

## 5 WATER SHORTAGE RESPONSE

In the event a water shortage does occur within the PCR, the Town and MD will be required to initiate a response plan to reduce consumption and augment the available water supply when necessary. The following sections provide the various levels of response that the Town and MD have developed to respond to varying degrees of water shortages.

### 5.1 WSRP TRIGGER CRITERIA

Based on the potential risk for a water shortage, and the normal operation plan of the PCR, the following trigger criteria were developed for the WSRP.

Table 5.1 – Water Shortage Response Plan Trigger Criteria

Reservoir Operating Level (m)	Stage	Restriction Details
1052.50 to 1046	Normal	No restrictions.
1046 to 1045	1	Begin limiting non-essential water use (i.e. lawn and garden watering limited to 3 days/week)
1045 to 1044.50	2	Further limit non-essential water use (i.e. lawn and garden watering limited to 2 days/week)
1044.50 to 1044	3	Further limit non-essential water use (i.e. lawn and garden watering limited to 1 days/week); Essential water use to be monitored.
1044 to 1043	4	Prohibit all water use associated with irrigation; non-essential water use limited to sanitation purposes only; Monitor essential water use; water supply augmentation may be required.  Water use for agricultural users to be restricted to livestock only.
1043 to 1042	5	All non-essential water use prohibited; limit essential water use; water supply augmentation required.  Water use for agricultural users to be restricted to livestock only.

## Town of Claresholm Water Restriction Guide Residential Water Use

	RESIDENTIAL Water Use Restrictions	NORMAL	STAGE 1	STAGE 2	STAGE 3	STAGE 4	STAGE 5		
		PINE COULEE FULL SUPPLY LEVEL 1052.5 m	PINE COULEE SUPPLY LEVEL 1046.0 m	PINE COULEE SUPPLY LEVEL 1045.0 m	PINE COULEE SUPPLY LEVEL 1044.0 m	PINE COULEE SUPPLY LEVEL 1043.0 m	PINE COULEE MINIMUM SUPPLY LEVEL 1042.0 m		
	ACTIVITY	Restriction Details	Restriction Details	Restriction Details	Restriction Details	Restriction Details	Restriction Details		
A	Lawn, Garden and Plants - Manual Sprinkling	Anytime	Water allowed 6am-10am 7pm-12am 3 days per week.	Water allowed 6am-10am 7pm-12am 2 days per week	Water allowed 6am-10am 7pm-12am 1 day per week	Use of Town water for all forms of aesthetic lawn and garden watering is prohibited.	Use of Town water for all forms of aesthetic lawn and garden watering is prohibited.		
	Odd Address Schedule	Anytime	Tues, Thurs and Sat	Tues and Sat	Sat				
	Even Address Schedule		Wed, Fri and Sun	Wed and Sun	Sun				
B	Lawn, and Aesthetic Garden Watering - Auto Sprinkling	Anytime	Water allowed 12am-6am up to 3 days per week.	Water allowed 12am-6am up to 2 days per week	Water allowed 12am-6am up to 1 day per week				
	Odd Address Schedule	Anytime	Tues, Thurs and Sat	Tues and Sat	Sat				
	Even Address Schedule		Wed, Fri and Sun	Wed and Sun	Sun				
C	Lawn, and Aesthetic Garden Micro or Drip Irrigation	Anytime	Watering allowed any day between 7pm-10am	Watering up to 3 days a week 7pm-10am (Line A)	Watering allowed Thurs and Fri between 7pm-10am				
D	Lawn, and Aesthetic Garden Watering - Hand Sprinkling (hose or water can)	Anytime	Anytime	Watering allowed 3 days a week 6am-10am, 5pm-12am Stage 1 (Line A).	Watering allowed Wed and Sun between 6am-10am and 7pm-12am				
E	New (non-established) Lawns and Landscaping sprinkling. Permit required.	Follow supplier recommended watering schedule. (Lines A-D)	Follow supplier recommended watering schedule. (Lines A-D)	Sprinkler permit required. Seeding to start before April 30 or after Sept 1	No new permits issued for seeded lawns. New lawns watering Stage 3 (Lines A-D)			No new permits issued or renewed. Use of Town water prohibited.	No new permits issued or renewed. Use of Town water prohibited.
F	Garden Ponds, Fountains and Water Features	Filling and refilling is permitted (Line A)	Filling and refilling is permitted (Line A)	Filling and refilling is permitted (Line A)	Filling and refilling with Town water is prohibited.			Filling and refilling with Town water is prohibited.	Filling and refilling with Town water is prohibited.
G	Pools	Filling and refilling is permitted (Line A)	Filling and refilling is permitted (Line A)	Filling and refilling is permitted (Line A)	Topping up allowed once per week on Wednesdays.	Filling and refilling with Town water is prohibited.	Filling and refilling with Town water is prohibited.		
H	Cleaning Outdoor Surfaces (driveways, sidewalks etc.)	Use a broom, spring loaded nozzle or mop and bucket.	Use a broom, spring loaded nozzle or mop and bucket.	Cleaning with a hose for health and safety only.	Cleaning with a hose for health and safety only.	Cleaning with a hose for health and safety only.	All hosing of outdoor surface with Town water prohibited.		
I	Car-Boat Washing	Use spring loaded nozzle.	Use spring loaded nozzle.	Wand wash only.	Wand wash only.	Wand wash only.	No washing or rinsing of any vehicles.		
J	Artificial turf and outdoor tracks	Cleaning with a hose for health and safety only.	Cleaning with a hose for health and safety only.	Cleaning with a hose for health and safety only.	Cleaning with a hose for health and safety only.	Cleaning with a hose for health and safety only.	Cleaning outdoor surfaces with Town water prohibited.		

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## Town of Claresholm Water Restriction Guide Commercial Water Use

	COMMERCIAL Water Use Restrictions	NORMAL	STAGE 1	STAGE 2	STAGE 3	STAGE 4	STAGE 5
		PINE COULEE FULL SUPPLY LEVEL 1052.5 m	PINE COULEE SUPPLY LEVEL 1046.0 m	PINE COULEE SUPPLY LEVEL 1045.0 m	PINE COULEE SUPPLY LEVEL 1044.0 m	PINE COULEE SUPPLY LEVEL 1043.0 m	PINE COULEE MINIMUM SUPPLY LEVEL 1042.0 m
	ACTIVITY	Restriction Details	Restriction Details	Restriction Details	Restriction Details	Restriction Details	Restriction Details
A	Lawn, Garden and plants for sale - Manual Sprinkling	Water allowed 6am-10am 7pm-12am 3 days per week	Water allowed 6am-10am 7pm-12am 3 days per week	Water allowed 6am-10am 7pm-12am 2 days per week	Water allowed 6am-10am 7pm-12am 1 day per week	Use of Town water for all forms of aesthetic lawn and garden watering is prohibited.	Use of Town water for all forms of aesthetic lawn and garden watering is prohibited.
	Odd Address Schedule	Anytime	Tues, Thurs and Sat	Tues and Sat	Sat		
	Even Address Schedule		Wed, Fri and Sun	Wed and Sun	Sun		
B	Lawn, Garden and plants for sale - Auto Sprinkling	Anytime	Water allowed 12am-6am up to 3 days per week	Water allowed 12am-6am up to 2 days per week	Water allowed 12am-6am up to 1 day per week		
	Odd Address Schedule	Anytime	Tues, Thurs and Sat	Tues and Sat	Sat		
	Even Address Schedule		Wed, Fri and Sun	Wed and Sun	Sun		
C	Lawn, Garden and plants for sale Micro irrigation	Anytime	Watering allowed any day between 7pm-10am	Watering up to 3 days a 7pm-10am (Line A)	Watering allowed Wed and Fri between 7pm-10am		
D	Lawn, Garden and plants for sale handheld sprinkling	Anytime	Anytime	Hand watering plants any day 6am-10am & 5pm-12am Stage 1 (Line A).	Hand water plants Tue, Thru and Sun between 6am-10am and 7pm-12am		
E	New (non-established) Lawns and Landscaping sprinkling. Permit required.	Follow supplier recommended watering schedule. (Lines A-D)	Follow supplier recommended watering schedule. (Lines A-D)	Sprinkler permit required. Seeding to start before April 30 or after Sept 1	No new permits issued for seeded lawns. New lawns watering Stage 3 (Lines A-D)	No new permits issued or renewed. Use of Town water prohibited.	No new permits issued or renewed. Use of Town water prohibited.
F	Garden Ponds, Fountains and Water Features	Filling and refilling is permitted (Line A)	Filling and refilling is permitted (Line A)	Filling and refilling is permitted (Line A)	Filling and refilling with Town water is prohibited.	Filling and refilling with Town water is prohibited.	Filling and refilling with Town water is prohibited.
G	Pools	Filling and refilling is permitted (Line A)	Filling and refilling is permitted (Line A)	Filling and refilling is permitted (Line A)	Topping up allowed once per week on Wednesdays.	Filling and refilling with Town water is prohibited.	Filling and refilling with Town water is prohibited.
H	Cleaning Outdoor Surfaces (driveways, sidewalks etc.)	Use a broom, spring loaded nozzle or mop and bucket.	Use a broom, spring loaded nozzle or mop and bucket.	Cleaning with a hose for health and safety only.	Cleaning with a hose for health and safety only.	Cleaning with a hose for health and safety only.	All hosing of outdoor surface with Town water prohibited.
I	Car Washing - commercial, dealerships and fleets	Use a commercial car wash or spring loaded nozzle.	Use a commercial car wash or spring loaded nozzle.	Wand wash and automated car washes may operate.	Wand wash and automated car washes may operate.	Wand wash and automated car washes may operate.	No washing or rinsing of any vehicles.
J	Golf courses	Irrigation should only occur between 7pm-6am	Reduce watering to fairways (Line B)	Reduce watering of greens, tees, Fairways 2 days-week.	Hand watering greens and tees only.	Hand watering greens and tees only.	Hand watering greens and tees only.
K	Artificial turf and outdoor tracks	Cleaning with a hose for health and safety only.	Cleaning with a hose for health and safety only.	Cleaning with a hose for health and safety only.	Cleaning with a hose for health and safety only.	Cleaning with a hose for health and safety only.	Cleaning outdoor surfaces with town water prohibited.

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## Town of Claresholm Water Restriction Guide Public Institutional Water Use

	Public Institutional Water Use Restrictions	NORMAL	STAGE 1	STAGE 2	STAGE 3	STAGE 4	STAGE 5		
		PINE COULEE FULL SUPPLY LEVEL 1052.5 m	PINE COULEE SUPPLY LEVEL 1046.0 m	PINE COULEE SUPPLY LEVEL 1045.0 m	PINE COULEE SUPPLY LEVEL 1044.0 m	PINE COULEE MINIMUM SUPPLY LEVEL 1043.0 m	PINE COULEE MINIMUM SUPPLY LEVEL 1042.0 m		
	ACTIVITY	Restriction Details	Restriction Details	Restriction Details	Restriction Details	Restriction Details	Restriction Details		
A	School Yards, Sports Fields and Baseball Diamonds	Avoid Irrigation between 10am-7pm	Limit Irrigation to 3 Times per week Tuesday, Thursday, Saturday Avoid irrigation 10am-7pm	Limited irrigation to 2 times per week (Tuesday & Saturday) and avoid between 10am-7pm	Irrigate 1 day/week at minimum levels permitted to maintain areas in usable condition.	Use of Town water for all irrigation and recreational purposes is prohibited.	Use of Town water for all irrigation and recreational purposes is prohibited.		
B	Water Spray Parks and Indoor/Outdoor Pools	No restrictions.	Recirculating pool water only.	No restrictions on spray parks with user-activated switches. Filling and topping of pools permitted.	No restrictions on spray parks with user-activated switches. Filling and topping of pools permitted.				
C	Aesthetic Fountains and Water Features	Recirculating water only.	Recirculating water only.	No filling permitted unless using recycled, reclaimed water or rainwater.	Filling and refilling are prohibited. To avoid health and safety problems drain and use to irrigate.				
D	Municipal Parks and Cemeteries	Avoid Irrigation between 10am-7pm.	Limit Irrigation to 3 times per week and Avoid irrigation 10am-7pm.	Irrigation allowed 2 days per week, Tuesday and Thursday between 7pm-6am.	Irrigate 1 day/week minimum levels permitted to maintain areas in usable condition.				
E	Municipal Ornamental Lawns and Grassed Boulevards	Avoid Irrigation between 10am-7pm	Limit Irrigation to 3 times per week Tuesday, Thursday, Saturday, between 7pm-6am unless authorized.	Two days per week, Tuesday and Thursday between 7pm-6am.	Irrigate 1 day/week minimum levels permitted to maintain areas in usable condition.				
F	Municipal Water Main Flushing and Hydrant Maintenance	No Restrictions.	No Restrictions.	Only for unscheduled safety or public health reasons. Flushing to ensure free chlorine residual only.	Only for unscheduled safety or public health reasons. Flushing to ensure free chlorine residual only.			Only for unscheduled safety or public health reasons. Flushing to ensure free chlorine residual only.	Only for unscheduled safety or public health reasons. Flushing to ensure free chlorine residual only.
G	Artificial Turf and Outdoor Tracks (i.e. bicycle and running)	Cleaning, with a hose or sprinkler, permitted for health and safety only.	Cleaning, with a hose or sprinkler, permitted for health and safety only.	Cleaning, with a hose or sprinkler, permitted for health and safety only.	Cleaning, with a hose or sprinkler, permitted for health and safety only.			Cleaning, with a hose or sprinkler, permitted for health and safety only.	All forms of cleaning of outdoor surfaces with town water are prohibited.

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## Town of Claresholm Water Restriction Guide Agricultural Water Use

	AGRICULTURAL Water Use Restrictions	NORMAL	STAGE 1	STAGE 2	STAGE 3	STAGE 4	STAGE 5
		PINE COULEE FULL SUPPLY LEVEL 1052.5 m	PINE COULEE SUPPLY LEVEL 1046.0 m	PINE COULEE SUPPLY LEVEL 1045.0 m	PINE COULEE SUPPLY LEVEL 1044.0 m	PINE COULEE SUPPLY LEVEL 1043.0 m	PINE COULEE MINIMUM SUPPLY LEVEL 1042.0 m
	ACTIVITY	Restriction Details	Restriction Details	Restriction Details	Restriction Details	Restriction Details	Restriction Details
Location	Crop Irrigation in Town Limits	Maximum water use as permitted per individual license to a maximum of 5000 m3	Maximum water use 5000 m3 for season Increased surveillance voluntary conservation	Mandatory reduction of water use by 25% up to 3750 m3 for season Town to control turnoff	Mandatory reduction of water use by 50% up to 2500 m3 for season Town to control turnoff	Mandatory reduction of water use by 50% up to 2500 m3 for season Town to control turnoff	Mandatory water restrictions Outdoor water use for Livestock only Town to control turnoff
0+008	M.D Willow Creek	No License/No Hydrant	No License/No Hydrant	No License/No Hydrant	No License/No Hydrant	No License/No Hydrant	Livestock only
0+300	Brown	No License/Hydrant	No License/Hydrant	No License/Hydrant	No License/Hydrant	No License/Hydrant	Livestock only
2+834	Bolduc	320 m3 Total	320 m3 Total	240 m3	160 m3	Licence Restricted	Livestock only
4+350	Maurushat	No Hydrant	No Hydrant	No Hydrant	No Hydrant	No Hydrant	Livestock only
6+565	Maurushat	1234.56 m3	1234.56 m3	925.92 M3	617.28 m3	617.28 m3	Livestock only
7+507	Fire Hydrant	Fire Fighting Only	Fire Fighting Only	Fire Fighting Only	Fire Fighting Only	Fire Fighting Only	Fire Fighting Only
7+906	Glimsdale	1234.56 m3	1234.56 m3	925.92 M3	617.28 m3	617.28 m3	Livestock only
8+217	Hutterian Willow Creek	2099 m3 Total	2099 m3 Total	1574.25 m3 Total	1049.5 m3	Licence Restricted	Livestock only
10+385	Leeds	1234.56 m3 Total	1234.56 m3 Total	925.92 M3	617.28 m3	617.28 m3	Livestock only
10+700	Leeds	1234.56 m3 Total	1234.56 m3 Total	925.92 M3	617.28 m3	617.28 m3	Livestock only
11+434	Hutterian Willow Creek	2099 m3 Total	2099 m3 Total	1574.25 m3 Total	1049.5 m3	1049.5 m3	Livestock only
11+510	Fire Hydrant	Fire Fighting Only	Fire Fighting Only	Fire Fighting Only	Fire Fighting Only	Fire Fighting Only	Fire Fighting Only
15+865	Morkin	4564 m3	4564 m3	3423 m3	2282 m3	2282 m3	Livestock only
17+100	Shear	No License/No Hydrant	No License/No Hydrant	No License/No Hydrant	No License/No Hydrant	No License/No Hydrant	Livestock only
17+110	Town of Claresholm	No Hydrant	No Hydrant	No Hydrant	No Hydrant	No Hydrant	Livestock only
18+927	Claresholm Golf Course	No License/Metered Turnout	No License/Metered Turnout	No License/Metered Turnout	No License/Metered Turnout	No License/Metered Turnout	Livestock only
19+403	Claresholm Water Plant	1,301,235 m3	1,301,235 m3	Initiate WSRP	Initiate WSRP	Initiate WSRP	Initiate WSRP

\* These restrictions are for water supplied by Pine Coulee Reservoir only. They do not apply to reclaimed water, grey water or rainwater.