

## ***Farm Activity Variation Application Form***

MHV Water Ltd (MHV Water) have been consented a nitrogen load for shareholders. The load is calculated based on the land use of shareholders in 2013, with an allowance for new irrigation within the scheme, assuming Good Management Practices are implemented.

Increases in nutrient losses beyond what was allocated to a shareholder may result in less nutrients being made available for new shareholders or potentially a breach of the nutrient load conditions of the resource consent. For this reason, MHV Water require all increases in nitrogen losses to be first approved by the scheme to ensure these issues do not arise.

The following document specifies the information that must be provided for any proposed land use change to be considered by the board.

Examples of a farm activity variation are:

- Change in land use (e.g. sheep and beef grazing to dairy support)
- Any new or increased area of winter grazing of cattle
- Any increase in irrigated area
- Any increase in stocking rate
- Any intensification of current system (e.g. system 3 dairy to system 4)

Prior to making any of the above changes, you must first seek approval from the MHV Water board as the scheme needs to know how your change will affect the scheme N load limit.

***Please note MHV Water will only approve changes which are scheduled to occur within 12 months of the application being approved.***

Application Checklist:

- Complete the Farm System Information Template (Appendix 1).
- Provide the most recent FEP Audit Report.  
***(MHV will decline your application if your FEP Audit status is a C or D grade. Please contact the Environmental Manager if you would like your property to be re-audited for this process.)***
- OVERSEER nutrient budgets which demonstrate:
  - Existing nutrient losses (we may have this information on file)
  - Your proposed nutrient losses
  - Your proposed nutrient losses, where GMP is implemented (if applicable)

All OVERSEER nutrient budgets must be prepared according to the following standards:

- Nutrient budgets are prepared by a suitably qualified person using the latest version of OVERSEER™ nutrient budget model and the relevant Best Practice Data Inputs Standards.
- Nutrient Budget Consistency Protocol
- Overseer analysis is provided in Xml format.
- The Overseer analysis aligns with all the parameters presented in the Farm System Information Template.
- A map(s) of the property at a scale that clearly shows proposed changes.

## Appendix 1 – Farm System Information Template

Date of Application	
FEP #	
Property name / ID	
Property Owner	
Property Owner Contact info	
Contact number/s	
Postal address	
Email	
Person responsible <i>(if different from Property Owner)</i>	
Role of person responsible	
Person responsible Contact info	
Contact number/s	
Postal address	
Email	

### Land Use Descriptions:

Describe the changes you are proposing to make:

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Season Proposed Changes will Occur: \_\_\_\_\_

		Existing Land Use	Proposed Land Use
Total Area	Ha		
Total Irrigated Area	Ha		
MHV Irrigated Area	Ha		
Irrigation System Designed Water Use	mm/day		
Land Use(s) e.g. Arable/Sheep/Beef, Dairy etc			
Area Winter Grazing cattle only	ha		
Average Stocking rate	R.S.U./ha <sup>1</sup>		
	Cows/ha		
Effluent Area if applicable	Ha		
Other Relevant Changes (please describe)			

### Nutrient losses:

Please provide OVERSEER xml files for review.

Note – please ensure the nutrient budgets are for the same area where the changes will occur. This may mean including nutrient budgets for additional or parts of properties/area

	Existing	Expected (office use only)	Proposed	Proposed (incl. GMPs)
Average N loss (kg N/ha/year)				
Total N loss (kg N/year)				
MHV N Loss (kg N/year) (office use only)				
Area (ha)				

<sup>1</sup> R.S.U. /ha = Revised Stocking Units per hectare as calculated in the OVERSEER animal reports

**Farm Maps:**

Please provide a farm map of your current and proposed farm system, including:

- Property boundary
- Irrigated area and type
- Winter grazing area(s)
- Effluent area
- Any other relevant change

**FEP Audit Grade:**

If proposal will increase nitrogen losses from the property(s):

Date of Last FEP Audit	
Auditor Name	
FEP Audit Grade	
Required Actions from FEP Audit	

**Description of Good Management Practice Actions Proposed:**

If you have not achieved a High Level of Confidence for Target 3 of the Irrigation and Nutrients management objectives, please list the Actions you will take to achieve Good Management Practice prior to changing your land use.

To ensure your change in land use continues to be authorised, you must implement these actions.

Proposed Good Management Practice Action	Proposed Date of Completion

**Declaration**

*I declare the information I have provided is true and correct. If this application for a change in land use is approved, I will ensure:*

- 1. The change in land use will not exceed the nitrogen losses (or equivalent based on later versions of OVERSEER) proposed and approved by this application*
- 2. I maintain or implement Good Management Practices as described*

*I understand that failing to meet the above two conditions of this approval may result in a breach of the Water User Agreement and be subject to the Mayfield Hinds Valetta Water Limited internal compliance procedures.*

*Signed*

*Date*

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*Name(s)*

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**MHV Water Board Approval**

*Signed*

*Date*

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*Name(s)*

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**Appendix 2: Good Management Practices**

Good Management Practice has been defined in the Industry Agreed Good Management Practice relating to Water Quality Guide:

[http://files.ecan.govt.nz/public/pc5/MGM\\_Technical\\_Reports/Industry\\_Agreed\\_Good\\_Management\\_Practices\\_MGM\\_2015.pdf](http://files.ecan.govt.nz/public/pc5/MGM_Technical_Reports/Industry_Agreed_Good_Management_Practices_MGM_2015.pdf)

### Appendix 3: Decision Flow Chart

