



DPF-202: Assessment of RCS Farm Dairy Water Status

Instructions for using this checklist

- This checklist must be completed by the farm dairy operator or nominated representative.
- The completed checklist must be signed, dated and held by the farm dairy operator and a copy made available to the contracted farm dairy assessor and recognised verifier.
- Please complete parts 1, 2 and all other relevant sections.
- The farm dairy assessor will review this checklist and assess the farm dairy water supply as required. The farm dairy operator remains responsible for ensuring all testing requirements are met, and water sources used meet clause 4.5 of the Animal Products Notice: Raw Milk for Sale to Consumers.

Part 1: Supplier Details *(Complete in all cases)*

Name of farm dairy operator:	
Farm Dairy Address:	

Part 2: Farm Dairy Water Sources *(Complete in all cases)*

Indicate (✓) all water sources used in farm dairy (excluding water used for yard washing and for the milk cooler).
If you use more than one water source, complete each of the relevant parts of the questionnaire.
If you use more than three water sources, or more than one reticulation system complete additional checklist(s) as necessary.

	Water Source			
	1	2	3	
Rural/town supply (Supply under the control of local government authority)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Go to Part 3
Deep groundwater (i.e. bore casing >10m depth)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Go to Part 4
Surface water (e.g., spring, well, bore < 10m depth or not cased, river, lake, reservoir, roof)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Go to Part 5

Part 3: Rural / Town Supply *(Complete for community water supply sources only)*

All community water supplies have a Ministry of Health grading which provides an assessment of the public health safety of the water to the population served by that supply. The grading has two letters, e.g. 'Cd'. The first letter (upper case) represents the quality of the water at its source after treatment, while the second letter (lower case) grades the water quality as it arrives at your gate. Grading's containing 'D' or 'd' indicate marginal quality, while lower grading's ('E' or 'e') show that the water supply may be unsatisfactory. At time, some community water supplies are not graded; and are listed as 'ungraded'. This grading information can be obtained from your local council or the Drinking-water Register for New Zealand, which is available at following website address: <http://www.health.govt.nz/our-work/environmental-health/drinking-water/drinking-water-legislation>

Name the water supply and the grading e.g. 'Cd', or 'ungraded':

Source 1: Name		Grading	
Source 2: Name		Grading	
Source 3: Name		Grading	

If the grading of any of these water supplies contains 'E', 'e' or 'ungraded' then you must assess the water supply as surface water (Go to Part 5), unless you are advised the source is deep ground water (Go to Part 4).

Part 4: Deep Groundwater (Complete for deep groundwater sources, or where Part 3 doesn't fully apply)

Deep groundwater from depths of ten metres or more can generally be considered to be isolated from the influence of land-based activities. As such, a less rigorous hazard identification process is required for this type of water source.

Case depth (meters): Source 1: _____ Source 2: _____ Source 3: _____

If the depth of casing of any bore is less than 10 metres it must be assessed as surface water (Go to Part 5)

	Source 1		Source 2		Source 3	
	Yes	No	Yes	No	Yes	No
(a) Is the bore-head securely sealed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(b) Is the bore-head protected from animal access and effluent?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(c) Is the bore area safe from ponding and flooding?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

If the answer to question (a), (b) or (c) is No for any of your water supplies, then you must either assess that water supply as surface water (Go to Part 5).

Part 5: Surface Water (Complete for surface water sources, or where Part 3 and Part 4 doesn't fully apply)

A wide range of land and water based activities can result in contamination of surface and shallow ground waters. Special care is therefore required to ensure that water taken from such sources is of suitable quality for use in farm dairies.

Describe each water source:

(e.g. spring, well, bore cased <10m, stream, river, dam, reservoir, lake, roof etc.):

Source 1: _____

Source 2: _____

Source 3: _____

(a) Are any of the following hazard sources within 45 metres of the farm dairy water supply?	Source 1		Source 2		Source 3	
	Yes	No	Yes	No	Yes	No
Offal pit/soak hole	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Septic tank/long-drop toilet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Animal effluent to pasture	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Silage stack without containment of leachate or run-off	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Land disposal, industrial waste or refuse applied to land surface or buried	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fuel tanks, chemical preparation/storage area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Animal yards, housing or feed pads not connected to an approved effluent system	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sumps, effluent ponds and other effluent storage areas	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(b) Do any of the following hazards, either inside or outside your farm, pose a threat to the quality of your farm dairy water supply?						
	Yes	No	Yes	No	Yes	No
Runoff/flooding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Animal access	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Industrial or urban storm water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Industrial waste, wastewater or leachate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Effluent discharges	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Spray drift	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

If the answer to any of the questions in (a), or (b) is 'Yes' for any of your water supplies, this water cannot be used as farm dairy water, meaning that it cannot be used for cleaning hands, teats, milking equipment or RCS containers.

Part 6: Reticulation System *(Complete in all cases)*

The farm's water reticulation systems (pumps, tanks, pipes, valves etc) can result in contamination of the water supply if they are incorrectly designed or installed, poorly maintained or damaged.

	Yes	No
(a) Is there a veterinary dispensing system linked to the reticulation system for your farm dairy water supply?	<input type="checkbox"/>	<input type="checkbox"/>
(b) If the answer to (a) is yes, do you have systems in place for ensuring that chemicals (other than those used for water treatment) do not get into the farm dairy water supply? (e.g. backflow prevention)	<input type="checkbox"/>	<input type="checkbox"/>
(c) Are the water holding tanks covered, the walls and roof watertight and the tank(s) protected from contamination by rain, snow-melt, pests and spray drift?	<input type="checkbox"/>	<input type="checkbox"/>
(d) Where drains or overflow pipes from the tank empty into sewers or storm-water drains, are the outlets situated above the maximum water level in the sewer/storm-water drains so that suck-back cannot occur?	<input type="checkbox"/>	<input type="checkbox"/>
(e) Are reticulation pipes protected from damage by machinery or stock?	<input type="checkbox"/>	<input type="checkbox"/>
(f) Does water in the farm dairy remain clean and clear for the duration of the dairy season?	<input type="checkbox"/>	<input type="checkbox"/>

If the answer to any of the questions (b) to (g) is No then your water reticulation system is not suitable for the supply and storage of water used for cleaning hands, teats, milking equipment or RCS containers.

Part 7: Water Quality Assessment *(To be completed in consultation with your contracted Farm Dairy Assessor)*

A water sample must be taken at the point of use and tested for clarity (turbidity) and *E. coli*. Your farm dairy assessor may be able to assist with aseptic sampling, testing for clarity, and dispatching samples for *E. coli* (with water handled in the same manner as milk samples).

Summary of water status and action arising from assessment :

	Yes	No
(a) Does the water meet the turbidity/clarity requirements (not exceeding 5 NTU)?	<input type="checkbox"/>	<input type="checkbox"/>
(b) Does the water meet the <i>E. coli</i> requirements (not detected in 100 ml)	<input type="checkbox"/>	<input type="checkbox"/>
(c) Does the water supply comply with each of the relevant Parts 3-6 of this checklist?	<input type="checkbox"/>	<input type="checkbox"/>

If the answer to either (a), (b) or (c) is 'No' then this water cannot be used as farm dairy water, meaning that it cannot be used for cleaning hands, teats, milking equipment or RCS containers.

Part 8: Declaration

Farm Dairy Operator Declaration	
I hereby declare that to the best of my knowledge, the information contained in this form is true and correct.	
Signed: (RCS farm dairy operator)	Date:
_____	_____

RCS Farm Dairy Assessor	
Reviewed by (RCS Farm Dairy Assessor's name): _____	
Signed	Date:
_____	_____