

Changes to the barn systems in the Overseer modelling for WW1, 2, 4 and 5.

Months start with July and finish with June

WW1 and 2

- Year ending 2017 – most current modelling

% of dairy animals													
 Covered Wintering Pad/Shelter - Exported													
% of dairy animals	100	45	-	-	-	-	-	-	-	-	-	100	100
Hours on structure per day	24	23	-	-	-	-	-	-	-	-	-	12	24
 Dairy Effluent System - Holding Pond Solids: None Pond: Other (Exported) Liquid: Spray Regularly													

- Proposed

Structures

NAME	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
 Covered Wintering Pad/Shelter - Exported												
% of dairy animals	100	50	10	-	-	-	-	-	-	25	100	100
Hours on structure per day	24	23	24	-	-	-	-	-	-	2	14	24





Summary of changes– added in September and April and additional hours for May. Higher % of cows in barn in August.

WW4

- Current

No barn

- Proposed barn scenario

		100	100	100	100	100	100	100	100	100	100	100	100
 Covered Wintering Pad/Shelter - Exported													
% of beef/dairy grazing animals	100	99	-	-	-	-	-	-	-	-	-	-	100
Hours on structure per day	24	24	-	-	-	-	-	-	-	-	-	-	24
 Covered Wintering Pad/Shelter - Exported													
% of dairy animals	100	100	-	-	-	-	-	-	-	-	50	100	100
Hours on structure per day	24	14	-	-	-	-	-	-	-	-	14	14	24
 Covered Wintering Pad/Shelter - Exported													
% of dairy replacements animals	100	100	-	-	-	-	-	-	-	-	-	99	100
Hours on structure per day	0	0	-	-	-	-	-	-	-	-	-	0	0
 Dairy Effluent System - Holding Pond Solids: None Pond: Spread On Blocks Liquid: Spray Infrequently													

Summary of changes

- ✓ Installation of the barns and the above modelling for dairy cows
- ✓ Although replacements are detailed above they are not on the barn for any length of time but the beef animals are (I understand these are essentially the wintered cows).




WW5

- Current





No Barn

- Proposed consent – uncovered wintering pad

Structures

NAME	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
 Milking Shed - Holding Pond Solids: None Pond: Spread On Blocks Liquid: Spray Infrequently												
% of dairy animals	-	100	100	100	100	100	100	100	100	100	100	-
 Uncovered Wintering Pad/Shelter - Solids: Spread On Blocks Pond: None Liquid: None												
% of dairy animals	-	50	25	-	-	-	-	-	-	25	50	-
Hours on structure per day	-	24	24	-	-	-	-	-	-	24	24	-
 Dairy Effluent System - Holding Pond Solids: None Pond: Spread On Blocks Liquid: Spray Infrequently												

- Proposed Barn

 Covered Wintering Pad/Shelter - Exported													
% of dairy animals	100	100	-	-	-	-	-	-	-	-	50	100	100
Hours on structure per day	24	14	-	-	-	-	-	-	-	-	14	14	24
 Covered Wintering Pad/Shelter - Exported													
% of beef/dairy grazing animals	100	99	-	-	-	-	-	-	-	-	-	-	100
Hours on structure per day	0	0	-	-	-	-	-	-	-	-	-	-	0
 Covered Wintering Pad/Shelter - Exported													
% of dairy replacements animals	100	100	-	-	-	-	-	-	-	-	-	99	100
Hours on structure per day	0	0	-	-	-	-	-	-	-	-	-	0	0
 Dairy Effluent System - Holding Pond Solids: None Pond: Spread On Blocks Liquid: Spray Infrequently													

Summary of changes

- ✓ Barn is changed to a covered from an uncovered feed pad in proposed consent modelling
- ✓ Cows are inside in June and July
- ✓ hours in barn in April are reduced, whilst % of cows is increased
- ✓ Hours in barn reduce in August but % of cows increases
- ✓ Beef or replacements are not included in the barn for any hours per day – the beef are essentially wintered cows. WW5 still has crop grown in the Overseer modelling, whilst WW5 doesn't