



STANTHORPE SHIRE COUNCIL

Registered Water Service
Provider No. SP117

DROUGHT MANAGEMENT PLAN

August 2007



CERTIFICATION OF DROUGHT MANAGEMENT PLAN

Water Service Provider's Name: Stanthorpe Shire Council

Water Service Provider's Registered Number: SP117

The attached document has been prepared as the Drought Management Plan for Stanthorpe Shire Council.

I certify that this Drought Management Plan is appropriate for the infrastructure and the registered services of Stanthorpe Shire Council and has been formally adopted as Item No. 2.3.5. of Councils General Meeting held on 10 July 2007.

In determining the appropriateness of the Drought Management Plan, I have taken the following matters into account:

1. The Drought Management Plan complies with, and addresses, all requirements of Chapter 3, Part 3 of the Water Act 2000 and the Guidelines for the Preparation of a Drought Management Plan; and
2. That the proposed financial arrangements put in place by the Stanthorpe Shire Council should be sufficient/adequate to implement the Drought Management Plan as presented; and
3. That the strategies, processes, procedures and actions in this plan will minimise the economic and social impacts on our customers.

Certified by*: Tony Minuti
Acting Chief Executive Officer
Stanthorpe Shire Council

.....
(Signature)

.....
Date

(* Note: Section 429D of the Water Act 2000 (as amended) requires the Drought Management Plan to be certified by the Water Service Provider's Chief Executive Officer.)



TABLE OF CONTENTS

Page No.

1.0 INTRODUCTION.....1

2.0 POLICY STATEMENT.....1

3.0 PURPOSE.....1

4.0 SERVICES & SYSTEMS OVERVIEW2

 4.1 Registered Services..... 2

 4.2 Nature And Extent Of Water Services 2

 4.3 Infrastructure Details..... 3

 4.4 Water Sources Assessment 8

 4.4.1 Past Performance Review..... 10

 4.5 Water Consumption 13

 4.5.1 HISTORICAL CONSUMPTION..... 13

 4.5.2 PROJECTED CONSUMPTION..... 15

5.0 DROUGHT MANAGEMENT PLAN16

 5.1 General 16

 5.2 Restrictions Trigger Levels 16

 5.3 Restriction Levels 17

6.0 IMPLEMENTATION.....26

 6.1 Drought Management Response Team..... 26

 6.2 Authorising Provisions 26

 6.3 Enforcement 27

 6.4 Exemptions 27

 6.5 Communications Plan..... 28

 6.6 Monitoring Plan..... 28

 6.7 External Assistance 29

APPENDIX 1.....30

 Historical Water Restrictions – Stanthorpe & Wallangarra

APPENDIX 2.....35

 Restriction Schedule for Stanthorpe Public Parks

APPENDIX 3.....39

 Exemption Application Form



1.0 INTRODUCTION

Over recent years it has become clear that current water usage across Queensland is not sustainable. Water resources are under increasing pressure as a result of climate change, population growth and increasing customer demand. Stanthorpe Shire Council together with the State Government is taking steps to ensure we have sustainable water supply systems for future generations.

In 2005, the Water Act 2000 was amended to include a requirement for all Water Service Providers in Queensland to prepare, and submit for registration, a Drought Management Plan (DMP) for each service area/authority area in which the service provider supplies water.

This document demonstrates Stanthorpe Shire Councils' commitment to sustainable water management as well as constituting its Drought Management Plan for the purposes of complying with Chapter 3 of the Water Act 2000. It includes aspects of pre-drought water conservation planning which involves permanent water saving initiatives that will allow our community to achieve permanent water efficiency savings and thereby achieve Stanthorpe Shire Councils water consumption target of 250 L/p/day (without the proposed new dam) or 300L/p/day (with the proposed new dam).

The key component of the strategy is the drought management provisions. The drought management provisions detail the restrictions and actions to be implemented during various stages of drought events which are withdrawn or incrementally lifted as the drought recedes.

2.0 POLICY STATEMENT

Stanthorpe Shire Council regards the long-term sustainability of our water resources as an issue of primary importance, requiring continual monitoring.

Stanthorpe Shire Council has set targets for per capita consumption and is committed to achieving these targets to ensure future generations have a cost effective, sustainable water supply system.

3.0 PURPOSE

The purpose of this strategy is to:

- a) To encourage Stanthorpe Shire Council customers and the wider community to conserve water and use it wisely;
- b) To outline the Councils approved plan for regulating the use of water from its water supply system during periods of water shortage;
- c) To identify other water sources and actions that Council will consider during periods of extreme drought to maintain essential water services sufficient to ensure minimum health requirements; and
- d) To comply with Chapter 3 of the Water Act 2000.



4.0 SERVICES & SYSTEMS OVERVIEW

4.1 REGISTERED WATER SERVICE

Stanthorpe Shire Council is the registered Water Service Provider to an estimated population of 5244* people in the Shire of Stanthorpe, which includes Stanthorpe and Wallangarra.

Table 4.1 summarises the types of services provided by Stanthorpe Shire Council to which this Drought Management Plan applies.

TABLE 4.1: Types of Service

Type	✓ if applicable	Scheme Name
Bulk Water	✓	Jennings Township (Tenterfield Shire Council), The Southern Queensland Exporters Abattoir, The Army Camp and bulk water carriers (from Stanthorpe standpipe)
Retail Water	✓	Stanthorpe & Wallangarra Water Supply Schemes
Irrigation		
Stock & Domestic		
Other – State		

4.2 NATURE AND EXTENT OF WATER SERVICES

The nature and extent of services provided by Stanthorpe Shire Council are summarised in Tables 4.2 and 4.3.

Ten (10) year projections of demands/flows are summarised in Table 4.4

TABLE 4.2: Overview of Schemes

Scheme Name	Communities Served	No. of Connections
Stanthorpe Water Supply Scheme	Stanthorpe	2,353
Wallangarra Water Supply Scheme	Wallangarra	205

* Based on 2005 data from the 'Stanthorpe Shire Water Opportunities, Urban Water needs Analysis, 16 June 2006, Sinclair Knight Merz.



TABLE 4.3: Nature of Services

Water Supply	Nature of Service (tick as appropriate)				
Scheme Name	Potable	Non-Potable	Pressurised On Demand	Constant Flow	Dual Reticulation
Stanthorpe Water Supply Scheme	✓		✓	✓	
Wallangarra Water Supply Scheme	✓		✓	✓	

TABLE 4.4: Projected Demand

Scheme Name	Water Demand ML / annum	
	2010	2020
Stanthorpe	766	1,235
Wallangarra (not including bulk water users)	72	90
Wallangarra bulk water users	292	345

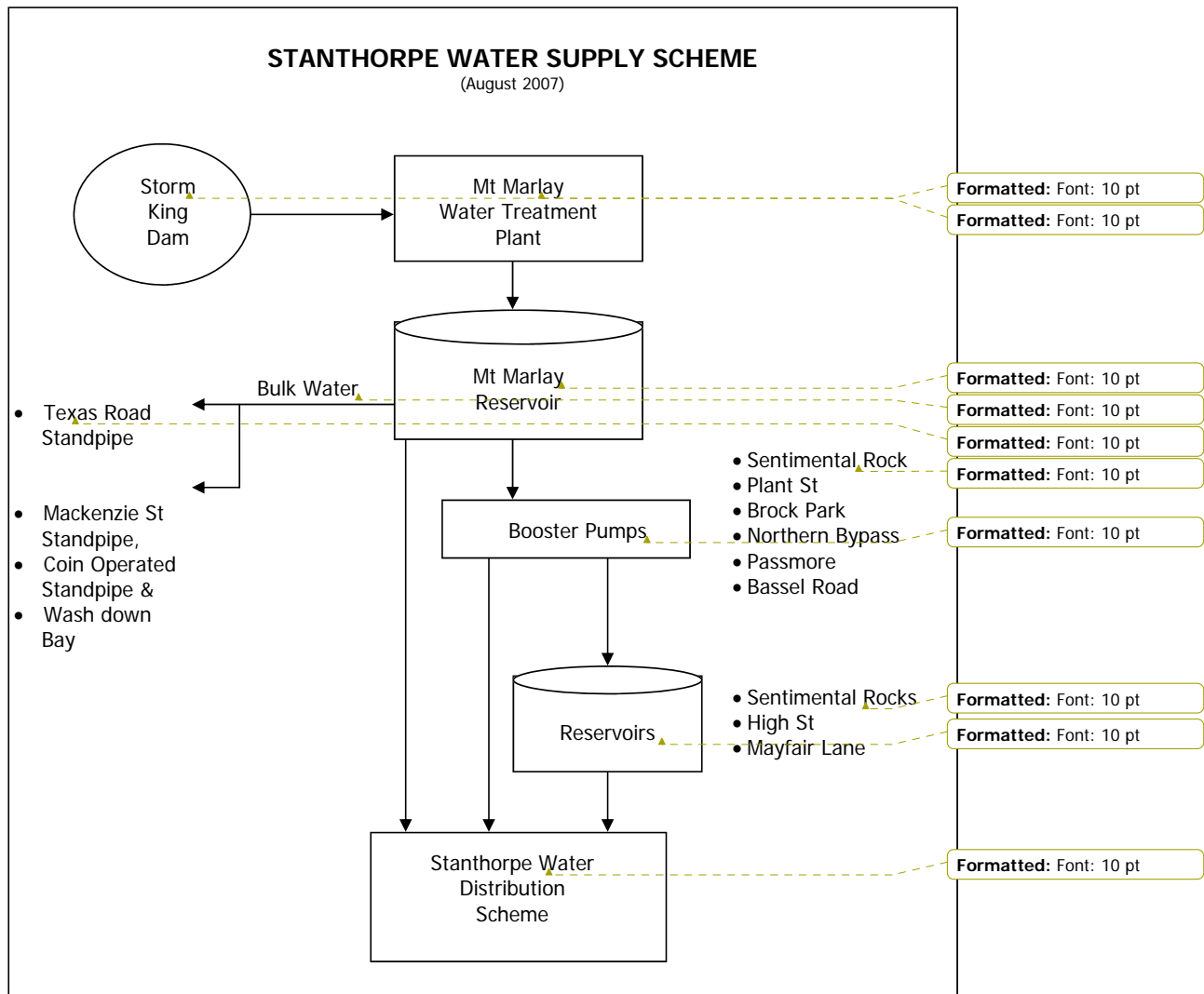
4.3 INFRASTRUCTURE DETAILS

Table 4.5 outlines the infrastructure used for water supply.

TABLE 4.5: Summary of the Stanthorpe Water Supply Infrastructure

Scheme Name	Stanthorpe Water Supply Scheme
Source Facility	Storm King Dam 2,180 ML
Treatment Plant Name	Mt Marlay Water Treatment Plant
Capacity	5 ML (~max daily capacity)
Reservoir Name	4 clear water storage reservoirs throughout reticulation system (Mt Marlay, Sentimental Rocks, High St & May Fair Lane)
Capacity	5.05 ML (TMP)
Pump Stations	6 Booster Pumps throughout reticulation system and 1 Booster Pump for raw water supply
Length of Pipelines	87 km mains (05/06 SAMP Review)
Length of channels	N/A

Figure 4.1 shows a schematic of the Stanthorpe Water Supply Scheme



Map 4.1 shows a schematic layout of the Stanthorpe Water Mains and Reticulation System

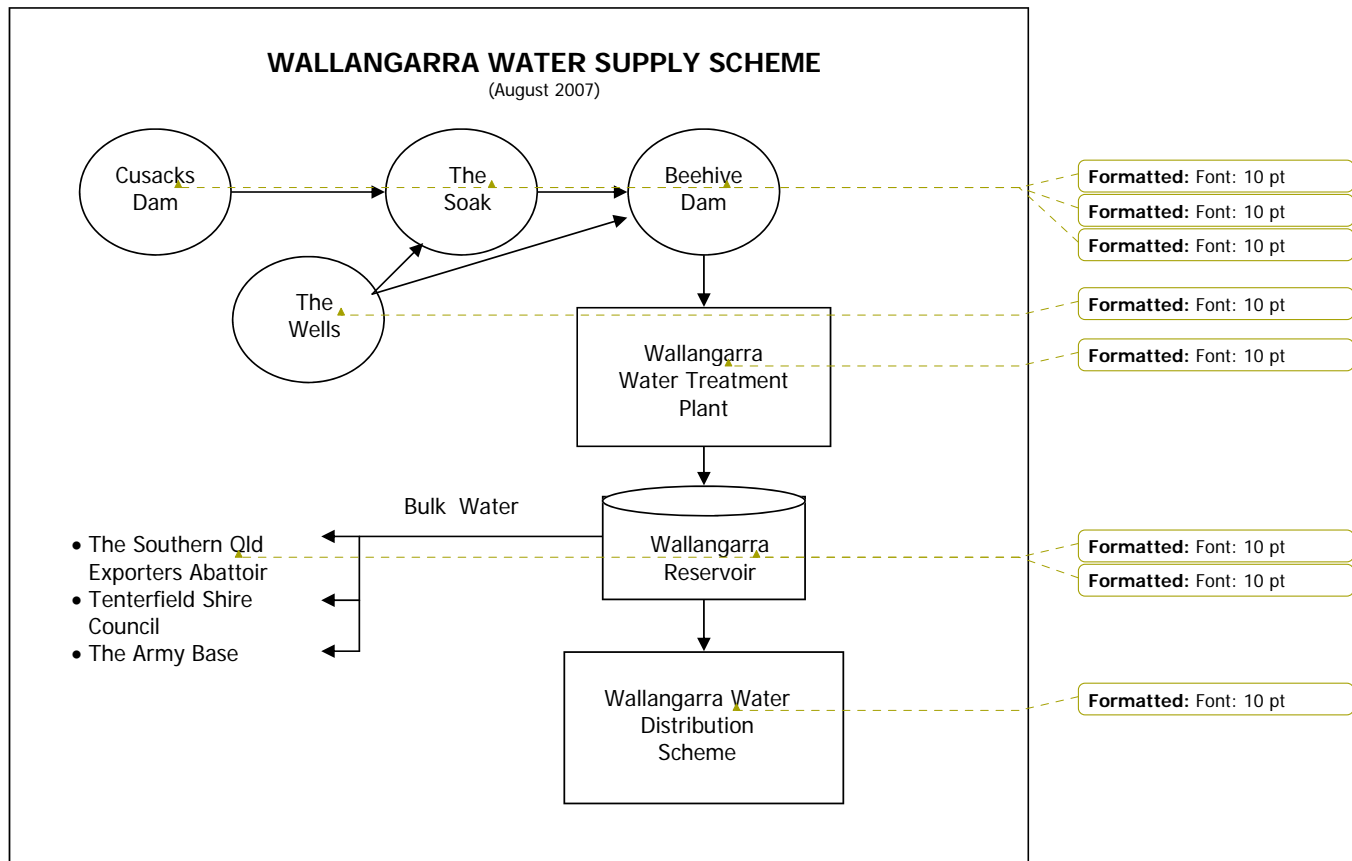




TABLE 4.6 Summary of the Wallangarra Water Supply Infrastructure

Scheme Name	Wallangarra Water Supply Scheme	
Source Facility	Beehive Dam (97 ML), The Soak (21.7 ML), The Wells (ground water source – unproven capacity & currently not making water), plus an annual 100 ML allocation from Cusacks Dam	Total Capacity = 218.7 ML
Treatment Plant	Name	Wallangarra Water Treatment Plant
	Capacity	1.5ML (~max daily capacity)
Reservoir	Name	Wallangarra Water Treatment Plant Reservoir
	Capacity	426 KL
Pump Stations	4 pump stations (raw water supply)	
Length of Pipelines	21.2 km mains (05/06 SAMP Review)	
Length of channels	N/A	

Figure 4.2 shows a schematic of the Wallangarra Water Supply Scheme



Map 4.2 a & 4.2 b shows a schematic layout of the Wallangarra Water Mains and Reticulation





4.4 WATER SOURCES ASSESSMENT

Table 4.6 A & B details the status of sources assessment work undertaken by Water Service Provider.

TABLE 4.6 A: Source Assessment - Stanthorpe

Source	Rainfall Dependent Y / N	Date of Last Yield Review *1	Date of Next Planned Yield Review *2	Have Any Environmental Flow Requirements Been Considered? Y / N	Have Preliminary Cost Estimates Been Prepared for Future or Emergency Sources? *3	Have the Performance of the Current Sources Been Modelled in the Past 5 Years? *4
Current Sources: 1.Storm King Dam	Y	1997 Water Headworks Strategy Study for Stanthorpe and Wallangarra (SKM 1997)	None Planned	N	N	N
Future Sources: 1.Emu Swamp Dam (proposed)	Y	2007 Stanthorpe Water Supply Strategy: IQQM Modelling Report (SKM 2007)		Y	Y Stanthorpe Water Supply Dam Options Review , SKM 2005	N/A
Emergency Sources: (refer to additional notes) 1.Bores/Wells	Y				N– cost estimates will be provided when detailed investigation undertaken (3 mths prior to failure of town supply)	N
2.Weirs/Dams in vicinity of town (transported by tanker)	Y				N– cost estimates will be provided when detailed investigation undertaken (3 mths prior to failure of town supply)	N
3. Lake Leslie (Warwick Shire), Glenlyon Dam (Border Rivers) & Shirley Park Bore (Tenterfield Shire) - (transported by tanker)	Y				N– cost estimates will be provided when detailed investigation undertaken (3 mths prior to failure of town supply)	N

Notes:

*1. Reference to available technical reports where available.

*2. If current yield analysis is less than 5 years old not necessary to complete this column.

*3. Reference available reports if yes, if no, indicate when these cost will be prepared.

*4. Reference available reports etc.



TABLE 4.6 B: Source Assessment - Wallangarra

Source	Rainfall Dependent Y / N	Date of Last Yield Review *1	Date of Next Planned Yield Review *2	Have Any Environmental Flow Requirements Been Considered? Y / N	Have Preliminary Cost Estimates Been Prepared for Future or Emergency Sources? *3	Have the Performance of the Current Sources Been Modelled in the Past 5 Years? *4
Current Sources: 1.Beehive Dam	Y	1997 Water Headworks Strategy Study for Stanthorpe and Wallangarra (SKM 1997)	None Planned	N	N -	N
2.The Soak	N	1997 As above	None Planned	N	N	N
3. The Wells	N	1997 As above	None Planned	N/A	N	N
4.Allocation from Cusacks Dam	Y	1997 As above	None Planned	Y Refer Licence	N	N
Future Sources: 1. Increased allocation from Cusacks Dam	Y	1997 As above	None Planned	Y Refer Licence	Y (at current rate)	N
Emergency Sources: <i>(refer to additional notes)</i> 1.Underground water sources (new)	Y			N	N– cost estimates will be provided when detailed investigation undertaken (3 mths prior to failure of town supply)	N
2.Dams in vicinity of town (transport by tanker)	Y			N	N– cost estimates will be provided when detailed investigation undertaken (3 mths prior to failure of town supply)	N
3. Lake Leslie (Warwick Shire), Glenlyon Dam (Border Rivers) & Shirley Park Bore (Tenterfield Shire) - (transported by tanker)	Y			N	N– cost estimates will be provided when detailed investigation undertaken (3 mths prior to failure of town supply)	N



EMERGENCY SOURCES

Additional Notes

1. Underground water sources / Bores / Wells
No wells or bores have been identified at present
2. Dams in vicinity of town (transported by tanker)
A number of possible farm dams have been identified. Detailed investigation of the sites will not be undertaken until the water supply situation worsens due to staffing issues. It is anticipated that this investigation will be undertaken when approximately 3 months supply remains. The farm dams are of limited capacity and would provide limited respite only
3. Lake Leslie (Warwick Shire), Glenlyon Dam (Border Rivers) & Shirley Park Bore (Tenterfield Shire) – (transported by tanker)
The Warwick, Glenlyon & Tenterfield sources will have greater reliability however this can not be assessed with any surety at this time

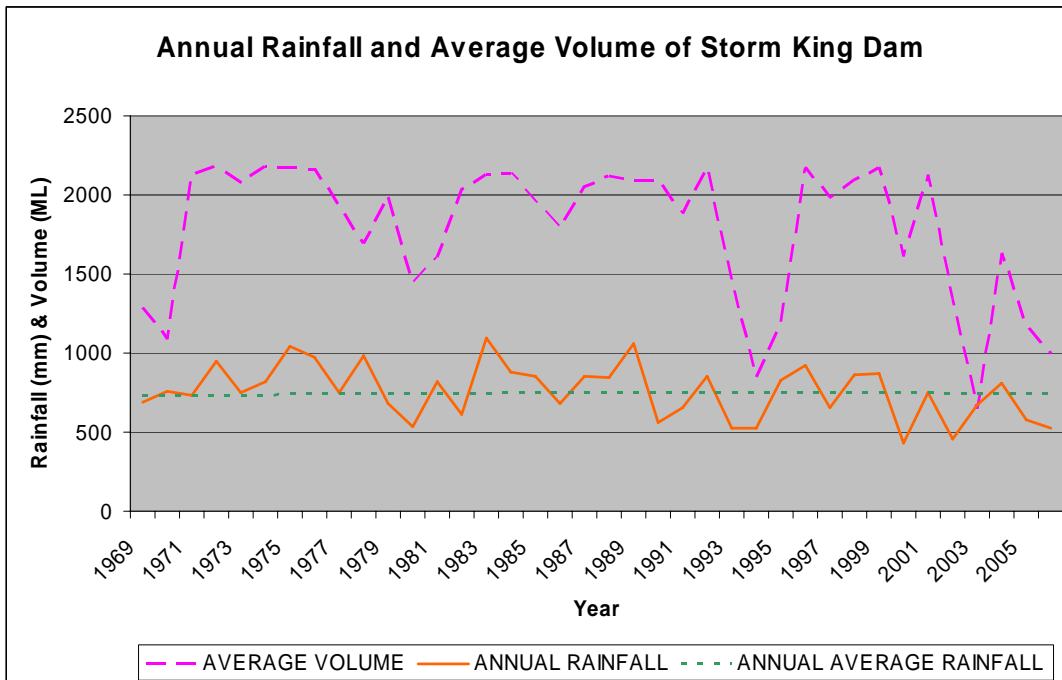
At this point there are no other practical contingency plans beyond carting water from the above mentioned sites. An assessment of these sources including historical performance in previous droughts is not practical to provide.

4.4.1 PAST PERFORMANCE REVIEW

STANTHORPE

Graph 4.1 outlines historical annual and average rainfall compared to the average volume of water in Storm King Dam.

GRAPH 4.1





Assessment of Stanthorpe drought frequency

Information is not readily available to make this assessment

Assessment of impacts on water quality

The water quality will decrease as water storages lower and it is considered that additional costs will be incurred to adequately treat the water to a potable standard

Stanthorpe water restrictions

In the last 32 years (1975-2007) Stanthorpe Shire Council has had water restrictions for a total of 4,972 days (14.7 years). This equates to Stanthorpe having some level of water restrictions for approximately 46% of the last 32 years.

Please see Appendix 1 for details of Stanthorpe's water restrictions levels and when they were imposed and lifted.

WALLANGARRA

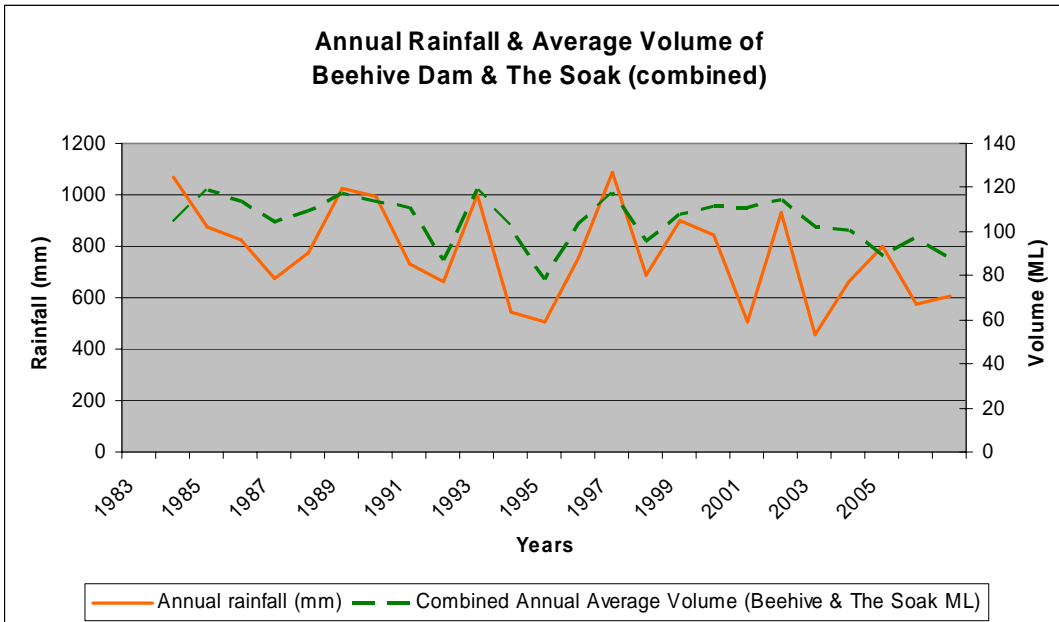
Water for the Wallangarra Water Supply Scheme comes from 4 sources; Beehive Dam, The Soak, The Wells and a 100ML allocation from Cusacks Dam. Because of the topography of Wallangarra water is transferred from one source to another. This mixing of the sources makes it difficult to ascertain the individual characteristics and performances of these water sources.

At present The Wells are unreliable and water is not currently being obtained from this source.

Cusacks Dam has a total capacity of 628 ML. Council has an annual allocation from this source of 100ML per year (1 Oct to 31 Sept). The allocation is used on an as needs basis.

Graph 4.2 outlines historical annual rainfall compared to the average volume of water in Bee Hive Dam and The Soak combined.

GRAPH 4.2





Assessment of Wallangarra drought frequency

Information is not readily available to make this assessment

Assessment of impacts on water quality

The water quality will decrease as water storages lower and it is considered that additional costs will be incurred to adequately treat the water to a potable standard

Wallangarra water restrictions

Incomplete data relating to water restrictions in Wallangarra doesn't allow for comments on the number of times or period of time that water restrictions have been in place.

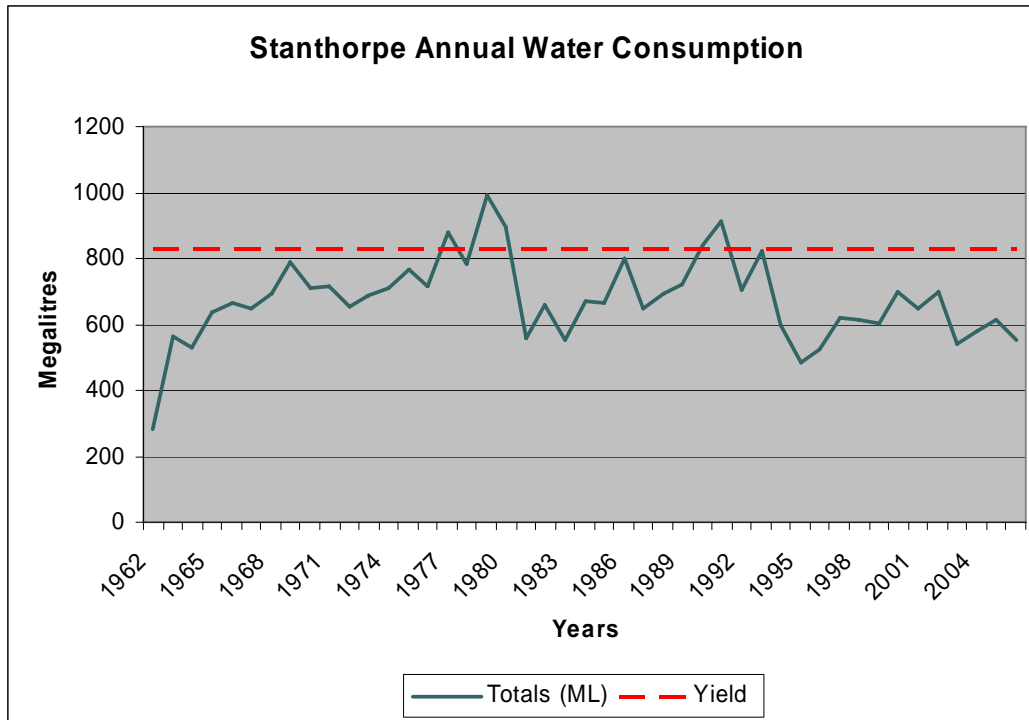


4.5 WATER CONSUMPTION

4.5.1 HISTORICAL CONSUMPTION

Graph 4.3 shows Stanthorpe's water consumption historically compared to the calculated annual yield of Storm King Dam of 830ML.

GRAPH 4.3



Graph 4.4 shows Wallangarra's water consumption historically compared to the calculated annual yield of the Wallangarra water supply.

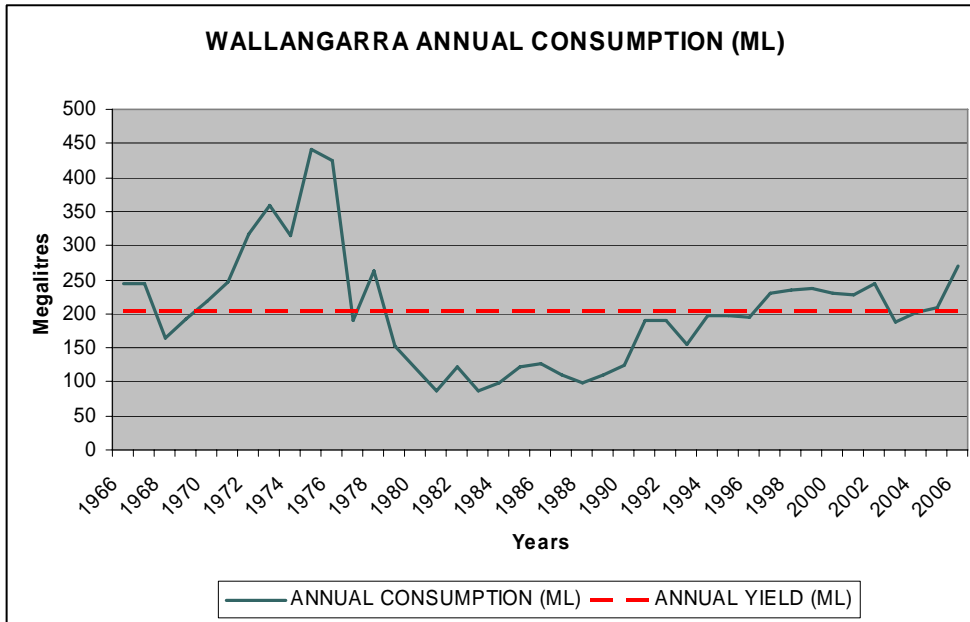
Wallangarra's water supply consists of 3 sources, (Beehive Dam, The Soak and The Wells) as well as a 100ML annual allocation from Cusacks Dam.

The yields of the existing water sources were calculated in the Water Headworks Strategy Study for Stanthorpe and Wallangarra (SKM 1997).

There is insufficient data available to enable the annual yield to be accurately determined. The estimated yield has been determined as 205ML /yr (SKM 1997).



GRAPH 4.4



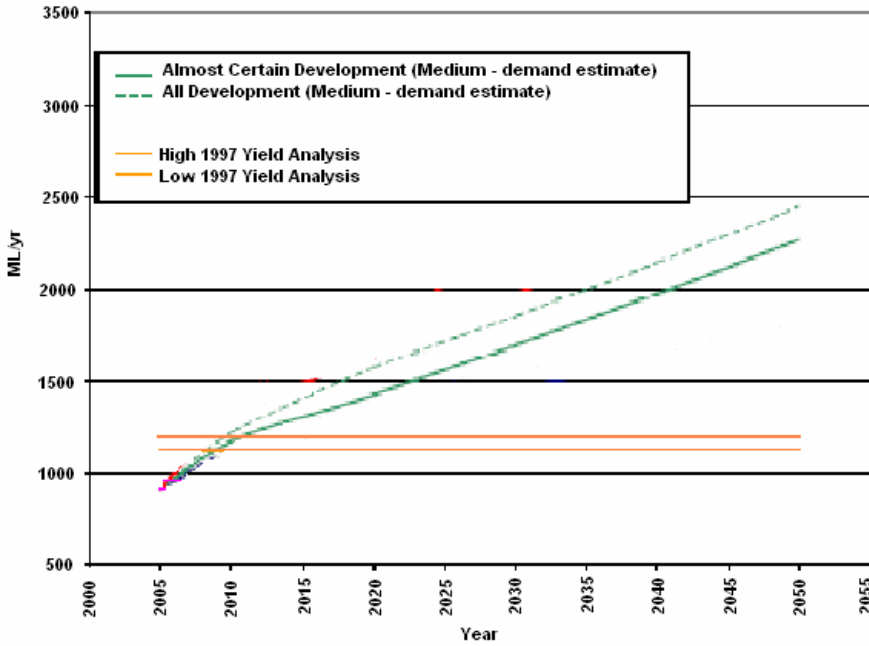


4.5.2 PROJECTED CONSUMPTION

Graph 4.5 compares available water supplies and estimated available yield for all water supply services in the Stanthorpe Shire. This is sourced from Stanthorpe Shire Water Opportunities: Urban Water Needs Analysis (SKM 2006).

Stanthorpe Shire Council is currently working through the initial investigation and approval stage for a new water supply dam at Emu Swamp. As this dam has not yet been approved it is not considered relevant to show its projected yield at this time.

GRAPH 4.5: Urban Water Demands V's Availability





5.0 DROUGHT MANAGEMENT PLAN

5.1 GENERAL

This Drought Management Plan addresses both Stanthorpe Shire Councils' ongoing water conservation strategy and its drought response plan. It is important that the community understands the difference between the two. Restrictions which are part of the water conservation strategy are ongoing and intended to ensure that we adopt sustainable water use practices as part of our normal way of life. Restrictions which are introduced in response to a drought or other temporary water shortage event will only be implemented to various levels during the drought or event and will be lifted when conditions return to normal.

5.2 RESTRICTIONS TRIGGER LEVELS

The most effective way to reduce water consumption is to introduce water restrictions. Water restrictions allow the water source to last longer under a variety of usage and drought scenarios taking into account future population growth. Under the Water Act 2000, Sections 388 and 389, Stanthorpe Shire Council has the legal power to determine, implement and enforce water restrictions.

Table 5.1 details consumption targets for each level of restrictions for schemes under Stanthorpe Shire Council's control.

TABLE 5.1: Trigger Levels & Consumption Targets

Restriction Level	Trigger Guide (based on storage %)*	Target Consumption (without new dam)	Target Consumption (with new dam)**
0	Base Level	250L/p/day	300L/p/day by 2010
1	70%	210 L/p/day	210 L/p/day
2	60%	190 L/p/day	190 L/p/day
3	50%	170 L/p/day	170 L/p/day
4	40%	150 L/p/day	150 L/p/day
5	30%	140 L/p/day	140 L/p/day
6	20%	130 L/p/day	130 L/p/day

* For the Wallangarra Water Supply Scheme the storage percentage is based on combined storage percentage of Beehive Dam, The Soak and how much of the 100ML allocation is remaining. As The Wells are unreliable and the capacity is unproven it is not included.

** Council is in the process of gaining approval to build a new water supply dam for the Shire. If Council is successful, upon completion of the dam, residents will have access to a more reliable water source. While Council is not encouraging excessive use of water, this new source will allow residents the opportunity to access more water in a sustainable manner, hence the higher target with the new dam.

There are no separate targets for industrial/commercial customers at this time because as certain levels of restrictions are reached, certain industrial/commercial users will automatically trigger the need for a business water efficiency plan.



5.3 RESTRICTION LEVELS

Consultation

Stanthorpe Shire Council has an extensive history of water restrictions. The restriction levels have been developed and adapted over this extended period of time.

As part of the current water situation and the need to develop the Drought Management Plan, all the high water consumers within the Shire were identified and consulted. Discussions were held in regard to their water needs, current usage and the potential for reductions.

Internal consultation with Stanthorpe Shire Council Parks & Gardens section was undertaken to develop the detailed restrictions for public spaces.

The Wallangarra Meat Works (Southern Queensland Exporters Pty Ltd) are major water user for the Wallangarra Water Supply System. There are ongoing discussions with the meat works and steps have been undertaken by management to reduce their water consumption. Initiatives that have been put in place include the use of effluent water to wash down the yard area, installation of water saving devices and the enforcement of water saving practices.

As they are the Shire's largest water users Council sees it as appropriate to set water restriction levels and targets specifically for them. This will require consultation and negotiation with the meat works. Council aims to undertake this process within the next 6 months.

There are no contractual rights for Council to consider.

Table 5.2 sets out details of restrictions on the use of water from Stanthorpe Shire Councils Water Supply Schemes.



TABLE 5.2: Restriction Levels

Notes: Allocated 3 days are: Odd street numbers or no number – Sunday, Tuesday & Thursday
Even street numbers – Saturday, Monday & Wednesday
Allocated 1 day is: Odd street numbers or no number – Sunday
Even street numbers – Saturday
Seasonal variations in times can be decided by the Drought Management Response Team.
Generally winter restriction hours are 1-2pm and summer restriction hours are 5-6pm

Restrictions on the Use of Water from Stanthorpe Shire Council's Water Supply Systems

PURPOSE	RESTRICTION ON USE OF WATER						
	Level 0	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
1. Domestic Use	250L/p/day	210 L/p/day	190 L/p/day	170 L/p/day	150 L/p/day	140 L/p/day	130 L/p/day
2. Private gardens - watering	<p>1. Sprinklers can be used on three days.</p> <p>1. Hand held hoses, watering cans or buckets can be used on three days.</p> <p>2. Micro spray and drip systems fitted with timers can be used on three days.</p>	<p><u>Garden Beds/Shrubbery Areas</u></p> <p>1. Sprinklers must not be used at any time.</p> <p>2. Hand held hoses, watering cans or buckets can be used for 1 hour on 3 days.</p> <p>3. Micro spray and drip systems fitted with timers can be used for 1 hour on 3 days.</p> <p><u>Lawn Areas</u></p> <p>1. Micro spray and drip systems can be used for 1 hour on 3 days.</p> <p>Hand held hoses, watering cans or buckets can be used for 1 hour on 3 days.</p>	<p><u>Garden Beds/Shrubbery Areas</u></p> <p>1. Sprinklers must not be used at any time.</p> <p>2. Hand held hoses, watering cans or buckets can be used for 1 hour on 3 days.</p> <p>3. Micro spray and drip systems fitted with timers can be used for 1 hour on 3 days.</p> <p><u>Lawn Areas</u></p> <p>Lawn areas must not be watered at any time.</p>	<p><u>Garden Beds/Shrubbery Areas</u></p> <p>1. Sprinklers must not be used at any time.</p> <p>2. Hand held hoses must not be used at any time</p> <p>3. Micro spray and drip systems fitted with timers can be used for 1 hour on 3 days</p> <p>4. A watering can or bucket filled directly from a tap can be used for 1 hour on 3 days.</p> <p><u>Lawn Areas</u></p> <p>Lawn areas must not be watered at any time.</p>	<p><u>Garden Beds/Shrubbery Areas</u></p> <p>1. Sprinklers, micro spray and drip systems must not be used at any time.</p> <p>2. Hoses must not be used at any time.</p> <p>3. A watering can or bucket filled directly from a tap can be used 1 hour on 1 day</p> <p><u>Lawn Areas</u></p> <p>Lawn areas must not be watered at any time.</p>	<p><u>Garden Beds/Shrubbery Areas</u></p> <p>1. Sprinklers, micro spray and drip systems must not be used at any time.</p> <p>2. Hoses must not be used at any time.</p> <p>3. Watering cans or buckets must not be used at any time</p> <p><u>Lawn Areas</u></p> <p>Lawn areas must not be watered at any time.</p>	As for Level 5, as restrictions cannot be tightened any further.



<p>3. Public gardens - watering</p>	<p>Please refer Appendix 2 for the schedule of restrictions on public watering</p>	<p>Please refer Appendix 2 for the schedule of restrictions on public watering</p>	<p>Please refer Appendix 2 for the schedule of restrictions on public watering</p>	<p>Please refer Appendix 2 for the schedule of restrictions on public watering</p>	<p>Please refer Appendix 2 for the schedule of restrictions on public watering</p>	<p>Please refer Appendix 2 for the schedule of restrictions on public watering</p>	<p>Please refer Appendix 2 for the schedule of restrictions on public watering</p>
<p>4. Private gardens and public gardens - filling or topping up of ponds</p>	<p>No restrictions.</p>	<p>Existing ponds can only be topped up to their normal level and only by means of hand held hoses or by means of watering cans or buckets filled directly from taps within set restriction times.</p>	<p>1. Newly constructed ponds must not be filled for the first time without the written permission of the Council. 2. Existing ponds can only be topped up to their normal level and only by means of hand held hoses or by means of watering cans or buckets filled directly from taps within set restriction times.</p>	<p>1. Newly constructed ponds must not be filled. 2. Existing ponds can only be topped up to their normal level and only by means of watering cans or buckets filled directly from taps within set restriction times.</p>	<p>Existing ponds sustaining fish or bird life can only be topped up to their normal level and only by means of a watering can or bucket filled directly from taps within set restriction times.</p>	<p>Existing ponds sustaining fish or bird life can only be topped up using alternate water source. No town water to be used.</p>	<p>Existing ponds sustaining fish or bird life can only be topped up using alternate water source. No town water to be used</p>
<p>5. Fountains</p>	<p>No restrictions.</p>	<p>1. Fountains must not operate unless they recycle water. Water lost from fountains must not be replaced except by means of hand held hoses or by means of watering cans or buckets filled directly from taps within set restriction times.</p>	<p>1. Fountains must not operate unless they recycle water. 2. Water lost from fountains must not be replaced.</p>	<p>Fountains must not operate.</p>	<p>Fountains must not operate.</p>	<p>Fountains must not operate</p>	<p>Fountains must not operate</p>



<p>6. Paved areas - cleaning</p>	<p>No restrictions.</p>	<p>1. Water must not be used to clean private paved areas unless cleaning is required as a result of an accident, fire, health hazard or other emergency.</p> <p>2. A hose fitted with a trigger nozzle can be used to clean commercial paved areas within set restriction times</p>	<p>1. Water must not be used to clean private paved areas unless cleaning is required as a result of an accident, fire, health hazard or other emergency.</p> <p>2. A hose fitted with a trigger nozzle or a high pressure gurney can be used to clean commercial paved areas within set restriction times</p>	<p>1. Water must not be used to clean paved areas unless cleaning is required as a result of an accident, fire, health hazard or other emergency.</p> <p>2. A hose fitted with a trigger nozzle or a high pressure gurney can be used to clean commercial paved areas within set restriction times</p>	<p>1. Water must not be used to clean paved areas unless cleaning is required as a result of an accident, fire, health hazard or other emergency.</p> <p>2. A hose fitted with a trigger nozzle or a high pressure gurney can be used to clean commercial paved areas within set restriction times</p>	<p>1. Water must not be used to clean paved areas unless cleaning is required as a result of an accident, fire, health hazard or other emergency.</p> <p>2. Commercial enterprises must not clean paved areas unless they are implementing a water use efficiency plan approved by Council</p>	<p>Water must not be used to clean paved areas unless cleaning is required as a result of an accident, fire, health hazard or other emergency.</p>
<p>7. Private swimming pools or spas – filling or topping up</p>	<p>New Swimming pools can be filled up within garden watering times.</p> <p>Existing pools may be topped up within garden watering times.</p>	<p>1. Newly constructed swimming pools and spas must not be filled for the first time without the written permission of Council.</p> <p>2. Existing swimming pools and spas must not be topped up except by means of hand held hoses, or by means of watering cans or buckets filled directly from taps within set restriction times.</p>	<p>1. Newly constructed swimming pools and spas must not be filled for the first time without the written permission of Council. Pools must be fitted with an approved cover.</p> <p>2. Existing swimming pools and spas must not be topped up except by means of hand held hoses, or by means of watering cans or buckets filled directly from taps within set restriction times.</p>	<p>1. Newly constructed swimming pools and spas must not be filled for the first time without the written permission of Council . Pools must be fitted with an approved cover.</p> <p>2. Existing swimming pools and spas must not be topped up except from an alternate water source</p>	<p>1. Newly constructed swimming pools and spas must not be filled.</p> <p>2. Existing swimming pools and spas must not be topped up or filled with town water. Alternate sources can be used.</p>	<p>1. Newly constructed swimming pools and spas must not be filled.</p> <p>2. Existing swimming pools and spas must not be topped up or filled with town water. Alternate sources can be used.</p>	<p>No swimming pool may be filled or topped up from any source.</p>



<p>8. Properties outside the reticulated area.</p>	<p>1. Farm dams are not to be topped up 2. Tanks for domestic purposes can be topped up. See Note One 3. Tanks for Commercial or Industrial Uses in a Rural Area can only be topped up with written permission from Council</p>	<p>1. Farm dams are not to be topped up 2. Tanks for domestic purposes can be topped up. See Note One 3. Tanks Commercial or Industrial Uses in a Rural Area can only be topped up with written permission from Council</p>	<p>1. Farm dams are not to be topped up 2. Tanks for domestic purposes can be topped up. See Note One. 3. Tanks for Commercial or Industrial Uses in a Rural Area can only be topped up with written permission from Council</p>	<p>1. Farm dams are not to be topped up 2. Tanks for domestic purposes can be topped up. See Note One 3. Tanks Commercial or Industrial Uses in a Rural Area can only be topped up with written permission from Council</p>	<p>1. Farm dams are not to be topped up 2. Tanks for domestic purposes can be topped up. See Note One 3. Tanks for Commercial or Industrial Uses in a Rural Area can only be topped up with written permission from Council</p>	<p>1. Farm dams are not to be topped up 2. Tanks for domestic purposes can be topped up. See Note One. 3. Tanks for Commercial or Industrial Uses in a Rural Area can only be topped up if that business is implementing a water use efficiency plan approved by Council</p>	<p>Businesses must implement specific provisions in their approved water use efficiency plans for Level 6</p>
<p>9. Sports grounds - watering</p>	<p>Sprinklers allowed Wednesdays, Fridays and Sundays, between the hours of 7pm and 7am only</p>	<p>1. Sprinklers, micro spray or drip systems, can be used between 8.00 a.m. to 10.00 a.m. and 8.00 p.m. to 10.00 p.m. 2. Hand held hoses, watering cans or buckets can be used at any time.</p>	<p>Sports grounds must not be watered except - (a) Sprinklers, micro sprays or drip systems between the hours of 8.00 a.m. to 10.00 a.m. and 8.00 p.m. to 10.00 p.m., or (b) With hand held hoses immediately before or at the time of use; or (c) With watering cans or buckets filled directly from taps</p>	<p>Sports grounds must not be watered except - (a) With hand held hoses on surfaces to be used for a scheduled Regional or State professional sporting competition; or (b) With watering cans or buckets filled directly from taps</p>	<p>Sports grounds are not to be watered except with alternate water</p>	<p>Sports grounds are not to be watered except with alternate water</p>	<p>Sports grounds are not to be watered except with alternate water</p>



<p>10. Plant nursery – watering of plants</p>	<p>No restrictions.</p>	<p>No restrictions.</p>	<p>No restrictions.</p>	<p>1. Sprinklers must not be used except between the hours of 11.00 p.m. to 7.00 a.m. 2. Hand held hoses, watering cans or buckets can be used at any time.</p>	<p>1. Sprinklers must not be used without the written permission of Council. 2. Hand held hoses, watering cans or buckets can be used at any time</p>	<p>No watering unless the business is implementing a water use efficiency plan approved by Council</p>	<p>Businesses must implement specific provisions in their approved water use efficiency plans for Level 6</p>
<p>11. Mobile water tankers - filling</p>	<p>No schedules.</p>	<p>Mobile water tankers must not be filled except – (a) Tankers supplying water for use inside domestic premises See Note One. (b) Tankers supplying water for use in businesses outside the reticulated area that have written permission from Council</p>	<p>Mobile water tankers must not be filled except – (a) Tankers supplying water for use inside domestic premises. See Note One (b) Tankers supplying water for use in businesses outside the reticulated area that have written permission from Council</p>	<p>Mobile water tankers must not be filled except – (a) Tankers supplying water for use inside domestic premises. See Note One (b) Tankers supplying water for use in businesses outside the reticulated area that have written permission from Council</p>	<p>Mobile water tankers must not be filled except – (a) Tankers supplying water for use inside domestic premises. See Note One (b) Tankers supplying water for use in businesses outside the reticulated area that have written permission from Council</p>	<p>Mobile water tankers must not be filled except – a. Tankers supplying water for use inside domestic premises. See Note One Tankers can supply water for use in businesses outside reticulations area only if the business is implementing a water use efficiency plan approved by Council. (but not Jennings)</p>	<p>Businesses must implement specific provisions in their approved water use efficiency plans for Level 6</p>



<p>12. Motor vehicle dealers' vehicles - cleaning</p>	<p>Hose must be fitted with a trigger control nozzle for cleaning vehicles by hand.</p>	<p>Water must not be used to clean vehicles except by means of -</p> <p>(a) Watering cans or buckets filled directly from taps; or</p> <p>(b) Trigger hoses which can be used only to rinse vehicles after washing.</p>	<p>Water must not be used to clean vehicles except by means of -</p> <p>(a) Watering cans or buckets filled directly from taps; or</p> <p>(b) Trigger hoses which can be used only to rinse vehicles after washing.</p>	<p>Water must not be used to clean vehicles except by means of -</p> <p>(a) Watering cans or buckets filled directly from taps; or</p> <p>(b) Trigger hoses which can be used only to rinse vehicles after washing.</p>	<p>Water must not be used to clean vehicles except by means of watering cans or buckets filled directly from taps.</p> <p>The initial cleaning of a vehicle when it is delivered to the premises to ready it for sale may be carried out using a high pressure gurney while minimizing the amount of water used</p>	<p>No water to be used to clean vehicles unless the business is implementing a water use efficiency plan approved by Council.</p>	<p>Businesses must implement specific provisions in their approved water use efficiency plans for Level 6</p>
<p>13. Food transport vehicles - cleaning</p>	<p>No restrictions.</p>	<p>Water must not be used to clean vehicles except by means of -</p> <p>(a) Trigger hoses; or</p> <p>(b) Watering cans or buckets filled directly from taps.</p>	<p>Water must not be used to clean vehicles except by means of -</p> <p>(a) Trigger hoses; or</p> <p>(b) Watering cans or buckets filled directly from taps.</p>	<p>Water must not be used to clean vehicles except by means of -</p> <p>(a) Trigger hoses; or</p> <p>(b) Watering cans or buckets filled directly from taps.</p>	<p>Water must not be used to clean vehicles unless required for health and safety reasons.</p>	<p>Water must not be used to clean vehicles unless required for health and safety reasons</p>	<p>Water must not be used to clean vehicles unless required for health and safety reasons</p>
<p>14. Other vehicles - cleaning</p>	<p>(a) Hoses must be fitted with a trigger control nozzle for cleaning vehicles by hand.</p> <p>(b) No limitations apply to automatic car washing systems with recirculation systems.</p>	<p>Water must not be used to clean vehicles except by means of -</p> <p>(a) Automatic washing systems which recycle at least 60% of water used; or</p> <p>(b) Commercial car wash facilities using trigger hoses; or</p> <p>(c) Watering cans or buckets filled directly from taps for 1 hour on 3</p>	<p>Water must not be used to clean vehicles except by means of -</p> <p>(a) Automatic washing systems which recycle at least 70% of water used; or</p> <p>(b) Commercial car wash facilities using trigger hoses; or</p> <p>(c) Watering cans or buckets filled directly from taps for 1 hour on 3</p>	<p>Water must not be used to clean vehicles except by means of -</p> <p>(a) Automatic washing systems which recycle at least 80% of water used; or</p> <p>(b) Commercial car wash facilities using trigger hoses; or</p> <p>(c) Watering cans or buckets filled directly from taps; for 1 hour</p>	<p>Water must not be used to clean vehicles unless cleaning is required for health or safety reasons.</p> <p>Water from a bucket can be used to clean windows/mirrors/lights.</p> <p>Cleaning for health and safety reasons may be undertaken using -</p> <p>(a) Automatic washing systems which recycle at least 90% of water used; . Any</p>	<p>Water must not be used to clean vehicles unless cleaning is required for health or safety reasons.</p> <p>Water from a bucket can be used to clean windows/mirrors/lights.</p> <p>Cleaning for health and safety reasons may be undertaken using -</p> <p>(a) Automatic washing systems which recycle at least 95% of water used . . Any</p>	<p>As per Level 5</p>



		days; or (d) Trigger hoses which can be used only to rinse vehicles after washing for 1 hour on 3 days.	days or (d) Trigger hoses which can be used only to rinse vehicles after washing for 1 hour on 3 days.	on three days	topping up of water for the car wash must only be from an alternate water source or (b) Commercial car wash facilities using alternate water sources	topping up of water for the car wash must only be from an alternate water source or (b) Commercial car wash facilities using alternate water sources	
15. Construction industry - use of water in	No restrictions.	Unless otherwise exempted by Council in writing, hoses must not be used except trigger hoses.	Unless otherwise exempted by Council in writing, hoses must not be used except trigger hoses.	Unless otherwise exempted by Council in writing, hoses must not be used except trigger hoses.	Hoses must not be used except trigger hoses.	Water can not be used unless the business is implementing a water use efficiency plan approved by Council.	Businesses must implement specific provisions in their approved water use efficiency plans for Level 6
16. Cleaning of exterior walls, roofs etc	No restrictions	Only a high pressure gurney may be used and the operator must minimize water use	Only a high pressure gurney may be used and the operator must minimize water use	Only a high pressure gurney may be used and the operator must minimize water use.	Water must not be used without the written permission of Council.	Water must not be used without the written permission of Council.	Water must not be used without the written permission of Council.
17. Commercial and industrial uses within reticulated area	No restrictions.	No restrictions.	No restrictions.	No restrictions.	Businesses will be provided with advice from the Resource Officer – Water and Sewerage on water use efficiency. Businesses will be encouraged and supported to both develop a business water use efficiency plan and to immediately introduce simple water efficiency practices that involve little or no capital cost	Water can not be used unless the business is implementing a water use efficiency plan approved by Council.	Businesses must implement specific provisions in their approved water use efficiency plans for Level 6



18. Council's Washdown Bay	No restrictions	No restrictions	No restrictions	No restrictions	Users can only access the washdown bay with permission of Depot Staff. Only stock trucks and Council's garbage trucks can use the washdown bay.	Users can only access the washdown bay with permission of Depot Staff. Only stock trucks and Council's garbage trucks can use the washdown bay	Council will investigate the use of alternate water sources for the washdown bay
19. Other uses	Water must not be used without the written permission of Council.	Water must not be used without the written permission of Council.	Water must not be used without the written permission of Council.	Water must not be used without the written permission of Council.	Water must not be used without the written permission of Council.	Water must not be used without the written permission of Council.	Water must not be used without the written permission of Council.

Note: Council has resolved that water for domestic purposes obtained from the Council standpipe may be delivered to any house within the following areas:

- Stanthorpe Shire
- Tenterfield Shire – area adjacent to Jennings
- Tenterfield Shire – Liston area between Rivertree and Harrigans Lane
- Warwick Shire – Dalveen area to Braeside



6.0 IMPLEMENTATION

6.1 DROUGHT MANAGEMENT RESPONSE TEAM

Stanthorpe Shire Council has established the following Drought Management Response Team to be convened by the Chairman on an “as needs” basis to oversee the implementation of restrictions, review performance, conduct post event reviews and recommend any changes to the Drought Management Plan.

Chairperson: Stanthorpe Shire Council Mayor

Team Members: Chief Executive Officer, Director of Engineering Service, Resource Officer – Water & Sewerage

6.2 AUTHORISING PROVISIONS

Imposing, amending & withdrawing water restrictions

Stanthorpe Shire Council has the authority under section 388 of the *Water Act 2000* to impose water restrictions.

The CEO has delegated authority to impose restrictions in response to the onset of drought conditions, a natural disaster or major operational event.

During the management of a drought event the CEO has delegated authority to vary the level of restrictions, particularly in relation to the easing of restrictions following a significant rainfall event.

Where delegated Authority is given it is essential that systems are in place to ensure that staff are informed of the decisions taken prior to a public announcement.

Granting exemptions

Guidelines for the granting of exemptions need to be developed and agreed prior to the announcement of restrictions or a change in restrictions and an appropriate level officer authorised to consider and authorise exemptions.

Once the guidelines are in place the Resource Officer – Water & Sewerage has the delegated authority to grant exemptions.



6.3 ENFORCEMENT

'Dob in thy Neighbour'

Experience elsewhere suggests that in the first instance Stanthorpe Shire Council should continue to encourage a philosophy of "working with the community" in times of restrictions. People should be encouraged to report misuse and breaches of restriction through the current 'Dob in thy Neighbour' program.

Appointed authorised persons with Stanthorpe Shire Council have the authority under The Water Act 2000 to issue verbal reminders, written warnings and fines to residents who breach water restrictions.

Water Patrol Officer

A Water Patrol Officer is employed by Stanthorpe Shire Council to issue warnings and fines (in accordance with the *Water Act 2000* s389) when water restrictions are in place.

6.4 EXEMPTIONS

Exemptions to restrictions at each Level may be granted by Stanthorpe Shire Council if it is considered that reasonable grounds for such exemptions have been presented to it in writing on the application form in Appendix 2 to this plan.

Any exemptions granted under this authority may be granted unconditionally or on specific conditions and exemptions may be granted either totally or in part to the extent specified in Stanthorpe Shire Councils approval notification letter.

In most if not all cases, exemptions granted should be for a specified period of time not exceeding the term of the particular level of restrictions for which the exemption is granted. When restrictions are granted, unless otherwise specifically stated in the letter of approval, all approved exemptions should automatically be withdrawn when the level of restriction change and customers seeking further exemptions must re-apply.

Customers granted exemptions should be provided with a letter of approval specifying details of the exemption, the reason for the exemption and the duration of the exemption. This not only makes administration of the process easier but ensures customers have documentation to produce if challenged.



6.5 COMMUNICATIONS PLAN

Stanthorpe Shire Council's communication plan includes:

Advertising of restrictions

The implementation, changes and withdrawal of restrictions are to be advertised by:

- o An ad in The Border Post (and in Our Shire), Tenterfield Star and The Southern Free Times
- o A post box drop (if deemed necessary)
- o Being posted on Councils web site
- o Development and distribution of fact sheets outlining details about each water restriction level

Education

To enhance the communities' awareness about the increasing need for water conservation measures during drought times the following may be undertaken;

- o Publishing storage levels and consumption vs target in local paper
- o Notices in rates and water notices
- o Implementation of Water Use Efficiency Plan (which will include a Water Wise program)
- o Details of storage levels and consumption vs target on Councils web site

6.6 MONITORING PLAN

Stanthorpe Shire Council undertakes the following monitoring and reporting:

Effectiveness of restrictions

Consumption levels are recorded on a daily basis by the Water Officers at both Stanthorpe and Wallangarra. This information is reported to the Engineering Section on a daily/weekly or monthly basis depending on the severity of the situation.

Consumption levels can then be converted to L/p/day for comparison against relevant targets.

Consumption vs target is be reported to Council monthly.

Ongoing status of water supply

Dam levels are monitored monthly (or weekly/daily depending on the severity of the situation) by Water Officers at both Stanthorpe and Wallangarra. This information is reported to the Engineering Section as required.

Percentage of water available and volume remaining can then be calculated for comparison against trigger values.

As a trigger value is reached it needs to be reported to the CEO for restrictions to be implemented or increased and Council advised. Dam levels, percentages and volume are reported to Council monthly.



6.7 EXTERNAL ASSISTANCE

Table 6.1 provides a list of agencies, private companies and individuals who may be able to assist in maintaining supply or who may be able to provide access to alternative/emergency supplies.

TABLE 6.1

Organisation	Contact Person	Contact Details	Type of Service/Role
DEPARTMENTS			
Department of Natural Resources and Mines	Bevan Vanderwolf	4661 0225	License requirements
Department of Local Government, Planning, Sport and Recreation			Drought assistance funding
ALTERNATE WATER SOURCES			
Border Rivers Commission (Glen Lyon Dam)			Permission to access water
Warwick City Council (Lake Leslie)			Permission to access water
Tenterfield Shire Council (Shirley Park Bore)			
	Brian Sprinborg (Wallangarra)	4684 3079	Permission to access water
WATER TANKERS			
A & AJ Lofaro	Tony Lofaro	4683 5227	20,000L water tanker + 7,000L trailer + access to 37,000L tanker
	D & O Rizzato	0428 791 455	20,000L water tanker
Digger Holdings Pty Ltd	Geoff Carter	4683 5279	13,000L water tanker
LK Boan	LK Boan	0404516974	10,000L water tanker
R & M Ricossa	Remo Ricossa	4683 6391	7,000L water tanker
Lancuba's Fruit Mart	J & P Lancuba	4683 2448	5,500L water tanker
Brole Pty Ltd (Ipswich)	Brett Kelly	0418 745 649 3374 4222	17,000L water tanker
BOTTLED WATER SUPPLIERS			
Cherry Lane Nursery	Barry Neilson	4681 1298	Bottled water suppliers
Stanthorpe Aerated Waters		4681 2113	Bottled water suppliers



APPENDIX 1

Historical water restrictions – Stanthorpe & Wallangarra

Details of Restrictions in Force for Stanthorpe and Wallangarra

Date	Storm King Dam Level (btwl)	Percentage of Full Capacity	Stanthorpe	Wallangarra
16/12/1975	Data unavailable		Restrictions imposed	
20/01/1977	3.05m on 11/1/77	28%		Restrictions imposed
03/02/1977	0.61m in Jan. report	98%	Ban on sprinklers and unattended devices, midnight to 5/2/77 midnight	
17/02/1977	0.46m in Feb. report and 0.61m in Jan. report	99%		Restrictions tightened
02/03/1977	full on 12/4/77	100%		Restrictions lifted (However, sprinklers and unattended devices remained in force)
16/08/1977	0.05m on 9/8/77	approx.100 %	Restrictions tightened	Restrictions tightened
16/09/1977	0.12m on 9/9/77	99%		Restrictions tightened - Ban on sprinklers
25/10/1977	0.36m on 12/10/77	91%		Restrictions tightened - Ban on Hoses
29/11/1977	0.55m on 3/11/77	87%		Restrictions imposed
16/12/1977	0.71m on 7/12/76	81%		Restrictions tightened (Ban on hand held hoses and all sprinklers)
21/12/1977	1.09m on 1/1/78	69%	Restrictions tightened	Restrictions tightened (Ban on hand held hoses and all sprinklers)
10/02/1978	1.02m in Jan. report	69%		Restrictions imposed
10/03/1978	1.41m on 9/3/78	73%		Restrictions tightened - ban on sprinklers
26/10/1978	full on 9/10/78	100%	Restrictions tightened	

18/01/1979	3.35m in Jan. report	23%	Restrictions tightened	
04/12/1979	3.66m on 7/12/79	21%	Ban on sprinklers (Electricity Power Cuts)	
05/01/1980	Data unavailable		Restrictions imposed - ban on sprinklers on Sundays	
22/01/1980	Data unavailable		Restrictions tightened - ban on sprinklers and unattended hoses from 12 noon to 12 noon on 23/1	
29/01/1980	Data unavailable			Restrictions tightened
25/03/1980	0.94m on 8/2/80	72%	Restrictions tightened - ban on sprinklers and unattended hoses	Ban on sprinklers from Midnight to Midnight, 26/3 (cleaning Reservoir)
24/04/1980	1.65m on 8/4/80	55%	Restrictions tightened	Restrictions tightened
29/05/1980	1.84m in Apr. report	48%	Restrictions tightened	Restrictions tightened
11/09/1980	0.41m in Aug. report	99%	Restrictions tightened	Restrictions tightened
23/10/1980	0.71m on 6/11/80	81%	Restrictions tightened	Restrictions tightened
20/11/1980	0.97m on 6/11/80	68%	Restrictions tightened	Restrictions tightened
04/12/1980	1.22m on 3/12/80	66%	Restrictions tightened	Restrictions tightened
24/02/1981	1.84m on 4/2/81	48%	Restrictions tightened	
30/06/1981	1.42m on 9/6/81 0.88m on 6/7/81	73% on 9/6/81 74% on 6/7/81	Restrictions tightened	
25/08/1981	full on 1/9/81 0.85m on 4/8/81	100% on 1/9/81 74% on 4/8/81	Restrictions tightened	Restrictions tightened
13/05/1982	full on 4/5/82	100%	Restrictions lifted	Restrictions lifted
08/02/1983	0.12m	99%		Ban on sprinklers and hand held hoses from Midnight to Midnight, 9/2 (cleaned filter system)
22/05/1988	full	100%		Ban on sprinklers from Midnight to Midnight 5/6 (Maintenance to Sedimentation Tank)



07/02/1991	0.13m	99%	Restrictions tightened	Restrictions eased but continued
05/03/1991	full	100%	Restrictions lifted	
21/03/1991	0.2m	99%		Restrictions imposed
28/05/1991	0.49m	89%		Restrictions tightened
01/06/1993	0.94m on 09/06/93	73%	Hand held hose and sprinkler on nominated days between 7-9am.	Hand held hose and sprinkler on nominated days between 7-9am.
30/11/1993				Hand held hose and sprinkler on nominated 3 days between 6-7pm.
21/12/1993	1.44m on 02/12/93	59%	Hand held hose on nominated 3 days.	Hand held hose on nominated 3 days.
06/01/1994	1.8m on 11/01/94	52%	Hand held hose on nominated 3 days between 6-8am and 6-8pm.	Hand held hose on nominated 3 days between 6-8am and 6-8pm.
01/02/1994			report written in Italian, all I can decipher is that it is on nominated 3 days.	report written in Italian, all I can decipher is that it is on nominated 3 days.
22/03/1994	1.79m on 10/03/94 1.68m on 06/04/94	49.3% on 10/03/94 54.1% on 06/04/94	Hand held hose on nominated 3 days between 7-8am and 5-6pm.	
26/05/1994	1.8m on 03/05/94 1.99m on 07/06/94	51.8% on 03/05/94 46.8% on 07/06/94	Hand held hose on nominated 3 days between 12-2pm.	
31/08/1994	2.42m on 02/09/94 2.22m on 03/08/94	38.5% on 02/09/94 41.7% on 03/08/94	Restrictions tightened	Restrictions tightened
31/10/1994	2.87m on 01/11/94	30%	Hand held hose on nominated day between 5-6pm.	Hand held hose on nominated day between 5-6pm.
04/12/1994	3.02m on 05/12/94	28%	Restrictions tightened	Restrictions tightened
02/03/1995	1.46m on 07/03/95	59%	New system as of 02/03/95, Hand held hose on nominated 2 days between 5- pm.	New system as of 02/03/95, Hand held hose on nominated 2 days between 5-pm.
04/04/1995	1.45m on 07/04/95	58%	Hand held hose on Nominated 2 days between 7-8am and 5-6pm.	Hand held hose on Nominated 2 days between 7-8am and 5-6pm.
29/05/1995			Hand held hose on Nominated day only.	Hand held hose on Nominated day only.
01/06/1995	1.71m on 06/06/95	52%	Restrictions tightened	Restrictions tightened
29/11/1995			Hand held hose on nominated 3 days only.	Hand held hose on nominated 3 days only.
21/12/1995	0.8m on 01/12/95	74%	Hand held hose and sprinkler on nominated 3 days at any time.	Hand held hose and sprinkler on nominated 3 days at any time.
30/12/1995	0.8m on 01/12/95	74.3% on 01/12/95	Hand held hose and sprinkler on nominated 3 days at any time.	Hand held hose and sprinkler on nominated 3 days at any time.



04/01/1996	full	100%	Restrictions lifted	Restrictions lifted
30/04/1998			Hand held hose on nominated 3 days only.	Hand held hose on nominated 3 days only.
18/05/1998			Restrictions lifted	Restrictions lifted
01/09/2000	1.00m	66%	Hand held hose and sprinkler on nominated 3 days between 5 -7pm.	Hand held hose and sprinkler on nominated 3 days between 5 -7pm.
21/12/2000	1.25m	60%	Hand held hoses on nominated 3 days only.	Hand held hoses on nominated 3 days only.
18/01/2001	1.55m	53%	Hand held hoses on nominated days only.	Hand held hoses on nominated days only.
05/02/2001	full	100%	Restrictions lifted	Restrictions lifted
29/03/2002	0.71m	75%	restrictions imposed as for 0.75m (Total ban on unattended hoses, 1 hand held hose only permitted anytime, 1 domestic sprinkler between 5pm-7pm on 3 allocated days)	restrictions imposed as for 0.75m (Total ban on unattended hoses, 1 hand held hose only permitted anytime, 1 domestic sprinkler between 5pm-7pm on 3 allocated days)
18/07/2002	1.15m	66%	restrictions tightened as for 1.25m (Ban on unattended hoses, 1 hand held hose permitted at any time, 1 domestic sprinkler between 5pm – 6pm on 3 allocated days)	restrictions tightened as for 1.25m (Ban on unattended hoses, 1 hand held hose permitted at any time, 1 domestic sprinkler between 5pm – 6pm on 3 allocated days)
01/09/2002	1.54m	57%	Total ban on unattended hoses & sprinklers, 1 handheld hose at any time of 3 allocated days	Total ban on unattended hoses & sprinklers, 1 handheld hose at any time of 3 allocated days
25/10/2002	1.72m	50%	Hand held hoses only for 2 hours on nominated days (3 per week)	Hand held hoses only for 2 hours on nominated days (3 per week)
30/01/2003	2.6m	35%	Hand held hoses only for 1 hour on nominated days (3 days per week)	Hand held hoses only for 1 hour on nominated days (3 days per week)
15/04/2003	2.6m	33%	Use of one hand held hose only 5.15 pm - 6.15pm on nominated 3 days. Total ban on unattended hoses and sprinklers.	Use of one hand held hose only 5.15 pm - 6.15pm on nominated 3 days. Total ban on unattended hoses and sprinklers.
04/09/2003	3.03m	26%	Sprinklers and hand held hoses prohibited. Use of buckets & watering can is permitted	Sprinklers and hand held hoses prohibited. Use of buckets & watering can is permitted
21/10/2003	2.70m	36%	Total ban on use of hoses, sprinklers & watering systems including micro-irrigation systems, Use of buckets and watering cans is permitted any day at any time	Use of sprinklers and hand held hoses is permitted on 3 allocated days
FEB 04?				Restrictions lifted
20/01/2004	2.61m	34%	Use of hand held hoses only 6am - 8am & 5pm - 7pm on nominated 3 days. Sprinklers & in-ground systems prohibited	Use of hand held hoses & sprinklers and in-ground systems at any time on nominated 3 days.
26/02/2004	1.26m	64%	Use of hand held hoses and sprinklers and in-ground systems 6am - 8am & 5pm - 7pm on nominated 3 days.	Use of hand held hoses at any time, Use of sprinklers and in-ground systems at any time on nominated 3 days.



25/03/2004	0.45m	88%	Use of hand held hoses at any time on nominated 3 days. Use of sprinklers and in-ground systems 6am - 8am & 5pm - 7pm on nominated 3 days.	Use of hand held hoses at any time. Use of sprinklers and in-ground systems at any time on nominated 3 days.
24/06/2004	0.6m	84%	Use of hand held hoses at any time on nominated 3 days. Use of sprinklers and in-ground systems 7am - 9am & 4pm - 6pm on nominated 3 days.	Use of hand held hoses at any time on nominated 3 days. Use of sprinklers and in-ground systems 7am - 9am & 4pm - 6pm on nominated 3 days.
30/09/2004	0.78m	77%	Use of hand held hoses at any time on nominated 3 days. Use of sprinklers and in-ground systems 6am - 7am & 6pm - 7pm on nominated 3 days.	Use of hand held hoses at any time on nominated 3 days. Use of sprinklers and in-ground systems 6am - 7am & 6pm - 7pm on nominated 3 days prohibited.
12/04/2005	1.45m	56%	use of hand held hoses at any time on nominated 3 days. Sprinklers prohibited.	use of hand held hoses at any time on nominated 3 days. Sprinklers prohibited.
14/06/2005	1.55m	57%	Total ban on unattended hoses & sprinklers, 1 hand held hose between 6am-8am & 4pm -6pm on the 3 allocated days	Total ban on unattended hoses & sprinklers, 1 hand held hose between 6am-8am & 4pm - 6pm on the 3 allocated days
11/10/2005	1.83m	50%	Total ban on unattended hoses & sprinklers, 1 hand held hose between 6am-7am & 6pm -7pm on the 3 allocated days	Total ban on unattended hoses & sprinklers, 1 hand held hose between 6am-7am & 6pm - 7pm on the 3 allocated days
09/05/2006	1.87m	48%	Total ban on unattended hoses & sprinklers, 1 hand held hose between hours of 5pm-6pm on 3 allocated days	Total ban on unattended hoses & sprinklers, 1 hand held hose between hours of 4pm-6pm on 3 allocated days
20/06/2006	1.92m	45%	Total ban on unattended hoses & sprinklers, 1 handheld hose for 1 hour between 1pm & 2pm on allocated days (Even - Saturday, odds & no numbers - Sunday)	Total ban on unattended hoses & sprinklers, 1 handheld hose for 1 hour between 1pm & 2pm on allocated days (Even - Saturday, odds & no numbers - Sunday)
13/07/2006	1.99m	46%	Total ban on unattended hoses & sprinklers, 1 hand held hose for 1 hour between 1 pm-2pm on allocated days (evens - Saturday, odds or no number Sunday)	Total ban on unattended hoses & sprinklers, 1 hand held hose for 1 hour between 1 pm-2pm on allocated days (evens - Saturday, odds or no number Sunday)
12/10/2006	2.27m	41%	Total ban on unattended hoses & sprinklers, 1 hand held hose for 1 hour between 4 pm-5pm on allocated days (evens - Saturday, odds or no number Sunday)	Total ban on unattended hoses & sprinklers, 1 hand held hose for 1 hour between 4 pm-5pm on allocated days (evens - Saturday, odds or no number Sunday)
29/01/2007	2.72m	33%	Total ban on unattended hoses & Sprinklers, 1 watering can/bucket at anytime on 3 allocated days	Total ban on unattended hoses & sprinklers, 1 hand held hose for 1 hour between 4 pm-5pm on allocated days (evens - Saturday, odds or no number Sunday)
20/02/2007	2.77m	30%	Total ban on unattended hoses & Sprinklers, 1 watering can/bucket for 1 hour between 4pm & 5pm on allocated days (evens - Saturday, odds or no number Sunday)	Total ban on unattended hoses & sprinklers, 1 hand held hose for 1 hour between 4 pm-5pm on allocated days (evens - Saturday, odds or no number Sunday)
12/04/2007	3.2m	27%	1 watering can/bucket for 1 hour between 4:00pm -5:00pm on allocated days (Even -Saturday Odd or no number - Sunday)	1 watering can/bucket for 1 hour between 4:00pm -5:00pm on allocated days (Even - Saturday Odd or no number - Sunday)
30/04/2007	3.2m	27%	Total ban on outside use of mains water	1 watering can/bucket for 1 hour between 4:00pm -5:00pm on allocated days (Even - Saturday Odd or no number - Sunday)



APPENDIX 2

Restriction Schedule for Stanthorpe Public Parks

	LOCATION	DESCRIPTION	TYPE OF SYSTEM	LEVEL 0	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6
Council Chambers										
	Garden beds	Front entrance gardens	Pop up sprinklers	2 hrs x 2 day/week	2 hrs x 2 day/week	1 hr x 1 day/week	1 hr x 1 day/week	Sprinklers - no watering, If drippers 1 hr x 1 day/week	No watering	No watering
	Lawns	summer time only	Pop up sprinklers	2 hrs x 2 days/week	2 hrs x 2 days/week	1 hr x 1 day/week	No watering	No watering	No watering	No watering
Weeroona Park										
	Garden beds		In-line drip irrigation	3 hrs x 2 days/week	3 hrs x 2 days/week	3 hrs x 1 day/week	3 hrs x 1 day/week	3 hrs x 1 day/week	No watering	
	Lawns		Pop up sprinklers	2 hrs x 2 days/week	2 hrs x 2 days/week	1 hr x 1 day/week	No watering	No watering	No watering	No watering
	Nursery	Behind band shell	Sprinklers	0.5 hrs x 5 days/week	0.5 hrs x 5 days/week	0.5 hrs x 5 days/week	0.5 hrs x 5 days/week	0.5 hrs x 5 days/week	0.5 hrs x 5 days/week	No watering except using alternate water
	Pool	3 grassed areas - summer only	Pop up sprinklers	1 hrs x 3 areas x 2 day/week	1 hrs x 3 areas x 2 day/week	1 hr x 3 areas x 1 day/week	1 hr x 3 areas x 1 day/week	1 hr x 3 areas x 1 day/week	No watering	No watering



Main Street Gardens										
	Centre medians, garden beds & roundabouts	10 stations	In-line drip irrigation	0.75 hr x 5 days/week per station	0.75 hr x 5 days/week per station	0.75 hr x 5 days/week per station	0.75 hr x 5 days/week per station	Reduce the number of stations	No watering	No watering
Farley St Piazza										
	Garden beds		In-line drip irrigation	4 hr x 5 days	4 hr x 5 days	4 hr x 5 days	2 hrs x 5 days	2 hrs x 5 days	No watering	No watering
	Grassed area		In-line drip irrigation	4 hr x 5 days	4 hr x 5 days	4 hr x 5 days	2 hrs x 5 days	2 hrs x 5 days	No watering	No watering
Entrances										
	High Street	Robinas from highway to Schnitzerlings	In-line drip irrigation	12hrs x 2 days/month	12hrs x 2 days/month	12hrs x 2 days/month	12 hrs x 1 day/month	12 hrs x 1 day/month	No watering	No watering
	Wallangarra road	From last building on left to Lions Park	In-line drip irrigation	12hrs x 1 days/month	12hrs x 1 days/month	12hrs x 1 days/month	12 hrs x 1 day every 2 months	12 hrs x 1 day every 2 months	No watering	No watering
Information Centre										
	Garden beds		Some in-line drippers + others	12hrs x 2 days/month	12hrs x 2 days/month	12hrs x 2 days/month	12 hrs x 1 day/month	12 hrs x 1 day/month	No watering	No watering
	Trees in Gleeson Park		In-line drip irrigation	12hrs x 2 days/month	12hrs x 2 days/month	12hrs x 2 days/month	12 hrs x 1 day/month	12 hrs x 1 day/month	No watering	No watering
Sporting Fields										
	CF White cricket pitch only	can be effluent or potable water	Pop up sprinklers	0.75 hrs x 3 days/week	0.75 hrs x 3 days/week	0.75 hrs x 3 days/week	0.75 hrs x 3 days/week	0.75 hrs x 3 days/week	Effluent water used	Effluent water used
	CF White Oval		Pop up sprinklers	Effluent water used	Effluent water used	Effluent water used	Effluent water used	Effluent water used	Effluent water used	Effluent water used
	Sheehan		Pop up sprinklers	Effluent water used	Effluent water used	Effluent water used	Effluent water used	Effluent water used	Effluent water used	Effluent water



										used
	Crisp		Pop up sprinklers	Effluent water used	Effluent water used	Effluent water used	Effluent water used	Effluent water used	Effluent water used	Effluent water used
	Sullivan		Pop up sprinklers	Effluent water used	Effluent water used	Effluent water used	Effluent water used	Effluent water used	Effluent water used	Effluent water used
Cemetery										
	Trees	Maple trees to shed	In-line drip irrigation	12hrs x 2 days/month	12hrs x 2 days/month	12hrs x 2 days/month	12 hrs x 1 day/month	12 hrs x 1 day/month	No watering	No watering
	Footpaths		Pop up sprinklers	1 hr x 2 days/week	1 hr x 2 days/week	1 hr x 2 days/week	No watering	No watering	No watering	No watering
	Lawns		Pop up sprinklers	Effluent water used	Effluent water used	Effluent water used	Effluent water used	Effluent water used	Effluent water used	Effluent water used
Other Parks										
	Lions Park	Claret Ash	In-line drip irrigation	12hrs x 2 days/month	12hrs x 2 days/month	12hrs x 2 days/month	12 hrs x 1 day/month	12 hrs x 1 day/month	No watering	No watering
	McGregor Park	Only trees (netball court not used)	In-line drip irrigation	12hrs x 1 days/month	12hrs x 1 days/month	12hrs x 1 days/month	12 hrs x 1 day every 2 months	12 hrs x 1 day every 2 months	No watering	No watering
Other Street Trees										
	Talc Street	New tree + Plain trees on western bank	In-line drip irrigation	6hrs x 2 days/month	6hrs x 2 days/month	6hrs x 2 days/month	6 hrs x 1 day/month	6 hrs x 1 day/month	No watering	No watering



APPENDIX 3

Exemption Application Form



Office Use Only

PN#
Ref#
Registration Number:

All correspondence to:

Stanthorpe Shire Council
PO Box 402
Stanthorpe QLD 4380
Telephone: 4681 5500
Facsimilie: 4681 5540
Email: mail@stanthorpe.qld.gov.au

EXEMPTION REQUEST FORM
Stanthorpe Shire Council

Applicant's Name: _____

Business Trading Name: _____

Property Details:

Lot Number: _____
Street Number: _____
Suburb: _____ Postcode: _____

Customer Details

Name: _____
Address: _____
Suburb: _____ Postcode: _____
Contact Numbers:
Home: _____
Business: _____
Mobile: _____
After hours: _____
Facsimile: _____

For use if applicant is a Company

Registered Company name: _____

Company Trading Name: _____

Registered Head Office Address: _____

ABN: _____

Category of Water Restriction to which the exemption is requested: (Please tick)

- Residential or Commercial Garden
- Public Gardens
- Sportsgrounds
- Ponds and lakes
- Fountains and Water Features
- Private Pools and Spas
- Public Pools and Spas
- Mobile Spas
- Water Toys
- Tanks
- Mobile Water Tankers
- Commercial Market Garden / Nursery
- Motor Vehicle Cleaning
- Commercial Car Washes
- Motor Dealer Vehicle Cleaning
- Food Transport Vehicle Cleaning
- Boat Motor Cleaning
- Hard Surface Cleaning
- Windows/Building Facades/Walls etc.
- Dust suppression
- Construction Industry
- Animal Husbandry
- Commercial Poultry Farms
- Other.....



Exemption Information

The following additional information is required in order to determine whether an exemption may be granted:

Is the exemption sought (Please tick):

- Temporarily
- For the term of the current level of restrictions

Reason for seeking an exemption:

Please note that the principle reasons for seeking an exemption are:

- To avoid an inequitable impact upon the livelihood of the applicant.
- An adverse effect on public health and safety

Please provide details and attach any specific documents to support your request.

Conditions for Granting an Exemption

If this exemption is granted, I agree to:

- Authorise the water business to publicly disclose any relevant details of the exemption;
- Adhere to all the specific requirements contained within the exemption; and
- Provide appropriate access (as required) to enable the water business to assess the initial application and monitor the ongoing adherence to any exemption conditions.
- Any other specified conditions as determined by the Water business.

Signature of Applicant: _____

Name (Print): _____

Company Title:
(if applicable) _____

Date: _____

Exemptions

In certain circumstances, a water business may consider granting an exemption to water restrictions upon an application being made by a customer.

The overriding objective is to maximise water conservation during times of restriction, while at the same time, endeavouring to ensure that no customer segment or individual is disproportionately impacted by water restrictions.

Applications for an exemption must be made either on this form or in writing.

All approved exemptions may be logged on a register, where the public may seek clarification over the status of an exemption. The only information which will be made public is:

- The site address for which the exemption is granted;
- Details of the terms of exemption;
- Date approved and sunset date, if appropriate.

Approval of exemption terms is conditional to the applicant agreeing to:

- The exemption will be granted to a specific site address, or a particular person or organisation, or in special circumstances, both a particular person or organisation AND a particular site;
- Co-operating with any random audit of site compliance for granted exemptions, to ensure alternative arrangements are being adhered to;
- Re-applying should the restriction level change.

Office Use Only

On receipt, this form shall be forwarded to Technical Officer – Water & Sewerage, Engineering Section for processing.

Please ensure the following actions are completed:

- Ensure the application is entered into the Restrictions Exemptions Data Base and registration number noted.
- Approval: Yes / No Manager Special Conditions
Signature: _____ Date: ____/____/____
If Yes, specify: _____
- Advise the application by means of a standard letter if application is successful or advise by standard letter of non-approval.