Reject	
Sub#: 4	**Gunn, Ian**		
19	Amend Rule 27(pA) to read: "(pA) The discharge shall not be into a raised bed except under specific design approval during building consent procedures."	Reject	
Sub#: 5	**Hastings District Council**		
5	Delete Rule 27(pA).	Reject	
Sub#: 10	**Wairoa District Council**		
8	No specific decision requested, but implies some clarification required if discharges by way of raised beds is the only option, but not allowed.	Reject	

82. Rule 37(qA) be retained as notified.

83. Rule 27(pA) be retained as notified.

84. REJECT submissions by:

Central Hawke's Bay District Council	1	7; 8
Christison, Terry	2	11; 12
Gunn, Ian	4	18; 19
Hastings District Council	5	4; 5
Wairoa District Council	10	7; 8

Reasons

a) Raised beds require specific design. Relying on other processes, such as the Building Consent process, to ensure that they are adequately designed is not the most appropriate method. Before issuing a discharge permit, HBRC must be satisfied that the discharge will result in no more than a minor adverse effect on the environment, and without checking the design, which occurs during the resource consent process, the required level of certainty cannot be achieved.

b) Permitting discharges of wastewater using raised beds would not ensure proper account is taken of the typically complex range of actual and potential effects of those discharges.

c) Requiring a resource consent for raised beds achieves the Plans' objectives and policies, particularly those provisions relating to managing effects of on-site wastewater discharges on groundwater; and also provides the Regional Council with the ability to monitor the performance of raised beds, which is important for ensuring the ongoing efficient and effective operation of raised beds.

d) Requiring a resource consent for raised beds will ensure a greater degree of consistency across the region of protocols and procedures used to assess raised bed system design, construction, operation and maintenance, irrespective of varying practices by building consent authorities.

e) Permitting discharges of wastewater using raised beds would not ensure proper account is taken of the discharges' actual and potential effects on the environment over the design-life of those systems.

f) The Regional Council has had experience of problems arising from the construction, operation and limited maintenance of raised bed systems.

TOPIC 4 – MISCELLANEOUS MATTTERS

Decision# 20 Matters not within scope of Change 3 / Variation 3

Misc Sub C3 & V3		Miscellaneous submissions / submissions beyond scope of Change 3 & Variation 3	
Sub#:	7	Meredith, Ian	
	1	No specific decision requested, but implies that discharges currently allowed in accordance with Consent DP020080L be made a permitted activity, therefore the existing consent does not need renewing upon its expiry.	Reject
Sub#:	10	Wairoa District Council	
	11	No specific decision requested, but implies clarification required regarding when a dwelling becomes "permanently occupied" in the context of Rule 37(m)(ii) and Rule 27(l)(ii).	Reject
	14	No specific decision requested, but clarification required if separate plan changes (relating to growth management and infrastructure) currently being prepared by HBRC will mean further amendments to regional plans and consequential additional costs.	Reject
	15	No specific decision requested, but clarification required/comments provided regarding implementation of Change 3 and Variation 3 as follows: 1. Are changes consistent with other regional councils? Will the changes make application for, and assessment of, building consent proposals more consistent? 2. There will be a time and cost element to district councils to amend information brochures and wastewater assessment forms to ensure they are in line with Change 3 and Variation 3. 3. Is there an actual requirement for all on-site wastewater systems to be referred to HBRC, whether they are deemed permitted or not? 4. Will there be a lead-in time for those changes once adopted? 5. What will be the requirement on those systems that have already lodged building consent applications?	Reject
Sub#:	11	Williams, Derek	
	3	No specific decision requested but implies that all elected councillors within the Hawke's Bay region, who operate substandard unconsented onsite wastewater systems, should upgrade to modern compliant systems where reticulation is not available.	Reject
	4	That the submitter be advised of the outcome of HBRC's discussions with the District Heath Board at the water group meeting (regarding matters previously raised by the submitter in his other submissions to recent Council Annual Plan processes).	Reject
	5	That the District Health Board are committed to a 5 year study of contagious disease risks relating to septic tanks.	Reject
	6	That HBRC has discussions with Napier City Council regarding including Meeanee in any wastewater reticulation proposals for Jervoistown.	Reject
	7	That HBRC has discussions with Napier City Council on resuming Stages 2 and 3 of the suspended 3-Stage Bay View Wastewater Scheme.	Reject
	8	That HBRC requires the four main territorial authorities in Hawke's Bay to prepare lists of properties with on-site wastewater disposal systems.	Reject
	9	That the submitter be kept informed of HBRC's other [separate] plan change processes that are currently in progress relating to wastewater management.	Reject

85. Change 3 and Variation 3 not be amended as a result of submissions considered to be outside of the scope of Change 3 and Variation 3.

86. REJECT submissions by:

Meredith, Ian	7	1
Wairoa District Council	10	11; 14; 15
Williams, Derek	11	3; 4; 5; 6; 7; 8; 9

Reasons

a) The RMA requires submissions to be made "on" Change 3 and/or Variation 3. Any other submissions are beyond the scope of the Change and/or Variation.

b) Change 3 and/or Variation 3 cannot be lawfully amended to address the issues raised by submitters.

c) Change 3 and/or Variation 3 can only address issues associated with controlling discharges of contaminants (more precisely wastewater) and which sit within the purpose of regional plans as set by the RMA 1991.

d) A number of the matters raised can only be and are more appropriately addressed through other plan making and/or decision making processes undertaken by other agencies or Council, as deemed appropriate.

Decision# 21 Late submissions

87. That Council does not waive lateness of the following submission received after the 5:00pm 10 August 2011 submission deadline:

- Ian Cairns, PO Box 7302, Taradale, Napier 4141.

Reasons

a) The RMA presumes submissions will be lodged on time.

b) The subject matter of Mr Cairns' late submission is traversed in other submissions received on time.

c) Mr Cairns has had previous experience with local authority submission processes and furthermore, was personally given written notice of the public notification of Change 3 and Variation 3 based on his earlier involvement in drafting phases of the Change/Variation.

d) There were no exceptional circumstances why Mr Cairns did not lodge his submission before the deadline.

e) That by not waiving lateness of the submission, nothing is implied or stated that suggests content of Mr Cairns' late submission is accepted, accepted in part or rejected.

KEY:
Black underlined text represents text added by the Change;
~~Black strike-through text~~ represents text deleted by the Change;
Blue underlined text represents new text added by Council's decisions; &
~~Blue strike-through text~~ represents text deleted by Council's decisions.

COUNCIL DECISIONS – APPENDIX 1

Change 3: Amendments to rules of Regional Resource Management Plan

Rule	Activity	Classification	Conditions/Standards/Terms	Matters for Control/Discretion	Non-notification
35 ~~*Lawfully established*~~[1] Existing[1] ~~existing domestic *non-reticulated wastewater*~~ sewage systems	*Except as provided for by Rule 36,* ~~T~~the discharge of contaminants onto or into land, *and any ancillary discharge of contaminants into air,* from any existing ~~*lawfully established* domestic *non-reticulated wastewater*~~ sewage system~~. which existed prior to notification of this Plan.~~	Permitted	a. The rate of discharge shall not exceed 2 m^3/d, averaged over any 7 day period. b. The discharge shall not occur over the Heretaunga Plains unconfined aquifer as shown in Schedule Va. c. There shall be no surface ponding as a result of the discharge, or direct discharge into any water body. d. There shall be no increase in the concentration of pathogenic organisms in any surface water body as a result of the discharge. e. Either: i. The point of discharge shall be no less than 600 mm above the ~~winter~~ highest seasonal groundwater table; or ii. The discharge shall not result in, or contribute to, a breach of the "Drinking Water Quality Standards for New Zealand" (Ministry of Health, *2005 (Revised 2008)* ~~1995~~) in any groundwater body after reasonable mixing. f. The discharge shall not cause any emission of offensive or objectionable odour, or release of noxious or dangerous gases (including aerosols) beyond the boundary of the subject property. g. ~~For discharges from pit privies the privy shall be constructed in soil with an infiltration rate not exceeding 150 mm/h.~~ *Either:* *i. discharges from pit privies shall be from privies constructed in soil with a soil texture category of 2 to 6 as per AS/NZS 1547 that have an infiltration rate not exceeding 150 mm/h; or* *ii. all other discharges shall be into a ~~specifically designed and constructed~~ land treatment field that complies with the requirements specified in Figure 6.* h. Compliance with any conditions of a resource consent held for the activity ~~prior~~		

[1] *Any ~~lawfully established~~ existing ~~domestic non-reticulated wastewater~~ sewage system that is modified or replaced after 1 January 2012 is considered to be a 'new' system and must be assessed in accordance with Rule 37.*

NOTE: Rule 35 means that once the system has been lawfully established, the system's continued operation is permitted under this rule. No ongoing consent is required for the operation of lawfully established discharges provided the conditions of this rule are met.

Rule	Activity	Classification	Conditions/Standards/Terms	Matters for Control/Discretion	Non-notification
			~~to notification of this Plan~~. i. ~~A schedule and/or record of maintenance undertaken shall be forwarded to the HBRC on request.~~ *The wastewater treatment and land application system shall be maintained in accordance with the manufacturers' instructions, or if no manufacturer's instructions exist, in accordance with the best management practice as described in AS/NZS 1547~~:2000~~, or TP58: On-site Wastewater Systems: Design and Management Manual (Auckland Regional Council Technical Publication No. 58), or other alternative recognised on-site wastewater design manuals. A schedule of maintenance shall be kept, and this schedule shall be available for inspection by the Regional Council upon request.* *iA The discharge shall not be disposed of by way of spray irrigation.* ~~*iB. The discharge shall not be located upstream of a registered drinking water supply that provides at least 501 people with drinking water.*~~		
36 ~~*Lawfully established*~~[1] Existing *high discharge volume* ~~large scale domestic non-reticulated wastewater~~ sewage ~~disposal~~ systems *Refer to POL 16, 17, 18, 71, 75*	The discharge of contaminants onto or into land, *and any ancillary discharge of contaminants into air,* from any ~~*lawfully established* domestic *non-reticulated* existing *wastewater*~~ sewage ~~disposal~~ system *with a discharge volume exceeding 2m³/day averaged over any 7 day period*, ~~which existed prior to notification of this Plan, unless the discharge is allowed by Rule 35.~~	Restricted discretionary	a. The discharge shall not occur over the Heretaunga Plains *or Ruataniwha Plains* unconfined aquifer as shown in Schedule ~~V~~a *IV*. b. There shall be no surface ponding as a result of the discharge, or direct discharge into any water body. c. There shall be no increase in the concentration of pathogenic organisms in any surface water body as a result of the discharge. d. Either: i. The point of discharge shall be no less that 600 mm above the *highest seasonal* ~~winter~~ groundwater table; or ii. The discharge shall not result in, or contribute to, a breach of the "Drinking Water Quality Standards for New Zealand" (Ministry of Health, *2005* ~~1995~~ *(Revised 2008)*) in any groundwater body after reasonable mixing~~, or~~ e. The discharge shall not cause any emission of offensive or objectionable odour, or release of noxious or dangerous gases (including aerosols) beyond the boundary of the subject property.	a. Method of treatment. b. Method of disposal. c. Effluent application rate. d. Need for reserve area. e. Buffer zone requirements. f. Duration of consent. g. Review of consent conditions. h. Compliance monitoring *hA. Proximity to registered drinking water supplies* *hB. Maintenance of system*	

ADVISORY NOTE:

~~Soil infiltration rate – For the purpose of Rule 35 t(g) he soil type should not comprise gravels, coarse/medium sands, scoria, fissured rock, or other such materials likely to permit free travel of excreta residues away from the vault chamber.~~

Non compliance with rules - If all conditions of Rule 35, *36, or 37* ~~or Rule 37A~~ cannot be complied with then the activity is a discretionary activity under Rule 52.

Rule	Activity	Classification	Conditions/Standards/Terms	Matters for Control/Discretion	Non-notification
37 New[2] ~~domestic non-reticulated wastewater~~ sewage ~~disposal~~ systems ~~, including greywater disposal~~ *Refer POL 16, 71, 75*	*Except as provided for in Rule 35 or Rule 36, the discharge of contaminants (including greywater) onto or into land, and any ancillary discharge of contaminants into air, from a ~~domestic non-reticulated wastewater~~ new sewage system.* ~~The discharge of contaminants onto or into land from any domestic sewage including greywater established after notification of this Plan.~~	Permitted	a. Where the wastewater receives no more than ~~primary treatment, or~~ advanced primary treatment, the discharge shall be onto or into a property with a land area of no less than 2500 m^2. *aB. Where the wastewater receives more than advanced primary treatment ~~either~~then:* *i. the discharge shall be onto or into a property with a land area of no less than 1000 m^2; ~~or~~and* *ii. the net site area to discharge volume ratio shall not be less than 1.5 m^2 per litre per day [3].* b. The rate of discharge of ~~domestic~~ sewage (including greywater) shall not exceed 2 m^3/d, averaged over any 7 day period. c. The treatment and disposal system shall be designed to cater for the peak daily loading. d. The discharge shall not occur over the Heretaunga Plains *or Ruataniwha Plains* unconfined aquifer as shown in Schedule ~~va~~ *IV* ~~nor on any land zoned for residential activity in any Proposed or Operative District Plan,~~. e. The discharge *and land treatment field* shall not *be* ~~occur~~ within 20 m of any surface water body (including any stormwater open drain or roadside drain), or any tile drain or within 1.5 metres of any property boundary. *~~eA The discharge shall not occur on land with a slope of greater than 15 degrees (from the horizontal).~~* *eB ~~The proportion of net site area to discharge volume shall not be less than 1 m^2 per litre per day per discharge [4].~~* *eC. The system shall be designed and installed in accordance with the requirements specified in Figure 6.* f. There shall be no surface ponding as a result of the discharge, or direct discharge into any water body. g. The discharge shall be distributed evenly over the entire disposal area.		

ADVISORY NOTES:

[2] *New~~" domestic non-reticulated wastewater "~~ sewage systems include those systems installed after this Plan becomes operative, as well as those lawfully established ~~domestic non-reticulated wastewater~~ sewage systems that have been modified or replaced since 1 January 2012.*

[3] *The net site area to discharge volume ratio can be calculated by dividing the net site area by the expected daily wastewater volume. If the answer is less than 1.5, the discharge does not comply with this condition. E.g. A 1000 m^2 property with a three bedroom home on it with maximum daily discharge volume of 1200 L (6 people at 200 L/p/d) has a ratio of 0.83 (1000/1200). This discharge would not comply with this condition.*

Rule	Activity	Classification	Conditions/Standards/Terms	Matters for Control/Discretion	Non-notification
			h. There shall be no increase in the concentration of pathogenic organisms in any surface water body as a result of the discharge. i. *At the time of installation and commencement,* ~~T~~the discharge shall not occur within 30 m of any bore drawing groundwater from an unconfined aquifer into which any contaminant may enter as a result of the discharge. j. The point of discharge shall be no less than 600 mm above the *highest seasonal* ~~winter~~ groundwater table. k. The discharge shall not result in, or contribute to, a breach of the "Drinking Water Quality Standards for New Zealand" (Ministry of Health, *2005* ~~1995~~ *(Revised 2008)*) in any groundwater body after reasonable mixing. l. The discharge shall not cause any emission of offensive or objectionable odour, or release of noxious or dangerous gases (including aerosols) beyond the boundary of the subject property or on any public land. m. For discharges using pit privies ~~the long-drop method~~: i. the privy~~long-drop~~ shall be constructed in soil with an infiltration rate not exceeding 150 mm/h, and ii. the privy ~~long-drop~~ shall not be the primary wastewater system for any permanently occupied dwelling. n. The system shall be designed, constructed, operated and maintained in a manner which ensures that there is no clogging of the disposal system or soils. ~~*nA. The system shall be designed and installed in accordance with the requirements specified in Figure 6.*~~ *nB. The discharge shall not be into a trench or bed disposal system constructed in category 5 or 6[5] soil* ~~*unless*~~*except where wastewater receives at least secondary treatment.* o. Where the wastewater receives secondary treatment or better, the discharge shall not exceed 20 g/m^3 of BOD, and 30 g/m^3 of suspended solids. p. ~~The treatment and disposal system shall be maintained in accordance with the manufacturers' instructions and a schedule of maintenance shall be forwarded to the HBRC upon request.~~ *The wastewater treatment and land application system shall be maintained in accordance with the manufacturers' instructions, or if no manufacturer's*		

[5] *A category 5 soil is a light clay, permeability (K_{sat}) can range generally between 0.5 m/d (strongly structured) and <0.06 m/d (weakly structured or massive) and the soil is poorly drained. Clay content of approximately 35-40%. Category 6 soils are medium to heavy clays that are very poorly drained. The permeability of category 6 soils is generally less than 0.06 m/d. Clay content of over 40%.*

Rule	Activity	Classification	Conditions/Standards/Terms	Matters for Control/Discretion	Non-notification
			instructions exist, in accordance with the best management practice as described in AS/NZS 1547,~~:2000~~, or TP58: On-site Wastewater Systems: Design and Management Manual (Auckland Regional Council Technical Publication No. 58), or other alternative recognised on-site wastewater design manuals. ~~.~~ A schedule of maintenance shall be kept, and this schedule shall be available for inspection by the Regional Council upon request. q. The discharge shall not be disposed of by way of spray irrigation. *qA The discharge shall not be into a raised bed.* *~~qB. The discharge shall not be located upstream of a registered drinking water supply that provides at least 501 people with drinking water.~~*		

CHANGE 3: AMENDMENTS TO FIGURE 6 OF REGIONAL RESOURCE MANAGMENT PLAN

FIGURE 6: ~~Requirements for domestic non-reticulated~~Design specifications for ~~wastewater~~ sewage systems

6.1 Design Flow Allowances for ~~non-reticulated wastewater~~ sewage systems

Source	~~Typical~~ Minimum wastewater flow allowance in L/person/day	
	On-site roof water tank supply	Reticulated community/bore water supply
Households	~~140~~ 180	~~180~~ 200
Households (blackwater only)	~~50~~ 60	60
Households (greywater only)	90	120
Motels/hotels - Guests, resident staff - Non-resident staff - Reception rooms - Bar trade (per customer) - Restaurant (per diner)	 ~~140~~ 220 30 20-30 20 ~~20~~ 25-30	 ~~180~~ 220 ~~40~~ 30 20-30 ~~25~~ 20 25-30
Community halls - Banqueting - Meetings	 20 10	 30 15
~~Restaurants (per diner)~~ ~~- Dinner~~ ~~- Lunch~~	 ~~20~~ ~~15~~	 ~~30~~ ~~25~~
Tea rooms (per customer) -Without restroom facilities -With restroom facilities	 10 15	 15 25
School (pupils plus staff)	~~30~~ 15-30	~~40~~ 15-30
Rural factories, shopping centres	30	50
Camping grounds - fully serviced -recreation areas	 100 50	 130 65

NOTE: For the purposes of determining building occupancy, Hawke's Bay Regional Council adopts an occupancy of 2 people per room, excluding bathrooms, kitchens, laundries and any other room that cannot feasibility be used as a bedroom

6.2 Irrigation Systems

6.2.1 ~~Recommended~~ Maximum design irrigation ~~loading~~ rates for irrigation systems

Soil category	Soil texture	Design irrigation rate (mm/day~~week~~)
1	Gravels and sands	~~35 mm/wk (5 mm/d)~~
2	Sandy loams	~~35 mm/wk (5 mm/d)~~
3	Loams	~~28 mm/wk (4 mm/d)~~
4	Clay loams	~~25 mm/wk (3.57 mm/d)~~
5	Light clays	~~20 mm/wk (32.86 mm/d)~~
6	Medium to heavy clays	~~15 mm/wk (2.14 mm/d)~~

6.2.2 Design specifications for Irrigation systems

a) Irrigation lines placed on the surface shall be pinned to the surface and covered with at least 100 mm depth of media ~~cover~~
b) Subsurface irrigation lines shall be installed at a maximum depth of 200 mm below ground level and covered with at least 100 mm depth of cover
c) ~~Minimum~~ Maximum spacing ~~at least~~ of 600 mm in ~~sand~~ Category 1 and 2 soils and 1000 mm in all other soil categories ~~types~~, as defined by AS/NZS 1547
d) Secondary treated ~~W~~wastewater shall be applied evenly across the entire land treatment field
e) On sloping ground the design irrigation rate (DIR) shall be decreased to ensure that effluent migration down slope is taken up adequately within the top soil and plant root system. Required reductions according to slope are as follows:
   i) Flat slopes and up to 10% - no reduction;
   ii) 10% to 20% - reduction in DIR value of 20%
   iii) 20% to 30% - reduction in DIR value of 50%, and
   ~~i~~iv) >30% - specialist advice required

6.3 Trenches or Beds

6.3.1 ~~Recommended~~ Maximum design loading rates for trenches and beds

Soil category	Soil texture	Structure	Design loading rate		
			Primary treated effluent		Secondary treated effluent (mm/d)
			Conservative rate (mm/d)	Maximum rate (mm/d)	
1	Gravels and sands	Structureless	20 (see note 1)	35 (see note 1)	50 (see note 1)
2	Sandy loams	Weakly structured Massive	20 15	35 25	50 50
3	Loams	High/mod structure Weakly structured/massive	15 10	25 15	50 30
4	Clay loams	High/mod structure Weakly structured Massive	10 6 4	15 ~~10~~ 10 5	30 20 10
5	Light clays	Strongly structured Mod structured massive	Consent required – see Rule 37 (nb)	Consent required – see Rule 37 (nb)	Consent required – see Rule 37 (nb)
6	Medium to heavy clays	Strongly structured Mod structured massive	Consent required – see Rule 37 (nb)	Consent required – see Rule 37 (nb)	Consent required – see. Rule 37 (nb)

Note 1 The treatment capacity of the soil and not the hydraulic capacity of the soil or the growth of the clogging layer govern the effluent loading rate of category 1 soils Category 1 soils require special design

6.3.2 Design specifications for trenches or beds

a) Trenches must be at least 400 mm deep and 300 mm wide and have a depth of aggregate of 200 mm to 400 mm.
b) They ~~should~~ shall be no longer than 25 m long, and there must be a spacing of at least 1000 mm between adjacent trench walls
c) Beds must be at least 1000 mm wide, with a minimum spacing of 1000 mm between adjacent trench walls
d) Multiple distribution lines to be included where beds are more than 1.5 metres in width.
e) Both trenches and beds must be backfilled with distribution media and covered with a minimum 150 mm of topsoil
f) The discharge shall be pumped, or dosed in fixed quantities so that the wastewater is applied evenly across the entire land treatment field
g) Gravity drainage to trench and beds is not permitted unless a specifically designed siphon system is used to provide dose loading and distribution over the entire trench or bed area at any one time
~~f~~h) Trenches or beds shall not be constructed on slopes of greater than 15 degrees (approximately 27 % slope)

And make any necessary consequential amendments

CHANGE 3: AMENDMENTS TO GLOSSARY OF REGIONAL RESOURCE MANAGEMENT PLAN

Glossary

Add the following definitions:

Advanced primary treatment
in relation to the treatment of wastewater, means primary treatment with the addition of an effluent outlet solids control device (outlet filter).

AS/NZS 1547
means the Australian/New Zealand Standard for On-site domestic wastewater management, published 24 February 2012 and referred to as AS/NZS 1547:2012.

~~*Lawfully established*~~
~~*refers to an activity established lawfully either before or after this Plan was publicly notified and*~~
~~*a) either i) was a permitted activity or otherwise could have been lawfully carried out without a resource consent under this Plan or an earlier regional plan and*~~
~~*ii) the effects are the same or similar in character, intensity and scale to the effects that existed before this Plan was publicly notified and*~~
~~*iii) the activity has not been discontinued for a continuous period of more than 6 months since the Plan was publicly notified or*~~
~~*b)a) was granted a resource consent and that resource consent has now expired.*~~

Net site area (NSA)
means a single contiguous area of a property set aside for the exclusive use of its owners, leasees or tenants and shall exclude all common use areas, access lots or access strips and entrance strips.

~~*Non-reticulated wastewater system*~~
~~*means a system for the collection, treatment and disposal of wastewater. Treatment systems include basic septic tank units, alternative septic tank units, dry vault units (e.g. pit privies), wet vault (e.g. septic closet) systems for blackwater with separate greywater disposal (e.g. sullage tanks), aerated wastewater treatment systems, sand media and alternative filters, wetlands etc. Disposal systems include soakage trenches and beds, modified trench and bed systems relying in full or in part on evapo-transpiration, subsurface and surface irrigation systems, absorption wells/infiltration pits, and above ground treatment/disposal (fill and mound) systems.*~~

~~*See also definitions of 'blackwater', 'greywater', 'septic tank' and 'sewage'.*~~

On-site wastewater system
See" on-site sewage treatment system"

Raised bed
~~*in relation to non-reticulated wastewater systems,*~~ *means an area that wastewater is discharged into/onto that has been raised above surrounding ground level by the importation of additional soil/fill. For the purposes of this definition, raised beds include Wisconsin Mounds and ETA/ETS design where these are built up above the existing ground level.*

Wastewater
means all water or other liquid including waste matter in solution or suspension from any source which is to be discharged into a wastewater system. Wastewater includes sewage, greywater and blackwater.

Wastewater system
means a system for the collection, treatment and disposal of wastewater. It includes on-site sewage treatment systems, and reticulated wastewater systems.

Amend the following definitions:

On-site sewage treatment system

A system used for the ~~sewerage~~ collection, treatment and land application of ~~domestic household~~ wastewaters ~~disposal~~ within the boundary~~ies~~ of the same ~~ir~~ property title that generate that wastewater ~~of origin within the boundaries of their property or origin~~. Treatment systems include basic septic tank units, alternative septic tank units, dry vault units (e.g. pit privies), wet vault (e.g. septic closet) systems for blackwater with separate greywater disposal (e.g. sullage tanks), aerated wastewater treatment systems, sand media and alternative filters, wetlands etc. Disposal systems include soakage trenches and beds, modified trench and bed systems relying in full or in part on evapo-transpiration, subsurface and surface irrigation systems, absorption wells/infiltration pits, and above ground treatment/disposal (fill and mound) systems.

See also definitions of 'blackwater', 'greywater', 'septic tank' and 'sewage'.

Point of discharge

in relation to a drainage system, means the location in a system that the drainage system operator ceases to control the discharge to the environment.

in relation to ~~non-reticulated and reticulated~~ on-site sewage treatment ~~wastewater~~ systems, means the depth below or above ground level that a distribution line is placed, or if a trench or bed is used, the base of that trench or bed (not the depth at which the distribution line is placed within the trench or bed).

And make any necessary consequential amendments

VARIATION 3: AMENDMENTS TO RULES OF PROPOSED REGIONAL COASTAL ENVIRONMENT PLAN

Rule	Activity	Classification	Conditions/Standards/Terms	Matters for Control/Discretion	Non-notification
Rule 26 Existing ~~*Lawfully established domestic non-reticulated*~~ wastewater ~~disposal~~ systems[6]	The discharge of contaminants onto or into land, *and any ancillary discharge of contaminants into air*, in the Coastal Margin from any existing ~~*lawfully established domestic non-reticulated*~~ wastewater ~~disposal~~ system. ~~which existed prior to 15 April 2000~~	Permitted	a. The rate of discharge shall not exceed 2m^3/d, averaged over any 7 day period. b. There shall be no surface ponding as a result of the discharge, or direct discharge into the coastal marine area or any water body. c. There shall be no increase in the concentration of pathogenic organisms or faecal indicator bacteria in the coastal marine area or any surface water body as a result of the discharge. d. Either: i. The point of discharge shall be no less than 600 mm above the ~~winter~~ highest seasonal groundwater table, or ii. The discharge shall not result in, or contribute to, a breach of the *'Drinking Water Quality Standards for New Zealand'* (Ministry of Health, *2005* ~~2000~~ *(Revised 2008)*) in any groundwater body after reasonable mixing. e. The discharge shall not cause any emission of offensive or objectionable odour, or release of noxious or dangerous gases (including aerosols) beyond the boundary of the subject property. f. ~~For discharges from pit privies, the privy shall be constructed in the soil with an infiltration rate not exceeding 150 mm/h.~~ *Either:* *i. discharges from pit privies shall be from privy's constructed in soil with a soil texture category of 2 to 6 as per AS/NZS 1547 that have an infiltration rate not exceeding 150 mm/h; or* *ii. all other discharges shall be into a ~~specifically designed and constructed~~ land treatment field that complies with the requirements specified in Schedule J.* g. Compliance with any conditions of a resource consent held for the activity ~~prior to notification of this Plan~~. h. ~~A schedule and/or record of maintenance undertaken shall be forwarded to the HBRC on request.~~		

[6] *Any ~~lawfully established domestic non-reticulated~~ existing wastewater system modified or replaced after 1 January 2012 is considered to be a 'new' system and must be assessed in accordance with Rule 27.*

NOTE Rule 26 means that once the system has been lawfully established, the system's continued operation is permitted under this rule. No ongoing consent is required for the operation of lawfully established discharges provided the conditions of this rule are met.

Rule	Activity	Classification	Conditions/Standards/Terms	Matters for Control/Discretion	Non-notification
			The wastewater treatment and land application system shall be maintained in accordance with the manufacturers' instructions, or if no manufacturer's instructions exist, in accordance with the best management practice as described in AS/NZS 1547:~~2000~~, or TP58: On-site Wastewater Systems: Design and Management Manual (Auckland Regional Council Technical Publication No. 58), or other alternative recognised on-site wastewater design manuals.~~.~~ A schedule of maintenance shall be kept, and this schedule shall be available for inspection by the Regional Council upon request. *hA The discharge shall not be disposed of by way of spray irrigation.* ~~*hB The discharge shall not be located upstream of a registered drinking water supply that provides at least 501 people with drinking water.*~~		
Rule 27 New[7] ~~domestic non-reticulated~~ wastewater systems	*Except as provided for by Rule 26 or Rule 28, the* discharge of contaminants *(including greywater)* onto or into land, *and any ancillary discharge of contaminants into air,* in the Coastal Margin from any *new*[8] ~~domestic non-reticulated~~ wastewater ~~disposal~~ *~~treatment~~* system *(including greywater)* ~~*established after 15 April 2000.*~~	Permitted	b. The rate of discharge of ~~domestic~~ sewage (including greywater) shall not exceed 2 m^3/d, averaged over any 7 day period. c. ~~The discharge shall not be onto or into a property with a land area less than 1500 m2 except:~~ Where the wastewater receives no more than ~~primary treatment or~~ advanced primary treatment, the discharge shall not be onto or into a property with a land area less than 2500 m^2. *cA. Where the wastewater receives more than advanced primary treatment ~~either~~then:* *i. the discharge shall be onto or into a property with a land area of no less than 1000 m^2; ~~or~~and* *ii. the net site area to discharge volume ratio shall not be less than 1.5 m^2 per litre per day [9].* d. The discharge *and land treatment field* shall not *be* ~~occur~~ within: i. 20 m of any surface water body (including any stormwater open drain or roadside drain) or ii. 20 m of any tile drain or iii. 20 m of the coastal marine area or ~~iv. 30 m of any bore drawing groundwater from an unconfined aquifer into which~~		

[7] *"New" ~~domestic non-reticulated~~ wastewater systems include those systems installed after this rule becomes operative, as well as those lawfully established ~~domestic non-reticulated~~ wastewater systems that have been modified or replaced since 1 January 2012.*

[9] *The net site area to discharge volume ratio can be calculated by dividing the net site area by the expected daily wastewater volume. If the answer is less than 1.5, the discharge does not comply with this condition. E.g. A 1000 m^2 property with a three bedroom home on it with maximum daily discharge volume of 1200 L (6 people at 200 L/p/d) has a ratio of 0.83 (1000/1200). This discharge would not comply with this condition.*

Rule	Activity	Classification	Conditions/Standards/Terms	Matters for Control/Discretion	Non-notification
			~~any contaminant may enter as a result of the discharge or~~ iv. 1.5 m of any property boundary. *dA At the time of installation and commencement, the discharge shall not occur within 30 m of any bore drawing groundwater from an unconfined aquifer into which any contaminant may enter as a result of the discharge.* ~~*dB The discharge shall not occur on land with a slope of greater than 15 degrees (from the horizontal).*~~ ~~*dC The proportion of net site area to discharge volume shall not be less than 1 m^2 per litre per day per discharge*~~ [10]. *dD The system shall be designed and installed in accordance with the requirements specified in Schedule J.* ~~e. Disposal fields must not be located within:~~ ~~i. 20 m of any surface water body (including any stormwater open drain or roadside drain) or~~ ~~ii. 20 m of any tile drain or~~ ~~iii. 20 m of the coastal marine area or~~ ~~iv. 30 m of any bore drawing groundwater from an unconfined aquifer into which any contaminant may enter as a result of the discharge~~ ~~v. 1.5 metres of the property boundary~~ f. There shall be no surface ponding as a result of the discharge, or direct discharge into the coastal marine area or any water body. g. The discharge shall be distributed evenly over the entire disposal area. h. There shall be no increase in the concentration of pathogenic organisms or faecal indicator bacteria in the coastal marine area or any surface water body as a result of the discharge. i. The *point of* discharge *shall be no less than* ~~be able to infiltrate through at least~~ 600 mm *above the highest seasonal groundwater table* ~~of unsaturated soil~~. j. The discharge shall not result in, or contribute to, a breach of the 'Drinking Water Quality Standards for New Zealand' (Ministry of Health, *2005* ~~2000~~ *(Revised 2008)*) in any groundwater body after reasonable mixing. k. The discharge shall not cause any emission of offensive or objectionable odour, or release of noxious or dangerous gases (including aerosols), beyond the boundary		

Rule	Activity	Classification	Conditions/Standards/Terms	Matters for Control/Discretion	Non-notification
			of the subject property or on any public land. l. For discharges using pit privies ~~the long-drop method~~: i. the privy ~~long-drop~~ shall be constructed in soil with an infiltration rate not exceeding 150 mm/h and ii. the privy ~~long drop~~ shall not be the primary wastewater system for any permanently occupied dwelling. m. The system shall be designed, constructed, operated and maintained in a manner which ensures that there is no clogging of the disposal system or soils. ~~*mA The system shall be designed and installed in accordance with the requirements specified in Schedule J.*~~ *mB The discharge shall not be into a trench or bed disposal system constructed in category 5 or 6[11] soil ~~unless~~except wastewater receives at least secondary treatment.* n. Where the wastewater receives secondary treatment or better, the discharge shall not exceed 20 g/m^3 of BOD, and 30 g/m^3 of suspended solids. o. ~~The treatment and disposal system shall be maintained in accordance with the manufacturer's instructions and a schedule of maintenance shall be forwarded to the HBRC upon request.~~ *The wastewater treatment and land application system shall be maintained in accordance with the manufacturers' instructions, or if no manufacturer's instructions exist, in accordance with the best management practice as described in AS/NZS 1547~~:2000.~~, or TP58: On-site Wastewater Systems: Design and Management Manual (Auckland Regional Council Technical Publication No. 58), or other alternative recognised on-site wastewater design manuals. A schedule of maintenance shall be kept, and this schedule shall be available for inspection by the Regional Council upon request.* p. The discharge shall not be disposed of by way of spray irrigation. *pA The discharge shall not be into a raised bed.* ~~*pB The discharge shall not be located upstream of a registered drinking water supply that provides at least 501 people with drinking water.*~~		

[11] *A category 5 soil is a light clay, permeability (K_{sat}) can range generally between 0.5 m/d (strongly structured) and <0.06 m/d (weakly structured or massive) and the soil is poorly drained. Clay content of approximately 35-40%. Category 6 soils are medium to heavy clays that are very poorly drained. The permeability of category 6 soils is generally less than 0.06 m/d. Clay content of over 40%.*

Rule	Activity	Classification	Conditions/Standards/Terms	Matters for Control/Discretion	Non-notification
Rule 28 Existing ~~*Lawfully established*~~ high discharge ~~rate~~ *volume* ~~domestic~~ *non-reticulated* wastewater ~~disposal~~ systems[4]	The discharge of contaminants onto or into land, *and any ancillary discharge of contaminants into air,* in the Coastal Margin from any existing ~~*lawfully established domestic non-reticulated*~~ wastewater ~~disposal~~ system ~~which existed prior to notification of this Plan,~~ with a rate of discharge exceeding 2m^3/day averaged over any 7 day period.	Restricted discretionary	a. There shall be no surface ponding as a result of the discharge, or direct discharge into the coastal marine area or any water body. b. There shall be no increase in the concentration of pathogenic organisms or faecal indicator bacteria in the coastal marine area, any groundwater system or any surface water body as a result of the discharge. c. Either: i. The point of discharge shall be no less than 600mm ~~above the winter groundwater table~~ above the highest seasonal groundwater table, or ii. The discharge shall not result in, or contribute to, a breach of the 'Drinking Water Quality Standards for New Zealand' (Ministry of Health, *2005* ~~2000~~ *(Revised 2008)*) in any groundwater body after reasonable mixing. d. The discharge shall not cause any emission of offensive or objectionable odour, or release of noxious or dangerous gases (including aerosols), beyond the boundary of the subject property.	a. Method of treatment b. Method of disposal c. Effluent application rate d. Need for reserve area e. Buffer zone requirements *eA Maintenance of system* *eB. Proximity to registered drinking water supplies* f. Matters in Chapter 26.4	Except where an applicant requests or where special circumstances exist, an application will not be publicly notified, but HBRC will require notice of an application to be served on all affected persons (if any), unless all affected persons have provided their written approval.

And make any necessary consequential amendments

VARIATION 3: AMENDMENTS TO SCHEDULE J OF PROPOSED REGIONAL COASTAL ENVIRONMENT PLAN

Schedule J: ~~Requirements for domestic non-reticulated~~ Design specifications for wastewater systems

J1 Design Flow Allowances for ~~non-reticulated~~ wastewater systems

Source	~~Typical~~ Minimum wastewater flow allowance in L/person/day	
	On-site roof water tank supply	Reticulated community/bore water supply
Households	~~140~~ 180	~~180~~ 200
Households (blackwater only)	~~50~~ 60	60
Households (greywater only)	90	120
Motels/hotels - Guests, resident staff - Non-resident staff - Reception rooms - Bar trade (per customer) - Restaurant (per diner)	 ~~140~~ 220 30 20-30 20 ~~20~~ 25-30	 ~~180~~ 220 ~~40~~ 30 20-30 ~~25~~ 20 25-30
Community halls - Banqueting - Meetings	 20 10	 30 15
~~Restaurants (per diner)~~ ~~- Dinner~~ ~~- Lunch~~	 ~~20~~ ~~15~~	 ~~30~~ ~~25~~
Tea rooms (per customer) -Without restroom facilities -With restroom facilities	 10 15	 15 25
School (pupils plus staff)	~~30~~ 15-30	~~40~~ 15-30
Rural factories, shopping centres	30	50
Camping grounds - fully serviced -recreation areas	 100 50	 130 65

NOTE: For the purposes of determining building occupancy, Hawke's Bay Regional Council adopt an occupancy of 2 people per room, excluding bathrooms, kitchens, laundries and any other room that cannot feasibility be used as a bedroom

J2 Irrigation Systems

J2.1 ~~Recommended~~ Maximum design irrigation ~~loading~~ rates for irrigation systems

Soil category	Soil texture	Design irrigation rate (mm/day ~~week~~)
1	Gravels and sands	~~35 mm/wk~~ (~~5 mm/d~~)
2	Sandy loams	~~35 mm/wk~~ (~~5 mm/d~~)
3	Loams	~~28 mm/wk~~ (~~4 mm/d~~)
4	Clay loams	~~25 mm/wk~~ (~~3.57 mm/d~~)
5	Light clays	~~20 mm/wk~~ 3 ~~(2.86 mm/d)~~
6	Medium to heavy clays	~~15 mm/wk~~ (~~2.14 mm/d~~)

J2.2 Design specifications for Irrigation systems

a) Irrigation lines placed on the surface shall be pinned to the surface and covered with at least 100 mm depth of media ~~cover~~

b) Subsurface irrigation lines shall be installed at a maximum depth of 200 mm below ground level and covered with at least 100 mm depth of cover

c) ~~Minimum~~ Maximum spacing of ~~at least~~ 600 mm in Category 1 and 2 soils ~~sand~~ and 1000 mm in all other soil ~~types~~ categories, as defined in AS/NZS 1547

d) Secondary treated w~~W~~astewater shall be applied evenly across the entire land treatment field

e) On sloping ground the design irrigation rate (DIR) shall be decreased to ensure that effluent migration down slope is taken up adequately within the top soil and plant root system. Required reductions according to slope are as follows:

i) Flat slopes and up to 10% - no reduction;

ii) 10% to 20% - reduction in DIR value of 20%

iii) 20% to 30% - reduction in DIR value of 50%, and

iv) >30% - specialist advice required

J3 Trenches or Beds

J3.1 ~~Recommended~~ Maximum design loading rates for trenches and beds

Soil category	Soil texture	Structure	Design loading rate		
			Primary treated effluent		Secondary treated effluent (mm/d)
			Conservative rate (mm/d)	Maximum rate (mm/d)	
1	Gravels and sands	Structureless	20 (see note 1)	35 (see note 1)	50 (see note 1)
2	Sandy loams	Weakly structured Massive	20 15	35 25	50 50
3	Loams	High/mod structure Weakly structured/massive	15 10	25 15	50 30
4	Clay loams	High/mod structure Weakly structured Massive	10 6 4	~~10~~ 15 10 5	30 20 10
5	Light clays	Strongly structured Mod structured massive	Consent required – see Rule 37 (nb)	Consent required – see Rule 37 (nb)	Consent required – see Rule 37 (nb)
6	Medium to heavy clays	Strongly structured Mod structured massive	Consent required – see Rule 37 (nb)	Consent required – see Rule 37 (nb)	Consent required – see. Rule 37 (nb)

NOTE 1: The treatment capacity of the soil and not the hydraulic capacity of the soil or the growth of the clogging layer govern the effluent loading rate of category 1 soils Category 1 soils require special design

J3.2 Design specifications for trenches or beds

a) Trenches must be at least 400 mm deep and 300 mm wide and have a depth of aggregate of 200 mm to 400 mm.
b) They ~~should~~ shall be no longer than 25 m long, and there must be a spacing of at least 1000 mm between adjacent trench walls
c) Beds must be at least 1000 mm wide, with a minimum spacing of 1000 mm between adjacent trench walls
d) Multiple distribution lines to be included where beds are more than 1.5 metres in width.
e) Both trenches and beds must be backfilled with distribution media and covered with a minimum 150 mm of topsoil
f) The discharge shall be pumped, or dosed in fixed quantities so that the wastewater is applied evenly across the entire land treatment field
g) Gravity drainage to trench and beds is not permitted unless a specifically designed siphon system is used to provide dose loading and distribution over the entire trench or bed area at any one time
h) Trenches or beds shall not be constructed on slopes of greater than 15 degrees (approximately 26 % slope)

And make any necessary consequential amendments

VARIATION 3: AMENDMENTS TO GLOSSARY OF PROPOSED REGIONAL COASTAL ENVIRONMENT PLAN

Glossary

Add the following definitions:

Advanced primary treatment
in relation to the treatment of wastewater, means primary treatment with the addition of an effluent outlet solids control device (outlet filter).

AS/NZS 1547
means the Australian/New Zealand Standard for On-site domestic wastewater management, published 24 February 2012 and referred to as AS/NZS 1547:2012.

Net site area (NSA)
means a single contiguous area of a property set aside for the exclusive use of its owners, leasees or tenants and shall exclude all common use areas, access lots or access strips and entrance strips.

Raised bed
~~in relation to non-reticulated wastewater systems~~ means an area that wastewater is discharged into/onto that has been raised above surrounding ground level by the importation of additional soil/fill. For the purposes of this definition, raised beds include Wisconsin Mounds and ~~ETS~~ETA/ETS design where these are built up above the existing ground level.

Wastewater system
means a system for the collection, treatment and disposal of wastewater. It includes on-site wastewater disposal systems and reticulated wastewater systems.

Amend the following definitions:

~~Non-reticulated wastewater system~~
~~means a system for the collection, treatment and disposal of wastewater within the property boundaries of the wastewaters' origin. Treatment systems include basic septic tank units, alternative septic tank units, dry vault units (e.g. pit privies), wet vault (e.g. septic closet) systems for blackwater with separate greywater disposal (e.g. sullage tanks), aerated wastewater treatment systems, sand media and alternative filters, wetlands etc. Disposal systems include soakage trenches and beds, modified trench and bed systems relying in full or in part on evapo-transpiration, subsurface and surface irrigation systems, absorption wells/infiltration pits, and above ground treatment/disposal (fill and mound) systems.~~

On-site wastewater disposal system
Means a system for the collection, treatment and land application ~~of disposal~~ of domestic wastewater within the boundary of the same property title that generates that wastewater ~~within the property boundaries of the wastewaters' origin~~. Treatment systems include basic septic tank units, alternative septic tank units, dry vault units (e.g. pit privies), wet vault (e.g. septic closet) systems for blackwater with separate greywater disposal (e.g. sullage tanks), aerated wastewater treatment systems, sand media and alternative filters, wetland etc. Disposal systems include soakage trenches and beds, modified trench and bed systems relying in full or in part on evapo transpiration, subsurface and surface irrigation systems, absorption wells/infiltration pits, and above ground treatment/disposal (fill and mound) systems.

Point of discharge
in relation to a drainage system, means the location in a system that the drainage system operator ceases to control the discharge to the environment.
in relation to ~~non-reticulated and reticulated~~ on-site wastewater disposal systems, means the depth below or above ground level that a distribution line is placed, or if a trench or bed is used, the base of that trench or bed (not the depth at which the distribution line is placed within the trench or bed).

And make any necessary consequential amendments

Index of Submitters and Decision number(s)

		Change 3 & Variation 3 (General)	Terminology used in rules	'Advanced Primary Treatment' definition	Definitions for non-reticulated and on-site systems	'Raised bed' definition	Ruataniwha Plains aquifer mapping	Community drinking water supplies	Spray irrigation	System maintenance	Figure 6 and Schedule J (General)	Figure 6.1 and Schedule J1	Figure 6.2 and Schedule J2	Figure 6.3 and Schedule J3	Disposal field designs	Rule 37 and Rule 27 (General)	Discharge field slope	Property to volume ratio	Class 5 and 6 soils	Raised beds	Matters not within scope of Change 3 / Variation 3	Late submissions
Sub#	**⇩Submitter Name / Decision # ⇨**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**
1	Central Hawke's Bay District Council			✓		✓				✓			✓	✓		✓			✓	✓		
2	Terry Christison						✓	✓	✓				✓	✓			✓	✓	✓	✓		
3	Effluent Management Systems Ltd						✓			✓	✓			✓			✓	✓				
4	Ian Gunn	✓		✓	✓					✓		✓	✓	✓	✓	✓		✓	✓	✓		
5	Hastings District Council											✓						✓		✓		
6	Hawke's Bay Regional Council		✓		✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓				✓	
7	Ian Meredith																				✓	
8	Napier City Council	✓																				
9	Susan & Stephen Rogerson									✓												
10	Wairoa District Council				✓	✓		✓										✓		✓	✓	
11	Derek Williams	✓																			✓	
12	Ian Cairns (late)																					✓