

NO: R028

COUNCIL DATE: February 20, 2012

REGULAR COUNCIL

TO: **Mayor & Council**

DATE: **February 15, 2012**

FROM: **General Manager, Engineering**

FILE: **5600-15**

SUBJECT: **Amendments to Water Shortage Response By-law, 2004, No. 15454 – Changes to the Lawn Sprinkling Restrictions**

RECOMMENDATION:

The Engineering Department recommends that Council:

1. Approve amendments to Water Shortage Response By-law, 2004, No. 15454 as documented in Appendix I to this report; and
2. Authorize the City Clerk to bring forward the related amendment By-law for the required readings.

INTENT

The purpose of this report is to obtain Council approval of housekeeping amendments to the Water Shortage Response By-law, 2004, No. 15454, in response to changes in the lawn sprinkling restrictions in the Region.

BACKGROUND

At its Regular meeting on October 3, 2011 Council considered Corporate Report No. R186; 2011, which recommended the endorsement of the 2011 Drinking Water Management Plan (the “Plan”) as updated by the Greater Vancouver Water District. Council adopted the recommendations of that report, thereby authorizing staff to implement the actions identified in that Plan that are applicable to and practical for the City of Surrey.

One of the goals of the Plan is to ensure the sustainable use of water resources by developing, implementing and enforcing consistent by-laws to encourage efficient use of water; in particular related to lawn sprinkling restrictions. Corporate Report No. R186; 2011 identified the following action item from the Plan and documented the Surrey Engineering Department’s intended course of action:

*“2.1.8 **Sprinkling Restrictions:** Develop, implement and enforce consistent by-laws to encourage water efficiency and implement Metro Vancouver’s Water Shortage Response Plan (ongoing action and similar action in 2005 Plan).”*

Intended Course of Action:

Earlier this year Metro Vancouver revised the Region's Lawn Sprinkling Regulations and requested that member municipalities adopt these new regulations. These new regulations eliminate all evening lawn sprinkling and only allow residential lawn sprinkling in the morning (4:00 am to 9:00 am) three days per week. Staff will forward a report to Council in due course recommending that the City of Surrey adopt these new MV regulations in 2012."

This report is in follow up to the above noted item.

DISCUSSION

In 2011 Metro Vancouver revised its Lawn Sprinkling Regulations (the "2011 Regulations") to reduce peak period demand on the regional water transmission system. MV requested that member municipalities also adopt the 2011 Regulations.

New Lawn Sprinkling Regulations

The 2011 Regulations eliminate all evening lawn sprinkling and only allow residential lawn sprinkling during early morning hours between 4:00 am and 9:00 am, three days per week. Formerly, sprinkling was allowed in both the morning and the evening on two days per week. The 2011 Regulations eliminate evening sprinkling but allow an additional morning for sprinkling each week. The period during which the lawn sprinkling restrictions apply remains unchanged, being the period between June 1st and September 30th of each year.

Newly planted lawns can be sprinkled outside of restricted times subject to the owner obtaining a permit from the City and having it displayed on the newly planted lawn.

As was the case with the previous version of the Regulations, the 2011 Regulations do not restrict the watering of flower and vegetable gardens, decorative planters, shrubs and/or trees.

The 2011 Regulations include new sprinkling restrictions for non-residential water consumers. Earlier hours for sprinkling have been introduced for these consumers as they typically have automated in-ground sprinkling systems that can easily be re-programmed to accommodate sprinkling at earlier hours when overall water demand is lower and sprinkling is more effective.

With these changes that have been introduced in the 2011 Regulations, lawn sprinkling will occur more evenly over the hours of each day and will occur when overall water demand is lower and sprinkling is more effective due to lower evaporation rates.

The attached Appendix II provides a summary of the current lawn sprinkling restrictions and those that will take effect if the 2011 Regulations as discussed in this report are adopted.

Appendix III provides a full summary of the 2011 Regulations.

Housekeeping Amendments

A number of housekeeping amendments are being recommended in relation to the Water Shortage Response By-law to ensure that the text of the By-law is consistent from section to section in relation to the introduction of the 2011 Regulations.

The proposed amendments to Water Shortage Response By-law are documented in the attached Appendix I.

Implementation

Last summer Metro Vancouver advertised the revised sprinkling regulations with the intent that member municipalities would incorporate these restrictions and initiate enforcement of these restrictions beginning June 1, 2012.

The City did not implement the 2011 Regulations last year as staff were unsure if it would be feasible for single family and small business properties to sprinkle their lawns in the morning (4:00 a.m. – 9:00 a.m.). Also, as the prior Lawn Sprinkling Regulation had been implemented for the last 19 years, an extensive public information and education program was required to notify the public of the reasons and details of the proposed revision. Given that some other member municipalities successfully introduced the 2011 Regulations last year with little concern reported from single family and small business properties, staff is more confident that the revised Regulations will be accepted by Surrey residents as reasonable.

Subject to Council adopting the recommendations of this report, staff will initiate a public education campaign utilizing the City's website, newspaper ads, and the City's Waste Collection Calendar for 2012 to notify the public of the changes to the lawn sprinkling regulations.

The restrictions will take effect June 1, 2012. The fine for sprinkling outside of permitted times is \$200 (Stage 1 unauthorized watering) per occurrence.

Legal Services Review

This report and the related By-law amendments have been reviewed by Legal Services.

SUSTAINABILITY CONSIDERATIONS

The by-law amendments as recommended will assist in achieving the objectives of the Social and Environmental Pillars of the City's Sustainability Charter; more particularly, the following goals:

- EN8: Sustainable Engineering Standards and Practices (the by-law amendments will promote the proper stewardship of the Region's drinking water supply by promoting water conservation and the effective use of the drinking water resource);
- SC8: Municipal Outreach, Public Education and Awareness; and
- EC8: Sustainable Infrastructure Maintenance Replacement.

CONCLUSION

Based on the above discussion, it is recommended that Council:

- Approve amendments to Water Shortage Response By-law, 2004, No. 15454 as documented in Appendix I to this report; and
- Authorize the City Clerk to bring forward the related amendment By-law for the required readings.

Vincent Lalonde, P.Eng.
General Manager, Engineering

VL/JA/JLU/brb

- Appendix I - Proposed Amendments to Water Shortage Response By-law, 2004, No. 15454
Appendix II - Summary of the Current and Proposed Lawn Sprinkling Restrictions for each of the Various Stages during Which Restrictions Apply
Appendix III - Summary of the Restrictions of the Amended Water Shortage Response By-law, 2004, No. 15454, For Each Stage of Water Use Restriction

APPENDIX I

Proposed Amendments to Water Shortage Response By-law, 2004, No. 15454

That the By-law be amended as follows:

1. By deleting the existing Section 2.1(f) in its entirety and replacing it with the following new Section 2.1(f):
 - (f) "Lawns" includes grass growing at cemeteries, ornamental lawns at City facilities, and grassed boulevards, whether or not the grass is newly planted.
2. By deleting the existing Section 2.1(p) in its entirety and replacing it with the following new Section 2.1(p):
 - (p) "Water" used as a verb, and "Watering", mean the application or distribution of Water (used as a noun) to lands or plants by any means, including by hoses or by automatic sprinklers, but does not include Drip Irrigation.
3. By deleting the words "Water Use Sector" from Section 4.1 and replacing them with the words "high outdoor consumer of Water".
4. By deleting the existing Section 4.1(b) in its entirety and replacing it with the following new Section 4.1(b):
 - (b) the volume of Water projected to be consumed from June 1st to September 30th of each year under the proposed Water Use Plan;
5. By deleting the existing Section 6.4 in its entirety and replacing it with the following new Section 6.4:
 - 6.4 Where a prosecution is commenced pursuant to paragraph 6.2(b) against a Person unlawfully using Water in a commercial operation while Stage 4 Restrictions are in effect, whether or not a Water Use Plan had been obtained for the commercial operation, upon conviction that Person shall be liable to pay a fine of not less than \$5000.
6. By deleting Schedules 1 through 6 in their entirety and replacing them with the new Schedules 1 through 6 attached to this by-law.

SCHEDULE 1: RESTRICTION STAGES

PART 1: STAGE 1 RESTRICTIONS

- 1.1 Subject to Section 1.2 of this Schedule, when Stage 1 Restrictions are in force, no Person shall:
- (a) Water Lawns, except:
 - (i) at residential premises with even numbered civic addresses, on Mondays, Wednesdays and Saturdays between the hours of 4:00 a.m. and 9:00 a.m.;
 - (ii) at residential premises with odd numbered civic addresses, on Tuesdays, Thursdays and Sundays between the hours of 4:00 a.m. and 9:00 a.m.;
 - (iii) at non-residential premises with even numbered civic addresses, including City ornamental lawns and grassed boulevards, on Mondays and Wednesdays between the hours of 1:00 a.m. and 6:00 a.m. and on Fridays between the hours of 4:00 a.m. and 9:00 a.m.; and
 - (iv) at non-residential premises with odd numbered civic addresses, including City ornamental lawns and grassed boulevards, on Tuesdays and Thursdays between the hours of 1:00 a.m. and 6:00 a.m. and on Fridays between the hours of 4:00 a.m. and 9:00 a.m.; or
 - (b) use a hose providing Water to wash boats or motor vehicles, driveways, sidewalks, parkades, walls, roofs or other outdoor surfaces, unless the hose is equipped with an Automatic Shut-off Device.
- 1.2 Section 1.1 of this Schedule does not apply to:
- (a) a Person who Waters a Lawn, including a newly-planted Lawn, at premises described in a valid and subsisting Permit, provided the Person is and has been at all times in compliance with the Permit;
 - (b) Watering:
 - (i) school yards, sports fields and sand-based playing fields;
 - (ii) City parks;
 - (iii) golf courses, provided that the City may ask golf course operators to cut Water use on fairways by as much as possible;
 - (iv) turf at turf farms;
 - (v) artificial turf or outdoor tracks where Watering is required for dust control or safety; and

- (vi) flowers and flower gardens, vegetables and vegetable gardens, decorative planters, shrubs or trees;
- (c) Water Play Parks;
- (d) ornamental fountains and water features;
- (e) pools, spas and garden ponds;
- (f) pressure washing; or
- (g) indoor commercial car washes.

PART 2: STAGE 2 RESTRICTIONS

2.1 Subject to Section 2.2 of this Schedule, when Stage 2 Restrictions are in force, no Person shall:

- (a) Water Lawns, except:
 - (i) at residential premises with even numbered civic addresses, on Mondays between the hours of 4:00 a.m. and 9:00 a.m.;
 - (ii) at residential premises with odd numbered civic addresses, on Thursdays between the hours of 4:00 a.m. and 9:00 a.m.;
 - (iii) at non-residential premises with even numbered civic addresses, including City ornamental lawns, grassed boulevards and City parks, on Wednesdays between the hours of 1:00 a.m. and 6:00 a.m.;
 - (iv) at non-residential premises with odd numbered civic addresses, including City ornamental lawns, grassed boulevards and City parks, on Tuesdays between the hours of 1:00 a.m. and 6:00 a.m.; and
 - (v) fairways of golf courses, restricted to one day per week;
- (b) use a hose providing Water to wash boats or motor vehicles, unless the hose is equipped with an Automatic Shut-off Device;
- (c) use a pressure washer or hose providing Water to wash driveways, sidewalks, parkades, walls, roofs or other outdoor surfaces, unless the purpose of washing the surface is:
 - (i) to prepare the surface for painting, sealing, or similar treatment; or
 - (ii) for the health or safety of any Person,

and where a hose is used, the hose must be equipped with an Automatic Shut-off Device; or

(d) operate ornamental fountains or water features.

2.2 Section 2.1 of this Schedule does not apply to:

(a) a Person who Waters a Lawns, including a newly-planted Lawn, at premises described in a valid and subsisting Permit, provided the Person is and has been at all times in compliance with the Permit;

(b) Watering:

(i) school yards, sports fields and sand-based playing fields, limited to the minimum levels required to maintain areas in useable condition;

(ii) greens and tee areas of golf courses;

(iii) turf at turf farms;

(iv) artificial turf or outdoor tracks where Watering is required for dust control or safety; and

(v) flowers and flower gardens, vegetables and vegetable gardens, decorative planters, shrubs or trees; or

(c) Water Play Parks with user-activated switches;

(d) pools, spas and garden ponds; or

(e) indoor commercial car washes.

PART 3: STAGE 3 RESTRICTIONS

3.1 Subject to Section 3.1 of this Schedule, when Stage 3 Restrictions are in force, no Person shall:

(a) Water:

(i) Lawns;

(ii) flowers, vegetables, decorative planters, shrubs or trees, unless Watering is carried out by hand using containers or with a hose equipped with an Automatic Shut-off Device and is not carried out using sprinklers or soaker hoses; and

(iii) fairways of golf courses;

(b) use a hose providing Water to wash boats or motor vehicles, unless the hose is equipped with an Automatic Shut-off Device, and the purpose of washing is to maintain visibility of lights or license plates, or the ability to see through windows, or is otherwise required for the safe operation of the boat or motor vehicle;

- (c) at residential premises, use a hose providing Water to wash driveways, sidewalks, parkades, walls, roofs or other outdoor surfaces, unless the hose is equipped with an Automatic Shut-off Device and the purpose of washing the surface is:
 - (i) to prepare the surface for painting, sealing, or similar treatment; or
 - (ii) for the health or safety of any Person;
- (d) at residential premises, use a pressure washer for any purpose;
- (e) at non-residential premises, use a pressure washer or hose providing Water to wash driveways, sidewalks, parkades, walls, roofs or other outdoor surfaces, unless the purpose of washing the surface is:
 - (i) to prepare the surface for painting, sealing, or similar treatment; or
 - (ii) for the health or safety of any Person,and where a hose is used, the hose must be equipped with an Automatic Shut-off Device;
- (f) operate ornamental fountains or water features;
- (g) use Water to fill or re-fill pools, spas or garden ponds; or
- (h) use a hose providing Water unless the hose is equipped with an Automatic Shut-off Device.

3.2 Section 3.1 of this Schedule does not apply to:

- (a) Watering:
 - (i) school yards, sports fields and sand-based playing fields, limited to the minimum levels required to maintain areas in useable condition;
 - (ii) greens and tee areas of golf courses, limited to the minimum levels required to maintain areas in useable condition;
 - (iii) turf at turf farms;
 - (iv) artificial turf or outdoor tracks where Watering is required for dust control or safety; and
 - (v) flower gardens and vegetable gardens at non-residential premises;
- (b) Water Play Parks with user-activated switches; or
- (c) indoor commercial car washes.

PART 4: STAGE 4 RESTRICTIONS

- 4.1 Subject to Section 4.2 of this Schedule, when Stage 4 Restrictions are in force, no Person shall:
- (a) Water, or engage in Drip Irrigation using Water:
 - (i) Lawns, whether newly planted or otherwise;
 - (ii) flowers or flower gardens, vegetables or vegetable gardens, decorative planters, shrubs or trees;
 - (iii) outdoor tracks; and
 - (iv) school yards, sports fields and sand-based playing fields;
 - (b) use a hose providing Water to wash boats or motor vehicles, unless the hose is equipped with an Automatic Shut-off Device, and the purpose of washing is to maintain visibility of lights or license plates, or the ability to see through windows, or is otherwise required for the safe operation of the boat or motor vehicle;
 - (c) use a hose or pressure washer providing Water to wash sidewalks, driveways, walls, roofs or other outdoor surfaces, unless the hose is equipped with an Automatic Shut-off Device, and the washing has been ordered by a regulatory authority;
 - (d) operate ornamental fountains or water features;
 - (e) operate a Water Play Park or public pool;
 - (f) use Water to fill or re-fill pools, spas, garden ponds or ornamental fountains;
 - (g) operate a car wash, whether or not it is an indoor car wash; or
 - (h) use Water from a hose providing Water unless the hose is equipped with an Automatic Shut-off Device where engaged in an activity not prohibited in paragraphs 4.1(a) through (g) of this Schedule.
- 4.2 For greater certainty, Section 4.1 of this Schedule applies to all areas of:
- (a) golf courses;
 - (b) turf farms and nurseries; and
 - (c) cemeteries.

PART 5: EXEMPTIONS

- 5.1 The restrictions set out in Parts 1 to 3 of this Schedule do not apply to a Person operating under a valid and subsisting Water Use Plan issued under Part 4 of this By-law, provided that the Person is in compliance with the Water Use Plan.

SCHEDULE 2: INFORMATION FOR PUBLIC ANNOUNCEMENT OF STAGE 1 RESTRICTIONS

A Public Announcement of Stage 1 Restrictions is sufficient for the purposes of Section 3.3 of this By-law if it includes substantially the following information:

- That lawn sprinkling is allowed at residential premises only from 4 AM to 9 AM
- That even-numbered residential addresses may sprinkle only on Mondays, Wednesdays and Saturdays, and that odd-numbered residential addresses may sprinkle only on Tuesdays, Thursdays and Sundays
- That lawn sprinkling is allowed at non-residential premises with even-numbered addresses only on Mondays and Wednesdays from 1 AM to 6 AM and on Fridays from 4 AM to 9 AM
- That lawn sprinkling is allowed at non-residential premises with odd-numbered addresses only on Tuesdays and Thursdays from 1 AM to 6 AM and on Fridays from 4 AM to 9 AM
- That these sprinkling regulations apply only to lawns, and not to gardens, shrubs, trees and flower beds
- That when washing a boat or motor vehicle other than at commercial car wash, or hosing or pressure washing outdoor surfaces, water hoses must be equipped with an automatic shut-off device (a nozzle that shuts off automatically unless hand pressure is applied)

SCHEDULE 3: INFORMATION FOR PUBLIC ANNOUNCEMENT OF STAGE 2 RESTRICTIONS

A Public Announcement of Stage 2 Restrictions is sufficient for the purposes of Section 3.3 of this By-law if it includes substantially the following information:

- That lawn sprinkling is allowed at all premises only one day per week
- That even-numbered residential addresses may sprinkle only on Mondays from 4 AM to 9 AM, and that odd-numbered residential addresses may sprinkle only on Thursdays from 4 AM to 9 AM
- That even-numbered non-residential addresses may sprinkle only on Wednesdays from 1 AM to 6 AM, and that odd-numbered non-residential addresses may sprinkle only on Tuesdays from 1 AM to 6 AM
- That these sprinkling regulations apply only to lawns, and not to gardens, shrubs, trees and flower beds
- That hosing or pressure washing of outdoor surfaces is only allowable for health, safety or preparing a surface for painting, sealing, or similar treatment
- That decorative fountains must be shut down
- That when washing a boat or motor vehicle other than at commercial car wash, water hoses must be equipped with an automatic shut-off device (a nozzle that shuts off automatically unless hand pressure is applied)

SCHEDULE 4: INFORMATION FOR PUBLIC ANNOUNCEMENT OF STAGE 3 RESTRICTIONS

A Public Announcement of Stage 3 Restrictions is sufficient for the purposes of Section 3.3 of this By-law if it includes substantially the following information:

- That lawn sprinkling is not allowed by homes or businesses
- That residential and most commercial gardens, shrubs, trees and flower beds may only be watered by hand, by containers or by drip irrigation
- That private (residential) pressure washing is prohibited
- That private (residential) hosing is only allowed for health, safety or preparing a surface for painting
- That commercial pressure washing or hosing is only allowed for health, safety or preparing a surface for painting
- That decorative fountains must be shut down
- That hand washing of vehicles is restricted to features required for safety (windows, lights, licenses)
- That refilling of private, commercial and public swimming pools, spas and garden ponds is prohibited
- That when washing a boat or motor vehicle other than at commercial car wash, water hoses must be equipped with an automatic shut-off device (a nozzle that shuts off automatically unless hand pressure is applied)

SCHEDULE 5: INFORMATION FOR PUBLIC ANNOUNCEMENT OF STAGE 4 RESTRICTIONS

A Public Announcement of Stage 4 Restrictions is sufficient for the purposes of Section 3.3 of this By-law if it includes substantially the following information:

- That lawn sprinkling by homes or businesses is prohibited
- That watering of residential and commercial gardens, shrubs, trees and flower beds by any method is prohibited
- That drip irrigation is prohibited
- That private and commercial hosing or pressure washing is prohibited except if ordered by a regulatory authority
- That washing of vehicles using any method is prohibited except for features required for safety (windows, lights, licenses), including at commercial car washes
- That decorative fountains must be shut down
- That refilling of private, commercial and public garden ponds, ornamental fountains, spas and swimming pools is prohibited
- That the operation of Water Play Parks is prohibited



Special Sprinkling Permit

Watering of Newly Turfed or Seeded Lawns

This is to confirm that the residence at _____ has been granted a special relaxation from the sprinkling regulations now in effect and the resident is permitted to water the newly seeded/sodded lawn, in accordance with the following time restrictions, for a period of twenty-one (21) calendar days from the date of installation. **Should Stage 3 Restrictions or Stage 4 Restrictions be announced, this Permit is no longer valid.**

Sprinkling Permitted:

Days: Every day for three (3) weeks.

Time: 4:00 a.m. to 9:00 a.m.

This Permit Expires On:

Vincent Lalonde, P.Eng.
General Manager, Engineering

Non-Refundable administration fee received. (Receipt No. _____)
File: 4520-09

OWNER'S/APPLICANT'S STATEMENT:

I acknowledge that:

- a. this permit is required to be visibly displayed on the lawn of the residence during its term and that it will be an infraction of Water Response Shortage By-law, 2004, No. 15454 if this permit is not so displayed;
- b. this permit is issued specifically for lawn seeded/sodded within the last three weeks from the date of this application, as supported by an invoice or delivery slip from the professional landscape contractor who installed it;
- c. the permitted sprinkling will be done only during the hours stipulated on the permit;
- d. the fee paid is non-refundable;
- e. this permit is issued to the property at this address for a period of 21 days and may be renewed only once for an additional period of 21 days, if required, upon subsequent application to the City;
- f. upon expiry of this permit, the prevailing sprinkling restrictions or ban will be applicable and observed;
- g. the City may withdraw or nullify this permit at any time and will be under no obligation to refund the fee or provide any explanations; and
- h. should Stage 3 Restrictions or Stage 4 Restrictions be announced, this Permit is no longer valid.

Date of installation of new turf or seeding: _____

(Owner/Applicant)

(Signature)

APPENDIX II

Summary of the Current and Proposed Lawn Sprinkling Restrictions for each of the Various Stages during Which Restrictions Apply

Restriction Stage	Existing (By-law No. 15454) Restrictions	Proposed Restrictions
Stage 1	<ul style="list-style-type: none"> • even numbered civic addresses sprinkle Wednesday and Saturday between 4 am and 9 am, and 7 pm and 10 pm, and • odd numbered civic addresses sprinkle Thursday and Sunday between 4 am and 9 am, and 7 pm and 10 pm 	<p>Residential:</p> <ul style="list-style-type: none"> • even numbered addresses sprinkle Monday, Wednesday and Saturday between 4 am and 9 am, and • odd numbered addresses sprinkle Tuesday, Thursday and Sunday between 4 am and 9 am <p>Non Residential:</p> <ul style="list-style-type: none"> • even numbered addresses sprinkle Monday and Wednesday between 1 am and 6 am, and • odd numbered addresses sprinkle Tuesday and Thursday between 1 am and 6 am, and • all non residential addresses may sprinkle Friday between 4 am and 9 am
Stage 2	<ul style="list-style-type: none"> • even numbered civic addresses sprinkle Wednesday between 4 am and 9 am, and 7 pm and 10 pm, and • odd numbered civic addresses sprinkle Thursday between 4 am and 9 am, and 7 pm and 10 pm 	<p>Residential:</p> <ul style="list-style-type: none"> • even numbered addresses sprinkle Monday between 4 am and 9 am, and • odd numbered addresses sprinkle Thursday between 4 am and 9 am <p>Non Residential:</p> <ul style="list-style-type: none"> • even numbered addresses sprinkle Wednesday between 1 am and 6 am, and • odd numbered addresses sprinkle Tuesday between 1 am and 6 am
Stage 3	All lawn sprinkling prohibited. Garden and tree watering by hand only.	No change from existing for lawns, gardens and trees.
Stage 4	All lawn, garden and tree watering is prohibited.	No change from existing for lawns, gardens and trees.

APPENDIX III

Summary of the Restrictions of the Amended Water Shortage Response By-law For Each Stage of Water Use Restriction

Water Shortage Response Plan Stage 1 - *At a Glance*

NOTE: These restrictions apply only to the use of treated drinking water. The WSRP restrictions do not apply to the use of rain water, gray water, any forms of recycled water, or other sources of water outside the GVWD.

	ACTIVITY	RESTRICTION DETAILS
RESIDENTIAL	Lawn sprinkling	June 1-Sept. 30, even-numbered addresses - Monday, Wednesday and Saturday mornings (4 - 9 am), odd-numbered addresses - Tuesday, Thursday and Sunday mornings (4 - 9 am)
	New (unestablished) lawns.	Sprinkling outside restricted times allowed only with municipal permits to be displayed on lawn.
	Flowers, vegetables, planters, shrubs & trees	No restrictions
	<u>Pools, spas, garden ponds</u>	No restrictions
	Private outdoor impermeable surfaces (i.e., driveways, sidewalks)	No restrictions on hosing of outdoor impermeable surfaces
	<u>Private pressure washing</u>	No restrictions on pressure washing
	<u>Outdoor car washing, boat washing</u>	Only with hose equipped with spring-loaded shut off.
NON-RESIDENTIAL	Lawn sprinkling (including cemeteries)	June 1-Sept. 30, even numbered addresses - Monday and Wednesday mornings (1 - 6 am), odd numbered addresses - Tuesday and Thursday mornings (1 - 6am), all non-residential addresses - Friday mornings (4 - 9 am)
	New (unestablished) lawns.	Sprinkling outside restricted times allowed only with municipal permits to be displayed on lawn.
	Flowers, vegetables, decorative planters, shrubs & trees	No restrictions on watering of flowers, vegetables, planters, shrubs and trees
	Flower and vegetable gardens	No restrictions on watering of flower and vegetable gardens
	<u>Pools, spas, garden ponds</u>	No restrictions
	<u>Fountains and water features</u>	No restrictions
	Outdoor impermeable surfaces (i.e., driveways, sidewalks and parkades)	No restrictions on hosing of outdoor impermeable surfaces
	<u>Pressure washing</u>	No restrictions on pressure washing
	<u>Outdoor car washing, boat washing</u>	Only with hose equipped with spring-loaded shut off.
	<u>Indoor commercial carwashes</u>	No restrictions on the car washing operation
	<u>Golf courses</u>	Municipalities request golf course operators cut water use on fairways by as much as possible.
	<u>Turf farms</u>	No restrictions on watering of commercial turf
Artificial turf and outdoor tracks (i.e., bicycle, motorcycle & running tracks)	Hosing for health and safety only.	

		ACTIVITY	RESTRICTION DETAILS
PUBLIC		<u>School yards, sports and sand-based playing fields</u>	No restrictions
		<u>Water play parks and pools</u>	No restrictions
		<u>Fountains and water features</u>	No restrictions
		Municipal parks	No restrictions
		Municipal ornamental lawns, grassed boulevards.	June 1-Sept. 30, even numbered addresses - Monday and Wednesday mornings (1 - 6 am), odd numbered addresses - Tuesday and Thursday mornings (1 - 6am), all non-residential addresses - Friday mornings (4 - 9 am)
		Municipal hydrant flushing	Only for unscheduled safety or public health reason. Routine flushing to be scheduled outside WSRP timeframe.

For information regarding enforcement of the WSRP, please contact your municipality.

For general WSRP information, please contact the METRO VANCOUVER Information Centre at 604-432-6200.

Water Shortage Response Plan Stage 2 - *At a Glance*

NOTE: These restrictions apply only to the use of treated drinking water. The WSRP restrictions do not apply to the use of rain water, gray water, any forms of recycled water, or other sources of water outside the GVWD.

	ACTIVITY	RESTRICTION DETAILS
RESIDENTIAL	Lawn sprinkling	Only once weekly. even numbered addresses - Monday morning only (4 - 9 am), odd-numbered addresses - Thursday morning only (4 - 9 am)
	New (unestablished) lawns.	Sprinkling outside restricted times allowed only with municipal permits to be displayed on lawn.
	Flowers, vegetables, planters, shrubs & trees	No restrictions on watering of flowers, vegetables, planters, shrubs and trees
	<u>Pools, spas, garden ponds</u>	No restrictions
	Private outdoor impermeable surfaces (i.e., driveways, sidewalks)	Hosing only for health and safety purposes or to prepare a surface for painting or similar treatment. Washing for aesthetic purposes is prohibited.
	<u>Private pressure washing</u>	Only for health and safety purposes or to prepare a surface for painting or similar treatment. Washing for aesthetic purposes is prohibited.
	<u>Outdoor car washing, boat washing</u>	Only with hose equipped with spring-loaded shut off.
NON-RESIDENTIAL	Lawn sprinkling (including cemeteries)	Only once weekly. even-numbered addresses - Wednesday morning only (1 - 6 am), odd-numbered addresses - Tuesday mornings only (1 - 6 am)
	New (unestablished) lawns.	Sprinkling outside restricted times allowed only with municipal permits to be displayed on lawn.
	Flowers, vegetables, decorative planters, shrubs & trees	No restrictions on watering of flowers, vegetables, planters, shrubs and trees
	Flower and vegetable gardens	No restrictions on watering of flower and vegetable gardens
	<u>Pools, spas, garden ponds</u>	No restrictions
	<u>Fountains and water features</u>	All shut down
	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. Washing for aesthetic purposes is prohibited.
	<u>Pressure washing</u>	Only for health and safety purposes or to prepare a surface for painting or similar treatment. Washing for aesthetic purposes is prohibited.
	<u>Outdoor car washing, boat washing</u>	Only with hose equipped with spring-loaded shut off.
	<u>Indoor commercial carwashes</u>	No restrictions on the car washing operation
	<u>Golf courses</u>	Water greens and tee areas normally; fairways only once weekly. Signage indicating the use of non-GVWD water is encouraged.
	<u>Turf farms</u>	No restrictions on watering of commercial turf
Artificial turf and outdoor tracks (i.e., bicycle, motorcycle & running tracks)	Hosing for health and safety only.	
PUBLIC	<u>School yards, sports and sand-based playing fields</u>	Minimum levels required to maintain areas in useable condition.
	<u>Water play parks and pools</u>	Only water play parks with user-activated switches will be operated.
	<u>Fountains and water features</u>	All shut down
	Municipal parks	Only once weekly. even-numbered addresses - Wednesday morning only (1 - 6 am), odd-numbered addresses - Tuesday mornings only (1 - 6 am)
	Municipal ornamental lawns, grassed boulevards.	Only once weekly. even-numbered addresses - Wednesday morning only (1 - 6 am), odd-numbered addresses - Tuesday mornings only (1 - 6 am)
	Municipal hydrant flushing	Only for unscheduled safety or public health reason. Routine flushing to be scheduled outside WSRP timeframe.

For information regarding enforcement of the WSRP, please contact your municipality.

For general WSRP information, please contact the METRO VANCOUVER Information Centre at 604-432-6200.

Water Shortage Response Plan Stage 3 - At a Glance

NOTE: These restrictions apply only to the use of treated drinking water. The WSRP restrictions do not apply to the use of rain water, gray water, any forms of recycled water, or other sources of water outside the GVWD.

	ACTIVITY	RESTRICTION DETAILS
RESIDENTIAL	Lawn sprinkling	All forms of watering using treated drinking water are prohibited.
	New (unestablished) lawns.	No new permits issued or renewed. All forms of watering using treated drinking water are prohibited.
	Flowers, vegetables, planters, shrubs & trees	Only if done by hand using a spring-loaded shut off nozzle, or using containers or drip irrigation. Use of sprinklers or soaker hoses is prohibited.
	<u>Pools, spas, garden ponds</u>	Refilling is prohibited.
	Private outdoor impermeable surfaces (i.e., driveways, sidewalks)	Hosing only for health and safety purposes or to prepare a surface for sealing or similar treatment. Washing for aesthetic purposes is prohibited.
	<u>Private pressure washing</u>	Private pressure washing is prohibited.
	<u>Outdoor car washing, boat washing</u>	No outdoor washing or rinsing of vehicles and pleasure crafts, except for safety (windows, lights and licenses only).
NON-RESIDENTIAL	Lawn sprinkling (including cemeteries)	All forms of watering using treated drinking water are prohibited.
	New (unestablished) lawns.	No new permits issued or renewed. All forms of watering using treated drinking water are prohibited.
	Flowers, vegetables, decorative planters, shrubs & trees	Only if done by hand using a spring-loaded shut off nozzle, or using containers or drip irrigation. Use of sprinklers or soaker hoses is prohibited.
	Flower and vegetable gardens	No restrictions on watering of flower and vegetable gardens
	<u>Pools, spas, garden ponds</u>	Refilling is prohibited.
	<u>Fountains and water features</u>	All shut down
	Outdoor impermeable surfaces (i.e., driveways, sidewalks and parkades)	Hosing only for health and safety purposes or to prepare a surface for sealing or similar treatment. Washing for aesthetic purposes is prohibited.
	<u>Pressure washing</u>	Only for health and safety purposes or to prepare a surface for painting or similar treatment. Washing for aesthetic purposes is prohibited.
	<u>Outdoor car washing, boat washing</u>	No outdoor washing or rinsing of vehicles and pleasure crafts, except for safety (windows, lights and licenses only).
	<u>Indoor commercial carwashes</u>	No restrictions on the car washing operation
	<u>Golf courses</u>	Water greens and tee areas at minimum levels required to maintain areas in useable condition; fairways may not be watered.
	<u>Turf farms</u>	No restrictions on watering of commercial turf
Artificial turf and outdoor tracks (i.e., bicycle, motorcycle & running tracks)	Hosing for health and safety only.	
PUBLIC	<u>School yards, sports and sand-based playing fields</u>	Minimum levels required to maintain areas in useable condition.
	<u>Water play parks and pools</u>	Only water play parks with user-activated switches will be operated.
	<u>Fountains and water features</u>	All shut down
	Municipal parks	All forms of watering using treated drinking water are prohibited.
	Municipal ornamental lawns, grassed boulevards.	All forms of watering using treated drinking water are prohibited.
	Municipal hydrant flushing	Only for unscheduled safety or public health reason. Routine flushing to be scheduled outside WSRP timeframe.

For information regarding enforcement of the WSRP, please contact your municipality.

For general WSRP information, please contact the METRO VANCOUVER Information Centre at 604-432-6200.

Water Shortage Response Plan Stage 4 - At a Glance

NOTE: These restrictions apply only to the use of treated drinking water. The WSRP restrictions do not apply to the use of rain water, gray water, any forms of recycled water, or other sources of water outside the GVWD.

	ACTIVITY	RESTRICTION DETAILS
RESIDENTIAL	Lawn sprinkling	All forms of watering using treated drinking water are prohibited.
	New (unestablished) lawns.	No new permits issued or renewed. All forms of watering using treated drinking water are prohibited.
	Flowers, vegetables, planters, shrubs & trees	All forms of watering using treated drinking water are prohibited.
	<u>Pools, spas, garden ponds</u>	Refilling is prohibited.
	Private outdoor impermeable surfaces (i.e., driveways, sidewalks)	All forms of hosing of outdoor surfaces are prohibited unless ordered by a regulatory authority (i.e., WCB, public health inspector, etc...).
	<u>Private pressure washing</u>	All forms of hosing of outdoor surfaces are prohibited unless ordered by a regulatory authority for health and safety reasons (i.e., WCB, public health inspector, etc...).
	<u>Outdoor car washing, boat washing</u>	No outdoor washing or rinsing of vehicles and pleasure crafts, except for safety (windows, lights and licenses only).
NON-RESIDENTIAL	Lawn sprinkling (including cemeteries)	All forms of watering using treated drinking water are prohibited.
	New (unestablished) lawns.	No new permits issued or renewed. All forms of watering using treated drinking water are prohibited.
	Flowers, vegetables, decorative planters, shrubs & trees	All forms of watering using treated drinking water are prohibited.
	Flower and vegetable gardens	All forms of watering using treated drinking water are prohibited.
	<u>Pools, spas, garden ponds</u>	Refilling is prohibited.
	<u>Fountains and water features</u>	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 for health and safety reasons (i.e., WCB, public health inspector, etc...).
	<u>Pressure washing</u>	All forms of hosing of outdoor surfaces are prohibited unless ordered by a regulatory authority for health and safety reasons (i.e., WCB, public health inspector, etc...).
	<u>Outdoor car washing, boat washing</u>	No outdoor washing or rinsing of vehicles and pleasure crafts, except for safety (windows, lights and licenses only).
	<u>Indoor commercial carwashes</u>	All shut down
	<u>Golf courses</u>	All forms of watering using treated drinking water are prohibited.
	<u>Turf farms</u>	All forms of watering using treated drinking water are prohibited.
	Artificial turf and outdoor tracks (i.e., bicycle, motorcycle & running tracks)	All forms of watering using treated drinking water are prohibited.
PUBLIC	<u>School yards, sports and sand-based playing fields</u>	All forms of watering using treated drinking water are prohibited.
	<u>Water play parks and pools</u>	All water parks shut down. Municipal outdoor pools closed. Winterization deferred until Stage 4 is lifted by GVWD.
	<u>Fountains and water features</u>	All shut down
	Municipal parks	All forms of watering using treated drinking water are prohibited.
	Municipal ornamental lawns, grassed boulevards.	All forms of watering using treated drinking water are prohibited.
	Municipal hydrant flushing	Only for unscheduled safety or public health reason. Routine flushing to be scheduled outside WSRP timeframe.

For information regarding enforcement of the WSRP, please contact your municipality.

For general WSRP information, please contact the METRO VANCOUVER Information Centre at 604-432-6200.