Guidelines – Lockyer Valley & Clarence Moreton Notice of Works Part C

Water Regulation 2002
(Water Act 2000)

Purpose of the form

Part C of the form is used to provide details about the water used (i.e. supplied to) for groundwater activities occurring on the properties identified in Part A. Please complete the appropriate Part C, depending on whether you take water from alluvial, hardrock or sandstone aquifers.

Details of any groundwater activity

Question 16 – This question is used to describe the land on which the groundwater is being used. Land is usually described as a lot on plan. For a copy of a map, please contact the department on (07) 5466 2222.

Separately list the lot plan description of each parcel of land on which groundwater is used.

If you are irrigating an orchard covering 3 lot on plans from a bore/well, you would list all 3 property descriptions as in the following example:

Lot	Plan
13	RP134507
14	W314657
15	C19854

Question 17 – The purpose of this question is to provide details about the area of any crops that were irrigated with groundwater, and the approximate irrigation requirement of the crops.

Write the cropped area of the different types of crops and your estimate of average annual water use from groundwater sources (in megalitres / year) in boxes provided.

If you only have water use and cropped area information in imperial units such as gallons per hour and acres, either convert these to metric units or cross out the metric units and write the units you are using.

Use Conversion Factors
2.47 acres = 1 hectare (ha)
Imperial gallons x 4.546 = litres (L)
1,000,000 (1 million) litres (l) = 1 megalitre (ML)

Please approximate the water used.

An example of calculating estimated annual use follows.

Example
If you have two bores that were pumped at 2,200 and 2,000 imperial gallons per hour for 6 hours per day over 6 months of the year, you water use would be as follows:

4,200 gallons/hour x 6 hours/day x 186 days/year = 4,611,600 gallons/year

To convert to ML/yr, multiply by 4.546 and then divide by 1,000,000, as follows:

4,611,600 gallons/year = (4,611,600 x 4.546) / 1,000,000 ML/yr = 20.96 ML/yr, which rounds off to 21 ML/yr.

If you cannot estimate your annual usage, please write a brief description of your use such as *"pump bore 1 at 8,000 GPH, and bore 2 at 6,000 GPH, for 4 hours, 4 days a week from November to March, but only 2 days a week for the rest of the year"*.

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Details of any groundwater activity (Cont'd)

Question 18 – This question provides water use information for activities other than crop production, such as intensive livestock, kennel/cattery, mining, public amenities, etc.

Please provide details and supporting information for these water uses.

For intensive stock purposes, this would include details of the type and number of stock watered and their annual water requirements (ML/yr).

For example: if you have a feedlot for 250 cattle with a water requirement of 200kL/head/year, the annual water requirements of the cattle in the feedlot, excluding wash down, cooling, or other incidental purposes, is 250 x 200kL = 50 ML/yr.

You would also need to provide details of your other incidental water requirements here.

Question 19 – The purpose of this question is to identify other sources of water that supplement the activities detailed in question 17 and/or 18. Such sources could include dams capturing overland flow, water from a water course, or from a town water supply. For example, if you used a combination of groundwater from an alluvial aquifer and overland flow water from a dam (when it is available) you might answer this question as follows:

"I use water from my dam when it is available, which is generally only 2 years out of 5. I use groundwater from my alluvial bore for all my water requirements when dam water is not available, and dam water comprises half my water for the 2 years out of 5 when it is available."