

Intent and Authority	
Source of authority	Notes
Americans with Disabilities Act (ADA)	Reference website on ADA and text of current statute
Caring for Our Children , 3rd Edition (CFOC3)	Link to CFOC3 homepage
CFOC Basics	Link to a PDF created by the US Administration of Children and Families (part of the US department of health and human services) CFOC Basics Health and Safety Foundations for Early Care and Education
CFOC3 National Health and Safety Performance Standards	Link to CFOC3 PDF
Chapter 42.52 RCW (Ethics in Public Service)	Full text of chapter
Child Care and Development Block Grant Act of 2014	Full text of bill
Early Start Act (chapter 7, Laws of 2015)	Click on "Session Law" underneath "Available Documents" to be directed to the text of the Early Start Act
Individuals with Disabilities Education Act (IDEA)	Reference website on IDEA and text of current statute
RCW 43.215.250 (License Required)	Full text of section
Washington Law Against Discrimination (WLAD)	Chapter 49.60 RCW full text of chapter
Child Outcomes	
Source of authority	Notes
Caring for Our Children , 3rd Edition (CFOC3)	Link to CFOC3 homepage
CFOC Basics	Link to a PDF created by the US Administration of Children and Families (part of the US department of health and human services) CFOC Basics Health and Safety Foundations for Early Care and Education
CFOC3 National Health and Safety Performance Standards	Link to CFOC3 PDF
Child Care and Development Block Grant Act of 2014	Full text of bill
Early Start Act (chapter 7, Laws of 2015)	Click on "Session Law" underneath "Available Documents" to be directed to the text of the Early Start Act
https://thrivewa.org/standards/	2016 report: Cultural humility and racial equity-Thrive Report
Washington Kindergarten Inventory of Developing Skills (WaKIDS)	Link to OSPI WaKIDS resource
Washington State Early Learning and Development Guidelines Birth through 3rd Grade (2012)	Link to OSPI resource webpage and PDF of guidelines
Family Engagement and Partnerships	
Source of authority	Notes
Caring for Our Children , 3rd Edition (CFOC3)	Link to CFOC3 homepage
CFOC Basics	Link to a PDF created by the US Administration of Children and Families (part of the US department of health and human services) CFOC Basics Health and Safety Foundations for Early Care and Education
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https://thrivewa.org/standards/	2016 report: Cultural humility and racial equity-Thrive Report
Washington Kindergarten Inventory of Developing Skills (WaKIDS)	Link to OSPI WaKIDS resource
Washington State Early Learning and Development Guidelines Birth through 3rd Grade (2012)	Link to OSPI resource webpage and PDF of guidelines
Professional Development, Training and Requirements	
Source of authority	Notes
Caring for Our Children , 3rd Edition (CFOC3)	Link to CFOC3 homepage
Child Care and Development Block Grant Act of 2014	Full text of bill

Early Start Act (chapter 7, Laws of 2015)	Click on "Session Law" underneath "Available Documents" to be directed to the text of the Early Start Act
https://thrivewa.org/standards/	2016 report: Cultural humility and racial equity-Thrive Report
National Academies of Sciences, Engineering, and Medicine (NASEM) report, Transforming the Workforce for Children Birth Through Age 8	The National Academies of Sciences, Engineering, and Medicine resource webpage, summary of report, and links to full text of report
Environment	
Source of authority	Notes
Academy of Breastfeeding Medicine (ABM)	Link to ABM's clinical protocols. <i>Clinical protocol #8: Human Milk Storage Information for Home Use for Full-Term Infants (2010) can be accessed from this webpage</i>
American Academy of Pediatrics (AAP) AAP Introduction of Solid Foods and Allergic Reactions (2009)	Link to agency homepage Link to AAP article concerning introducing solid food
American Dental Association	Link is to the agency homepage, but there are articles address baby bottle tooth decay and health dental habits for children
American Heart Association	Link to agency homepage
American Society for Testing and Materials (ASTM)	Link is to ASTM homepage
ASTM F1292-17	Link to F1292-17 Standard Specification for Impact Attenuation of Surfacing Materials Within the Use Zone of Playground Equipment (ASTM requires purchase)
ASTM F2223-10	Link to F2223-10 Standard Guide for ASTM Standards on Playground Surfacing (ASTM requires purchase)
Americans with Disabilities Act (ADA)	Reference website on ADA and text of current statute
Building Code (WA)	Link to chapter 19.27 RCW State Building Code
Caring for Our Children , 3rd Edition (CFOC3)	Link to CFOC3 homepage
CFOC Basics	Link to a PDF created by the US Administration of Children and Families (part of the US department of health and human services) CFOC Basics Health and Safety Foundations for Early Care and Education
CFOC3 National Health and Safety Performance Standards	Link to CFOC3 PDF
Center for Disease Control and Prevention (CDC)	Link to agency homepage
Child and Adult Care Food Program (CACFP) guidelines	Link to USDA's CACFP homepage
Child Care and Development Block Grant Act of 2014	Full text of bill
Consumer Product Safety Commission(CPSC) guidelines	Link to agency homepage
DEL creation and authorization by state legislature	Link to RCW 43.214.020 Department created--Primary duties
Department of Agriculture (US)	Link is to the agency homepage, but there are articles addressing how to reduce the impact of lead exposure in nutrition programs, and guidelines for school gardens
Department of Health (WA)	Link is to the agency homepage, but there are articles that address soil contamination including arsenic, CCA, lead and more.
DOH chapter 246-272A WAC	Link to chapter regarding on-site sewage systems
DOH chapter 246-273 WAC	Link to chapter regarding on-site sewage system additives
Early Start Act (chapter 7, Laws of 2015)	Click on "Session Law" underneath "Available Documents" to be directed to the text of the Early Start Act
Environmental Protection Agency (EPA) (US)	Link to agency homepage
EPA Green Cleaning Toolkit for Early Care and Education	Link to EPA page with tipsheets on green cleaning for early care and education
https://thrivewa.org/standards/	2016 report: Cultural humility and racial equity-Thrive Report
Food and Beverage Workers' Manual, May 2013 (DOH 332-036) (WA)	Link is to agency webpage where the manual can be downloaded in several languages

Food and Drug Administration (FDA) (US)	Link to agency homepage
Governor Inslee's lead directive May 2, 2016 (16-06)	Link will download full text of directive in PDF
La Leche League International (LLL)	Link to LLI's guidelines for storing pumped milk
National Weather Service (US)	Link to agency homepage
Retail Food Code (WA)	Link to chapter 246-215 WAC Food Service
Washington State Early Learning and Development Guidelines Birth through 3rd Grade (2012)	Link to OSPI resource webpage and PDF of guidelines
Uniform Plumbing Code (WA)	Link to chapter 51-56 WAC State Building Code Adoption and Amendment of the 2015 Uniform Plumbing Code
Program Administration and Oversight	
Source of authority	Notes

Information about septic systems:

1. Septic systems are designed for the number of bedrooms in a home, with 2 people per bedroom, and the of absorption of the soil. The minimum a system is designed for is 3 bedrooms. with a design of 120 gallon/bdrm for the first 3 and 250 for each additional bedroom.
Size: [WAC 246-272-0232](#)
Location: [WAC 246-272A-0210](#)
Soil: [WAC 246-272A-0220](#)
Permitting: [WAC 246-272A-0200](#)
Design requirements (operating capacity, soil type, etc.): [WAC 246-272A-0230](#)
2. The Health Dept. can put a cap on the number of people using that system. If the cap is exceeded, there can be system failure.
Owner Requirements: [WAC 246-272A-0270](#)
Enforcement: [WAC 246-272A-0430](#)
3. There can't be any type of anchored structure or anything that can sink into the drainfield. The drainfield needs air to function, so there can't be any additional things that will take that air away, such as additional soil, groundcover, etc. Gardens cannot be sited in the drainfield area. However, if the space is just grass, children can play on it ie: run around etc.
Permit: [WAC 246-272A-0200](#)
Location: [WAC 246-272A-0201](#)

From: [Bunkelman, Judy \(DEL\)](#)
To: [Anderson, Lori \(DEL\)](#)
Cc: [Groff, Debbie \(DEL\)](#); [Hansen, Travis \(DEL\)](#); [Lewis, Yvonne \(DEL\)](#); [Brogan, Lecion \(DEL\)](#); [Martinez, Brenda \(DEL\)](#); [Freimuth, Eva \(DEL\)](#); [Mendez, Jessica \(DEL\)](#); [Christensen, Karen \(DEL\)](#); [Latimer, Candace \(DEL\)](#)
Subject: FW: assistance please
Date: Wednesday, July 26, 2017 10:39:50 AM

And some additional information on septic systems that might be helpful

From: Micha Horn [mailto:mhorn@snohd.org]
Sent: Wednesday, July 26, 2017 9:55 AM
To: Bunkelman, Judy (DEL) <Judy.Bunkelman@del.wa.gov>
Subject: RE: assistance please

Hi Judy,

I'm happy to help. Septic systems are designed by Licensed Septic System designers who are licensed by the Washington State Department of Licensing. The system is designed to accommodate a particular amount and type/strength of wastewater based on the size and/or purpose of the building and the type of soil on the property. A residential property is generally designed based on an assumption of two persons per bedroom (so a septic system for a 3-bedroom home would be designed to handle the wastewater for 6 people living in the home full time). For a child care center, the system would be designed based on the proposed occupancy (staff and children) of the facility.

The local health departments are not responsible for designing septic systems. They will review a plan submitted by a licensed designer and approve it, and then will conduct an inspection to assure that the installation matches the design. The job of determining the number of people a septic system can handle is the responsibility of a septic system designer. They can review the design of the system, age of the system, current condition of the drainfield, and proposal for the child care, and from that may be able to determine a specific number of additional occupants that the system could handle. In some cases, the system may need to be expanded to accommodate a child care. The designer would then submit a proposal to the local health department for approval before any changes are made to the system.

It is acceptable for children to play on a standard drainfield that is in good condition. If a septic system inspection shows no concerns with the drainfield, children running and playing over the top would be okay. Children shouldn't be allowed to play/jump on the septic tank risers or inspection ports. The soil above the drainfield should not be disturbed so sandboxes, play structures, landscaping cloth, etc should not be installed.

Items 4 and 5 of the proposed WAC 170-300-0250 may need additional clarification. See comments in red below.

170-300-0250

Private septic systems.

(1) If an early learning program is served by a private septic system, the septic system must be designed, constructed, and maintained in accordance with state and local health jurisdiction requirements. For purposes of this section, a

septic system is a "private septic system" if the septic system is not connected to a public sewer system maintained by a government agency. A "private septic system" includes, but is not limited to, the septic system's drain field and tanks. *Weight #6*

(2) A private septic system must be:

(a) Inspected by a septic system inspector certified by the local health jurisdiction; and

(b) Pumped at least once every three years or more often as required by the state or a local health jurisdiction. *Weight #5*

(3) The most recent private septic system pumping and inspection records must be kept on the premises and made available to the department upon request.

Weight #4

(4) An early learning program must have inspection documentation from the state, local health jurisdiction, or a private company. This documentation must state that the private septic system and drain field can accommodate the number of occupants, including children and adults, currently using or planned to use the private septic system. *Weight #5*

Inspection documentation would refer to pumper and operation/maintenance reports on the functioning of a current system, not the design of the system. These inspection reports are what are required in item (3) above. The early learning program must have documentation from a designer or professional engineer licensed by the Washington State Department of Licensing that states that the septic system and drainfield can accommodate the number of occupants, including children and adults, currently using or planned to use the private septic system.

(5) If an early learning provider does not have the documentation described in subsection (4) of this section, the provider must obtain from the state, local health jurisdiction, or a department approved private company such documentation within three months of the date this section becomes effective.

Weight #4

The majority of family home child cares operating in homes served by on-site septic systems will not have this documentation. Unless the septic system for the home was initially designed to operate a child care, the state or local health jurisdiction will not have this documentation. Instead of saying "department approved private company" (which implies that DEL will provide a list of designers) it may be better to state that "If an early learning provider does not have the documentation...the provider must obtain from a state-licensed on-site designer such documentation within XX months..." Because this is potentially a lot of work for the licensed designers and an additional cost for child care providers, a longer time frame to achieve compliance may be necessary.

(6) Playgrounds (playground structures?) must not:

(a) Interfere with access to or the operation of a private septic system, including a private septic system's drain field and tanks; and

(b) Be located or placed on the private septic system's drain field or tanks.

Weight #6

(7) An early learning provider must provide notice to the department and local health jurisdiction if there is a problem, concern, or malfunction with a private septic system. *Weight #6*

(8) If a private septic system malfunctions or a problem arises that interferes with the proper operation of the system, the state, local health jurisdiction, or

department may require an early learning program to close until the system is repaired and operates according to the manufacturer's standards. *Weight #6*

Hope that helps. Please let me know if you have any additional questions.

--- Micha Horn

Michaela Horn | Environmental Health Specialist | Child Care Health Outreach Program
3020 Rucker Avenue, Ste 208 | Everett, WA 98201 | 425.339.8712 | mhorn@snohd.org



Public Health: Always working for a safer & healthier Snohomish County

NOTICE: All emails and attachments sent to and from the Snohomish Health District are public records and may be subject to disclosure pursuant to the Public Records Act (RCW 42.56).

From: Bunkelman, Judy (DEL) [<mailto:Judy.Bunkelman@del.wa.gov>]

Sent: Monday, July 24, 2017 10:23 AM

To: Micha Horn

Subject: assistance please

Good Morning Micha,

I was given your name by Adrienne Dorf as a person who may be able to assist me. The Department of Early Learning is currently negotiating the new aligned WAC rules for child care facilities. In the course of our negotiation, some questions have come up that perhaps you can give some guidance on. Adrienne thought you may be able to provide some quick response.

1. When a septic system is designed and installed, how is the occupant load determined?
2. For the purpose of child care, does local health have the responsibility or ability to determine how many people can be in the home regularly based upon the size of the septic system?
3. Can children play on the drainfield – we know there can be no structures but if it is covered with grass, can they run and play on it?

Thank you for considering my request for information. We don't need anything too complicated, we just need to understand in general if the proposed rules will conform to health rules.

Judy Bunkelman

Licensing Monitor & Risk Management Coordinator

Department of Early Learning

33 S 2nd Ave

Yakima, WA 98902

Judy.bunkelman@del.wa.gov

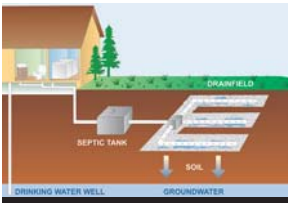
(509) 423-9152

www.del.wa.gov

Kids' Potential, Our Purpose

Information about septic systems:

1. Septic systems are designed for the number of bedrooms in a home, with 2 people per bedroom, and the of absorption of the soil. The minimum a system is designed for is 3 bedrooms. with a design of 120 gallon/bdrm for the first 3 and 250 for each additional bedroom.
Size: [WAC 246-272-0232](#)
Location: [WAC 246-272A-0210](#)
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Design requirements (operating capacity, soil type, etc.): [WAC 246-272A-0230](#)
2. The Health Dept. can put a cap on the number of people using that system. If the cap is exceeded, there can be system failure.
Owner Requirements: [WAC 246-272A-0270](#)
Enforcement: [WAC 246-272A-0430](#)
3. There can't be any type of anchored structure or anything that can sink into the drainfield. The drainfield needs air to function, so there can't be any additional things that will take that air away, such as additional soil, groundcover, etc. Gardens cannot be sited in the drainfield area. However, if the space is just grass, children can play on it ie: run around etc.
Permit: [WAC 246-272A-0200](#)
Location: [WAC 246-272A-0201](#)



Septic System FAQs

General Questions

How long do septic systems last?

Septic systems are designed to provide long-term, effective treatment of household waste when operated and maintained properly. However, most systems that fail prematurely are due to improper maintenance. Less serious problems are usually with plumbing (such as pipe blockages from tree roots growing into the pipe). Sometimes, the septic tank, although durable, can deteriorate or have other structural problems. The most serious problems are the result of a clogged drainfield. Unfortunately, this is the most expensive to repair. Once the absorption field is clogged, it must be replaced and can cost thousands of dollars.

What is the replacement or reserve area?

This is an area that may be used for replacing or expanding the drainfield. It must meet the same criteria, such as acceptable soils, setbacks, etc., as a regular drainfield and should be protected in the same way.

Learning about my property's septic system

How do I locate my septic system? How can I learn more about my property's septic system?

Obtain a copy of your property's septic system record drawing (usually referred to as an "as-built"), a diagram showing where your system components are located. You can obtain your property's as-built from your local health department or health district—some allow you to search for your as-built online.

<http://www.pugetsoundstartshere.org/in-your-local-area/local-resources/>

How do I know my septic system is in good working order?

A septic system evaluation can be performed by a septic system professional. Some health departments and districts can perform this service, usually for a fee. Contact your local health department or district for more information.

<http://www.pugetsoundstartshere.org/in-your-local-area/local-resources/>

Questions about septic system failure

What happens when a septic system fails? How can I tell?

Usually when a septic system fails, the drainfield is not functioning properly. When a septic tank overflows, the effluent can pass to the drainfield, clogging up the pipes. This causes sinks and toilets to back up in the house. Other signs include: slow draining toilets and drains, an odor of sewage, wet area on or near the drainfield, or contaminated well water.

How can I prevent a septic failure?

Maintenance, maintenance, maintenance! If your system has been properly designed, sited, and installed, the rest is up to you. Inspect your system annually and pump as needed (usually every 3-5 years), avoid excess water use, and watch what you put down the drain and flush down the toilet. For additional information, visit the "System Maintenance" page.

<http://www.pugetsoundstartshere.org/septic/system-maintenance.php>

Can my septic system contaminate my well and nearby streams and water bodies?

Yes, particularly if the effluent is not adequately treated, as in a failing system. Untreated effluent is a health hazard and can cause many human diseases. Once this untreated effluent enters the groundwater, you and your neighbor's wells can be contaminated. Also, if this sewage reaches nearby streams or water bodies, shellfish beds and recreational swimming areas may also be jeopardized.

Is there financial help available for failing systems or repairs?

Some health departments and districts in the Puget Sound region have low-interest loan and grant programs to help residents who live in shellfish protection areas or need financial assistance to maintain existing systems and repair failing septic systems. Visit the "In Your Local Area" page to access your local health department or district Web site for more information.

<http://www.pugetsoundstartshere.org/in-your-local-area/local-resources>

Everyday household use questions

Why is water conservation important?

Septic tanks are mainly settling chambers. They allow time for solids and scum to separate out from wastewater, so clear liquid can safely go to the drainfield. Over time, the scum and sludge layers get thicker, leaving less space and time for the waste-water to settle before passing to the drainfield.

There are limits to the amount of water septic systems can treat. For every gallon entering the tank, one gallon is pushed out. In some instances, too much water may back up into your house or overload the drainfield and surface in the yard. Large volumes of water in short periods of time may also not allow solids enough time to settle, and may be carried out to the drainfield, ultimately clogging the pipes.

I've heard I shouldn't use a garbage disposal. Why is that?

Garbage disposals have a dramatic impact on how often you'll need to pump your septic tank. Food particles usually are not digested by the bacteria and accumulate as scum. If a large amount of water enters the tank, it can then push the food particles into the drainfield, causing clogging. If you must use a garbage disposal, your tank will need to be pumped more frequently.

Should I be careful of what I pour down the drain?

Yes, many materials that are poured down the drain do not decompose and remain in the tank. In addition to minimal use of a garbage disposal (see question above), don't pour grease, fats, and oils down the drain or place coffee grounds and egg shells in the disposal or down the drain. Keep chemicals out of your system. See the "System Maintenance" page.

<http://www.pugetsoundstartshere.org/septic/system-maintenance.php>

What shouldn't I flush down the toilet?

Flush only human waste and toilet paper down the toilet—avoid flushing dental floss, cat litter (including "flushable" varieties), hair, Kleenex, cigarette butts, cotton swabs, feminine hygiene products, condoms, paper towels, static cling sheets, diapers, and disposable wipes. These items could clog your septic system components and cause a failure.

Will additives help my system?

No. Adding a stimulator or an enhancer to a septic tank to help it function or "to restore bacterial balance" is not necessary. The naturally occurring bacteria needed for the septic system to work are already present in human feces. According to the U.S. Department of Health, none of these products eliminate the need for routine maintenance and pumping.

Drainfield questions

What can I plant over my drainfield and septic system?

Grass is the ideal cover for drainfields. Grasses can be ornamental, mowed in a traditional lawn, or in an unmowed meadow. Or, you can try groundcovers and ferns (for specific plants, see the “Drainfield Landscaping” page). For plantings over septic tanks, keep in mind, if you don’t have risers installed, you will need to dig up the ground to access the tanks for inspection and pumping—generally every 3 to 5 years.

<http://www.pugetsoundstartshere.org/septic/drainfield-landscaping.php>

How close can trees and shrubs be to the drainfield?

Trees and shrubs generally have extensive root systems that seek out and grow into wet areas, such as drainfields. As a result, trees and large shrubs should be kept at least 30 feet away from your drainfield, and may require greater setbacks depending on the root structure and soil type. If you wish to plant trees near a drainfield, consult an expert who can determine types of plants and distances, based on your property’s soil type.

Can I plant a vegetable garden over my drainfield?

No. Growing vegetables over a drainfield is not recommended. Vegetables need watering, and excess water in the soil reduces its ability to treat wastewater. The deep roots of some vegetables may damage drainfield pipes. Bed preparation, such as rototilling or deep digging, can also damage pipes. Plus, there is the risk of contaminating food crops with sewage.

What about landscape plastic or fabric under mulch, can that be placed over the drainfield?

No. Plastic reduces the necessary air exchange in the drainfield soil. Even mulch or bark over the drainfield is not recommended, because it reduces air exchange and retains water.

Can I build a carport or camper pad over the drainfield? How about a tennis court or hot tub?

No, for two reasons. First, you should avoid driving over the drainfield— the pressure of vehicles and heavy equipment compact the soil and can damage pipes. Second, impermeable materials such as concrete and asphalt reduce evaporation and the supply of oxygen to the soil. Oxygen is critical to the proper breakdown of sewage by soil microorganisms.

How about putting my carport over the replacement area?

No. The designated drainfield replacement area (reserve area) should be left undeveloped and protected from compaction in case you must repair or replace your drainfield in the future.

Can cattle graze over the drainfield? How about just one horse?

Livestock should be kept off of drainfields. In the winter, livestock trample and muddy the soil; in the summer they compact it. Again, this is not good for the soil’s ability to exchange oxygen. So, sorry, even one horse is not recommended.

Rainwater is directed onto my drainfield, is this a problem?

Yes. Downspouts and stormwater from surfaces such as driveways and patios should be diverted off the septic tank and drainfield. A small trench uphill from a drainfield can help direct water away.

How close to the drainfield can I install a sprinkler system?

Water lines should be at least 10 feet from all components of the septic system. Be sure all sprinkler lines are fitted with approved backflow prevention devices.

...and can I put a retaining wall and drains back there?

If planning to put drains (interceptor, French, curtain) or retaining walls within 30 feet of ANY PART of the septic system, check with your local health department or district. Never cut through drainfields for drains, walls, or irrigation lines. French drains are notorious for carrying pollution from septic systems into water bodies or streets.

Inspection and pumping questions

I've been in my house for 18 years and never pumped my septic tank. Why should I be concerned?

Over time sludge and scum build up in the septic tank and unless it is removed it will flow into the drainfield, clogging the soil pipes. Once a drainfield is clogged, it must be replaced, which is an expensive repair, costing anywhere from \$2,000 to \$10,000 or more. It is also possible that you could have a leak in the tank.

In either case, you risk contaminating ground and surface water resources, which could affect you or your neighbor's wells or nearby streams and other water bodies. And finally, you may eventually have a plumbing backup in your home.

Can you tell if the tank needs pumping without digging it up?

Unless you have risers installed, you will need to dig up the ground above the septic tank to inspect it. Risers give easy access to the septic system without disturbing the soil above the tank. By keeping maintenance records, you can have it pumped on a routine schedule, based on the previous years' rate of solids accumulation.

Who do I call to inspect and/or pump my septic system?

Contact your local health department or health district for a list of certified pumpers in your area—most have lists on their Web sites.

<http://www.pugetsoundstartshere.org/in-your-local-area/local-resources/>

Can I inspect the tank myself?

Yes, you can inspect your septic tank using the "stick test." You can find an online tutorial video produced by Island County Health Department at the "Inspection, Pumping and Repair" section of the Web site.

<http://www.pugetsoundstartshere.org/septic/inspection-pumping-and-repair.php>

How often should I have the tank pumped?

How often you need to pump depends on the size of the tank, the number of people in the household, and the amount and type of solids. A septic tank should be inspected annually to check for needed repairs and pumped as needed, usually every 3 to 5 years. Some alternative systems that are more complex may need pumping more frequently. If you are unsure if your tank needs pumping, have it inspected and get a recommendation for how many years you can go between pumping. Write this schedule down on a maintenance chart or where you keep your maintenance records and stick to it!

How much will it cost to have it pumped?

Pumping can cost from \$250 and up. We recommend contacting at least three pumpers and asking them a series of questions before choosing the best pumper for your needs. Visit the "Hire a Certified Professional" page to find a list of helpful questions to ask.

<http://www.pugetsoundstartshere.org/septic/hire-a-certified-professional.php>

From: [Marie keller](#)
To: [Rules \(DEL\)](#)
Subject: DOH information for NRM environments
Date: Friday, July 28, 2017 8:06:57 PM

Sent from my iPhone

Begin forwarded message:

From: Tracy Middleton <tracystikes@hotmail.com>
Date: July 28, 2017 at 5:58:27 PM PDT
To: "hmariekeller@yahoo.com" <hmariekeller@yahoo.com>
Subject: Fw: Question/Comment from the public

<!--[if mso 9]--> <!--[endif]--> Here is the response for the Washington state department of health.
Tracy

From: Eliasson, John (DOH) <John.Eliasson@DOH.WA.GOV>
Sent: Thursday, July 20, 2017 10:24:55 AM
To: tracystikes@hotmail.com
Subject: RE: Question/Comment from the public

Good morning Tracy,

Your question about septic system safety was forwarded to me to respond.

It is safe for children to play on the grassy area where a septic tank and drainfield is located as long as the system is properly designed, installed, and maintained. Information on caring for your system is available on our website at <http://www.doh.wa.gov/CommunityandEnvironment/WastewaterManagement/SepticSystem/CaringforYourSystem>. If your system was permitted by your local health jurisdiction, they should have the design and installation records as well as possible system inspection records. If you don't have copies of these records, I encourage you to contact their office to obtain them.

If you have any other questions or need additional information about septic systems, please feel free to contact me. Thank you.

Best regards,

John M. Eliasson
Department of Health
Division of Environmental Health
Office of Environmental Health and Safety
Wastewater Management Section
PO Box 47824
Olympia, WA 98504-7824
Phone: 360/236-3041 Fax: 360/236-2257
E-mail: john.eliasson@doh.wa.gov
Public Health - Always Working for a Safer and Healthier Washington

From: Question From the Public [<mailto:doh.webmaster@doh.wa.gov>]
Sent: Wednesday, July 19, 2017 5:22 PM
To: DOH Information <DOH.Information@DOH.WA.GOV>

Subject: Question/Comment from the public

The following question from the public was submitted:

1. Please select one: Other
2. Please enter your comments or questions in the space provided below: <hr/> <p>For rural area homes, is it safe for children to play on the grassy area located directly above an in ground septic tank or drain field as long as there is not visible hazards present?</p>
3. If you are sending feedback on one of our Web pages, please paste the URL here: (no answer)
4. Would you like a response? Tell us how to get in touch with you. Name: <u>Tracy Dawson</u> E-Mail: tracystikes@hotmail.com Telephone: <u>3602498058</u>

From: [Marie keller](#)
To: [Rules \(DEL\)](#)
Subject: Septic drain field info for NRM
Date: Friday, July 28, 2017 8:08:31 PM
Attachments: [Stangland Pump Report Master.LAPTOP-2911C730.doc](#)
[ATT00003.htm](#)
[Tracy Dawson.pdf](#)
[ATT00004.htm](#)

Sent from my iPhone

Begin forwarded message:

From: Tracy Middleton <tracystikes@hotmail.com>
Date: July 28, 2017 at 5:56:24 PM PDT
To: "hmariekeller@yahoo.com" <hmariekeller@yahoo.com>
Subject: Fw: Report and Invoice

Marie,
These are the different inspections that could be done by the septic system company that we use, while others can do something along these lines as well, but this is an overview. One is a copy of my previous receipt that shows the inspection that we're done during a normal septic pumping and the others showed additional inspections that are available.
Tracy

From: Office <office@stanglandseptic.com>
Sent: Friday, July 28, 2017 9:36:13 AM
To: tracystikes@hotmail.com
Subject: Report and Invoice

Tracy,

Thank you for your call. I have attached a copy of the report form that we do for anyone that needs an actual report rather than just a receipt. If the state says that they would want the report rather than just the invoice the price would be \$160 for the inspection, \$80 for the report and then any dig fees for tanks that are not exposed. The report would come with the filled out and signed form, a copy of the as built if the county has one on file, pictures and the invoice.

If they are good with just the invoice, then all of our invoices would be like your last one that is also attached. The cost would be \$160 for the inspection and any dig fees for tanks that are not exposed.

Please note though, I don't know how other pumpers do their receipts or reports

except for Pacific Sewage that is a sister company of ours.

If you have any questions, please feel free to call our office.

Carolyn Evans
Office Manager
Stangland Septic Service
Phone: 360-533-2292

Stangland's Septic Service

Stangland Const. Inc.
5510 Olympic Highway
Aberdeen, WA 98520
Phone (360) 533-2292
Fax (360) 532-1561

Pump Report

Date: 7-26-17 County: Grays Harbor

Property Owner: Trevor Wheeler Pump site address: 25 Clemons Road, Montesano WA 98563

Physical Characteristics of Tank

Tank Size in Gallons: 1000

Tank Construction: Manufactured Homemade

Tank Material: Concrete Plastic Metal
 Wood Other:

Number of Compartments: Double Single

Condition of Septic Tank

Effluent Level Before Pumping: High Normal Low

Was primary septic tank pumped and inspected? Yes No

Condition of inlet baffle: Good Needs Repair
 Plastic Concrete Other:

Condition of outlet baffle: Good Needs Repair
 Plastic Concrete Other:

Condition of Center baffle: Good Needs Repair
 Plastic Concrete N/A
 Other:

Effluent Filter: Cleaned No effluent filter

System has a Pump Chamber Tank: Yes No

Pump chamber tank Pumped: Yes Not Necessary at this time.

Pump Working: Yes No

Pump chamber tank found in good physical condition? Yes No

Drain Field Conditions: Drainfield appears to be working properly at time of pumping
 Backflow into tank Evidence of seepage into yard
 Other

Repair Notes or Explanations:

Pumper's Signature: _____ **Date:** 7-27-17

*** Septic system is not guaranteed beyond date of inspection. No claim is made by this company, either expressed or implied, concerning success or failure of the septic system. This report does not meet the Pacific County O&M requirements. ***

5510 Olympic Highway
Aberdeen WA 98520

STANGLAND SEPTIC SERVICE

Phone: 360-533-2292
Fax: 360-532-1561

BILL TO:

Tracy Dawson
920 Holm Avenue
Montesano WA 98563

PAID
06/04/2015

INVOICE

INVOICE #: 83055
DATE: 6/4/2015

Date	Quantity	Description	Amount
6/4/2015	1,000	Pumped 1000 gallon single compartment septic tank with good plastic tee inlet/outlet. Drainfield appears to be working properly at time of pumping.	305.00
We accept Check, Cash, Visa, Mastercard, Discover & American Express.			
LOCATION ADDRESS: 920 Holm Avenue Montesano, WA 98563		Subtotal	\$305.00
		Sales Tax (8.5%)	\$25.93
		Payments/Credits	-\$330.93
		Balance Due	\$0.00
County / Tax Code	Grays Harbor - 1400	TERMS:	Due on receipt

THANK YOU FOR YOUR BUSINESS!

Please visit our website at: www.stanglandseptic.com

Environmental Laboratories Accredited by Washington State Dept of Ecology

Sorted by Lab Name

* The laboratories listed below are accredited by the Washington State Department of Ecology as of the date at the bottom of the page.

* More information regarding the accreditation program and the labs is available at <http://ecy.wa.gov/programs/eap/labs/search.html>

* An "X" in the DW column at the right indicates the lab is accredited for drinking water tests.

* Call the Lab Accreditation Unit at (360) 871-8840 or (360) 871-8844 for additional information regarding the Environmental Laboratory Accreditation Program.

<u>Laboratory</u>	<u>Street Address</u>	<u>City</u>	<u>State/ Province</u>	<u>Zip</u>	<u>Contact</u>	<u>Telephone</u>	<u>DW</u>
AAA Laboratory	404 1st Street	Cheney	WA	99004	Casie Monge	(509) 235-9390	X
Aberdeen Wastewater Treatment Plant Laboratory	1205 W. State St.	Aberdeen	WA	98520-5861	Bill Christy	(360) 537-3285	
Accu Laboratory, LLC	14204 NE 21st St	Bellevue	WA	98007	Lisa Zhang	(425) 214-5858	X
Accurate Testing Labs L.L.C.	7950 Meadowlark Way	Coeur d'Alene	ID	83815	Walter Mueller	(208) 762-8378	X
ACZ Laboratories, Inc.	2773 Downhill Drive	Steamboat Spring	CO	80487	Matt Sowards	(970) 879-6590	X
Advanced Analytical Laboratory	4078 148th Ave NE	Redmond	WA	98052-5514	Val Ivanov	(425) 497-0110	
Ag Health Laboratories, Inc.	445 Barnard Boulevard	Sunnyside	WA	98944	Crystal Maiden	(509) 836-2020	X
AgSource Laboratories	323 6th St	Umatilla	OR	97882	Craig Simson	(541) 922-4894	X
Airway Heights WRF Lab	12405 W 21st Ave	Airway Heights	WA	99001	Chuck Clawson	(509) 435-2856	
AkzoNobel, Inc. Laboratory	2701 Road N - NE	Moses Lake	WA	98837	Lind Bingham	(509) 760-7096	
Albion Wastewater Laboratory	310 F. ST	Albion	WA	99102	Kenneth Smith	(509) 332-5095	
Alcoa Intalco Works Laboratory	4050 Mountainview Rd.	Ferndale	WA	98248-0937	Joseph Sarr	(360) 384-7259	X
Alcoa Wenatchee Works Laboratory	6200 Malaga Alcoa Hwy	Malaga	WA	98828	David Hulse	(509) 663-9206	
Alpha Analytical	255 Glendale Ave, Ste 21	Sparks	NV	89431	Jennifer Webster	(775) 355-1044	

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Alpha Analytical - Mansfield	320 Forbes Blvd	Mansfield	MA	02048-1806	Amy Rice	(508) 898-9220	
ALS Environmental - Burlington	1435 Norjohn Court, Unit 1	Burlington	ON	L7L 0E6	Magdalena Kullig	(905) 331-3111	
ALS Environmental - Everett	8620 Holly Drive, Ste 100	Everett	WA	98208	Glen Perry	(425) 356-2600	
ALS Environmental - Fort Collins	225 Commerce Drive	Fort Collins	CO	80524	Robert Di Rienzo	(970) 490-1511	X
ALS Environmental - Kelso	1317 S 13th Ave	Kelso	WA	98626	Carl Degner	(360) 577-7222	X
ALS Environmental - Middletown	34 Dogwood Lane	Middletown	PA	17057	Susan Magness	(717) 944-5541X3135	X
ALS Environmental - Salt Lake City	960 West LeVoy Drive	Salt Lake City	UT	84123	Robert Di Rienzo	(801) 266-7700	
ALS Environmental - Simi Valley	2655 Park Center Drive, Ste A	Simi Valley	CA	93065	Chaney Humphrey	(805) 526-7161	
ALS Environmental - Tucson	3860 S Palo Verde Rd, Suite 302	Tucson	AZ	85714	Ralph Poulsen	(520) 573-1061	
ALS Group USA, Corp	10450 Stanciliff Rd, Suite 115	Houston	TX	77099	Theodore Yen	(713) 266-1599	X
ALS Lab Group, Environmental Division - Cincinnati	4388 Glendale-Milford Rd	Cincinnati	OH	45242	Tracey Earle	(513) 733-5336	X
American Analytical Services	59148 Silver Valley Road	Osburn	ID	83849	Dave Swenson	(208) 752-1034	
AmTest Laboratories	13600 NE 126th Place, Ste C	Kirkland	WA	98034	Kathy Fugiel	(425) 885-1664	X
Anacortes Wastewater Treatment Plant Laboratory	500 T Ave	Anacortes	WA	98221-0547	Harry Whyte	(360) 299-0953	
Anacortes Water Treatment Lab	14489 Riverbend Road	Mount Vernon	WA	98273	Jeff Marrs	(360) 428-1598	X
Analytical Chemistry Inc.	4611 S. 134th Pl., Ste. 200	Tukwila	WA	98168-3240	Mia Sazon	(206) 622-8353	
Analytical Resources, Incorporated	4611 South 134th Place, Ste 100	Tukwila	WA	98168-3240	Dave Mitchell	(206) 695-6205	X
Anatek Labs, Inc. - Moscow	1282 Alturas Drive	Moscow	ID	83843	Gene Solomon	(208) 883-2839	X
Anatek Labs, Inc. - Spokane	East 504 Sprague Avenue, Suite D	Spokane	WA	99226	Gene Solomon	(509) 838-3999	X

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Apex Laboratories, LLC	12232 SW Garden PI	Tigard	OR	97223	Kent Patton	(503) 718-2323	X
Aqua Test, Incorporated	28620 Maple Valley Road SE	Maple Valley	WA	98038	Kory Krick	(425) 432-9360	X
Archer Analytical	2000 Logston Blvd, Bay 133A	Richland	WA	99354	Debbie Burnet	(509) 375-6147	
AREVA NP Inc.	2101 Horn Rapids Road	Richland	WA	99354-5102	Loris Kim	(509) 375-8780	
Arlington Water Reclamation Facility Lab	108 Haller	Arlington	WA	98223	Sanford (Sandy) Boyd	(360) 403-3539	
ARS International, LLC	2609 North River Rd	Port Allen	LA	70767	Jacob Byrd	(225) 381-2991	X
Asotin Wastewater Laboratory	3699 Riverside Dr	Asotin	WA	99402-0517	William Frye	(509) 552-0085	
Atmospheric Analysis & Consulting, Inc	1534 Eastman Ave, Ste A	Ventura	CA	93003	Sucha Parmar	(805) 650-1642	
AV Labs, Inc.	64 North Broadway Ave.	Othello	WA	99344	Vaughn Pegram	(509) 488-2468	X
Avista Corp Generating Station Laboratory	1151 Hwy 395 N.	Kettle Falls	WA	99141-0609	Merlin Scacco	(509) 738-1510	
Avocet Environmental Testing	1500 North State Street, Ste 200	Bellingham	WA	98225	Madell Briggs	(360) 734-9033	X
Axtiall - Longview	3541 Industrial Way	Longview	WA	98632	Adam Hall	(360) 577-7869	
B & P Laboratories, Incorporated	5635 Delridge Way SW	Seattle	WA	98106	Abigail Lee	(206) 937-3644	
Bainbridge Is Dept of Public Works Lab	1220 Donald Place	Bainbridge Island	WA	98110	Stephen Pyke	(206) 780-3592	
Basic Laboratory, Inc.	2218 Railroad Ave.	Redding	CA	96001	Josh Kirkpatrick	(530) 243-7234x204	
Battelle Marine Sciences Laboratory	1529 West Sequim Bay Road	Sequim	WA	98382	Julie Snelling	(360) 681-3631	
Bellingham Water Filtration Plant Lab	3201 Arbor Court	Bellingham	WA	98229	Peg Wendling	(360) 778-7872	X
Bellingham Water Pollution Control Plant Lab (Post Point)	200 McKenzie Ave	Bellingham	WA	99225	Peg Wendling	(360) 778-7872	
Benton City Wastewater Treatment Plant Lab	1000 Dinah Lane	Benton City	WA	99320-0070	Nicholas Oscarson	(509) 588-3322	

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Benton-Franklin Health District Lab	7102 W Okanogan Place	Kennewick	WA	99336	David Miller	(509) 460-4206	X
Bingen Wastewater Laboratory	208 Marina Rd.	Bingen	WA	98605-0607	Thomas Hons	(509) 493-3787	
Birch Bay Water and Sewer District Laboratory	7096 Point Whitehorn Road	Blaine	WA	98230-9616	Fred Reid	(360) 371-2400	
Boeing Everett QA Lab	3003 W Casino Rd, Bldg 40-30.2 22G14	Everett	WA	98204	Heidi Olsen	(425) 679-2861	X
Boston Harbor Wastewater Treatment Plant Lab	7126 Boston Harbor Road	Olympia	WA	98506	Kevin Patching	(360) 867-2288	
BP Quality Administration - NW	4519 Grandview Road	Blaine	WA	98230	Mike Baron	(360) 526-3749	
Bremerton Wastewater Treatment Plant Lab	1600 Oyster Bay Avenue S.	Bremerton	WA	98312	Jackie Horton	(360) 473-5446	
Brewster Wastewater Laboratory	603 West Ansel Ave.	Brewster	WA	98812	Dale Parks	(509) 689-0350	
Bridgeport Wastewater Laboratory	1206 Columbia Ave	Bridgeport	WA	98813-0640	Bruce Plimpton	(509) 686-5653	
Brooks Applied Labs, LLC	18804 North Creek Parkway	Bothell	WA	98011	Frank McFarland	(206) 753-6119	
BSK Associates	1414 Stanislaus St	Fresno	CA	93706	Michael Ng	(559) 497-2888x118	X
Buckley Wastewater Treatment Plant Laboratory	600 Hatch Street	Buckley	WA	98321	Jim Doty	(360) 829-1734	
Buena Wastewater Treatment Plant	1688 Buena Rd	Buena	WA	98921	Jose Campos	(509) 494-3429	
Bureau of Reclamation - PN Regional Lab	300 E. Garrison Rd	Boise	ID	83702-6300	Kristina Lawcynell	(208) 334-1541	
Burlington Wastewater Treatment Plant Laboratory	900 S Section St.	Burlington	WA	98233	Kathlene Fagan	(360) 757-4085x3	
Camas WWTP Laboratory	1129 SE Polk Street	Camas	WA	98607	Bob Busch	(360) 834-3263	
Cape Fear Analytical, LLC	3306 Kitty Hawk Rd, Ste 120	Wilmington	NC	28405	Walter Larkins	(910) 795-0422	X
Carbonado Wastewater Treatment Plant Laboratory	1005 A.P. Tubbs Rd	Carbonado	WA	98323	Steven Osborn	(360) 829-0125	
Cardinal FG Winlock Reclaimed Water Plant	545 Avery Road West	Winlock	WA	98596	Holly Fuller	(360) 242-4241	

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Carlyon Beach Wastewater Treatment Plant Lab	2112 Island Dr. NW	Olympia	WA	98502-9712	Brian Gibson	(253) 255-1539	
Carnation Farms	28901 NE Carnation Farm Rd	Carnation	WA	98014	Curt Gauthier	(425) 844-3104	
Cascade Analytical Inc. - Yakima	1008 W. Ahtanum Rd #2	Union Gap	WA	98903	Laura Mrachek	(509) 452-7707	X
Cascade Analytical, Inc. - Wenatchee	3019 GS Center Road	Wenatchee	WA	98801	Laura Mrachek	(509) 662-1888	X
Cashmere Wastewater Treatment Plant Laboratory	2 River Front Drive	Cashmere	WA	98815-1034	Randy Low	(509) 782-3513	
Castle Rock Wastewater Treatment Plant Lab	215 Michner Street SW	Castle Rock	WA	98611-0370	David Vorse	(360) 274-7478	
Cathlamet Wastewater Laboratory	171 East SR4	Cathlamet	WA	98612	Duncan Cruickshank	(360) 795-8032	
Cebam Analytical	18812 North Creek Parkway N, Ste 205	Bothell	WA	98011-8202	Patrick Pang	(425) 415-1696	
Cedar Creek Corrections Center Laboratory	12200 Bordeaux Rd	Littlerock	WA	98556	Larry Vene	(360) 664-0718	
CEI Labs, Inc.	730 SE Maynard Road	Cary	NC	27511	Anna Malmberg	(919) 481-1413	
CEMEX Technical Services Analytical Lab	6300 Glenwood Avenue	Everett	WA	98203	Nick Cisney	(425) 513-6652	
Central Kitsap Treatment Plant Laboratory	12351 Brownsville Hwy NE	Poulsbo	WA	98370	Matt Pickering	(360) 337-5695	
Centralia Wastewater Treatment Plant Laboratory	1101 Goodrich Rd.	Centralia	WA	98531-5044	Justin Phelps	(360) 330-7531	
Centric Analytical Labs, LLC	1786 SE Mile Hill Drive	Port Orchard	WA	98366	James Schaefer	(509) 844-6597	X
Ceres Analytical Laboratory, Inc	4919 Windplay Dr, Ste 1	El Dorado Hills	CA	95762	James Hedin	(916) 932-5011	
CH Diagnostic & Consulting Service, Inc.	512 5th Street	Berthoud	CO	80513	Brec Clay	(970) 532-2078	X
CH2M Hill - Cedar Water Treatment Facility	16207 SE Old Petrovitsky Rd	Renton	WA	98058	Eric Sampson	(425) 255-7238	X
CH2M Hill OMI Laboratory - The Dalles WWTP	105 Laughlin St.	The Dalles	OR	97058	Chris Patton	(541) 298-1779	
CH2M Laboratory - Hood River	818 Riverside Drive	Hood River	OR	97031	Louie Hooks	(541) 386-2432	

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Chambers Creek Wastewater Treatment Plant Lab	10311 Chambers Creek Road W.	University Place	WA	98467-1040	Amanda Tobin	(253) 798-3012	
Chehalis Regional Water Reclamation Facility Lab	420 Louisiana Ave	Chehalis	WA	98532	Patrick Wiltzius	(360) 740-7536	
Chehalis Tribal Water Quality Laboratory	420 Howanut Road	Oakville	WA	98568	Colleen Suter	(360) 709-1853	X
Chelan Wastewater Treatment Plant Laboratory	21 Chelan Falls Rd	Chelan	WA	98816	Dan Nutley	(509) 682-8052	
Chemtrade Solutions, LLC Laboratory	8579 North Texas Road	Anacortes	WA	98221	Kim Huynh	(360) 293-2171	
Cheney Wastewater Laboratory	119 Anderson Road	Cheney	WA	99004	Mike Lambert	(509) 498-9305	
Cherrywood Mobile Home Manor WWTP	8412 38th St E	Edgewood	WA	98371	Patrick Kongsle	(253) 678-9393	
Chewelah Wastewater Laboratory	120 S. Hunt St.	Chewelah	WA	99109-0258	Robin Hegney	(509) 935-7347	
Clallam Bay Corrections Center Laboratory	1830 Eagle Crest Way	Clallam Bay	WA	98326-9723	Jim Maneval	(360) 963-3256	
Clallam Bay/Sekiu Wastewater Treatment Plant Lab	410 Frontier St	Clallam Bay	WA	98326	Kim Malakoff	(360) 963-2397	
Clallam County Environmental Laboratory	223 East Fourth Street, Room 130	Port Angeles	WA	98362-3015	Sue Waldrip	(360) 417-2334	X
Clark PUD River Road Generating Plant Laboratory	5201 NW Lower River Road	Vancouver	WA	98660	Terry Toland	(360) 992-3060	
Clarkston Wastewater Treatment Plant Lab	102 13th St Clarkston	Clarkston	WA	99403-2696	Jason Frei	(509) 758-1674	
Cle Elum WWTP - Veolia Water North America	500 Owens Road	Cle Elum	WA	98922	William LaRue	(509) 674-4368	
Clearwater Paper Corp Environmental Lab	803 Mill Rd	Lewiston	ID	83501	Bill Hoesman	(208) 799-1585	
Colfax Regional Laboratory	W 501 Hwy 26	Colfax	WA	99111-0229	David Batterton	(509) 397-4606	
College Place Wastewater Treatment Plant Lab	430 Owens Road	Walla Walla	WA	99362	Cheryl Svoboda	(509) 529-2859	
Colton Wastewater Laboratory	706 Broadway	Colton	WA	99113-0157	Steve Bremer	(509) 229-3717	
Colville National Forest Water Lab	765 South Main	Colville	WA	99114	Sarah Brame	(509) 738-7738	

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Colville Wastewater Laboratory	353 S Louis-Perras Road	Colville	WA	99114-2898	Vicky McCanna	(509) 684-1048	X
Concrete Wastewater Treatment Plant Laboratory	46051 Lagoon Ave.	Concrete	WA	98237-0039	Alan Wilkins	(360) 770-0394	
COSMO Specialty Fibers, Inc. Environmental Lab	1701 First St	Cosmopolis	WA	98537	Craig McKinney	(360) 500-4638	
Coupeville Wastewater Treatment Plant Laboratory	600 NE 9th St	Coupeville	WA	98239-0725	Joe Grogan	(360) 914-0314	
Cowiche Wastewater Treatment Plant Lab	1160 Livengood Rd	Cowiche	WA	98923	Ryan King	(509) 678-5877	
Cowlitz Indian Tribal Housing WWTP	5239 Jackson Hwy	Toledo	WA	98591	Thomas Childs	(360) 864-7008	
Crystal Mountain Wastewater Treatment Plant Lab	33600 Crystal Mountain Blvd	Crystal Mountain	WA	98022	Kira Cochran	(360) 663-3083	X
CWU Chemistry Department Environmental Testing Lab	Science Building, Room 212	Ellensburg	WA	98926	Anne Johansen	(509) 963-2164	
Darigold, Inc.	67 SW Chehalis Ave	Chehalis	WA	98532-1934	Bruce Reynolds	(360) 748-8826 x13	
Dayton Wastewater Laboratory	800 Stockton Road	Dayton	WA	99328	Jim Costello	(509) 382-2361	
Deer Park Wastewater Laboratory	N 107 Larch Street	Deer Park	WA	99006-0228	Mark Lewis	(509) 276-8802	
Department of Ecology Marine Waters Lab	8270 28th Ct NE	Lacey	WA	98516	Mya Keyzers	(360) 407-6395	
Department of Fish and Wildlife WQ Lab	1111 Washington St SE Room 652	Olympia	WA	98504	Ann West	(360) 902-2680	
Des Moines Creek WTP - Midway Sewer District Lab	1200 S 216th	Des Moines	WA	98198	Gail Small	(206) 824-2760	
Douglas County Sewer District No 1 Laboratory	1050 Sunset Highway	East Wenatchee	WA	98802-7129	Mike Barnett	(509) 884-1283	
Dragon Analytical Laboratory, Inc	Bldg 530A, Ronlee Lane	Olympia	WA	98502	Tim McCall	(360) 866-0543	X
Duvall Wastewater Treatment Plant	14525 Main Street	Duvall	WA	98019-1300	Mike Marty	(425) 788-0257	
Eastsound Wastewater Treatment Plant Laboratory	143 Cessna Rd	Eastsound	WA	98245-0640	Roy Light	(360) 376-2720	
Eatonville Wastewater Treatment Plant Lab	404 Mashell Avenue S.	Eatonville	WA	98328-0309	Steve McKasson	(360) 832-6110	

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Eberline Services - Oak Ridge Lab	601 Scarboro Road	Oak Ridge	TN	37830	Saba Arnold	(865) 481-0683	X
EcoAnalysts, Inc.	4729 NE View Drive	Port Gamble	WA	98364	Brian Hester	(360) 297-6040	
Edge Analytical Inc. - Bellingham	805 W. Orchard Dr., Suite 4	Bellingham	WA	98225	Charese Cryderman	(800) 755-9295	X
Edge Analytical, Incorporated	1620 S Walnut Street	Burlington	WA	98233	Larry Henderson	(800) 755-9295	X
Edmonds Wastewater Treatment Plant Laboratory	200 Second Avenue South	Edmonds	WA	98020	Pamela Randolph	(425) 771-0237	
Ellensburg Wastewater Laboratory	2415 Canyon Road	Ellensburg	WA	98926-3199	Eric Neumeyer	(509) 962-7277	
Elma Wastewater Treatment Plant Laboratory	1715 W Main St.	Elma	WA	98541	Andrew Baskett	(360) 482-2212	
EMAX Laboratories, Inc.	1835 W 205th Street	Torrance	CA	90501	Kenette Pimentel	(310) 618-8889x110	X
Emerald Performance Materials	1296 NW Third	Kalama	WA	98625-9799	Cherise Hylton	(360) 673-0295	
Emerald Recycling Laboratory - Seattle	1500 Airport Way South	Seattle	WA	98134-2425	Leslie Embrey	(206) 437-5705	
Emerald Recycling Laboratory - Tacoma	1825 Alexander Ave	Tacoma	WA	98421	Leslie Embrey	(206) 437-5705	
Empirical Laboratories, LLC	621 Mainstream Drive, Ste 270	Nashville	TN	37228	Marcia McGinnity	(615) 345-1115	
EMSL Analytical, Inc. - Cinnaminson	200 Route 130 North	Cinnaminson	NJ	08077	Oommen Kappil	(800) 220-3675	X
EMSL Analytical, Inc. - Denver	1010 Yuma St	Denver	CO	80204	Brendon Rawlings	(303) 740-5700	X
EMSL Analytical, Inc. - San Leandro	464 McCormick St	San Leandro	CA	94577	Matthew Batonbacal	(510) 895-3675	X
EMSL Analytical, Inc. - Seattle	3317 3rd Ave. S., Suite D	Seattle	WA	98134	Lauren Kerber	(206) 269-6310	
Energy Laboratories, Inc. - Salt Creek	2393 Salt Creek Hwy	Casper	WY	82601	Donny Juarez	(307) 235-0515	X
Energy Northwest Environmental Services Lab	350 Hills Street, Ste 107	Richland	WA	99354	Brad Barfuss	(509) 377-8058	X
Energy NW Environmental (PPL) Lab	Plant Support Facility, North Power Plant Loop	Richland	WA	99352-0968	Brad Barfuss	(509) 377-8058	X

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Enthalpy Analytical, Inc. (dba Curtis & Tompkins, Ltd.)	2323 Fifth Street	Berkeley	CA	94710	Teresa Morrison	(510) 204-2237	
Enthalpy Analytical, LLC	2202 Ellis Road	Durham	NC	27703	Valgena Respass	(919) 595-1371	
Entiat Wastewater Treatment Plant Laboratory	1947 Lakeshore Drive	Entiat	WA	98822	Martin Thacker	(509) 784-1500	
Enumclaw Wastewater Laboratory	451 Semanski St. S	Enumclaw	WA	98022-3522	Rick Sellers	(360) 825-1115	
Environmental Hazards Services LLC	7469 Whitepine Rd	Richmond	VA	23237	Julie Dickerson	(804) 275-4788	
Environmental Science Corporation	12065 Lebanon Road	Mt. Juliet	TN	37122	Shari Pfalmer	(800) 767-5859	X
Ephrata Water Reclamation Facility Laboratory	13748 Dodson Road	Ephrata	WA	98823-1899	Troy Zerb	(509) 754-2992	
ESN Northwest, Inc.	1210 Eastside St, SE, Ste 200	Olympia	WA	98501	Steve Loague	(360) 459-4670	
ESN Northwest, Inc. - Renton	3155 NE Sunset Blvd	Renton	WA	98056	Steve Loague	(425) 207-8345	
Eurofins Air Toxics, Inc.	180 Blue Ravine Rd, Ste B	Folsom	CA	95630	Melanie Levesque	(916) 985-1000x3396	
Eurofins Calscience, Inc	7440 Lincoln Way	Garden Grove	CA	92841-1427	Larry Lem	(714) 895-5494	
Eurofins Eaton Analytical, Inc - South Bend	110 South Hill Street	South Bend	IN	46617	Dale Piechocki	(574) 472-5523	X
Eurofins Eaton Analytical, Inc. - Monrovia	750 Royal Oaks Drive, Ste 100	Monrovia	CA	91016	Nilda Cox	(626) 386-1170	X
Eurofins Frontier Global Sciences	11720 North Creek Parkway North, Ste 400	Bothell	WA	98011	Dave Wunderlich	(425) 686-3578	
Eurofins Lancaster Laboratories Environmental, LLC	2425 New Holland Pike	Lancaster	PA	17601	Dorothy Love	(717) 556-7327	X
Everett Environmental Laboratory	4027 4th Street NE	Everett	WA	98205	Christiane Khairzada	(425) 257-8230	X
Everett Water Filtration Plant Lab	6133 Lake Chaplain Rd.	Monroe	WA	98272	Mariko Lust	(425) 257-7726	
Everson Wastewater Laboratory	101 Park Drive	Everson	WA	98247-0315	Rick Holt	(360) 966-3411x1301	
Exact Scientific Services, Inc.	1355 Pacific Place, Suite 101	Ferndale	WA	98248	Kent Oostra	(360) 733-1205	X

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Ferndale Wastewater Laboratory	5405 Ferndale Rd.	Ferndale	WA	98248-0936	Michael Olinger	(360) 384-4607	
Fisherman Bay Sewer Dist Laboratory	620 Lopez Road	Lopez	WA	98261-0086	Monico Mackinnon	(360) 468-2724	
Forks Wastewater Treatment Plant Laboratory	10 Nottingham Way	Forks	WA	98331-1998	Dan Wahlgren	(360) 374-3124	
Fremont Analytical, Inc.	3600 Fremont Ave N	Seattle	WA	98103	Nicole Masters	(206) 352-3790	X
Friday Harbor Wastewater Treatment Plant Lab	375 Tucker Ave	Friday Harbor	WA	98250-0219	Don Reitan	(360) 378-5400	
Friedman & Bruya, Inc.	3012 16th Avenue West	Seattle	WA	98119-2029	James Bruya	(800) 487-8231	X
Frontier Analytical Laboratory	5172 Hillisdale Circle	El Dorado Hills	CA	95762	Dan Vickers	(916) 934-0900	X
GEI Consultants, Inc./ Ecological Division	4601 DTC Blvd, Ste 900	Denver	CO	80237	Natalie Love	(303) 662-0100	
GEL Laboratories, LLC	2040 Savage Road	Charleston	SC	29414	Nancy Mattern	(843) 556-8171	X
Georgia Pacific Consumer Products (Camas) LLC	401 N.E. Adams Street	Camas	WA	98607	Phillip Oyer	(360) 834-8142	
Gig Harbor Wastewater Treatment Plant Laboratory	4216 Harborview Drive	Gig Harbor	WA	98335	Darrell Winans	(253) 851-8999	
Golden Specialty, Inc.	931 Seaco Court	Deer Park	TX	77536	Troy Burrows	(281) 984-7021	
Goldendale Wastewater Laboratory	115 Wing Road	Goldendale	WA	98620-0069	Karl Enyeart	(509) 773-3771	
Grand Coulee-Electric City Wastewater Laboratory	USBR Project Compound	Grand Coulee	WA	99133-0180	Gareth Abbott	(509) 633-2503	
Grand Mound Wastewater Plant Laboratory	20248 Grand Mound Way	Centralia	WA	98531	Kevin Patching	(360) 867-2288	
Grandview Environmental Laboratory	850 Bridgeview Rd	Grandview	WA	98930-1398	Dave Lorenz	(509) 894-4320	
Granger Wastewater Treatment Plant Laboratory	503 Main St	Granger	WA	98932-0695	Jodie Luke	(509) 854-2770	X
Granite Falls Wastewater Treatment Plant Lab	500 W. Wallace	Granite Falls	WA	98252-1440	Lyle Bjornson	(360) 691-6441	
Grant PUD - Crescent Bar Wastewater Laboratory	8894 Crescent Bar Rd NW, Ste 1	Quincy	WA	98848	Tom Hardie	(509) 787-1511	

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Grays Harbor County Water Testing Lab	310 West Spruce Street, Suite 216	Montesano	WA	98563-2614	Eric Khambatta	(360) 249-4222	X
H&P Mobile Geochemistry, Inc.	2470 Impala Drive	Carlsbad	CA	92010	Janis La Rouix	(760) 804-9678	
Hallmark Refining Corporation Analytical Lab	1016 Dale Lane	Mount Vernon	WA	98274	Larry Fiske	(800) 255-1895	
Holmes Harbor Water Reclamation Plant Lab	1200 E. Antelope Rd	Freeland	WA	98249-1330	Mark Dumke	(360) 331-4636	
Holroyd Company Laboratory	6801 S. Adams St.	Tacoma	WA	98496-3009	Scott Boyd	(253) 474-0725	
Hoquiam Wastewater Treatment Plant Laboratory	1000 Moon Island Rd.	Hoquiam	WA	98550	Jerry Fulbright	(360) 533-7050	
Hytek Finishes Company Laboratory	8127 S. 216th Street	Kent	WA	98032-2996	Clifton Johnson	(253) 872-7160	
IEH Analytical Laboratories	3927 Aurora Ave N	Seattle	WA	98103	Damien Gadomski	(206) 632-2715	X
Ilwaco Wastewater Treatment Plant Laboratory	336 SE Elizabeth Ave	Ilwaco	WA	98624-0548	Timothy Pfeifer	(360) 642-8200	
Ilwaco Water Treatment Plant Lab	Walberg Road	Ilwaco	WA	98624	Rick Roy Gray	(360) 777-8330	
Inland Empire Paper Co. Laboratory	3320 N Argonne	Spokane	WA	99212-2099	David Newton	(509) 924-1911	
J3 Resources, Inc.	6110 W 34th St	Houston	TX	77092	Scott Ward	(713) 290-0221	
JACO Analytical Laboratory, Inc.	103 12th Avenue SW	Ephrata	WA	98823	Tina Ferrill	(509) 754-5725	
Kaiser Aluminum Trentwood Laboratory	15000 E. Euclid Ave.	Spokane Valley	WA	99216	Kandi Valentine	(509) 927-6396	
Kalama Wastewater Laboratory	206 Hendrickson	Kalama	WA	98625-1007	Butch Owen	(360) 673-4570	
Kennewick Wastewater Plant Lab	416 N Kingwood St	Kennewick	WA	99336-0108	Robert Bonds	(509) 585-4331	
KIK Custom Products - Tacoma	2001 Thorne Rd	Tacoma	WA	98421	Oluyomi Ogunbinu	(253) 279-0561	
King County Carnation Wastewater Treatment Plant Lab	4405 Larson Ave.	Carnation	WA	98014	Teresa Allen	(206) 684-2467	
King County Environmental Laboratory	322 W Ewing Street	Seattle	WA	98119-1507	Colin Elliott	(206) 477-7200	X

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King County South Plant Process Control Lab	1200 Monster Rd SW	Renton	WA	98055	Teresa Allen	(206) 684-2467	
King County Wastewater Div S - Vashon Lab	9621 SW 171st	Vashon	WA	98070	Teresa Allen	(206) 263-1716	
King County West Point Process Lab	1400 Discovery Park Blvd	Seattle	WA	98199	Phuong Truong	(206) 263-3824	
Kitsap County Sewer District No. 7 WRF Laboratory	2905 Fort Ward Hill Rd	Bainbridge Island	WA	98365	Bob Thurston	(360) 301-3535	
Kittitas Co Water Purveyors Laboratory	315 N. Water Street	Ellensburg	WA	98926	Kathleen Satnik	(509) 925-6158	
Kittitas Wastewater Treatment Plant Lab	680 Industrial Loop	Kittitas	WA	98934-0719	Brenda Bach	(509) 968-0225	
Klickitat Co HD - Goldendale	228 W Main MSCH-14	Goldendale	WA	98620	David Kavanagh	(509) 493-6211	X
Klickitat Co HD - White Salmon	501 NE Washington	White Salmon	WA	98672	David Kavanagh	(509) 493-6211	X
KPUD Wastewater Laboratory	440 Dock Rd	Dallesport	WA	98617	Sharon Blodgett	(509) 773-7623	
Kuo Testing Labs, Inc.	337 South 1st Avenue	Othello	WA	99344	Jonathan Cox	(800) 328-0112	X
La Center Wastewater Treatment Plant	101 Aspen Ave	La Center	WA	98629	Bill Birdwell	(360) 263-3335	
La Conner Wastewater Treatment Plant Laboratory	12154 Chilberg Rd.	La Conner	WA	98257-0400	Kelly Wynn	(360) 466-4443	
Lab/Cor, Inc.	7619 6th Avenue NW	Seattle	WA	98117	Derk Wipprecht	(206) 781-0155	X
LabTest	201 East D Street	Yakima	WA	98908	Bennett Osborne	(509) 469-8378	X
Lake Mayfield Village Wastewater Lab	149 Lakeside West	Mossyrock	WA	98564	K.C. Chilberg	(360) 985-0586	
Lake Stevens Wastewater Treatment Facility	7110 9th St SE	Lake Stevens	WA	98258	Kurt Meyer	(425) 249-2003	
Lake Wenatchee Wastewater Treatment Plant Lab	21251 Hwy 209	Wenatchee	WA	98826	David Johanson	(509) 763-3580	
Lakota Wastewater Treatment Plant Laboratory	3203 SW Dash Point RD	Federal Way	WA	98023	Craig Hanson	(253) 945-1593	
Langley City Laboratory	999 Coles Road	Langley	WA	98260-0366	Randi Perry	(360) 221-4274	X

<u>Laboratory</u>	<u>Street Address</u>	<u>City</u>	<u>State/ Province</u>	<u>Zip</u>	<u>Contact</u>	<u>Telephone</u>	<u>DW</u>
Larch Corrections Center Laboratory	15314 NE Dole Valley Road	Yacolt	WA	98675	John Alderman	(360) 260-6300x284	
Leavenworth Wastewater Treatment Plant Lab	1402 Commercial St.	Leavenworth	WA	98826-0287	Antonio Muro	(509) 548-5994	
Lewis County Environmental Health Laboratory	360 NW North St.	Chehalis	WA	98532	Meredith Jones	(360) 740-1231	X
Libby Environmental, Inc.	4139 Libby Road NE	Olympia	WA	98506	Jamie Deyman	(360) 352-2110	
Liberty Lake Water Reclamation Facility Lab	N. 1926 Harvard Rd	Liberty Lake	WA	99019	Dan Grogg	(509) 922-5443x234	
Lighthouse Point Water Reclamation Facility Laboratory	272 Marine Drive	Blaine	WA	98230	Christina Ness	(360) 371-5549	
Lincoln County Environmental Health Lab	90 Nicholls	Davenport	WA	99122	Kim Heinz	(509) 725-2501	X
Lind Wastewater Laboratory	Hwy 21 1 Mi West of Lind	Lind	WA	99341-0324	Franklin Ridgeway	(509) 677-3241	
Long Beach Wastewater Treatment Plant Lab	313 N. 6th Place	Long Beach	WA	98631-0310	John Goulter	(360) 642-3129	
Longview Fibre Paper & Packaging, Inc. (Kapstone)	End of Fibre Way	Longview	WA	98632	Logan Vaughan	(360) 575-5577	
LOTT Water Quality Laboratory	500 Adams Street NE	Olympia	WA	98501	Terri Prather	(360) 528-5724	
Lummi Tribal Sewer & Water District Laboratory	2156 Lummi View Drive	Bellingham	WA	98226	Bob Merrill	(360) 758-7167	
Lynden Wastewater Treatment Plant Laboratory	800 S. 6th Street	Lynden	WA	98264-1997	Tamara Adams	(360) 354-0633	
Lynden Water Treatment Plant Laboratory	524 Riverview Rd	Lynden	WA	98229	Tamara Adams	(360) 255-5470	X
Lynnwood Wastewater Treatment Plant Laboratory	17000 76th Ave. W.	Edmonds	WA	98026	John Ewell III	(425) 670-5250	
Mabton Wastewater Treatment Plant Laboratory	900 Vance Rd	Mabton	WA	98935	Joe Schons	(509) 894-4134	
Manchester Environmental Lab	7411 Beach Drive East	Port Orchard	WA	98366	Ginna Grepo-Grove	(360) 871-8829	
Marine Vacuum Services, Inc., Wastewater Treatment Lab	1535 S. Albro Place	Seattle	WA	98108	Eric Carter	(206) 762-0240	
Marysville Wastewater Treatment Plant Laboratory	80 Columbia Avenue	Marysville	WA	98270	Jeff Cobb	(360) 363-8126	

<u>Laboratory</u>	<u>Street Address</u>	<u>City</u>	<u>State/ Province</u>	<u>Zip</u>	<u>Contact</u>	<u>Telephone</u>	<u>DW</u>
Materials Testing & Consulting, Inc.	4611 So. 134th Place, Suite 240	Tukwila	WA	98168	Beth Goble	(206) 241-1974	
Maxxam Analytics International Corp. - Burnaby	4606 Canada Way	Burnaby	BC	V5G 1K5	Ray Chapman-Chen	(604) 639-2619	X
Maxxam Analytics International Corporation	6740 Campobello Rd	Mississauga	ON	L5N 2L8	Salima Haniff	(800) 563-6266	X
McCleary Wastewater Treatment Plant Laboratory	700 W Maple St	McCleary	WA	98557	Kevin Trehella	(360) 495-3217	
McKinley Paper Company - Washington Mill	1902 Marine Drive	Port Angeles	WA	98363	Paul Perwitz	(360) 565-7045	
McNeil Island WWTP Lab	35 Settler St	Steilacoom	WA	98388-0900	Walter Horton	(253) 588-5281x1353	
Medical Lake Wastewater Laboratory	207 East Ellen St.	Medical Lake	WA	99022-0369	John Cooper	(509) 299-6860	
Messenger House Care Center Laboratory	10861 NE Maintou Park Blvd	Bainbridge Island	WA	98110-1376	Mike Boyce	(206) 842-2654	
Metropolitan Solutions	1420 Chestnut Street	Portsmouth	VA	23704	Joseph Evans	(757) 320-1663	
MicroChem Laboratories, Inc.	711 6th Ave N, Suite 100	Seattle	WA	98109	Matthew Andrews	(206) 633-3637	X
Midwest Laboratories Inc.	13611 B Street	Omaha	NE	68144	Jessica Wurtz	(402) 334-7770	
Mill Creek Water Treatment Plant Laboratory	581 Mill Creek Road	Walla Walla	WA	99362	Tom Krebs	(509) 522-3775	X
Millennium Bulk Terminals-Longview, LLC	4029 Industrial Way	Longview	WA	98632	Cheryl Vezzani	(503) 502-8925	
Miller Creek Wastewater Treatment Plant Lab	1015 SW 174th Street	Normandy Park	WA	98166	Tim Berge	(206) 432-3518	
Missoula Wastewater Division Lab	1100 Clark Fork Lane	Missoula	MT	59802	Sherri Kenyon	(406) 552-6606	
Monroe Water Quality Laboratory	522 S. Sams St.	Monroe	WA	98272-2198	Linda Gleason	(360) 794-6558	X
Montesano Wastewater Treatment Plant Laboratory	128 State Route 107 South	Montesano	WA	98563-3796	Kevin Hegel	(360) 249-3532	
Morse Creek Water Treatment Plant	1257 Glass Road	Port Angeles	WA	98362	Thomas Martin	(360) 565-3449	
Morton Wastewater Laboratory	Hwy 12 - Aberdeen Road (200 Sewer Plant Rd)	Morton	WA	98356	Roy Lewis	(360) 496-5287	

<u>Laboratory</u>	<u>Street Address</u>	<u>City</u>	<u>State/ Province</u>	<u>Zip</u>	<u>Contact</u>	<u>Telephone</u>	<u>DW</u>
Moses Lake Dunes Wastewater Laboratory	1801 Road 'K' S.E.	Moses Lake	WA	98837	Tony Pfluger	(509) 764-3966	
Mossyrock Wastewater Laboratory	3963 US Hwy 12	Mossyrock	WA	98564-0096	Brian Gibson	(360) 983-8001	
Mount Vernon Wastewater Laboratory	1401 Britt Rd	Mount Vernon	WA	98273-9504	David Schorno	(360) 336-6219	
Mukang Labs, Inc.	2526 E Saint Helens St.	Pasco	WA	99301	Chen Liu	(509) 544-2159	X
Mukilteo Water and Wastewater District	9417 62nd Place West	Mukilteo	WA	98275	Brianna Sheppard	(425) 355-6637	X
Naches Wastewater Laboratory	9731 Hwy 12 & Naches Ave	Naches	WA	98937-0095	Mikel Davis	(509) 653-2881	
Naselle Youth Camp Laboratory (DSHS)	11 Youth Camp Lane	Naselle	WA	98638	Paul Leback	(360) 484-3223	
National Food Corporation Laboratory	16900 51st Ave NE	Arlington	WA	98223	Margaret Sells	(360) 659-6251x235	X
Nautilus Environmental (San Diego)	4340 Vandever Avenue	San Diego	CA	92120	Katie Payne	(858) 587-7333	
Nautilus Environmental Company, Inc - Burnaby	8664 Commerce Court	Burnaby	BC	V5A 4N7	Julianna Kalocai	(604) 420-8773	
Naval Undersea Warfare Center Lab - Keyport	Code 1023, BLDG 206, 610 Dowell St	Keyport	WA	98345	Jimi Guthrie	(360) 396-2500	
Newport Wastewater Laboratory	801 N. Washington Ave	Newport	WA	99156	Ray King	(509) 447-5611	
Nippon Dynawave Packaging Co.	3401 Industrial Wy	Longview	WA	98632	Lisa Heltemes	(360) 578-4616	
Nisqually Env Sampling & Consulting Laboratory	6807 345th St S	Roy	WA	98580	John Allen	(253) 208-2400	
North Bay Water Reclamation Facility Lab	1001 Reclamation Ridge Rd.	Shelton	WA	98584	Bart Stepp	(360) 427-9670	
North Bend Wastewater Laboratory	400 Bendigo Blvd N	North Bend	WA	98045-0896	Mark Fogle	(425) 888-7672	
North Bonneville Wastewater Treatment Plant Lab	Cascade Mall Dr	North Bonneville	WA	98639-0007	Bryan Henrichsen	(509) 427-8200	
Northwest Agricultural Consultants, Inc.	2545 West Falls Ave.	Kennewick	WA	99336	Wade Carter	(509) 783-7450	
Northwestern Aquatic Sciences	3814 Yaquina Bay Rd.	Newport	OR	97365-0136	Linda Nemeth	(541) 265-7225	

<u>Laboratory</u>	<u>Street Address</u>	<u>City</u>	<u>State/ Province</u>	<u>Zip</u>	<u>Contact</u>	<u>Telephone</u>	<u>DW</u>
NVL Laboratories, Inc	4708 Aurora Ave N	Seattle	WA	98103	Nick Ly	(206) 547-0100	X
Oak Harbor Wastewater Treatment Plant Lab	1501 S. E. City Beach St.	Oak Harbor	WA	98277	Scott Hubbard	(360) 279-4772	
Ocean Shores Wastewater Treatment Plant	1440 E. Ocean Shores Blvd SW	Ocean Shores	WA	98569-0909	Barry Forvour	(360) 289-2388	
Ocean Spray Cranberries - Aberdeen Laboratory	1480 SR 105	Aberdeen	WA	98520	Ryan Porter	(360) 648-2558	
Okanogan County Public Health Laboratory	1234 South Second	Okanogan	WA	98840-0231	Jacqueline Bellinger	(509) 422-7140	X
Okanogan Wastewater Laboratory	1610 1st Avenue South	Okanogan	WA	98840-0752	Clinton Little	(509) 422-0000	
Olympic Corrections Center Laboratory	25 Miles SE Forks Clearwater Mainline	Forks	WA	98331-9393	Mike Henry	(360) 374-8327	
Olympic Scientific Lab, Incorporated	4246 24th Avenue West	Seattle	WA	98199-1216	Dave Serbousek	(206) 623-5998	
Olympic Water and Sewer, Inc. Laboratory	8481 Oak Bay Rd	Port Ludlow	WA	98365	Greg Rae	(360) 437-7898	
Omak Wastewater Laboratory	635 S. Fir St.	Omak	WA	98841-0072	Jesus Arciniega	(509) 826-2383	
Onalaska Wastewater Laboratory	1678 State Hwy. 508	Onalaska	WA	98570-0146	Daniel Smith	(360) 978-5738	
OnSite Environmental, Inc.	14648 NE 95th Street	Redmond	WA	98052	Karl Hornyik	(425) 883-3881	X
Oroville Wastewater Laboratory	End of Juniper Street	Oroville	WA	98844	Ted Williams	(509) 476-3432	
Orting Wastewater Laboratory	902 Rocky Road NE	Orting	WA	98360-0489	Denis Rundle	(360) 893-2693	
Pace Analytical Services, LLC - Billings	150 N. 9th St	Billings	MT	59101	Kimberly Pohlman	(406) 254-7226	X
Pace Analytical Services, LLC - Davis	2795 2nd Street, Ste 300	Davis	CA	95618	Kathy Nguyen	(530) 297-4800	
Pace Analytical Services, LLC - Minneapolis MN	1700 Elm Street SE, Ste 200	Minneapolis	MN	55414	Janielle Ward	(612) 607-6352	X
Pace Analytical Services, LLC - Pittsburgh	1638 Roseytown Rd, STE 2, 3, 4	Greenburg	PA	15601	Nasreen DeRubeis	(724) 850-5600	X
Pace Analytical Services, LLC - Virginia	315 Chestnut Street	Virginia	MN	55792	Kathleen Mitchell	(612) 656-2257	

<u>Laboratory</u>	<u>Street Address</u>	<u>City</u>	<u>State/ Province</u>	<u>Zip</u>	<u>Contact</u>	<u>Telephone</u>	<u>DW</u>
Pacific Agricultural Laboratory	21830 SW Alexander Lane	Sherwood	OR	97140	Steve Thun	(503) 626-7943	
Pacific Beach Wastewater Treatment Plant Lab	3194 Ocean Beach Rd	Pacific Beach	WA	98571	Kevin McManus	(360) 276-8373	
Pacific County DCD WQ Laboratory	1216 W. Robert Bush Dr.	South Bend	WA	98586	Stacey Taylor	(360) 875-9356	X
Pacific EcoRisk	2250 Cordelia Rd	Fairfield	CA	94534	Stephen Clark	(707) 207-7760	
Pacific Northwest Salmon Center Lab	600 NE Roessel Rd	Belfair	WA	98528	Julian Sammons	(360) 275-3575	
Pacific Rim Laboratories, Inc.	#103, 19575 - 55A Avenue	Surrey	BC	V3S 8P8	David Hope	(604) 532-8711	
Padilla Bay NERR Laboratory	10441 Bayview Edison Rd	Mount Vernon	WA	98273	Nicole Burnett	(360) 428-1097	
Pasco Wastewater Treatment Plant Laboratory	1015 S. Grey Avenue	Pasco	WA	99301-0293	Heath Bateman	(509) 545-3078	
Pateros Wastewater Treatment Plant	190 Lakeshore Dr.	Pateros	WA	98846	Jord Wilson	(509) 923-2403	
Pathologists' Regional Laboratory	415 6th Street	Lewiston	ID	83501	Zayda Gustafson	(208) 746-0516	X
Pe Ell Wastewater Laboratory	1100 N. 2nd St.	Pe Ell	WA	98572-0215	John Hillock	(360) 324-2018	
Penn Cove Water and Sewer District Laboratory	519 Scenic Heights Road	Oak Harbor	WA	98277-0954	Paul Vinsant	(360) 679-4908	
Peshastin Wastewater Treatment Plant Laboratory	10395 Mill Road	Peshastin	WA	98847	Dale Pipkin	(509) 548-6390	
Phillips 66 Ferndale Refinery Laboratory	3901 Unick Rd	Ferndale	WA	98248-0008	Erica Smeltzer	(360) 384-8366	
Picnic Point WWTF Lab	6315 Picnic Point Rd	Edmonds	WA	98026	Tom Wilke	(425) 787-1940	
Pixis Labs LLC	12423 NE Whitaker Way	Portland	OR	97230	Ken Yeomans	(503) 254-1794	X
Pomeroy Wastewater Treatment Plant Lab	244 West Pataha St.	Pomeroy	WA	99347-0370	Kenny Landkammer	(509) 843-3939	
Ponderay Newsprint Co. Laboratory	422767 State Route 20	Usk	WA	99180	Laura Verity	(509) 445-2107	
Port Angeles Wastewater Treatment Plant Lab	1509 E Columbia	Port Angeles	WA	98362-0217	Jeff Young	(360) 417-4845	

<u>Laboratory</u>	<u>Street Address</u>	<u>City</u>	<u>State/ Province</u>	<u>Zip</u>	<u>Contact</u>	<u>Telephone</u>	<u>DW</u>
Port of Kalama Wastewater Laboratory	215 East Wind Rd	Kalama	WA	98625-0070	Pete Poulsen	(360) 673-5900	
Port of Sunnyside Industrial Wastewater Laboratory	747 Midvale Road	Sunnyside	WA	98944	John VanWingerden III	(509) 839-3187	
Port Townsend Paper Corporation Laboratory	100 Mill Road	Port Townsend	WA	98368	Darren Wilson	(360) 379-2079	
Port Townsend Wastewater Treatment Plant Lab	5300 Kuhn Street	Port Townsend	WA	98368-5724	Dave Rodia	(360) 385-3193	
Precision Petroleum Labs, Inc.	5915 Star Lane	Houston	TX	77057	Daniel Zabini	(713) 680-9425	
Prosser Wastewater Treatment Plant Laboratory	999 Grande Road	Prosser	WA	99350	John Beck	(509) 786-1101	
PSE Ferndale Generating Station	5105 Lk Terrell Rd	Ferndale	WA	98248	Bryan Alexander	(360) 380-2119	
Puget Sound Naval Shipyard & Intermediate Maintenance Facility Laboratory	1400 Farragut Ave Code 134.03, Building 59	Bremerton	WA	98314-5001	Jerry Meyers	(360) 476-8025	
Pullman Wastewater Laboratory	NW 1025 Guy St	Pullman	WA	99163	Zareen Dossey	(509) 338-3152	
Puyallup Water Pollution Control Plant Lab	1602 18th Street NW	Puyallup	WA	98371	Charles White	(253) 864-4166	
Quincy Wastewater Laboratory	201 12th Ave SW	Quincy	WA	98848-0756	Sam Snead	(509) 787-2423	
Quincy-Columbia Basin Irrigation District	1720 South Central Avenue	Quincy	WA	98848	Dee Kukes	(509) 787-3591X244	X
Rainier Environmental Laboratory	5013 Pacific Hwy E, Ste 20	Fife	WA	98424	Eric Tollefson	(253) 922-8898	
Raymond Water Treatment Plant Laboratory	2406 Fowler Road	Raymond	WA	98577	Brad Page	(360) 942-4124	
REC Solar Grade Silicon Wastewater Laboratory	3322 Road "N" N.E.	Moses Lake	WA	98837-9505	Steve Martin	(509) 766-9363	
Recovery Water QC Lab	1200 East D Street	Tacoma	WA	98421	Spencer Johnson	(253) 922-2600x249	x
Richland WWTF Laboratory	555 Lacy Rd	Richland	WA	99352-0190	Keri Higgins	(509) 942-7486	
RJ Lee Group, Inc. – Columbia Basin Analytical Laboratories	2710 North 20th Avenue	Pasco	WA	99301	John Coddington	(509) 545-4989	X
Roche Harbor Wastewater Treatment Plant Lab	8484 Roche Harbor Rd	Roche Harbor	WA	98250	Chad Hoffman	(360) 378-3500	

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Royal City Water Reclamation Facility Laboratory	125 Apple Ave.NE	Royal City	WA	99357-1239	John Lasen	(509) 346-1811	
Roza-Sunnyside Board of Joint Control WQ Lab	1105 South Yakima Hwy	Sunnyside	WA	98944	Elaine Brouillard	(509) 837-6980	
Saint John Wastewater Laboratory	402 W. Front St.	Saint John	WA	99171-0298	Travis Poulson	(509) 648-3644	
Salmon Creek Treatment Plant Lab - Vancouver	15100 NW McCann Road	Vancouver	WA	98685-1147	Travis Capson	(360) 397-2271	
Salmon Creek WWTP Lab - Seattle	12550 Shorewood Dr SW	Seattle	WA	98146	Tim Berge	(206) 432-3518	
SanAir Technologies Laboratory, Inc.	1551 Oakbridge Drive, Ste B	Powhatan	VA	23139	Sandra Sobrino	(888) 895-1177	
SCBID Water Quality Program Lab	1135 E. Hillsboro, Ste A Pasco	Pasco	WA	99301-1006	Matt Morgan	(509) 547-1735	
Seattle Aquarium Laboratory	1483 Alaskan Way	Seattle	WA	98101	Shawn Larson	(206) 693-6185	
Seattle City Light - Newhalem Laboratory	500 Newhalem St.	Rockport	WA	98283	Tom Meyer	(206) 386-9168	
Seattle Public Utilities Water Quality Lab	800 South Stacy Street	Seattle	WA	98134	Wylie Harper	(206) 684-7880	X
Seattle-King Co Dept of Public Health Lab	325 Ninth Ave., Room BWC 03 Box 359973	Seattle	WA	98104	Alfred Iqbal	(206) 744-8950	X
Sedro-Woolley Wastewater Treatment Plant Lab	401 Alexander St.	Sedro-Woolley	WA	98284-1498	Debbie Allen	(360) 856-1100	
SEH America, Inc. Laboratory	4111 NE 112th Ave	Vancouver	WA	98682	Danielle Lenzini	(360) 885-8430	
Selah Wastewater Treatment Plant Laboratory	222 S. Railroad	Selah	WA	98942-1396	Todd LaRoche	(509) 698-7321	
Selkirk Regional Environmental Lab	10372 State Highway 31	Ione	WA	99139	John Kinney	(509) 446-3505	X
Sequim Wastewater Treatment Plant Laboratory	247 Schmuck Rd	Sequim	WA	98382	Al Chrisman	(360) 683-3883	
SGS Accutest, Inc. - Orlando	4405 Vineland Rd, Ste-C15	Orlando	FL	32811	Svetlana Izosimova	(407) 425-6700x2625	X
SGS AXYS Analytical Services Ltd.	2045 Mills Rd W	Sidney	BC	V8L 5X2	Dale Hoover	(250) 655-5800	
SGS North America Inc.	5500 Business Dr	Wilmington	NC	28405	Jeannie Milholland	(910) 350-1903	X

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Shell Oil Products US - Puget Sound Refining Lab	8505 South Texas Rd	Anacortes	WA	98221-0622	Edgar Tampinco	(360) 293-1728	
Shelfer Bay Wastewater Treatment Plant Lab	1000C Samish Pl	La Conner	WA	98257	Robert Connolly	(360) 466-3805	
Shelton Wastewater Laboratory	1700 Fairmont Ave.	Shelton	WA	98584	Brent Armstrong	(360) 426-6521	
Skagit Co SD No 2 - Big Lake WTP Laboratory	17079 State Route 9	Mount Vernon	WA	98273	Carol Rofkar	(360) 466-4443	
Skagit PUD No 1 Laboratory	11932 Morford Rd	Sedro Woolley	WA	98284	Emilia Blake	(360) 848-2135	X
Skagit Valley College Environmental Conservation Laboratory	2405 E College Way	Mount Vernon	WA	98273	Claus Svendsen	(360) 416-7816	
Skokomish Water Quality Laboratory	N. 533 Tribal Center Rd	Skokomish Nation	WA	98584	Sang-Seon Yun	(206) 755-0210	
Snohomish Wastewater Treatment Plant Lab	2115 Second St	Snohomish	WA	98290-2994	Karen Allen	(360) 568-0160	
Snoqualmie Pass Utility District Laboratory	370 Treatment Plant Road	Snoqualmie Pass	WA	98068-0131	Tom Hastings	(425) 434-6633	
Snoqualmie Water Reclamation Facility	38190 SE Sterns Road	Snoqualmie	WA	98065-0987	Lyle Beach	(425) 888-4153	
Soap Lake Wastewater Laboratory	Road 20 Saint Andrews Drive	Soap Lake	WA	98851-1270	Sean Meyers	(509) 246-1823	
Soilfest Farm Consultants, Inc. Laboratory	2925 Driggs Drive	Moses Lake	WA	98837	Brent Thyssen	(509) 765-1622	X
Sonoco Products Company Laboratory	1802 Steele Avenue	Sumner	WA	98390-0489	Mike Wetzel	(253) 863-6366	
Sound Microbiology Laboratory, LLC	8463 NE Koura Rd	Bainbridge Island	WA	98110	Mark Wallin	(206) 842-2143	X
South Bend Water Treatment Plant Lab	149 Airport Road	Raymond	WA	98586	Chris Orkney	(360) 591-1552	
South Prairie Wastewater Treatment Plant Lab	306 S Prairie/Carbon River Rd	South Prairie	WA	98385-0870	Kirk Elliott	(360) 897-8969	
Southwest Research Institute	6220 Culebra	San Antonio	TX	78238	Jo Ann Boyd	(210) 522-2169	X
SPAWAR Systems Center Pacific Bioassay Lab	53475 Strohle Rd, Bldg 111, Rm 116	San Diego	CA	92152-6310	Gunther Rosen	(619) 553-0886	
Specialty Analytical	11711 SE Capps Road	Clackamas	OR	97015	Marty French	(503) 607-1331	

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Specialty Minerals, Inc. Laboratory - Wallula	c/o Boise Cascade, 31829 W. Hwy 12	Wallula	WA	99363	Cathy Boudreaux	(509) 545-9777	
Spectra Laboratories - Kitsap, LLC	26276 Twelve Trees Ln, Ste C	Poulsbo	WA	98370	Nancy Parrott	(360) 779-5141	X
Spectra Laboratories, LLC	2221 Ross Way	Tacoma	WA	98421	Jeffrey Cooper	(253) 272-4850	X
Spokane County Regional WRF Lab	1004 North Freya Street	Spokane	WA	99202	Neil Dejonge	(509) 536-3710	
Spokane RPWRF Laboratory	4401 N. Aubrey L. White Parkway	Spokane	WA	99205-3939	Kyle Arrington	(509) 625-4647	
Spokane Water Laboratory	North 2701 Waterworks Avenue	Spokane	WA	99212	R. William Rickard Jr.	(509) 742-8166	X
Stanwood Wastewater Treatment Plant Laboratory	26729 98th St NW	Stanwood	WA	98292	Victoria Danielson	(360) 629-5323	
Stevens Pass Sewer District Laboratory	34000 North Nason Rd	Leavenworth	WA	98826	Scott O'Brien	(360) 973-2804	
Sultan Wastewater Treatment Plant Laboratory	203 W Stevens Ave	Sultan	WA	98294	Brian Funk	(360) 793-2603	
Summit Environmental Technologies, Inc.	3310 Win St	Cuyahoga Falls	OH	44223	Carol Barrick	(330) 253-8211	X
Sumner Wastewater Treatment Plant Laboratory	13114 63rd St. E	Sumner	WA	98390	Greg Kongsli	(253) 299-5760	
Sunland Water District STP Laboratory	5433 Woodcock Road	Sequim	WA	98382-9320	Mike Cays	(360) 683-3880	
Sunnyside Wastewater Treatment Plant Lab	1338 S 4th St	Sunnyside	WA	98944-2206	Raul Sanchez	(509) 836-6568	
SVL Analytical, Incorporated	One Government Gulch	Kellogg	ID	83837	Michael Desmarais	(208) 784-1258	X
Tacoma Central Treatment Plant No.1 Lab	2201 Portland Ave, Building F, Basement	Tacoma	WA	98421	Lori Zboralski	(253) 502-2133	
Tacoma Environmental Services Laboratory	326 East D Street	Tacoma	WA	98421-1801	Lori Zboralski	(253) 502-2133	
Tacoma North End - STP No.3 Laboratory	4002 N Waterview St	Tacoma	WA	98407-5706	Lori Zboralski	(253) 502-2133	
Tekoa Wastewater Treatment Plant Lab	7241 Lone Pine Road	Tekoa	WA	99033-0927	Kyndra Browning	(509) 284-3861	
Teledyne Brown Engineering - Knoxville Laboratory	2508 Quality Lane	Knoxville	TN	37931-3133	Brandy Bicoil	(865) 934-0393	

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Tenino Water Reclamation Facility Lab	16402 Old Highway 99	Tenino	WA	98589	MacLeod Pappidas	(360) 264-8233	
Tesororo Anacortes Quality Assurance Laboratory	10200 West March Point Rd	Anacortes	WA	98221	James Kopkowski	(360) 293-9143	
TestAmerica ASL	1000 NE Circle Blvd, Bldg 10	Corvallis	OR	97330	Ginger Collins	(541) 768-3111	X
TestAmerica Buffalo	10 Hazelwood Drive	Amherst	NY	14228-2298	David Orlowski	(716) 504-9832	
TestAmerica Denver	4955 Yarrow St.	Arvada	CO	80002	Peggy Sleevi	(303) 736-0116	X
TestAmerica Irvine	17461 Derian Ave, Ste 100	Irvine	CA	92614	Kathryn Chang	(949) 261-1022	X
TestAmerica Laboratories, Inc. - Knoxville	5815 Middlebrook Pike	Knoxville	TN	37921-5947	Kevin McGee	(865) 291-3000	
TestAmerica Nashville	2960 Foster Creighton Drive	Nashville	TN	37204	Glenn Baun	(615) 301-5759	X
TestAmerica North Canton	4101 Shuffel Street NW	North Canton	OH	44720	Dorothy Leeson	(330) 966-9281	
TestAmerica Pensacola	3355 McLemore Dr	Pensacola	FL	32514	Lance Larson	(850) 474-1001	
TestAmerica Richland	2800 George Washington Way	Richland	WA	99354-1613	Erika Jordan	(509) 375-3131	X
TestAmerica Sacramento	880 Riverside Parkway	West Sacramento	CA	95605	Russell Evans	(916) 374-4389	X
TestAmerica Savannah	5102 La Roche Ave.	Savannah	GA	31404	Ashley Orr	(912) 354-7858	X
TestAmerica Seattle-Tacoma	5755 Eighth Street East	Tacoma	WA	98424	Terri Torres	(253) 922-2310	X
TestAmerica Spokane	11922 E 1st	Spokane Valley	WA	99206-5302	Terri Torres	(509) 924-9200	X
TestAmerica St. Louis	13715 Rider Trail North	Earth City	MO	63045	Marti Ward	(314) 298-8566	X
The Dalles Water Quality Lab	6780 Reservoir Road	The Dalles	OR	97058	DeeAnn Ramos	(541) 298-2248x5001	X
Three Rivers Regional Wastewater Plant Lab	467 Fibre Way	Longview	WA	98632	Andrea Bacon	(360) 577-2040	
Thurston County Health Department Laboratory	2000 Lakeridge Drive SW	Olympia	WA	98502	Erik Iverson	(360) 867-2631	X

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Toledo Wastewater Laboratory	801 S 1st St	Toledo	WA	98591-0236	Steven Blahut	(360) 864-4564	
Toutle Wastewater Treatment Plant Laboratory	200 S. Toutle Rd	Toutle	WA	98649	Brent Sanborn	(360) 577-3030x6534	
TransAlta Centralia Generation Lab	913 Big Hanaford Rd	Centralia	WA	98531-9111	Sam Bocoock	(360) 330-2306	X
TRE Environmental Strategies, LLC	100 Racquette Drive, Unit A	Fort Collins	CO	80524	Anita Rehner	(970) 416-0916	
Tree Top - Selah Laboratory	1500 Harrison Road	Selah	WA	98942-0248	Glen Sagdal	(509) 449-3054	
Tree Top - Wenatchee WWTP Laboratory	4215 SR-97A	Wenatchee	WA	98801	Abraham Belew	(509) 667-7189	
Tree Top Inc. - Prosser Wastewater Laboratory	6004 Bunn Rd	Prosser	WA	99350	Glen Sagdal	(509) 697-7251X1613	
Tshimakain Creek Laboratories	5503 E Broadway Ave	Spokane Valley	WA	99212	Darren Lantzer	(509) 928-3577	X
Tulalip Tribes Water Quality Laboratory	10610 Waterworks Rd	Tulalip	WA	98271	Harvey Eastman	(360) 716-4425	
Twisp Wastewater Treatment Plant Laboratory	1240 Ewell St	Twisp	WA	98856-0278	Andrew Denham	(509) 997-1311	
Tyson Fresh Meats, Inc. Laboratory	13983 Dodd Road	Walla Walla	WA	99363	Mohammad Rezaee	(509) 543-4324	
U.S. Oil & Refining Company Laboratory	3001 Marshall Ave	Tacoma	WA	98421	Tom Hullinger	(253) 383-1651	
University of Washington Tacoma at Center for Urban Waters	326 East D Street	Tacoma	WA	98421	C. Andrew James	(253) 254-7030 ext 801	
US Army Madigan Environmental Health Services	9911 B East Johnson Street	Tacoma	WA	98431-1100	Anthony Medica	(253) 968-4342	X
US Naval Hospital Bremerton Preventive Medicine Dept Water Lab	2850 Thresher Ave. Bldg 2850	Silverdale	WA	98315	Blaine Brock	(360) 315-4471	X
USAg Analytical Services	1320 E. Spokane Street	Pasco	WA	99301	Dale Howell	(509) 547-3838	
UW Analytical Services Laboratory	Rm 208 Bloedel Hall	Seattle	WA	98195	Dongsen Xue	(206) 543-4691	
UW Oceanography Marine Chemistry Lab	Rm 346 Ocean Sciences Bldg 1492 NE Boat St	Seattle	WA	98195-7940	Katherine Krogslund	(206) 543-9235	
Vader Wastewater Laboratory	1025 A Street	Vader	WA	98593-0189	Jill Nielson	(360) 295-3222	

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Vancouver Westside WWTP Laboratory	2323 West Mill Plain	Vancouver	WA	98660	Rani Senkbeil	(360) 695-0092x104	
Vantage Wastewater Laboratory	120 Holiday Street	Vantage	WA	98950	Ron Roduner	(509) 398-0525	
Vertellus Performance Chemicals, LLC Quality Control Lab	4800 SR 12	Elma	WA	98541-9219	Rob Farrar	(360) 482-8805	
Vista Analytical Laboratory, Inc	1104 Windfield Way	El Dorado Hills	CA	95762	Anna Helak	(916) 673-1520	X
WAI Hanford Laboratory - 222-S	Hanford Site, 222-S / 200W	Richland	WA	99354	Marcus Aranda	(360) 373-5670	
Walla Walla Regional Water Testing Services	714 South College Avenue	College Place	WA	99324	Curtis Skifstad	(509) 526-9287	X
Walla Walla Wastewater Laboratory	572 Hatch Street	Walla Walla	WA	99362-5501	Willy Breshears	(509) 527-4509	
Wallula Environmental Lab (Boise White Paper- a PCA Company)	31831 West Hwy 12	Wallula	WA	99363	Donald Butkus	(509) 545-3781	
Warden Water Reclamation Facility	1014 E First St	Warden	WA	98857	Kristine Shuler	(509) 349-5154	
Warm Beach Campground Wastewater Lab	20800 Marine Drive	Stanwood	WA	98292	Carol Rofkar	(360) 466-4443	
Washougal Wastewater Treatment Plant Laboratory	3900 SR 14	Washougal	WA	98671-2395	Ryan Baker	(360) 835-2662x220	
Water Management Laboratories, Inc.	1515 80th St E	Tacoma	WA	98404-3315	Christa Holme-Garrett	(253) 531-3121	X
Wenatchee Drinking Water Lab	1350 McKittrick St	Wenatchee	WA	98801	Jessica Shaw	(509) 888-3225	X
Wenatchee Wastewater Treatment Plant Laboratory	201 N Worthen St	Wenatchee	WA	98801	Adam Reichert	(509) 888-3238	
West Richland WWTP Lab	320 N 46th Ave	West Richland	WA	99353	Randy Paulson	(509) 967-5723	
West Sound Utility District Laboratory	1165 Beach Dr E	Port Orchard	WA	98366	Brian McCown	(360) 895-6924	
Western WA University Institute for Watershed Studies	WWU Envir. Studies Bldg Rm 604	Bellingham	WA	98225	Robin Matthews	(360) 650-3507	
Westport Wastewater Treatment Plant Laboratory	100 W Bay Street	Westport	WA	98595-0505	Jim Atkinson	(360) 268-0512	
Westrock Tacoma	801 Portland Ave	Tacoma	WA	98401	Paul Sponenburg	(253) 596-0170	

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Weyerhaeuser Analytical Chemistry & Microstructure	32901 Weyerhaeuser Way S.	Federal Way	WA	98001-9348	Dan Deprez	(253) 924-4613	
Wilkeson Wastewater Treatment Facility Lab	220 Church St	Wilkeson	WA	98396	Luke Wilbanks	(360) 829-4235	
Willapa Regional WWTP Laboratory	151 Hwy 105	Raymond	WA	98577	Todd Stephens	(360) 942-4125	
Willapa Valley Water Treatment Plant Lab	89 Hyland Stringer Road	Raymond	WA	98577	Shawn Aust	(360) 942-3849	
Winlock Wastewater Laboratory	1209 S.W. Mayer St.	Winlock	WA	98596	Rodney Cecil	(360) 785-4565	
Winthrop Wastewater Treatment Plant Laboratory	913 Main St	Winthrop	WA	98862-0459	Richard Karro	(509) 996-2129	
Woodland Wastewater Treatment Plant Laboratory	100 Sandalwood Rd	Woodland	WA	98674	Derrek Amburgey	(360) 225-7007	
WSU School of the Environment WQ Lab	Washington State University	Pullman	WA	99164-6410	Barry Moore	(509) 335-4006	
Yakima Regional Wastewater Plant Laboratory	2220 East Viola Avenue	Yakima	WA	98901-9595	Jennifer Cleary	(509) 575-6133	
Yelm Water Reclamation Facility Laboratory	931 N.P. Road	Yelm	WA	98597	Bill VanBuskirk	(360) 458-8411	
Zillah Wastewater Treatment Plant Laboratory	740 Railroad Ave.	Zillah	WA	98953-0475	Darlene Meyer	(509) 829-5359	

Small Business Economic Impact Statement

Proposed WAC 170-300-0235 A rule concerning safe water sources

Date: February 1, 2017

1. Describe the proposed rule, including:

- a brief history of the issue
- an explanation of why the proposed rule is needed
- a brief description of the probable compliance requirements and the kinds of professional services that a small business is likely to need in order to comply with the proposed rule

Lead and copper pose serious health risks, particularly to young children. According to the EPA, lead can affect almost every organ and system in the human body and “children six years old and younger are most susceptible to the effects of lead.” Lead and copper enter drinking water mainly through plumbing materials, and exposure may cause health problems that range from stomach complications to brain damage. Lead affects the central and peripheral nervous systems, cardiovascular system, kidney, blood, gastrointestinal system, immune system, and reproductive system. Even low levels of lead can result in behavior and learning problems, lower IQ, hyperactivity, slowed growth, hearing problems, and anemia.

In response to Governor Inslee's directive 16-06, the Department of Health issued recommendations for the Department of Early Learning and other agencies that are intended to reduce exposure to lead and other environmental hazards where children live, learn, and play. While the governor's directive requires testing in buildings built before 1978, the Departments of Early Learning and Health have determined that water quality testing for lead and copper in all licensed buildings is needed to achieve health and safety goals and protect young children who are the most vulnerable demographic. The proposed rule was developed using science-based, cost-effective recommendations for reducing lead consumption in young children.

Proposed WAC 170-300-0235 would require both center and family home child care providers to:

1. Determine the lead and copper levels of any water source used for food or infant formula preparation or drinking water and remediate when unsafe levels are detected. Providers must conduct an initial test within six months of the rule's effective date and test at least once every six years thereafter. Water testing would also be required as part of the application process for prospective providers; and
2. Test private well water for coliform bacteria and nitrates and remediate when unsafe levels are detected.

The proposed rule reduces the risk of children enrolled in licensed child care from being exposed to dangerous substances by dictating steps that will protect children enrolled in the early learning programs in the event these tests reveal unsafe levels of lead or copper at or above the standards set by the U. S. Environmental Protection Agency or unsafe bacteria and nitrate levels.

Both of the tests required under proposed WAC 170-300-0235 must be performed by a Washington State certified water laboratory, certified by the Washington State Department of Ecology. The lab provides a test kit that includes sampling instructions and water bottles. Licensed providers and license applicants draw water samples and deliver them to the lab for testing. The lab issues written test results, which must be kept on the licensed premises.

2. Identify which businesses are required to comply with the proposed rule using the North American Industry Classification System (NAICS) codes and what the minor-cost thresholds are.

NAICS code (4, 5 or 6 digit)	NAICS business description	# of businesses in WA	Minor-cost threshold = 1% of average annual payroll	Minor-cost threshold = 0.3% of average annual receipts
624410	Child day care services	2228*	\$1,548	937.9591562

*Based on data from the 2012 U.S. Census. As of December 2016, 3,604 family homes and 1,578 centers were licensed in Washington State, for a total of 5,182 child care providers.

3. Analyze the probable cost of compliance. Identify the probable costs to comply with the proposed rule, including: cost of equipment, supplies, labor, professional services and increased administrative costs. Based on input, describe how compliance with the rule may cause lost sales or revenue.

Water testing costs vary across Washington State. Nine labs were contacted around the state to determine a range of \$25 to \$112 with an average cost of \$47 to test for lead and copper. Testing private well water for bacteria ranged from \$45 to \$71, with an average cost of \$56.

Testing is not expected to exceed the minor cost threshold for any provider. For the majority of licensed center and family home providers, the only ongoing costs would be those associated with buying kits to test faucets and private wells, where applicable, between one and six years. The majority of family homes will be testing one faucet for lead and copper. The 600 largest centers in the state will bear an average cost of \$188 to test an assumed two faucets and two drinking fountains. This cost does not take into account follow-up testing to identify potential “false-positive” readings.

Remediation costs are indeterminate should any test reveal unsafe levels of levels of lead or copper in drinking water or bacteria or nitrates in drinking water. Remediation costs may include repairing plumbing systems or private wells, or providing bottled or packaged water to meet the safety needs for preparing food or infant formula, drinking, and cooking. These would be one-time or short-term costs. Remediation is not a new requirement – current rules require centers and family home child care providers to maintain safe water sources.

4. Explain how you determined the rule may impose more-than-minor costs on businesses in the industry.

The testing requirement does not impose more-than-minor costs on businesses in the industry. This statement is supplied since any remediation costs would likely exceed the minor threshold. However, as explained above, those costs are variable and indeterminate. Furthermore, current rules require remediation of unsafe water sources, so this should not be considered a new cost.

5. Determine whether the proposed rule may impose a disproportionate impact on small businesses compared to the 10 percent of businesses that are the largest businesses required to comply with the proposed rule.

Use one or more of the following as a basis for comparing costs:

- Cost per employee
- Cost per hour of labor
- Cost per \$100 of sales

The proposed rule impacts only small businesses, however the new costs imposed do not exceed the minor cost threshold.

6. If the proposed rule is likely to impose a disproportionate impact on small businesses, identify the steps taken to reduce the costs of the rule on small businesses. Include consideration of each of the following cost mitigation strategies:

- (a) Reducing, modifying, or eliminating substantive regulatory requirements
- (b) Simplifying, reducing, or eliminating recordkeeping and reporting requirements
- (c) Reducing the frequency of inspections
- (d) Delaying compliance timetables
- (e) Reducing or modifying fine schedules for noncompliance
- (f) Any other mitigation techniques suggested by small businesses or their advocates

If the costs cannot be reduced, provide a clear explanation of why.

The proposed lead and copper test complies with current EPA testing standards to determine whether any faucet supplying water has an unsafe concentration of lead or copper, or whether a private well has unsafe levels of bacteria or nitrates. The Department of Early Learning believes imposing this minor cost is necessary to ensure the safety of children who participate in the programs DEL regulates. The one-time and short-term costs identified above necessary to remediate any unsafe water source to reduce the risk of children's exposure to harmful toxins could not be mitigated.

7. Describe how small businesses were involved in the development of the proposed rule.

A working draft of the rule was distributed to licensees on January 12, 2017 with a solicitation for comment. Since January 10, the working draft has also been available on the Department of Early Learning's website with an opportunity to comment. Thirteen comments were received and revisions were made based on those comments. Family home licensees are represented by the Service Employees International Union (SEIU), Local 925. DEL has a statutory obligation to negotiate proposed rules that impact family home licensees with SEIU and other affected parties. The SEIU has the additional option to bargain on behalf of its members any rule impacts.

8. Identify the estimated number of jobs that will be created or lost as the result of compliance with the proposed rule.

The requirement of testing faucets and, where applicable, private wells would most likely not impact a licensee's hiring decision. The need to repair or replace plumbing may impact a licensee's decision to employ paid staff, or the number of hours that the licensee uses paid staff in a given year. As explained above, remediation is required by current rules.

9. Summarize the results of the analysis, including the determination if costs are disproportionate.

Proposed WAC 170-300-0235 requires center and family home child care providers to regularly test faucets for unsafe levels of lead and copper and test private well water for unsafe levels of bacteria and nitrates. The cost of testing is not expected to exceed the minor cost threshold. Repairs are required or an alternative source of water must be provided when the tests reveal that the water is unsafe for children. Current rules require remediation of unsafe water sources, so the cost to repair water systems should not be considered a new cost imposed by the proposed rule.