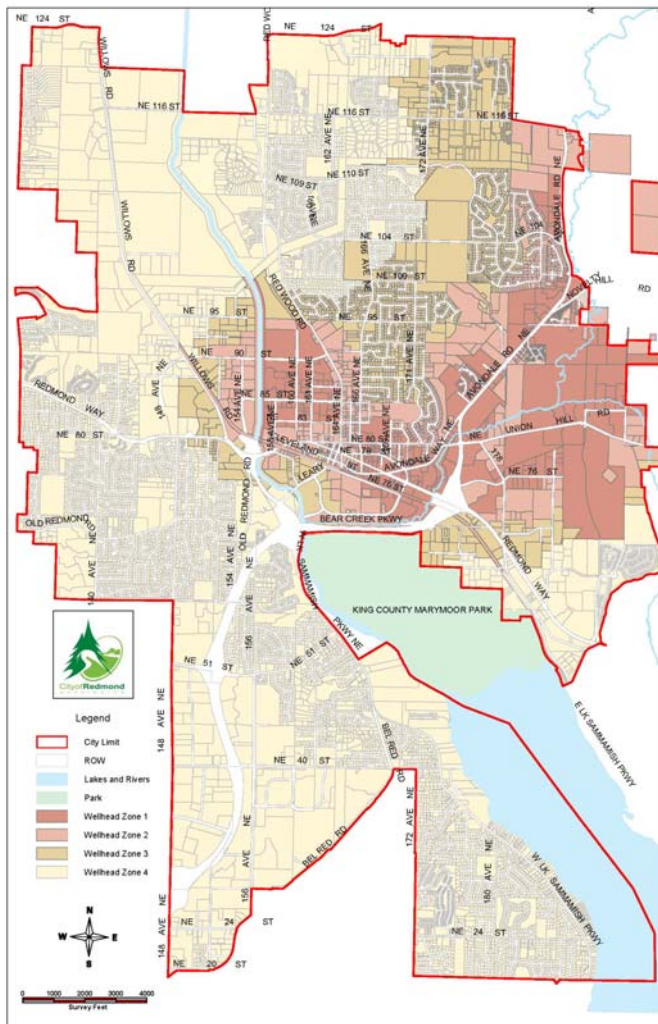




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P.O. Box 97010  
Redmond, WA. 98073  
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Email: [groundwater@redmond.gov](mailto:groundwater@redmond.gov)  
Website: <http://www.redmond.gov/groundwater>

## What You Need to Know about the Wellhead Protection Program

Redmond residents and businesses east of the Sammamish River get their drinking water from wells operated by the City. The wells are susceptible to contamination because they draw groundwater up from a shallow aquifer located directly beneath the City. The City enacted the Wellhead Protection Ordinance to protect our drinking water resource. If you live or conduct business in **Wellhead Protection Zones 1, 2 or 3** then the following Ordinance requirements may affect you.



### New Development, Construction, and Tenant Improvements: Are you planning to build, improve, move or change your facility use?

If you are contemplating a move, construction or change to a current use, please consider that new development, redevelopment and some existing activities will have to meet new standards for:

- Secondary containment of hazardous materials
- Vehicle fueling and maintenance areas
- Containment in loading and unloading areas
- Stormwater infiltration systems, and
- Protection standards during construction

You will likely need to prepare a Critical Areas Report to determine the potential for your project to impact critical resources.

Certain new activities may be prohibited in Wellhead Protection Zones 1 & 2, such as:

- Dry cleaning with perchlorethylene,
- Chemical and pharmaceutical manufacturing, and
- Mobile fleet fueling

These are just a few of the standards and restrictions that must be considered; please see the Ordinance for a complete list of Performance Standards RMC 13.07.100 and RCDG 20D.140.50-040 and Prohibited Activities RCDG 20D.140.50-030. Go to [www.redmond.gov/groundwater](http://www.redmond.gov/groundwater) and click on Ordinance in the right column.

### Secondary Containment: Do you have hazardous or deleterious materials at your facility?

Secondary containment helps to prevent contaminants from impacting the soil and groundwater. You may be required to use secondary containment for hazardous materials in aggregate quantities equal to or greater than 20 gallons liquid or 200 pounds solid. Facilities located within Wellhead Protection Zones 1 and 2 will be required to provide secondary containment or equivalent Best Management Practices by October 2008. To learn more about these requirements see RCDG 20D.140.50-040 [www.redmond.gov/groundwater](http://www.redmond.gov/groundwater) click on Ordinance in the right column.

## **Stormwater Infiltration: Do you have a stormwater system that infiltrates into the ground?**

**New stormwater systems** will need to meet the requirements of the City's Stormwater Technical Notebook (<http://www.redmond.gov/insidecityhall/publicworks/utilities/stormwater.asp>).

**Existing facilities** within Wellhead Protection Zones 1 & 2 that infiltrate their stormwater may pose a risk to groundwater. The Ordinance requires existing stormwater infiltration systems to be inspected and certified by a State registered engineer. Systems that do not meet current standards must be upgraded to current Department of Ecology 2001 Western Washington Stormwater Manual standards (<http://www.ecy.wa.gov/pubs/9911.pdf>) by October 2008. Existing and new underground injection wells (drywells, french drains or perforated pipe systems, that place stormwater into the ground) must be registered with the State. To learn more about stormwater infiltration requirements see RMC 13.07.100 and RCDG 20D.140.50-040 at [www.redmond.gov/groundwater](http://www.redmond.gov/groundwater) click on Ordinance on the right column.

## **Fill Material: Will your project require placement of over 10 cubic yards of fill material?**

The City requires that fill material placed in Wellhead Protection Zones 1 & 2 meet State Soil Cleanup Standards. Businesses must submit laboratory analysis or proof of the clean source to Public Works prior to placement of over 10 cubic yards of fill. To learn more about these requirements see RMC 15.24.095 at [www.redmond.gov/groundwater](http://www.redmond.gov/groundwater) click on Ordinance in the right column.

## **Well and Boring Drilling Activities: Are you conducting geotechnical or environmental work that requires drilling? Will you be installing a well or cathodic protection system?**

Boring and well completion logs must be submitted to the Wellhead Protection Program within 60 days of well completion or decommissioning. The City has specific requirements for all of these related activities; for more information see RMC 15.24.095 at [www.redmond.gov/groundwater](http://www.redmond.gov/groundwater) click on Ordinance in the right column.

## **Reporting Hazardous Material Spills and Releases: Have you had an accident that caused a spill or release of hazardous materials?**

You are required to promptly clean it up, provide notification to the City's Wellhead Protection Program at (425) 556-2825 and call the State and/or Federal spill hotlines at 1-800-258-5990 (Washington Emergency Management Division) or 1-800-424-8802 (National Response).

## **Reporting Site Closure and Remedial Activities: Are you monitoring or cleaning up a site?**

Please provide the City with periodic reports so that we may keep apprised of our groundwater quality. We also have groundwater data that may be helpful to you in your project. Once your site has been cleaned-up and you seek closure from the Washington Dept. of Ecology or US EPA, you will be required to provide a copy of the same notification of site closure to the Wellhead Protection Program.

## **Elevators and Hydraulic Lifts: Does your facility have elevators or hydraulic lifts?**

Hydraulic tubing, piping, tanks, cylinders and the fluids within them extend beneath the lift 10 to 50 feet below the ground. If there is a leak in one of these components it could inject hazardous fluids directly into the groundwater. Facilities located in Wellhead Protection Zones 1 & 2 need to inspect their elevators and hydraulic lift cylinders for leakage and fluid loss and report the results to the City. Installation/reinstallation of new elevators and hydraulic lift cylinders must meet new construction standards. See RMC 15.24.095 [www.redmond.gov/groundwater](http://www.redmond.gov/groundwater) click on Ordinance in the right column.

## **Best Management Practices (BMPs)**

New and redeveloping facilities in Wellhead Protection Zones 1 & 2 will be required to implement BMPs to prevent pollution and protect water quality and quantity. Beginning in October 2008, existing facilities will also have to meet these same requirements. Information regarding BMPs can be found in the Dept of Ecology 2005 Western Washington Stormwater Manual <http://www.ecy.wa.gov/pubs/0510029.pdf>.

Full text of the Wellhead Protection Ordinance can be found at [www.redmond.gov/groundwater](http://www.redmond.gov/groundwater) click on Ordinance in the right column or in the Redmond Municipal Code and Redmond Community Development Guide on-line at <http://www.codepublishing.com/WA/redmond.html>

*Please contact us with questions or for technical assistance at (425) 556-2756 or [groundwater@redmond.gov](mailto:groundwater@redmond.gov).*