

Water Well Exemption Screening Tool
Version 1.0 – June 2016

CFO Name: _____
 Legal Land _____
 Location: _____
 Screening _____
 Completed By: _____
 Date _____
 Completed: _____
 Contact Name: _____

Water wells within 100m of a manure storage facility

Water Well ID#: _____

For all cases when information is not available, score worst case.

If the water well is directly located inside a manure storage facility or manure collection area, score the water well as exemption less likely.

PRELIMINARY SCREENING

Presence of a Pit

Pit well	10
Pit-less well	2

Score:

Age of Well

Drilled prior to and including 1998	3
Drilled after 1998	1

Score:

Depth of Bottom of Seal versus Distance Between Bottom of Seal and Screened Interval

** if no seal or unknown score 5 points*

Depth of Bottom of Seal	Distance Between Bottom of Seal and Screened Interval		
	<2 m	2-5 m	>5 m
<10 m	3	4	5
10-20 m	2	3	4
>20 m	1	2	3

Score:

Seal Type

Bentonite	1
Concrete/grout/puddled clay	3
Drive Shoe	6
Cuttings	8
None	10

Score:

Information Table

	Yes	No	
Is the well protected from physical damage (e.g. housed in a building)	0	2	Score: <input type="text"/>
Is the ground mounded around the well? (e.g. clay, concrete)	0	5	Score: <input type="text"/>
Is the casing height >1ft above ground level?	0	2	Score: <input type="text"/>
Is the well properly capped?	0	1	Score: <input type="text"/>
Is the well in good condition (e.g. undamaged, casing stable)?	0	3	Score: <input type="text"/>
Is the well being used?*	0	2	Score: <input type="text"/>
Is the well solely used for <u>non-domestic purposes</u> ?*	0	2	Score: <input type="text"/>

*information received from operator

Special Considerations (Allowable range ± 4 . Score is 0 if there are no special considerations)

Other:

Score:

Total Preliminary Screening Score (maximum 45):

Screening Result	Score (maximum score – 45)
Exemption less likely; action required; continue to next section	>28
Continue to next section	10-28
Exemption more likely; do not complete next section	<10

If the water well is directly located inside a manure storage facility or manure collection area, score the water well as exemption less likely.

SECONDARY SCREENING

Facilities within 100m of a water well

Facility #1: _____ Facility #2: _____ Facility #3: _____

Water Well Gradient

Water well is known to be up-gradient from the facility with respect to surface water drainage	0
Water well is downgradient or unknown from the facility with respect to surface water drainage	10
Water well is known to be up-gradient from the facility with respect to groundwater flow	2
Water well is downgradient or unknown from the facility with respect to groundwater flow	5

Score:

Score:

Likelihood of Runoff from a Manure Storage Facility or Collection Area Reaching a Water Well

Horizontal Distance to Water Well	Land Surface Cover from Facility to Well (>50% of total pathway)		
	Vegetated	Bare	Paved
>30 m	2	3	4
30-10 m	3	4	5
<10 m	6		

Score:

Manure Storage Facility or Collection Area Runoff Control and Average Annual Precipitation

Runoff Control Between Facility and Well	Average Annual Precipitation (mm)		
	<400	400-600	>600
Covered/Acceptable Facility	0		
Acceptable runoff control	1	2	3
Non acceptable runoff control	6	7	8

Score:

Special Considerations (Allowable range ± 3 . Score is 0 if there are no special considerations)

Cross-gradient flow etc. Other:

Score:

Total Pathway Score (maximum 29):

Screening Result	Score (maximum score – 29)
Exemption less likely	>20
Exemption more likely	4-19