

REGIONAL DISTRICT OF NORTH OKANAGAN

BYLAW No. 2248

A bylaw to regulate the use of water
in part of the Regional District of North Okanagan

WHEREAS Section 796(1) and 796(2) of the *Local Government Act*, R.S.B.C., 1996, Chapter 323, authorizes the Board of a Regional District to operate any service that the Board considers necessary or desirable for all or part of the regional district and to regulate in relation to a service;

AND WHEREAS the Regional District has adopted the *Regional District of North Okanagan - Greater Vernon Regional Water Service Amendment Bylaw No. 1764, 2002*, the *Regional District of North Okanagan – Electoral Area “D” Regional Water Supply and Distribution Local Service Establishment Bylaw No. 1264, 1994* and for the purpose of providing the service of a regional water supply and distribution in the City of Vernon, the District of Coldstream, and parts of Electoral Areas “B” and “C” and part of Electoral Area “D”;

AND WHEREAS the Regional Board is desirous to implement and regulate water restrictions in accordance with the *Drought Management Plan*;

NOW THEREFORE, the Board of the Regional District of North Okanagan, in open meeting assembled, hereby ENACTS AS FOLLOWS:

CITATION

1. This Bylaw may be cited as **“Regional District of North Okanagan Water Restrictions Bylaw No. 2248, 2010”**.

DEFINITIONS

2. In this Bylaw:

“Authorized Agent” includes a person, firm or corporation authorized by the Regional District of North Okanagan to act on its behalf.

“Customer” means any person who is the owner or occupier or agent for the owner or occupier of any premises or land to which water is supplied by the Regional District of North Okanagan, including service from fire hydrants or truck fill stations, and who is liable to pay charges for water supply or water service.

“Domestic Garden” means an area of land no larger than one tenth of a hectare (1000 m²) cultivated for the purpose of growing vegetables, flowers, fruits and herbs for domestic use.

“Drip Irrigation” means the use of a network of pipes and control flow emitters that carry a low flow of water under low pressure for watering of plants that supplies water directly to the root structure of the plant without noticeable water waste.

“Drought Management Plan” means the report prepared by EBA Engineering Consultants Ltd. dated March 14, 2007.

“Greater Vernon Water Service Area” means the area of land subject to the *Greater Vernon Regional Water Service Amendment Bylaw No. 1764, 2002* and the *Regional District of North Okanagan – Electoral Area “D” Regional Water Supply and Distribution Local Service Establishment Bylaw No. 1264, 1994*.

“Hand Held Hose Watering” means watering by a person holding a hose with an attached nozzle device; the attached nozzle device must have a manual or spring loaded shut-off so when it is not being held the flow of water stops.

“Household Use” means the use of water for ordinary domestic activities customarily incidental to that use including culinary, sanitary and laundry purposes.

“Irrigation” means application of water on lands for nourishing plants.

“Residential Use” means a household use, a domestic garden use, and lawn irrigation, and pool use associated with a residential use and any other residential ancillary use.

“RDNO” means the Regional District of North Okanagan.

“Sprinkle or Sprinkling” means the application or distribution of water to lawns, gardens or boulevards by sprinkling or spraying, but does not include the method known as ‘drip irrigation’ or hand watering.

“System” means the system of waterworks owned, operated or maintained by RDNO by which water is supplied to its customers.

“Underground Domestic Irrigation” means an irrigation system that has underground distribution pipes installed along with permanently installed sprinkler heads with electrically operated control valves and a flow control device restricting flows for irrigation up to 40 litres / minute.

“Water” means the water supplied by RDNO through the System.

“Watering Can Watering” means watering by a person pouring by hand a container which holds no more than 10 litres of water with a dispersion device at the spout.

“Waterworks” means all of the components of the System and includes anything capable or useful for diverting, storing, measuring, delivering, supplying, conveying, conserving, retarding, confining or using water.

APPLICATION

3. This Bylaw applies to the Greater Vernon Water Service Area.

PRESSURE AND SUPPLY

4. (1) RDNO supplies water to customers on the condition that RDNO is not liable for any injury, damage or loss, including economic loss, to any person or property at any time caused by or resulting from:
 - (a) the use of water from the water system;

- (b) the failure to supply any or an insufficient amount of water to a customer; or
 - (c) any impurity; or
 - (d) lack of adequate or any water pressure, increased or decreased water pressure, or other condition or matter affecting the quality or supply of water.
- (2) RDNO reserves the right at any and all times, and without notice, to change the operating water pressures, to shut off water, or otherwise interrupt the water supply for the purposes of making repairs, extensions, alterations or improvements.
- (3) RDNO does not guarantee a specific water pressure, continuous supply of water or a specific quality of water to meet the special requirements of any customer or other user of water.

LIMITATIONS OR INTERRUPTIONS IN SUPPLY

5. (1) RDNO shall have the right to limit or discontinue the supply of water to any customer or to limit the hours during which water may be used if, in the opinion of RDNO, circumstances deem such action to be warranted due to a shortage of water or where the imposition of restrictions is in the public interest.
- (2) Customers dependent upon a continuous and uninterrupted supply of water or having processes or equipment that require clear or pure water shall provide, at their own cost, such emergency storage, over-size piping, pumps and tanks, filters, pressure regulators, check valves, additional service pipes, or other means for a continuous and adequate supply of water suitable to their requirements.
- (3) No interruption in supply of water to a customer shall entitle that customer to a reduction in user charges unless otherwise specifically provided for in this Bylaw.

WATER USE RESTRICTIONS

6. No person shall:
- (a) use an excessive or unnecessary quantity of water, or allow water to run to waste, whether wilfully or by allowing leaky, imperfect, defective or improper taps, pipes, meters, indicator or other fixtures to remain in disrepair;
 - (b) sell, give or dispose of water obtained from the System to be taken away, used or applied for the benefit or use of any other land or premises or purposes except in the usual course of the purpose for which the water was supplied except for resale of bottled water and commercial filling at truck fill stations;
 - (c) increase by any device the amount of water that person is allowed pursuant to this Bylaw;
 - (d) use water which bypasses a RDNO meter;
 - (e) use an amount of water for irrigation associated with an agricultural purpose that exceeds the amount that person is allowed pursuant to this Bylaw;

- (f) being an owner or occupier of property in the Greater Vernon Water Service Area on which a residential use is the principal permitted use, use water except for a Household Use, the cultivation of a Domestic Garden, lawn irrigation and pool use accessory to the residential use of a dwelling house, or in connection with a permitted home occupation;
- (g) being an owner or occupier of property in the Greater Vernon Water Service Area on which a residential use is the principal permitted use, use more than 3.5 cubic meters of water per day in relation to that residential use.

STAGES OF WATER RESTRICTIONS

7. (1) The imposition of restrictions on use of water will be based on the stages of conditions as defined in the *Drought Management Plan*. The stages of drought are defined as:
- (a) Stage 1 – Normal Conditions

Stage 1 water restrictions represent normal conditions and will be the default stage year round. Stage 1 – Normal Conditions Water Restrictions are described in Schedule “A”, attached to and forming part of this Bylaw.
 - (b) Stage 2 – Dry Conditions

Stage 2 water restrictions represent unusually dry conditions and may be activated as soon as storage levels drop below the minimum desired storage level. Stage 2 – Dry Conditions Water Restrictions are described in Schedule “A”, attached to and forming part of this Bylaw.
 - (c) Stage 3 – Very Dry Conditions

Stage 3 water restrictions represent unusual and prolonged dry and very dry conditions and may be activated when storage levels drop below the minimum desired storage level. Stage 3 – Very Dry Conditions Water Restrictions are described in Schedule “A”, attached to and forming part of this Bylaw.
 - (d) Stage 4 – Emergency Conditions

Stage 4 water restrictions represent a loss of supply and presents the need for Emergency Water Use Restrictions, which restrictions are intended for emergency conditions such as loss of supply or when storage levels drop below the minimum desired storage level. Stage 4 – Emergency Conditions Water Restrictions are described in Schedule “A”, attached to and forming part of this Bylaw.
- (2) Stage 1 is the default water restriction in place at all times unless a different stage of water restrictions apply in accordance with the triggering event for the imposition of each Stage as described and shown on the graph attached as Schedule “B” to this Bylaw or in accordance with other water restrictions in this Bylaw.
- (3) Notwithstanding Sections 7.(1) and (2) above, RDNO authorizes the General Manager of Engineering or the Manager of Utilities to impose a different stage of

restrictions or further restrictions not set out in Schedule "A" for use of water for irrigation or any other purpose in the event of a disaster, emergency, water contamination or system malfunction. Upon receiving due notice of such restriction, no person shall use water for the purpose forbidden by or in excess of allotment imposed by such restriction.

- (4) No person shall use Water or cause Water to be used contrary to the provisions of this Bylaw in effect at the time of use.

NOTICE OF WATER RESTRICTIONS

8. (1) Notice of prohibiting or limiting the use of water shall be provided by the RDNO or its authorized agents.
- (2) The restrictions outlined in Section 7 of this Bylaw are in effect at all times unless notice of further restrictions prohibiting or limiting the use of water is provided in accordance with this Bylaw.
- (3) Notice of further restrictions prohibiting or limiting the use of water shall be deemed to be given and to be served upon all customers by publication of such notice in a local newspaper or broadcast of the same through a radio or television station broadcasting in the area not less than 36 hours prior to the change or revocation of the restrictions.
- (4) In the event of an emergency, notice shall be deemed to be immediate and RDNO will make all reasonable efforts to distribute such notice as speedily as possible.

USE OF WATER FOR WASHING STREETS

9. (1) No person, other than a duly authorized municipal contractor or employee in the course of their duties shall use water for the purpose of washing any street, lane or public thoroughfare, except as authorized by RDNO.

EMERGENCY ACTION

10. RDNO, or its authorized agent, may enter upon any land and take action as warranted in case of an emergency associated with the Waterworks such as a water line break in the waterworks or a System malfunction.

NON-COMPLIANCE WITH WATER USE RESTRICTIONS

11. (1) As a condition of providing water service, RDNO may discontinue water service to a customer if that customer has violated the water use restrictions in this Bylaw on two previous occasions and provided that written notice of the discontinuance is sent by registered mail or hand delivered to the address of the customer seventy-two (72) hours prior to the discontinuation, and such notice will be deemed to have been received three (3) days after it has been mailed or hand delivered directly to that customer.

- (2) In the event that RDNO discontinues water service to a customer in accordance with paragraph 11(1), the customer may apply to have the water service reinstated on condition that the customer pay applicable fees and charges as prescribed in the Greater Vernon Water Utility Rates Imposition Bylaw.
- (3) Despite Section 11(1), the General Manager of Engineering or the Manager of Utilities may order immediate disconnection of water supply to any customer if the General Manager of Engineering or the Manager of Utilities has reason to believe that the condition of a customer supply line poses a reasonable threat of contamination to the Water supplied by the System or impedes the functioning of the Waterworks.

SCHEDULES

12. All Schedules of this Bylaw form part of and are enforceable in the same manner of this Bylaw.

OFFENCE AND PENALTY

13. A person who contravenes, violates or fails to comply with any provision of this bylaw, or who suffers or permits any act or thing to be done in contravention or violation of this bylaw, or who fails to do anything required by this bylaw, commits an offence and shall be liable, upon conviction, to the penalties prescribed in the *Offence Act* (British Columbia), the cost of prosecution and any other penalty or order imposed pursuant to the *Local Government Act* (British Columbia), the *Community Charter* (British Columbia) or the *Offence Act* (British Columbia), as amended from time to time. Each day that an offence against this bylaw continues or exists shall be deemed to be a separate and distinct offence.

SEVERABILITY

14. If any section or provision of this Bylaw is held to be invalid by a court of competent jurisdiction, the invalid portion shall be severed and the validity of the remainder of the Bylaw shall not be affected.

Read a First, Second, and Third Time

this 19th day of May, 2010

ADOPTED

this 19th day of May, 2010



Chair



Corporate Officer



Corporate Officer

TABLE 4.2: DROUGHT RESPONSE PLAN STAGE 1 – NORMAL CONDITIONS		
TRIGGER: Permanently activated on a year-round basis		
ACTIVITY	RESTRICTION DETAILS *	
RESIDENTIAL **	Lawn and garden sprinkling: (a) Manual sprinkling (b) Underground Sprinklers w/Automatic Timers (c) Hand-held watering (d) Micro or drip irrigation	(a) Odd / Even day watering: 6am – 10 am and 7 pm to 12 midnight (b) Alternate day watering between 12 midnight and 6 am (c) Any day (d) Any day
	New (non-established) lawns	Sprinkling outside restricted times allowed only with municipal permits to be displayed on lawn.
	Pools, spas, garden ponds, fountains and water features	Recycling water only. Filling and refilling of pools is permitted. Odd / even days: 6 am to 10 am and 7 pm to midnight.
	Private outdoor impermeable surfaces (i.e. driveways, sidewalks and parkades)	Only with hose equipped with spring-loaded nozzle.
	Private pressure washing	No restrictions.
	Outdoor car washing, boat washing.	Only with hose equipped with spring-loaded nozzle. Use bucket with cloth or sponge.
	COMMERCIAL	Lawn and aesthetic garden sprinkling (including cemeteries)
New (non-established) lawns		Sprinkling outside restricted times allowed only with municipal permits to be displayed on lawn.
Flowers, vegetables, decorative planters, shrubs and trees for sale		Same as Residential Lawn and garden sprinkling.
Pools, spas, garden ponds, fountains and water features		Recycling water only. Filling and refilling of pools is permitted. Odd / even days: 6 am to 10 am and 7 pm to midnight.
Outdoor impermeable surfaces (i.e. driveways, sidewalks and parkades)		Requires spring-loaded nozzle.
Pressure washing		No restrictions.
Outdoor car washing, boat washing		Only with hose equipped with spring-loaded nozzle.
Indoor commercial carwashes		No restrictions on the car washing operation.
Golf courses		Municipalities request golf course operators to irrigate fairways appropriately.
Turf farms		No restrictions on watering of commercial turf.
Artificial turf and outdoor tracks (i.e. bicycle, motorcycle and running racks)	Hosing for health and safety only.	
PUBLIC	School yards, sports and sand-based playing fields	No restrictions.
	Water play parks and pools	Recycling water only.
	Fountains and water features	Recycling water only.
	Municipal parks	No restrictions.
	Municipal ornamental lawns, grassed boulevards	Alternate day watering, between 7 pm and 6 am, except where Parks Department is authorized for safety and security reasons.
Municipal hydrant flushing	No restrictions.	
AGRICULTURE	Crop Irrigation	Maximum water use permitted of 5500 m ³ / ha. for season (April 15 – Sept 15)

*Source: Adapted from EBA May 2007 Drought Management Plan

Note: The water restrictions do not apply to the use of rainwater, grey water, any forms of recycled water or reclaimed water,, or other sources of water outside the GVW area.

** Maximum daily residential water demand of 3.5 m³ / lot / residential unit.


Corporate Officer

TABLE 4.3: DROUGHT RESPONSE PLAN STAGE 2 – DRY CONDITIONS

TRIGGER: When total upland reservoir storage drops below DMP trigger level on a key assessment date

ACTIVITY		RESTRICTION DETAILS *
RESIDENTIAL **	Lawn and garden sprinkling: (a) Manual sprinkling (b) Underground Sprinklers w/Automatic Timers (c) Hand-held watering (d) Micro or drip irrigation	(a) Two days per week: 6 am to 10 am & 7 pm to 12 midnight. (b) Two day per week watering between 12 midnight and 6 am. (c) Any day: 6 am to 10 am and 7 pm to 12 midnight. (d) Any day: 6 am to 10 am and 7 pm to 12 midnight.
	New (non-established) lawns	Sprinkling outside restricted times allowed only with municipal permits to be displayed on lawn.
	Pools, spas, garden ponds, fountains and water features	Recycling water only. Filling, refilling and topping of pools is permitted. Two days per week: 12 midnight to 6 am.
	Private outdoor impermeable surfaces (i.e. driveways, sidewalks and parkades)	Hosing only for health and safety purposes or to prepare a surface for painting or similar treatment. Use spring-loaded nozzle. Washing for aesthetic purposes is prohibited.
	Private pressure washing	Only for health and safety purposes or to prepare a surface for painting or similar treatment. Washing for aesthetic purposes is prohibited.
	Outdoor car washing, boat washing	Only with hose equipped with spring-loaded nozzle. Use bucket with cloth or sponge.
COMMERCIAL	Lawn and aesthetic garden sprinkling (including cemeteries)	Two days per week between 7 pm and 6 am.
	New (non-established) lawns	Sprinkling outside restricted times allowed only with municipal permits to be displayed on lawn.
	Flowers, vegetables, decorative planters, shrubs and trees for sale	Two days per week between 7 pm and 6 am.
	Pools, spas, garden ponds, fountains and water features	Recycling water only. Filling, refilling and topping of pools is permitted. Two days per week: 6 am to 10 am and 7 pm to 12 midnight.
	Outdoor impermeable surfaces (i.e. driveways, sidewalks and parkades)	Hosing only for health and safety purposes or to prepare a surface for painting or similar treatment. Use spring-loaded nozzle. Washing for aesthetic purposes is prohibited.
	Pressure washing	Only for health and safety purposes or to prepare a surface for painting or similar treatment. Washing for aesthetic purposes is prohibited.
	Outdoor car washing, boat washing	Only with hose equipped with spring-loaded nozzle.
	Indoor commercial carwashes	No restrictions. By June 2011 must use at least 75% recycled water, otherwise can only operate 3 days per week.
	Golf courses	Water greens and tee areas normally, fairways only once weekly.
	Turf farms	No restrictions on watering of commercial turf.
Artificial turf and outdoor tracks (i.e. bicycle, motorcycle and running tracks)	Hosing for health and safety only. Use spring-loaded nozzle.	
PUBLIC	School yards, sports and sand-based playing fields	Minimum levels required to maintain areas in useable condition.
	Water play parks and pools	No restrictions on water play parks with user-activated switches. Extended backwash times for other pools required.
	Fountains and water features	Recycling water only.
	Municipal parks	Two days per week, between 7 pm and 6 am.
	Municipal ornamental lawns, grassed boulevards	Two days per week, between 7 pm and 6 am.
Municipal hydrant flushing	Only for unscheduled safety or public health reasons. No routine flushing.	

TABLE 4.3: DROUGHT RESPONSE PLAN STAGE 2 – DRY CONDITIONS

TRIGGER: When total upland reservoir storage drops below DMP trigger level on a key assessment date

ACTIVITY		RESTRICTION DETAILS *
AGRICULTURAL	Crop irrigation	Mandatory reduction. Maximum water use permitted; 90% of 5500 m ³ / ha. (4950 m ³ / ha.) for season (April 15 to Sept 15)

*Source: Adapted from EBA May 2007 Drought Management Plan

Note: The water restrictions do not apply to the use of rainwater, grey water, any forms of recycled water or reclaimed water, or other sources of water outside the GVW area.

** Maximum daily residential unit (3.15 m³ / lot / residential unit).


Corporate Officer

DROUGHT RESPONSE PLAN STAGE 3 – VERY DRY CONDITIONS		
TRIGGER: When total upland storage level drops below 80% of the minimum desired storage level on a key assessment date		
	ACTIVITY	RESTRICTION DETAILS *
RESIDENTIAL **	Lawn and gardening sprinkling. (a) Manual sprinkling (b) Underground Sprinklers w/Automatic Timers (c) Hand-held watering (d) Micro or drip irrigation	(a) One day per week: 6 am to 10 am and 7 pm to 12 midnight. (b) One day per week between 12 midnight and 6 am. (c) Two days per week, anytime (d) Anytime
	(a) Newly seeded lawns (b) Sod / Turf Lawns	(a) No new permits issued. (b) No new permits issued. Renewals of permits issued under lesser drought response stages will be issued before June 15 and after Aug 31. Placement of sod may take place to June 15 and after Aug 31 with a permit for a period not exceeding two (2) weeks.
	Vegetable gardens	Maximum one (1) hour per day, odd and even days (Any day for micro or drip irrigation and hand held watering can).
	Trees and shrubs	Maximum one (1) hour per day, odd and even days (Any day for micro or drip irrigation and hand held watering can).
	Pools	Filling, refilling or topping of pools is permitted two (2) hours per day, one day per week, 6 am to 5 pm for a period before June 15 and after Aug 31. Between June 15 and Aug 31 only topping of the pool is permitted. Pools must have a water recycling system and have a thermal cover in place when pool is not being used. Filling or refilling of pools may also take place during the annual spill at the Headgates reservoir.
	Hot Tubs	Filling or refilling is permitted for hot tubs containing less than 1.8 m ³ . Filling permitted one day per week: 12 midnight to 6 am.
	Garden Ponds	Filling or refilling is permitted for garden ponds using recycled water and containing less than 1.8 m ³ . Filling permitted one day per week: 12 midnight to 6 am.
	Fountains and Water Features	Filling or refilling is permitted using recycled water with total volume of less than 1.8 m ³ . Filling permitted one day per week: 12 midnight to 6 am.
	Private outdoor impermeable surfaces (i.e. driveways, sidewalks and parkades)	Hosing only for significant health and safety purposes or to prepare a surface for sealing or similar treatment. Washing for aesthetic purposes is prohibited.
	Private pressure washing	Private pressure washing is prohibited.
Car washing and boat washing	No washing or rinsing of vehicles and pleasure crafts, except for safety (windows, lights and licenses only) using a bucket with cloth or sponge.	

DROUGHT RESPONSE PLAN STAGE 3 – VERY DRY CONDITIONS

TRIGGER: When total upland storage level drops below 80% of the minimum desired storage level on a key assessment date

	ACTIVITY	RESTRICTION DETAILS *
COMMERCIAL	Lawn and aesthetic gardening sprinkling (including cemeteries)	One day per week between 7 pm and 6 am. Maximum two (2) hours per day (Any day for micro or drip irrigation).
	New (non-established) lawns	No new permits issued. Renewals will be reviewed on a case-by-case basis.
	Flowers, vegetables, decorative planters, shrubs and trees for sale	One day per week between 12 midnight and 6 am. with a maximum of two (2) hours in a calendar day (Any day for micro or drip irrigation).
	Pools	Filling or refilling is permitted. Pools must utilize recycled water. Filling of pools permitted between midnight and 6 am.
	Hot Tubs	Filling or refilling is permitted for hot tubs containing less than 1.8 m ³ . Filling permitted one day per week: 12 midnight to 6 am.
	Fountains and water features	All shut down.
	Outdoor impermeable surfaces (i.e. driveways, sidewalks and parkades)	Hosing only for significant health and safety purposes or to prepare a surface for sealing or similar treatment. Washing for aesthetic purposes is prohibited.
	Pressure washing	Only for significant health and safety purposes or to prepare a surface for painting or similar treatment. Use spring-loaded nozzle. Washing for aesthetic purposes is prohibited.
	Car washing and boat washing	No washing or rinsing of vehicles and pleasure crafts, except for safety (windows, lights and licenses only).
	Indoor Commercial car washes	Only permitted where car wash utilizes a minimum of 75% recycled water. Recycled systems must be in place by June 1, 2011.
	Golf courses	No watering permitted for fairways. Tees and greens – watering as per minimal agronomical requirements. * The water restrictions do not apply to the use of rainwater, grey water, any forms of recycled water or reclaimed water, or other sources of water outside the GVW area.
	Turf farms	Mandatory 20% reduction.
	Artificial turf and outdoor tracks (i.e. bicycle, motorcycle and running tracks.)	Hosing for health and safety only.
PUBLIC	School yards, sports and sand-based playing fields	Minimum levels required to maintain areas in useable condition.
	Water play parks and pools	No restrictions on water play parks with user-activated switches. Request longer backwash times for other pools.
	Fountains and water features	All shut down.
	Municipal parks ***	One day per week between 7 pm and 6 am. Maximum two (2) hours per day.
	Municipal ornamental lawns, grassed boulevards	One day per week between 7 pm and 6 am. Maximum two (2) hours per day.
	Municipal hydrant flushing	Only for unscheduled safety or public health reason. No routine flushing.
AGRICULTURAL	Crop irrigation	Mandatory reduction. Maximum water use permitted; 80% of 5500 m ³ / ha. (4400 m ³ / ha.) for season (May 15 to Sept 1) Late Turn On – May 1 **** Early Turn Off – Sept 1 ****

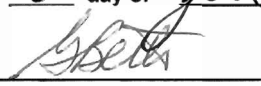
*Source: Adapted from EBA May 2007 Drought Management Plan

Note: The water restrictions do not apply to the use of rainwater, grey water, any forms of recycled water or reclaimed water, or other sources of water outside the GVW area.

** Maximum use per day of 80% of 3.5 m³ / household / day (2.8 m³ / household / day).

*** Designated lower priority parks shall discontinue irrigation to allow irrigation of higher priority community parks.

**** May turn on water on April 15 and turn off water on Sept 15 by resolution of RDNO Board.



Corporate Officer

TABLE 4.5: DROUGHT RESPONSE PLAN STAGE 4 – EMERGENCY LOSS OF SUPPLY		
TRIGGER: When total upland reservoir storage drops below 25% of the minimum level on a key assessment date, or for other non-hydrologic loss of water supply (i.e. contamination)		
	ACTIVITY	RESTRICTION DETAILS *
RESIDENTIAL **	Lawn sprinkling	All forms of watering are prohibited.
	New (non-established) lawns	No new permits issued or renewed. All forms of watering are prohibited.
	Flowers, vegetables, planters, shrubs and trees	All forms of watering are prohibited except for hand held watering.
	Pools, spas, garden ponds, fountains and water features	Filling and refilling is prohibited.
	Private outdoor impermeable surfaces (i.e. driveways, sidewalks and parkades)	All forms of hosing of outdoor surfaces are prohibited unless ordered by a regulatory authority (i.e. WCB, public health inspector, etc.).
	Private pressure washing	All forms of hosing of outdoor surfaces are prohibited unless ordered by a regulatory authority (i.e. WCB, public health inspector, etc.).
	Outdoor car washing, boat washing	No outdoor washing or rinsing of vehicles and pleasure crafts, except for safety (windows, lights and licenses only) using a bucket with cloth or sponge.
COMMERCIAL	Lawn sprinkling (including cemeteries)	All forms of watering are prohibited.
	New (non-established) lawns	No new permits issued or renewed. All forms of watering are prohibited.
	Flowers, vegetables, decorative planters, shrubs and trees	All forms of watering are prohibited.
	Flower and vegetable gardens for sale	Mandatory water restrictions. Reduce water consumption by 50%.
	Pools, spas, garden ponds	Filling and refilling is prohibited.
	Fountains and water features	All shut down.
	Outdoor impermeable surfaces (i.e. driveways, sidewalks and parkades)	All forms of hosing of outdoor surfaces are prohibited unless ordered by a regulatory authority (i.e. WCB, public health inspector, etc.).
	Pressure washing	All forms of hosing of outdoor surfaces are prohibited unless ordered by a regulatory authority (i.e. WCB, public health inspector, etc.).
	Car washing, boat washing	No washing or rinsing of vehicles and pleasure crafts, except for safety (windows, lights and licenses only) using a bucket with cloth or sponge.
	Indoor commercial carwashes	All shut down.
	Golf courses	All forms of watering are prohibited.
	Turf farms	Mandatory water restrictions. Reduce water consumption by 50%.
	Artificial turf and outdoor tracks (i.e. bicycle, motorcycle and running tracks)	All forms of watering are prohibited.
PUBLIC	School yards, sports and sand-based playing fields	All forms of watering are prohibited.
	Water play parks and pools	All water parks shut down. Municipal outdoor pools closed.
	Fountains and water features	All shut down.
	Municipal parks	All forms of watering are prohibited.
	Municipal ornamental lawns, grassed boulevards	All forms of watering are prohibited.
	Municipal hydrant flushing	Only for unscheduled safety or public health reason. No Routine flushing.
AGRICULTURAL	Crop irrigation	Mandatory water restrictions. Maximum water use permitted; 50% of 5500 m ³ / ha. (2750 m ³ / ha.) for season (May 1 – Sept 1)

*Source: Adapted from EBA May 2007 Drought Management Plan

Note: The water restrictions do not apply to the use of rainwater, grey water, any forms of recycled water or reclaimed water,, or other sources of water outside the GVW area.

** Maximum daily residential water demand of 50% of 3.5 m³ / lot / residential unit (1.75 m³ / lot / residential unit).

Corporate Officer

