

# APPLICATION FOR RESOURCE CONSENT

# FORM B: FARM DAIRY

# WASTEWATER DISCHARGE



## NOTES

Resource use activities must meet all the conditions of any relevant Permitted Activity Rules in the Waikato Regional Plan or a resource consent from the Waikato Regional Council is required. This form will help you apply for a resource consent.

- You must fully complete this activity form and supply all the required information. Provide as much detail as you can where the questions are relevant to your activity. We request that, where possible, you provide electronic copies of any supporting information (for example, on CD). Doing so may reduce administrative costs charged to you.
- You must also supply completed Forms A and C.
- Unless we advise otherwise, you should also consult with any person or party who may be interested in or affected by your proposal. You should provide details of this consultation, including written approval from these parties if possible.
- **You must pay the required initial deposit when you submit this consent application.**
- Failure to provide the required information and payment will delay the processing of your application. If you do not provide adequate information then we will not be able to process your application, and will return it to you. If you do not pay the required fees, we may stop processing your application until payment is received.

FOR OFFICE USE ONLY	
File:	
Client ID:	
Project:	

If you need any further help,  
please phone our Resource Use  
staff on 0800 800 401.

## LOCATION

### 1. Farm dairy supply number

### 2. If known, please supply relevant map coordinates of the activity or activities, preferably as New Zealand Transverse Mercator 2000 (NZTM2000 references). These locations must also be clearly identified on the location map you have supplied with Form A

## NATURE OF THE ACTIVITY

### 3. Maximum number of cows milked/or to be milked

### 4. Maximum volume of effluent to be discharged and rate of discharge.

To estimate the volume we suggest you calculate the number of cows x 50 litres per day. For example, 100 cows produce 5,000 litres (5 cubic metres) of effluent per day. Please explain if a different estimate or method is used.

**5. Describe any other sources of effluent on the farm:**

feed pads

stand off pads

other – please give details

**6. Describe the frequency and intensity of use of other effluent sources (number of days used, hours per day used, number of cows)**

**TREATMENT SYSTEM**

**7. Method of treatment:**

advanced pond system

oxidation ponds

barrier ditches

other – please give details

**8. Are other sources of effluent (feedpad, for example) treated by the same system?**

If no, explain how other sources of effluent on the farm are treated

**9. When were your treatment ponds or ditches constructed?**

**10. What are they constructed out of? (For example sand, loam, silt, peat, clay or concrete and any liner materials.)**

**11. Provide the dimensions of your ponds or ditches:**

	LENGTH	WIDTH	DEPTH
1.	m	m	m
2.	m	m	m
3.	m	m	m
4.	m	m	m
5.	m	m	m

**12. How often is the treatment system (ponds/ditches) desludged?**

**13. When was the treatment system last desludged?**

**14. How and where is the sludge treated/disposed of?**

**15. Do you consider there is any seepage from the ponds to ground water or ground water intrusion into the ponds?** (For example, do the ponds have a hole or leak, or contain a spring.)

Yes

No

If yes, please give details

**16. Is there a discharge from the pond system all year round?**

Yes or usually

No, the ponds never or very rarely discharge

If yes or usually, please detail the months when discharge does not generally occur

## MITIGATION

### 17. Have you reduced the volume of your discharge?

Yes

No

If yes, how did you reduce your volume of discharge (for example, re-use of wastewater for yard wash down, reduced number of cows, reduced milking frequency)?

### 18. Do you scrape your yard before washing down?

Yes

No

### 19. Is roof and yard stormwater from the dairy premises diverted away from the ponds?

Yes

No

Part of the year, explain:

### 20. Is all surface water runoff from surrounding land diverted away from the ponds?

Yes

No

### 21. In addition to desludging, do you irrigate effluent onto land during summer/dry periods?

Yes

No

How often?

### 22. Have you undertaken riparian management of the receiving water (for example stream fencing, stream bank planting, wetland creation)?

### 23. Other measures taken to reduce impacts of the discharge

## DESCRIPTION OF THE RECEIVING ENVIRONMENT

**24. What is the name of the nearest flowing river, stream or lake (waterbody) to your effluent discharge point?**

**25. If the discharge from the ponds does not directly enter this waterbody, does it enter an internal farm drain/stream?**

Yes       No

**26. If yes, please describe the drain:**

width	m	depth	m
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always flows/contains water       usually flows/contains water  
 rarely flows/contains water       never flows/contains water

What kind of vegetation is in the drain?

How far does the discharge travel before entering the main waterbody in question 24?

**27. Does the receiving waterbody eventually discharge into the Hauraki Gulf Marine Park?**

This is any waterbody that discharges into sea from anywhere on the Coromandel Peninsula or into the Hauraki Gulf (such as the Waihou and Piako rivers and all their tributaries).

Yes       No

**28. Does the receiving waterbody eventually discharge into the Waikato River?**

Yes       No

**29. What is the water clarity in this waterbody under normal flow conditions:**

crystal clear (you could see your feet even if you were up to your neck in it)  
 clear (you could see your feet only if you were waist deep)  
 cloudy (you could see your feet only if you were knee deep)  
 very cloudy (you could see your feet only if you were ankle deep)  
 muddy (you cannot see feet if you were ankle deep).

**30. What is the bed of the waterbody like:**

hard rock  
 gravels and sands  
 mud  
 sands and silt  
 boulders and large stones  
 other, please describe:

**31. What kind of vegetation is on the banks of the waterbody:**

- native bush
- native trees
- blackberry/broom/other exotic weeds
- grass
- other, please describe:

**32. Is this waterbody used for trout fishing?**

- Yes
- No
- Unknown

**33. Is this waterbody used for whitebaiting?**

- Yes
- No
- Unknown

**34. Is this waterbody used for other recreational activities?**

- Yes
- No
- Unknown

If yes, please list activities:

## ASSESSMENT OF EFFECTS ON THE ENVIRONMENT

A discharge into water may have some or all of the following effects.

- The nutrients in the discharge can increase weed growth in streams and drains. The weed growth can cause blockages in watercourses and water pump intakes.
- Components of the discharge can lead to low oxygen and increased ammonia and bacteria concentrations in the water. This can harm or be toxic to aquatic plants and wildlife. It can also cause the water to become unsuitable for many purposes, including stock watering, irrigation and recreational activities.
- Suspended solids from the discharge may reduce water clarity and smother aquatic plants and other stream life.

These effects will be most significant:

- in drains and streams leading into lakes
- during summer dry periods when water flows are at their lowest
- in very slow moving water bodies and areas of ponded water
- in very small streams
- in areas of intensive farming.

### **35. What is the colour of your effluent where it discharges from the last pond/ditch?**

### **36. Are there algal growths/mats at or downstream of the discharge point?**

### **37. Is there a noticeable change in the colour or clarity of the receiving water as a result of your discharge?**

### **38. Are there any obvious effects on stream life (for example, dead/distressed plants, fish or eels)?**

### **39. Are there solids or sludge in the receiving drain or watercourse?**

### **40. What are you doing to avoid, remedy or lessen the above effects of your discharge?**

### **41. How do/will you monitor the effects of your activity? For example, routine inspections and maintenance, water quality monitoring.**

### **42. Provide copies of any additional information you may have about the effects of your activity on the receiving environment, such as photographs, monitoring data or recent compliance reports.**

## ALTERNATIVES

Effluent wastewater discharges to water are likely to adversely affect stream life, recreational activities and the cultural value of the waterbody. In most situations, the discharge of effluent to land is preferred over the discharge to water. Farm dairy effluent that is spread or irrigated onto pasture does not require resource consent, as long as the effluent management system and discharge comply with the conditions of Permitted Activity Rule 3.5.5.1 at all times.

### 43. Have you considered discharging farm dairy wastewater to land?

Yes  No

### 44. Have you consulted an effluent professional regarding a system suitable for your farm?

Yes  No

### 45. When do you propose to adopt a full land based disposal system to irrigate effluent onto land (permanent on-farm system, permanent services of effluent contractor, for example)?

Next season  1 year  2 years  Other (please specify below)

If you do not intend to adopt a full land base disposal system, please provide an explanation why this is not possible (such as soil types, surface and subsurface drainage network, topography).

### 46. Have you considered any other alternatives for the discharge (irrigation during part of year, such as summer/dry periods)?

Yes  No

Please explain

### 47. Have you considered additional treatment of effluent (such as advanced treatment ponds, aeration, wetlands)?

Yes  No

Please explain

### 48. When do you propose to apply the additional treatment?

Next season  1 year  2 years

## CONSULTATION

As a minimum, you should consult with:

- your immediate downstream neighbour/s
- local iwi and/or Maori groups (hapu, marae).

In addition, you should identify and consult with any other parties that may be potentially affected by or interested in your discharge activity. These parties may include:

- interest groups such as Fish and Game
- local recreational and care groups
- local health authorities
- district councils.

If you are in doubt about who you should be talking to, then call the Waikato Regional Council's staff.

Make sure you provide everyone with sufficient information that they can fully understand what it is you want to do and how they may be affected by it. This could include a copy of this application form once it is completed and and/or any plans or maps. Make sure you make yourself available to explain the application, answer any questions and discuss options for resolving any concerns.

### 49. Identify the parties that may be affected by or interested in your discharge activity and consent application

<b>Party details/relationship</b> <i>(such as neighbour, local iwi, interest group)</i>		
<b>Contact person</b>		
<b>Postal address</b>		
<b>Phone number/s</b>	Home:	Business:
	Mobile:	

<b>Party details/relationship</b> <i>(such as neighbour, local iwi, interest group)</i>		
<b>Contact person</b>		
<b>Postal address</b>		
<b>Phone number/s</b>	Home:	Business:
	Mobile:	

<b>Party details/relationship</b> <i>(such as neighbour, local iwi, interest group)</i>		
<b>Contact person</b>		

<b>Postal address</b>		
<b>Phone number/s</b>	Home:	Business:
	Mobile:	

**Other affected or interested parties**

**50. Provide details of your consultation**

Provide details about the consultation you have undertaken, or explain why consultation was not considered necessary. If possible you should provide written comment or approval from those you have identified. A consultation form is provided at the end of this form that will help you with this. Photocopy off a separate form for each party identified. Otherwise, make sure you let us know:

- who you consulted with
- how we can contact these people
- their relationship to you (for example, neighbour, local iwi, interest group)
- any concerns they may have about your activity, and how you intend to avoid or mitigate (lessen) these effects.

**FINAL CHECKLIST**

**51. Have you? (please tick)**

- Filled in all parts of this form (Form B) that are relevant to your activity, provided all the information required, and completed and attached any other related activity forms.
- Completed and attached Forms A and C.
- Applied for any district council consents that are also required for your proposal.
- Consulted with all interested and affected parties, and included their comments and/or written approval (if possible).
- Included or paid the required deposit fee for this application.

# CONSULTATION FORM

**PHOTOCOPY THIS FORM FOR EACH PERSON OR GROUP TO BE CONSULTED**

<b>Applicant</b>	
<b>Description of proposal</b>	

**Person/group consulted in regard to this proposal**

<b>Name of contact person</b>	
<b>Name of group</b>	
<b>Postal address</b>	
<b>Street address</b>	
<b>Email address</b>	
<b>Contact number/s</b>	phone:

**Consulted party's views on the proposal (to be completed by person/group consulted)**

If you would like the Waikato Regional Council to know your views on the applicant's proposal, and/or if you consider you may be adversely affected, please indicate your views below (attach additional pages if necessary). Consider the following: How do you consider you will be affected? How would you like the applicant's proposal to be modified to take account of your views? What other comments do you have on the proposal that you would like the Waikato Regional Council to consider in making a decision on these resource consent applications?

**Applicant's response to views of consulted parties (to be completed by applicant)**

Please indicate how your proposal can be modified to take account of the views of the party you have consulted with (or why the proposal may not be able to be modified to take account of those views).

**Consulted party's response to the proposal (to be completed by person/group consulted)** *Please tick one only*

I/We give my/our approval for the proposal       I/We do not give my/our approval for the proposal

I/We are not affected by this proposal

**Signed** \_\_\_\_\_ **Date** \_\_\_\_\_