

City of Columbia City WPCF

PHOSPHOROUS REDUCING INFORMATION

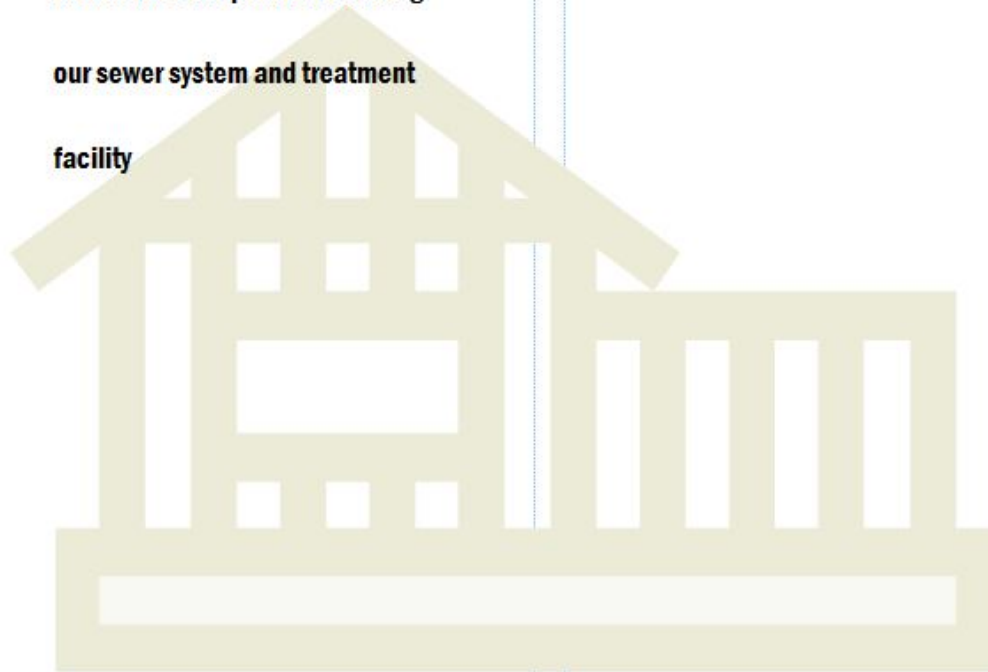
*WPCF Mission Statement:
God created clean water, we
keep it that way! By providing
the best possible water treatment
through innovative practices and
techniques, to ensure the health
of our citizens and returning
the water back to the
environment for reuse.*



260-248-5119

*Thanks For Your
Support*

**By following these few simple
BMP's it can greatly reduce the
amount of Phosphorous entering
our sewer system and treatment
facility**

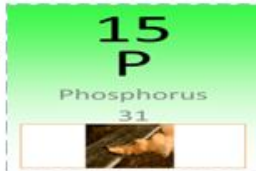


What Is Phosphorous

A solid, nonmetallic element existing in at least three allotropic forms, one that is yellow, poisonous, flammable, and luminous in the dark, one that is red, less poisonous, and less flammable, and another that is black, insoluble in most solvents, and the least flammable.

The element is used in forming smoke screens, its compounds are used in

matches and phosphate fertilizers, and it is a necessary constituent of plant and animal life in bones, nerves, and embryos. Symbol: P; atomic weight: 30.974; atomic number: 15; specific gravity: (yellow) 1.82 at 20°C, (red) 2.20 at 20°C, (black) 2.25–2.69 at 20°C.



PHOSPHOROUS BMP'S

Use slow-release forms of fertilizer to minimize run-off losses

Use a fertilizer spreader set by the recommendation on the fertilizer bag

Never apply fertilizer to sidewalks and driveways, sweep up and return to lawn

Overwatering is wasteful and provides a means of transport of nutrients to the environment

Redirect downspouts from paved areas to vegetated areas

Only water lawns on an as needed basis, rather than an calendar schedule

Pay attention to weather patterns and reset automatic sprinklers after rain or during cooler periods

Soil management techniques improve filtration and water holding capacity, improve soil with a

good organic soil amendment



Groundcover or mulch on bare soil areas to prevent runoff, this will help to conserve moisture, protect roots, reduce weeds and loss of

soil and nutrients

Core aerate lawn to improve rooting and water penetration

Maintain natural buffer areas where no fertilizer is applied

Plant selection and lawn maintenance decisions can reduce the need for fertilizer and water

Mow grass up to 3 inches high and leave clippings to recycle nutrients and reduce fertilizer needs

Purchase phosphate free cleaning products and detergents



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