

APPLICATION FOR AUTHORITY FOR A JOINT WATER SUPPLY SCHEME (UNDER SECTION 20 OF THE WATER ACT, 1912)

Application No. _____

PLEASE USE BLOCK LETTERS	FIRST NAMES	SURNAME	FULL POSTAL ADDRESS
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Name of person and <i>full</i> postal address to which correspondence and water diversion returns are to be forwarded	Telephone:
	Postcode:

Name of river, creek, watercourse, billabong, lake, lagoon etc.	
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Means by which water is to be taken - gravitation, pumping etc.	
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Details of land of each occupier to be supplied with water

Occupier	Portion/Lot & DP	Parish	County	Tenure

Details of works by which water is to be taken

Particulars of works	Portion/Lot & DP	Parish	County	Maximum rate of which water may be taken
State whether pump, dam, race, levee, cutting etc.				litres/second

Type and size of pump or size of diversion pipe or channel etc.	
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Particulars, giving sizes, capacities and grades of any channel, flume, pipe, conduit or other work in which water is to be conveyed to the land of each occupier (longitudinal and cross-section plans of any channel to be attached).	
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Purpose for which water is to be used	<input type="checkbox"/> Irrigation	Water supply for	<input type="checkbox"/> Mining <input type="checkbox"/> Stock	<input type="checkbox"/> Domestic <input type="checkbox"/> Industrial
Please tick appropriate square	Other (please specify) _____			

Details of crops, if any, to be irrigated by each occupier

Occupier	Type of Crop	Area	Total area to be irrigated by each occupier
		hectares	hectares

Total area to be irrigated by all applicants	hectares
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Estimated quantity of water proposed to be taken annually	megalitres
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Occupier	Estimated quantity of water proposed to be delivered annually	Particulars of rates and times at which water is proposed to be delivered to each occupier	Particulars of any other matters affecting the apportionment of water between the occupiers
	Megalitres		

Particulars of any monies paid or proposed to be paid to any person in respect of the supply of water in connection with the joint water supply scheme.	
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Particulars of any monies paid or proposed to be paid to any person in respect of the occupancy or transfer of any land because of or in connection with the joint water supply scheme.	
<u>Particulars of the arrangements between the applicants in respect of:-</u>	
The provision and construction of the works	
The operation of the works	
The maintenance and renewal of the works	
The provision of monies for each of the foregoing	
The payments to be made by any of the occupiers in respect of the foregoing.	
Names of local newspaper/s circulating in the district.	

We, _____

of _____

being the occupiers of the lands described herein, do hereby apply for an authority under Part II of the Water Act, 1912, to construct and use the joint water supply scheme described herein and to take and use the water conserved or obtained thereby for the purposes specified in this application.

We attach a plan showing:-

- a) the land occupied by each occupier;
- b) the location of the means by which water is to be taken from the river, creek, watercourse, billabong, lake, lagoon etc.;
- c) the location of any channel, flume, pipe, conduit or other work in which water is to be conveyed;
- d) the location of any bridge, culvert, siphon, check, regulator or other structure or work to be provided;
- e) if the work is for the purpose of irrigation, the location of the areas to be irrigated within the land of each occupier;

We also attach longitudinal and cross-sectional plans of all channels proposed to be constructed for the conveyance of water to the land of each occupier.

We also attach a certified copy of any agreement entered into between the occupiers or between the occupiers and any other person in respect of the joint water supply scheme.

We forward herewith the sum of **\$30.00** being the prescribed deposit, as security for the cost of investigation and inquiry in connection with the application. For more information on fees, refer to www.dwe.nsw.gov.au or your local DWE office.

DATED this _____ day of _____ 20____

ENVIRONMENTAL IMPACT INFORMATION

Please circle the most appropriate answer for **each** question listed below.

- | | | | |
|----|---|-----|----|
| 1. | Has an environmental impact assessment been undertaken for the proposed work(s)?
If yes, please attach copy of assessment. | YES | NO |
| 2. | Has any other approval for the work(s) or associated activities been obtained or applied for? | YES | NO |
| 3. | Are the work(s) to be used for purposes other than those associated with agricultural irrigation? | YES | NO |
| 4. | Will there be any return flows to the watercourse? | YES | NO |
| 5. | Will any trees be removed to install the licensed work(s) or to develop the lands to be irrigated? | YES | NO |
| 6. | Are there any known Aboriginal areas of interest or relic sites in the immediate vicinity of the proposed work(s) or the lands to be developed? | YES | NO |

The Department will be determining this application under the provisions of the Environmental Planning and Assessment Act 1979 Part V and its associated regulations.

INFORMATION TO ACCOMPANY AN AUTHORITY APPLICATION

Before issuing a new or a replacement authority (including that resulting from a permanent transfer), the Department of Water and Energy has a statutory obligation to assess the environmental impact which is likely to result. The assessment is based not just on the water extraction or supply work/s, but on the whole development or activity for which the water will be used and the potential impact on the environment. It is the applicant’s responsibility to provide the following information to enable the Department to make an accurate assessment, otherwise the application may be refused.

Contact the Licensing Officer at your local DWE office if you require assistance.

<p>A. NEW AUTHORITIES ONLY: PROPERTY/IES on which it is proposed to carry out development (attach additional pages if necessary).</p> <p>Property Name:</p> <p>Local Council(s):</p>

<p>B. PERMANENT TRANSFERS ONLY: 1. PROPERTY/IES from which the water is to be transferred (attach additional pages if necessary).</p> <p>Property Name:</p> <p>Local Council(s):</p> <p>Water Act Licence No:</p>
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<p>2. PROPERTY/IES to which the water is to be transferred (attach additional pages if necessary).</p> <p>Property Name:</p> <p>Local Council(s):</p>
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C. PROPOSED DEVELOPMENT (to be completed for all applications)

<p>1. IS ANY OF THE LAND SUBJECT TO THE DEVELOPMENT OR AFFECTED BY THE DEVELOPMENT WITHIN A STATE FOREST OR FLORA RESERVE?</p>

a) NO YES/Forest Name:

<p>2. IS ANY OF THE LAND SUBJECT TO THE DEVELOPMENT OR AFFECTED BY THE DEVELOPMENT ON CROWN LAND?</p>
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NO YES

a) If held under lease or licence, provide lease and lessee/licence and licensee details

.....

b) If a timber reserve, provide details.....

.....

<p>3. IS ANY OF THE LAND SUBJECT TO THE DEVELOPMENT OR AFFECTED BY THE DEVELOPMENT SUBJECT TO “PROFIT à PRENDRE” UNDER SECTION 25F(1) OF THE FORESTRY ACT?</p>

a) NO / YES Property owner (if not applicant)

a) Profit a Pendre details

4. WHAT WORKS ARE PROPOSED UNDER THIS APPLICATION?

- a) Type of work(s), all works proposed should be identified (eg. Pump, dam, weir, levee, bore, well, spearpoint, channel, other):

Please describe:

- a) Location (attach map, preferably a copy of a topographic map or orthophoto map)
- b) Associated works and activities for the development that do not form part of this application (attach detailed drawings if available)

If a dam or weir, describe

- c) Dimensions (attach plan showing dam and storage)
- d) Design details (attach plans showing height or crest and method of construction)
- e) Source of materials
- f) Disposal of unwanted material
- g) Proposal to allow fish passage

If a levee, describe

- h) Size (eg. Max height above natural surface, crest width)
- i) Source of material

If a bore or other groundwater extractive work, describe

- j) Bore design (depth, diameter, casing, exposed intervals, if available)

If a storage, describe (eg. off-creek, turkeys nest)

- k) Location (show on map attached to license application)
- l) Dimensions
- m) Depth of storage
- n) Depth below natural surface level
- o) Design details (eg. crest height, side batters, method of construction, soil test bore information)
- p) Source of materials
- q) What has been done to reduce/minimise seepage from the storage?

5. IS PLANNING PERMISSION NEEDED FOR THE PROPOSED DEVELOPMENT?

(If you are unsure whether you need planning permission, please contact your local council)

- a) Does the proposed development require Development Consent from the Council? NO/YES
- b) Has development consent been granted? NO/YES
- c) What is the land use zoning of the site of the proposed development, eg. rural/residential?

9. WHAT IS THE SOIL LIKE AT THE SITE OF THE PROPOSED DEVELOPMENT?

Describe your soil type – (tick one or more from each column)

Soil Texture	Soil Colour	Soil Category/Group (if known)
<input type="checkbox"/> Sandy	<input type="checkbox"/> Red/red brown	<input type="checkbox"/> Alluvial soils (extremely variable, layered profile with sandy, clay etc.)
<input type="checkbox"/> Loam	<input type="checkbox"/> Yellowish brown	<input type="checkbox"/> Cracking clays (deep uniform clays with seasonal cracking when dry)
<input type="checkbox"/> Clay Loam	<input type="checkbox"/> Grey	<input type="checkbox"/> Sandy soils (deep, uniform, coarse or fine textured sandy soil)
<input type="checkbox"/> Clay		<input type="checkbox"/> Earthy soils (gradual texture change – increase in clay content)
		<input type="checkbox"/> Duplex soils (texture contrast between surface soil and sub soil-loam over clay)

10. WHAT ARE THE GROUNDWATER CONDITIONS BELOW THE PROPOSED DEVELOPMENT, IF KNOWN?

- a) Water table depth:
- b) Groundwater salinity:
- c) Groundwater contaminants/ pollutants:
- d) Rate of rise/ fall (if known):
- e) Distance to nearest bore piezometer

11. HOW IS THE SITE AND THE AREA IMMEDIATELY SURROUNDING THE SITE OF THE PROPOSED DEVELOPMENT CURRENTLY USED?

- a) Describe (e.g. crop cultivation, grazing etc):
- b) Any land degradation issues (e.g. acid soils, salinity etc)

12. WHAT CULTURAL FEATURES ARE THERE ON THE SITE OR IMMEDIATELY SURROUNDING THE SITE OF THE PROPOSED DEVELOPMENT?

(The National Parks and Wildlife Service may be able to assist with information on cultural features)

- a)
 - i) Archaeological features (e.g. middens):
 - ii) Heritage features (e.g. historic homes):
 - iii) Areas of significance to Indigenous people:
- b) How might they be affected?

13. ARE THERE ANY KNOWN RECORDS OF THREATENED SPECIES (AS DEFINED UNDER THE THREATENED SPECIES CONSERVATION ACT, 1995 AND/OR THE AUSTRALIAN SOCIETY OF FISH BIOLOGISTS) ON THE SITE OR IN THE SURROUNDING AREAS?

(To ascertain if the proposal is likely to significantly affect threatened species, then an assessment following the 8 point test of significance set out in Section 5A of the Environmental Planning and Assessment Act, 1979, must be made)

- a) NO/YES (give details):

b) How might they be affected?

14. ARE THERE ANY WETLANDS/ SWAMPS/ MARSHES/ DEPRESSIONS ON THE SITE OR THAT WILL BE AFFECTED BY THE PROPOSED WORKS?

a) NO/YES (give details):
.....

E. PROXIMITY TO RIVER OR WATERCOURSE (if applicable)

15. WHAT IS THE STREAM LIKE AT SITE OF THE PROPOSED DEVELOPMENT?

(Answer this section only if the proposed development is near a stream)

- a) Bank material (e.g. clay):
- b) Bed material (boulders, clay, gravel etc):
- c) Bank slope (e.g. steep, gradual, flat):
- d) Are there any snags in the channel?
- e) Describe the bank vegetation (e.g. grassed, bare, timbered):
- f) Width and depth of the watercourse:
- f) Sketch (on topographic map or orthophoto map) site of work in relation to stream:
- g) How might it be affected by the proposed development?

16. WHAT ARE THE FLOWS OR WATER LEVELS LIKE IN THE STREAM OR WATER BODY ASSOCIATED WITH THE PROPOSED DEVELOPMENT?

(Answer this section only if your proposed development will affect flows in a river, creek, stream, lake, lagoon or swamp)

- a)
 - i) How often does the stream or water body cease to flow or dry up?
 - ii) How often does over bank flow occur?
 - iii) At what gauge level does significant flooding occur (nearest gauge):
.....
- b) How will flow be affected by the development?.....

17. WHAT STRATEGIES FOR DRAINAGE AND IRRIGATION MANAGEMENT ARE TO BE ADOPTED FOR ANY NEW IRRIGATION?

Please describe:.....
.....
.....

Crop Details:

- a) Total area of property to be irrigated:
- b) Area of each crop type:
- c) Benchmark production figures for the crops for the region of development:

Soil Details:

- a) Texture:
- b) Water holding capacity (eg well drained, poorly drained, etc):
- c) Depth of top soil:

- d) Depth to hard pan:
- f) Signs of salinity (e.g. dieback):

Irrigation - Method of application details

- a) Type of irrigation system:
- a) How will the irrigation and drainage system account for varying soil water holding capacity?
.....
- b) How will the irrigation be managed (eg water scheduling)?
.....
.....

Surface and sub-surface drainage details:

- a) Identify drainage disposal basin site (if applicable):
- b) Method of disposal of drainage:
- c) Volume capacity of basin (if applicable):

Maps and diagrams must accompany this form showing the following details:

- a) Proximity to water course including floodplain
- b) Drainage lines, surface and sub-surface, both natural and constructed
- c) Contours of property to be developed
- d) Diagram showing location of ALL works including supply channels and disposal sites
- e) Property boundaries and areas to be irrigated (where applicable)
- f) Please attach any other information that may be useful in assessing your application

G. DECLARATION	
I hereby declare that the information supplied on this form is accurate to the best of my knowledge.	
Applicant(s) Signature(s)
Date