

OLYMPIC REGION CLEAN AIR AGENCY
2940 LIMITED LANE NW
OLYMPIA WA 98502

Regular Meeting

May 8, 2019
10:00 am

Be courteous – Please silence all cell phones

1. **CALL TO ORDER**
2. **APPROVAL OF AGENDA** (*action item*)
(Ask for any corrections, additions/omissions)
3. **CHAIR REPORT**
4. **PUBLIC COMMENT**
5. **CONSENT AGENDA** (*action item*)
 1. Minutes of Regular Meeting, April 10, 2019
 2. Expenditures and Disbursements – April 6, 2019 – May 1, 2019
6. **NEW BUSINESS**
 1. Congressional Letters (*action item*)
7. **UNFINISHED BUSINESS**
 1. Gasoline Facility Rule (*action item*)
8. **PUBLIC HEARING**
 1. Fiscal Year 2020 Budget (*action item*)
9. **DIRECTOR'S REPORT**
 1. Compliance Program Update (*Robert Moody, Compliance Manager*)
 2. Engineering Program Update (*Mark Goodin, Engineering Manager*)
 3. Air Quality Program Update (*Odelle Hadley, Senior Air Monitoring Technician*)
 4. Education and Outreach (*Dan Nelson, Public Information Officer*)
 5. Finance/Administrative Update (*Lynn Harding, Administrative Services Manager*)
 6. Executive Director's Report (*Fran McNair, Executive Director*)
10. **GOOD OF THE ORDER**
11. **EXECUTIVE SESSION**
To discuss any matter suitable for Executive Session under RCW 42.30.110
12. **ADJOURN**

OLYMPIC REGION CLEAN AIR AGENCY
2940 Limited Lane NW
Olympia, Washington 98502

BOARD OF DIRECTORS MEETING

April 10, 2019

Members present: Jim Cooper, City of Olympia (Chair)
Cynthia Pratt, City of Lacey (Vice Chair)
Mike Runyon, Pacific County
Tye Menser, Thurston County
Joan Cathey, City of Tumwater
Wes Cormier, Grays Harbor County
Mary Ellen Winborn, Clallam County
Randy Neatherlin, Mason County
Greg Brotherton, Jefferson County

Members absent:

Legal Counsel: Jeff Myers of Law, Lyman, Daniel, Kamerrer and Bogdanovich

Staff Present: Fran McNair, Executive Director; Robert Moody, Compliance Manager;
Mark Goodin, Engineering Manager; Odelle Hadley, Air Monitoring
Supervisor; Dan Nelson, Public Information Officer; Lynn Harding,
Administrative Services; and Debbie Moody, Office Manager/Recorder

Cooper called the meeting to order at 10:00 a.m.

Cooper asked for approval of the Agenda. Cormier moved approval with the request the Presentation be moved to occur after the agency business (Director's Report). The motion with the amendment was seconded and carried unanimously.

CHAIR REPORT

Cooper stated the Finance Committee met prior to this meeting and we have begun the budget process. Cooper added there will not be an evaluation on the director this year as one was completed last year. We will need to discuss her salary and determine any changes, if appropriate. Pratt stated the Finance Committee looked at the current budget and everything looks good. The 2020 budget has minimal changes, Pratt noted. Pratt stated the new budget does include a 2.9 increase for fees and the COLA. Cooper added we do have a vacancy on the other side of the building.

PUBLIC COMMENT

There were no public comments.

CONSENT AGENDA

Cooper asked for approval of the Consent Agenda. Pratt moved approval of the Consent Agenda. The motion was seconded and carried unanimously.

DIRECTORS REPORT

Compliance Program Update

R. Moody noted now that Spring has arrived, outdoor burning is keeping his staff busy. R. Moody stated his team is now fully staffed and he introduced Seamus Shevlino who started with us on April 1. The Board welcomed Shevlino.

Engineering Program Update

Goodin updated the Board on the 2 large projects that are currently in our queue. McKinley Paper in Port Angeles is retooling the paper end of their mill and will be producing heavier grade paper products. Goodin stated Ecology is also involved in permitting (water), but as far as our permitting, we are on track. We expect to get a completeness determination out to them shortly, followed by a preliminary determination which will go out for public comment and possibly a hearing.

The other large project is BHP in Grays Harbor. This is a large potash facility where the potash comes in, they dump it and then load it onto barges.

Neatherlin asked for a briefing on the Sierra Pacific permits, wondering if the permit process is slowing their progress. Goodin stated it is not. Neatherlin stated that is all he needed to know.

Air Quality Program Update

Hadley stated March showed good air quality across the board with only 2 moderate days in Lacey. We had close to 100% data, except South Bend, where we found our inlet had been disconnected from outside. Hadley noted we will be looking for a new site in South Bend this summer.

The Mason County Saturation Study is moving along. Our last site, Bordeaux Elementary, should be set up this week. Purple Air data, at all the sites, have been corrected to be consistent with our Shelton Nephelometer. Correlation for March was almost identical for February and the linear relationship was almost identical as well.

The students are doing a great job on our Community Toxics project. They went to EPA and gave a presentation in March and it went very well. They are currently preparing to attend the Air & Waste Management conference in Quebec City this June.

Hadley noted she made it to Cheeka Peak in late March and things were running properly. She will be going up this week and again in 2 weeks for an audit. Hadley also noted she did give a wildfire presentation to the AWMA group in Lacey the previous evening. Grant has been busy with IT issues but has been keeping up with the quarterly quality checks.

Winborn asked if the students could be utilized for public education at some point. Nelson stated we have discussed that possibility, once they complete the project and have useful data.

Cathey asked what the students presented to EPA. Hadley explained they are looking at different compounds that have been identified as hazardous pollutants associated with wood burning (fire places/woodstoves). One of the pollutants, acrolein, has been deemed to pose no risk by EPA at a low level, but if it goes above that level it may be a risk for those with a lifetime exposure. Most of the measurements are above that line, however; measuring that compound is very difficult and within the 'noise' (detection limits) capabilities of the method. One of the primary projects they are working on is to improve the method for measuring that compound.

Cathey also asked if, when we get a complaint or deal with air issues, do we work with Fish & Wildlife that deal with animals and creatures. McNair stated our contacts are more with Ecology and DNR. Goodin added we don't issue final permits until SEPA has been done, and SEPA does deal with animals/creatures as well. R. Moody added that our mission does note we are here to protect humans and flora and fauna as well. The standards Hadley discusses each month let us know if we are doing ok.

Brotherton asked ORCAA deal with indoor air. McNair stated we do not, that would be Department of Health.

Education and Outreach

Nelson noted one of our engineers and one of our inspectors, both young women, participated in the "Expanding Your Horizons" group this year. This group encourages young girls and women to pursue careers and study in the fields of science.

We are gearing up for the annual home shows. The North Peninsula Home Show was cancelled due to weather, and they rescheduled however Nelson was unable to attend. Rather than refund our fee, they have agreed to put a ¼ page advertisement in their newsletter, which will be included in the Peninsula Daily News. Nelson stated the Olympia Home Show is at the end of the month and is held at St. Martin's University.

We have been working with Ecology on the woodsmoke reduction grant and we were able to get the contract revised to include a 5-mile radius outside the Thurston County UGAs. We will be meeting with Ecology and are hoping to be able to expand our future program to Clallam and Mason Counties.

Finance/Administrative Update

Harding noted we are doing well during our 3rd quarter of our budget. We believe we will not be using any of our unreserved funds this year, to balance the budget. Harding explained the Federal and State are changing the term lengths of several of our contracts. For example, Cheeka Peak contract is currently a 2-year contract and they will be doing a 5-year contract instead.

Harding noted we have gotten word we were awarded the 2% reduction for our health benefits, by way of the AWC Well City award. This award will cover calendar year 2021. Harding added, since 2012, Well Cities have saved more than \$17,000,000 in medical costs alone (for employers and employees). It has saved ORCAA \$4200/yr. Our Wellness committee works hard and currently has a walking challenge going for staff this month.

Harding stated we still have one rental space available. Cooper asked for the link to the advertisement. Nelson noted it is on the homepage of our website.

Runyan questioned how we arrive at our fee structure. He noted the significant increase (assessments) since 2016. What is it based on? McNair explained we had been at \$.45 for approximately 10 years, and in 2016 we did a study and it warranted an increase. Since that time, we increase the assessment by the CPI each year.

Executive Director's Report

McNair explained we had a constituent that sent in a card thanking our compliance staff for doing a great job. McNair stated, my staff works hard all the time, but it is special when we get a "thank you"

from a constituent. McNair noted, Goodin took on a huge project with EFSEC writing Grays Harbor Energy's AOP. Goodin has been working on this very detailed permit for quite some time and he recently sent it out the final draft to EFSEC. McNair thanked Goodin for doing a phenomenal job and presented him with a small gift. Nelson noted because Goodin's project was an energy project, his gift would remind him of the work he did. Nelson noted it is a portable powerpack (energy source) and backup battery. McNair noted she had a voicemail she received from Derek Kilmer regarding McKinley she wanted to share with the Board. Kilmer noted he had met with McKinley staff and they expressed their gratitude of ORCAA's staff working with them on their project.

McNair wanted to note how pleased she is that Dave Grant is working with the woodstove bounty program. Grant wants to be creative about solving problems and she is appreciative of that aspect. We will be meeting with him to help in evaluating the program.

McNair stated we will be bringing the preliminary budget to the full Board in May. We hope to have the budget passed by May or June as our Fiscal Year begins July 1.

PRESENTATION

Understanding Climate and Climate Change

Hadley explained the science of climate is very complicated and her presentation is simplified basics of why we have climates where we have them and how climate change may be affecting that. Hadley went through her presentation.

Cooper thanked Hadley for her presentation.

GOOD OF THE ORDER

Cooper noted it has been 2 or 3 years since we discussed a fee for open burning permits (Thurston County). Is the time right to update the Board on how we are doing and take another look at whether we are in the right place to have a discussion again? McNair noted we can put it on a future agenda.

ADJOURNMENT

The meeting adjourned at 11:30 a.m.

CERTIFICATION

I hereby certify this is a true and correct copy of the minutes of the meeting of the ORCAA Board of Directors held on April 10, 2019, in Olympia, Washington.

ATTEST:

Francea L. McNair, Executive Director
Olympic Region Clean Air Agency

Jim Cooper, Chair
ORCAA Board of Directors

DATED: _____

OLYMPIC REGION CLEAN AIR AGENCY

2940 Limited Lane NW, Olympia WA 98502-6503

Board Approval of Expenditures, Disbursements, and Wire Transfers

SUBMITTED FOR THE PERIOD

April 6, 2019 through May 1, 2019

<i>Fund:</i>	<i>Warrant #'s:</i>	<i>Scheduled Payment Date:</i>	<i>Issue Amount</i>
6471			
	63007636	April 12	\$28,500.00
	63007637 - 63007655	April 17	\$14,008.83
	63007656 - 63007662	April 29	\$16,636.06
	Auto - Mo. Wire Transfer	T.C. Accounting Charge	\$535.84
	30622357-3062359, 529387-52940	April - Payroll	\$119,461.50
	7746, 7750, 7754	April - Benefits	\$40,773.11
<i>Total Expenditures This Period:</i>			<u><u>\$219,915.34</u></u>

Included with Consent Agenda for Monthly Board of Directors Meeting.

OLYMPIC REGION CLEAN AIR AGENCY
2940 Limited Lane NW, Olympia WA 98502-6503
Check Register of Expenditures, Disbursements, and Wire Transfers
SUBMITTED FOR THE PERIOD
April 6, 2019 through May 1, 2019

Check #	Date	Payee	Cash Account	Amount
63007636	4/12/19	Bruce Titus Automotive Group, Inc.	10200	28,500.00
63007637	4/17/19	Air & Waste Mgmt. Association	10200	862.00
63007638	4/17/19	Argus Pacific Inc.	10200	510.00
63007639	4/17/19	Greg Brotherton	10200	88.16
63007640	4/17/19	Capital City Stove	10200	1,700.00
63007641	4/17/19	Capital Business Machines, Inc.	10200	99.85
63007642	4/17/19	Department of Retirement Systems	10200	25.00
63007643	4/17/19	Gail Cozens	10200	1,800.00
63007644	4/17/19	Kreg T. Kadoun	10200	500.00
63007645	4/17/19	Labor & Industries	10200	1,504.13
63007646	4/17/19	Law, Lyman, Daniel,	10200	3,702.80
63007647	4/17/19	Mountain Mist Water	10200	30.92
63007648	4/17/19	C&C Clean Sweep	10200	1,200.00
63007649	4/17/19	Office Depot	10200	265.98
63007650	4/17/19	LeMay Inc-Pacific Disposal	10200	62.55
63007651	4/17/19	Puget Sound Energy	10200	825.84
63007652	4/17/19	Raymond S. Kelly	10200	500.00
63007653	4/17/19	Sound Publishing Inc.	10200	116.04
63007654	4/17/19	Sunrise Pest Management, Inc.	10200	78.68
63007655	4/17/19	Mary Ellen Winborn	10200	136.88
63007656	4/29/19	Bank of America	10200	6,300.66
63007657	4/29/19	City of Olympia	10200	638.08
63007658	4/29/19	Eastern Research Group, Inc.	10200	7,471.00
63007659	4/29/19	Mountain Mist Water	10200	38.02
63007660	4/29/19	Pacific County Department	10200	200.00
63007661	4/29/19	Teledyne Advanced Pollution	10200	1,908.30
63007662	4/29/19	WACE	10200	80.00
Auto Transfer	4/29/19	Thurston County Treasurer's	10200	535.84
529387-529403	4/29/19	Salaries & Benefits	10200	160,234.61
Total				219,915.34



May 8, 2019

The Honorable Derek Kilmer
1520 Longworth House Office Building
Washington, DC 20515

Dear Representative Kilmer:

State and local clean air agencies carry out essential programs to reduce air pollution and protect public health. We appreciate the efforts of Congress in recent years to recognize this important work by averting budget cuts that would have been devastating for our programs. State and local air agencies require *additional* funding for our critical work, yet the Administration's FY 2020 EPA budget request calls for a 33 percent reduction in federal grants to state and local air pollution control agencies under Sections 103 and 105 of the Clean Air Act (CAA), for a total of \$152 million. Such cuts would profoundly harm our ability to carry out our important public health responsibilities.

As you know, the Olympic Region Clean Air Agency (ORCAA) works with the McKinley Paper Company in Port Angeles, as well as other vital employers in our jurisdiction. Our work with McKinley Paper Company involves their permit for operation and technical assistance working with the community. Federal 105 funds are needed to help defray costs not covered by their permit fee. Funding levels for federal EPA grants to state and local air quality agencies remain the same as they were 15 years ago in FY 2004 – \$228 million. If adjusted for inflation, level funding would translate to approximately \$310 million in today's dollars. We ask Congress to increase state and local air grants by \$82 million above FY 2018 levels (i.e., approximately \$158 million above the Administration's request), to bring us to that of total of \$310 million.

While our ambient air quality has improved, air pollution is still very much public health problem in this country. Each year it causes tens of thousands of premature deaths and millions of cases of adverse health impacts, including cancer and damage to respiratory, cardiovascular, neurological and reproductive systems.

Under the Clean Air Act, state and local air pollution control agencies have the primary responsibility for addressing air pollution problems. This includes monitoring, planning, modeling, compiling emission inventories, adopting regulations, analyzing data, inspecting facilities, and countless other tasks.

ORCAA, a local air agency in Washington state, has a monitoring site of national significance (NCORE) located at Cheeka Peak on the far northwestern point of the Olympic Peninsula. This site has statewide and national significance in air monitoring and provides important data concerning background air quality and climate change. Additional 103 federal funding would allow installation of CO₂ and black carbon monitors and replacement of aging equipment. An increase in 105 federal funding for ORCAA's 6 county region will provide resources for community-based outreach and education utilizing neighborhood sensors, as well as improving our current air quality monitoring network.

Federal grants for state and local air quality agencies have been inadequate for many years. Nationwide, federal grants support merely 25 percent of state and local air quality programs. Additional cuts of the magnitude proposed by the Administration would be devastating to our program and our ability to protect public health.

An increase in federal funding is critical. Please ensure that federal grants to state and local air quality agencies are increased at least to keep pace with inflation. Specifically, grants in the amount of \$310 million (\$158 million above the Administration's FY 2020 request) would constitute merely level funding from FY 2004 levels, adjusted for inflation. Thank you for any assistance you can offer.

If you have any or would like further information, please contact ORCAA Executive Director Fran McNair at (360) 539-7610.

Sincerely,

Jim Cooper, ORCAA Chair
On behalf of Olympic Region Clean Air Agency Board of Directors

cc: Chairs of Appropriations Committees
Chairs of Interior, Environment, and Independent Agencies Subcommittees

ORCAA's Board of Directors represents the six counties and three largest cities within the agency's jurisdiction. The ORCAA Directors are:

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May 8, 2019

The Honorable Patty Murray
154 Russell Senate Office Building
Washington, DC 20510

Dear Senator Murray:

State and local clean air agencies carry out essential programs to reduce air pollution and protect public health. We appreciate the efforts of Congress in recent years to recognize this important work by averting budget cuts to these agencies that would have been devastating for our programs. State and local air agencies require *additional* funding for our critical work. Yet the Administration's FY 2020 EPA budget request calls for a 33-percent reduction in federal grants to state and local air pollution control agencies under Sections 103 and 105 of the Clean Air Act (CAA), for a total of \$152 million. Such cuts would profoundly harm our ability to carry out our important public health responsibilities.

The Olympic Region Clean Air Agency (ORCAA) works with vital employers within our jurisdiction, as such the McKinley Paper Company in Port Angeles. Our work with McKinley Paper Company involves their permit for operation and technical assistance working with the community. Federal 105 funds are needed to help defray costs not covered by their permit fee.

Funding levels for federal EPA grants to state and local air quality agencies remain the same as they were 15 years ago in FY 2004 – \$228 million. If adjusted for inflation, level funding would translate to approximately \$310 million in today's dollars. We ask Congress to increase state and local air grants by \$82 million above FY 2018 levels (i.e., approximately \$158 million above the Administration's request), to bring us to that total of \$310 million.

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An increase in federal funding is critical. Please ensure that federal grants to state and local air quality agencies are increased at least to keep pace with inflation. Specifically, grants in the amount of \$310

million (\$158 million above the Administration's FY 2020 request) would constitute merely level funding from FY 2004 levels, adjusted for inflation. Thank you for any assistance you can offer.

If you have any or would like further information, please contact ORCAA Executive Director Fran McNair at (360) 539-7610.

Sincerely,

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On behalf of Olympic Region Clean Air Agency Board of Directors

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May 8, 2019

The Honorable Jaime Herrera Beutler
1130 Longworth House Office Building
Washington, DC 20515

Dear Representative Herrera Beutler:

State and local clean air agencies carry out essential programs to reduce air pollution and protect public health. We appreciate the efforts of Congress in recent years to recognize this important work by averting budget cuts to these agencies that would have been devastating for our programs. State and local air agencies require *additional* funding for our critical work. Yet the Administration's FY 2020 EPA budget request calls for a 33-percent reduction in federal grants to state and local air pollution control agencies under Sections 103 and 105 of the Clean Air Act (CAA), for a total of \$152 million. Such cuts would profoundly harm our ability to carry out our important public health responsibilities.

The Olympic Region Clean Air Agency (ORCAA) works with vital employers within our jurisdiction, as such the McKinley Paper Company in Port Angeles. Our work with McKinley Paper Company involves their permit for operation and technical assistance working with the community. Federal 105 funds are needed to help defray costs not covered by their permit fee.

Funding levels for federal EPA grants to state and local air quality agencies remain the same as they were 15 years ago in FY 2004 – \$228 million. If adjusted for inflation, level funding would translate to approximately \$310 million in today's dollars. We ask Congress to increase state and local air grants by \$82 million above FY 2018 levels (i.e., approximately \$158 million above the Administration's request), to bring us to that total of \$310 million.

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May 8, 2019

The Honorable Dennis Heck
425 Cannon House Office Building
Washington, DC 20515

Dear Representative Heck:

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BOARD OF DIRECTORS MEETING
May 8, 2019

SUBJECT: Summary of proposed changes to gas station regulations

STAFF CONTACT: Lauren Whybrew, Engineer I (360) 539-7610, ext. 107,
lauren.whybrew@orcaa.org

REQUESTED BOARD ACTION:	If appropriate, pass a motion to file the presented Regulation changes with the Code Reviser.
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STAFF RECOMMENDATION:	File the changes with the Code Reviser.
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DOCUMENTS ATTACHED: Summary of significant changes (page 2)

BUDGET IMPACT & SOURCE OF FUNDS: None

PRESENTERS AND OTHERS NOTIFIED: Lauren Whybrew, Engineer I

BACKGROUND: ORCAA regulates 284 gas stations, which is 36% of our minor sources. New and modified gas stations are typically required to submit a Notice of Construction (NOC) application. The primary reason for this update is to streamline permitting for this large source category. This proposed action will better serve the gas station industry as it more clearly outlines current requirements and standards for equipment, maintenance, self-inspections and testing. The proposed changes were prepared by staff. Staff wishes to proceed with adoption of the proposed regulations.

Summary of Significant Changes

- Moved from a permit system to a notification system to streamline the permitting process for qualifying gas stations. Gas stations will need to meet certain pre-requisites to qualify for the notification system in lieu of a permit
- Best Available Control Technology (BACT) will continue to be a requirement
- A Notice of Intent will need to be filed 15 days prior to commencing construction to allow for business assistance as needed
- Updated ORCAA's Rule 8.12 (Gasoline dispensing facilities) to incorporate applicable federal and state standards
- ORCAA's Rule 6.1 and 6.1.10 will be updated to align with changes in Rule 8.12
- The rule will clearly outline equipment, testing, self-inspection, and recordkeeping requirements, making it simpler for industry and station owners
- The rule will make ORCAA more consistent with other local clean air agencies in Washington

AMENDED SECTION

RULE 6.1 NOTICE OF CONSTRUCTION REQUIRED

~~(a)~~ Approval of a Notice of Construction (NOC) Application required. It shall be unlawful for any person to cause or allow the following actions unless a "Notice of Construction ~~(NOC)~~" application has been filed with and approved by the Agency, except for those actions involving stationary sources excluded under Rule 6.1(b) and (c):

- (1) Construction, installation, or establishment of any stationary source;
~~or~~
- ~~(2)~~ (2) Modification to any existing stationary source; or,
- ~~(2)(3)~~ (3) Replacement or substantial alteration of emission control technology installed on an existing stationary source.

~~(b)~~ Exemption provided Notice of Intent to Operate (NOI). An NOC application and prior approval by the Agency is not required prior to construction, installation, establishment or modification of ~~the following types of~~ stationary sources listed below, provided that if a complete "Notice of Intent to Operate" ~~has been~~ is filed with the Agency. ~~in accordance with~~ Procedures for submitting an NOI are contained in Rule 6.1.1:

- (1) Temporary Portable Stationary Sources. Temporary portable stationary sources that have been previously approved by Ecology or a local air pollution control authority in the State of Washington through an NOC application.
- (2) Stationary Sources based on Potential to Emit. Any stationary source that:
 - ~~(i)~~ (i) ~~Will not result in emission of any toxic air pollutants listed in WAC 173-460-150 (Class A Toxic Air Pollutants); and,~~
 - ~~(ii)~~ (i) Will have a combined uncontrolled potential to emit from all emission units less than:
 - (A) 0.5 tons per year of any criteria pollutant; and,
 - (B) 1.0 tons per year of total criteria pollutants and VOC combined; and,
 - (C) 0.005 tons per year of lead; and,
 - (D) ~~400 pounds per year of any~~ The de minimis emission rate specified for each ~~toxic air pollutant listed in WAC 173-460-1560 (Class B Toxic Air Pollutants);~~ and,
 - (E) 1.0 tons per year of ozone depleting substances combined.

- (3) Gasoline Dispensing Facilities (GDF). Construction or modification of a gasoline dispensing facility, or replacement or substantial alteration of vapor recovery systems, provided that:

- (i) The installed equipment is in accordance with the current California Air Resources Board (CARB) Executive Orders listed on the GDF Notification form effective at the time of the filing;
- (ii) The GDF is not part of a stationary source subject to the Air Operating Program (Rule 5);
- (iii) The GDF is not subject to any of the Stage II requirements in WAC 173-491-040(5); and
- (iv) The project does not involve the removal of a Stage II Vapor Recovery system.

(e) Categorical Exemptions. An NOC application and prior approval by the Agency is not required prior to construction, installation, establishment or modification of stationary sources in the following stationary source categories, provided that sufficient records are kept ~~to~~ documenting the exemption:

Maintenance/construction:

- (1) Cleaning and sweeping of streets and paved surfaces;
- (2) Concrete application, and installation;
- (3) Dredging wet spoils handling and placement;
- (4) Paving application and maintenance, excluding asphalt plants;
- (5) Plant maintenance and upkeep activities (grounds keeping, general repairs, routine housekeeping, routine plant painting, welding, cutting, brazing, soldering, plumbing, retarring roofs, etc.);
- (6) Plumbing installation and plumbing protective coating application associated with plant maintenance activities;
- (7) Roofing application;
- (8) Insulation application and maintenance, excluding products for resale;
- (9) Janitorial services and consumer use of janitorial products;
- (10) Asphalt laying equipment including asphalt-roofing operations (not including manufacturing or storage);
- (11) Blast cleaning equipment that uses a suspension of abrasive in liquid water;
- (12) Spray painting or blasting equipment used at temporary locations to clean or paint bridges, water towers, buildings, or similar structures.

Storage Tanks:

- (13) Lubricating oil storage tanks except those facilities that are wholesale or retail distributors of lubricating oils;

- (14) Polymer tanks and storage devices and associated pumping and handling equipment, used for solids dewatering and flocculation;
- (15) Storage tanks, reservoirs, pumping and handling equipment of any size containing soaps, vegetable oil, grease, animal fat, and nonvolatile aqueous salt solutions;
- (16) Process and ~~white-white~~-water storage tanks;
- ~~(17)~~ Storage tanks and storage vessels, with lids or other appropriate closure and less than ~~260-260~~-gallon capacity (35 cft);
- ~~(18)~~ Gasoline storage tanks less than 2,000 gallons storage capacity;
- ~~(17)(19)~~ Gasoline dispensing facilities with a cumulative gasoline storage capacity of less than 10,000 gallons;
- ~~(18)(20)~~ Storage tanks of a capacity of 10,000 gallons or less, with lids or other appropriate closure, and for the storage of materials containing organic compounds, but not for use with materials containing toxic air pollutants (as defined in chapter 173-460 WAC);
- ~~(19)(21)~~ Storage tanks of a capacity of 40,000 gallons or less, with lids or other appropriate closure, used for the storage of organic compounds, but not for use with materials containing toxic air pollutants (as defined in chapter 173-460 WAC), with a true vapor pressure less than 0.01 kPa (0.002 psia) (0.0001 atm);
- ~~(20)(22)~~ Storage tanks of a capacity of 40,000 gallons or less used for the storage of butane, propane, or liquefied petroleum gas;
- ~~(21)(23)~~ Tanks, vessels and pumping equipment, with lids or other appropriate closure for storage or dispensing of aqueous solutions of inorganic salts, bases and acids.
- ~~(22)(24)~~ Storage tanks used exclusively for storage of diesel fuel;
- ~~(23)(25)~~ Loading and unloading equipment used exclusively for the storage tanks exempted under this rule.

Combustion:

- ~~(24)(26)~~ Fuel burning equipment (not including incinerators) that:
- (i) is used solely for a private dwelling serving five families or less; or
 - (ii) has a maximum heat input rate of 5 MMBtu/hr or less if burning natural gas, propane, or LPG; or
 - (iii) has a maximum heat input rate of 0.5 MMBtu/hr or less if burning waste-derived fuels; or
 - (iv) has a maximum heat input rate of 1 MMBtu/hr or less if burning recycled or used oil per the requirements of RCW 70.94.610; or
 - (v) has a maximum heat input rate of 1 MMBtu/hr or less if burning any other type of fuel and with less than or equal to 0.05% sulfur by weight.

~~(25)~~~~(27)~~ All stationary gas turbines with a rated heat input <10 million Btu per hour.

~~(26)~~~~(28)~~ Stationary internal combustion engines having rated capacity:

- (i) <50 horsepower output; or
- (ii) <500 horsepower and used only for standby emergency power generation.

~~(27)~~~~(29)~~ All nonroad engines subject to 40 CFR Part 89.

Material handling:

~~(28)~~~~(30)~~ Storage and handling of ~~water-water~~-based lubricants for metal working where organic content of the lubricant is <10%;

~~(29)~~~~(31)~~ Equipment used exclusively to pump, load, unload, or store high boiling point organic material in tanks less than one million gallons, material with initial atmospheric boiling point not less than 150°C or vapor pressure not more than 5 mm Hg @ 21°C, with lids or other appropriate closure.

Water treatment:

~~(30)~~~~(32)~~ Septic sewer systems, not including active wastewater treatment facilities;

~~(31)~~~~(33)~~ NPDES permitted ponds and lagoons used solely for ~~the purpose of~~ settling and suspended solids and skimming of oil and grease;

~~(32)~~~~(34)~~ De-aeration (oxygen scavenging) of water where toxic air pollutants as defined in chapter 173-460 WAC are not emitted;

~~(33)~~~~(35)~~ Process water filtration system and demineralizer vents;

~~(34)~~~~(36)~~ Sewer manholes, junction boxes, sumps and lift stations associated with wastewater treatment systems;

~~(35)~~~~(37)~~ Demineralizer tanks;

~~(36)~~~~(38)~~ Alum tanks;

~~(37)~~~~(39)~~ Clean water condensate tanks;

~~(38)~~~~(40)~~ Oil/water separators, except those at petroleum refineries;

~~(39)~~~~(41)~~ Equipment used exclusively to generate ozone and associated ozone destruction equipment for the treatment of cooling tower water or for water treatment processes.

~~(40)~~~~(42)~~ Municipal sewer systems, including wastewater treatment plants and lagoons with a design capacity of one million gallons per day or less, provided that they do not use anaerobic digesters, chlorine disinfections or sewage sludge incinerators.

Environmental chambers and laboratory equipment:

~~(41)~~~~(43)~~ Environmental chambers and humidity chambers not using toxic air pollutant gases, as regulated under chapter 173-460 WAC;

- ~~(42)~~~~(44)~~ Gas cabinets using only gases that are not toxic air pollutants regulated under chapter 173-460 WAC;
- ~~(43)~~~~(45)~~ Installation or modification of a single laboratory fume hood;
- ~~(44)~~~~(46)~~ Laboratory calibration and maintenance equipment.

Monitoring/quality assurance/testing:

- ~~(45)~~~~(47)~~ Equipment and instrumentation used for quality control/assurance or inspection purposes;
- ~~(46)~~~~(48)~~ Hydraulic and hydrostatic testing equipment;
- ~~(47)~~~~(49)~~ Sample gathering, preparation and management;
- ~~(48)~~~~(50)~~ Vents from continuous emission monitors and other analyzers.

Miscellaneous:

- ~~(49)~~~~(51)~~ Single-family residences and duplexes;
- ~~(50)~~~~(52)~~ Plastic pipe welding;
- ~~(51)~~~~(53)~~ Primary agricultural production activities including soil preparation, planting, fertilizing, weed and pest control, and harvesting;
- ~~(52)~~~~(54)~~ Insecticide, pesticide, or fertilizer spray equipment;
- ~~(53)~~~~(55)~~ Comfort air conditioning;
- ~~(54)~~~~(56)~~ Flares used to indicate danger to the public;
- ~~(55)~~~~(57)~~ Natural and forced air vents and stacks for bathroom/toilet activities;
- ~~(56)~~~~(58)~~ Personal care activities including establishments like beauty salons, beauty schools, and hair cutting establishments;
- ~~(57)~~~~(59)~~ Recreational fireplaces including the use of barbecues, campfires, and ceremonial fires;
- ~~(58)~~~~(60)~~ Tobacco smoking rooms and areas;
- ~~(59)~~~~(61)~~ Noncommercial smokehouses;
- ~~(60)~~~~(62)~~ Blacksmith forges for single forges;
- ~~(61)~~~~(63)~~ Vehicle maintenance activities, not including vehicle surface coating;
- ~~(62)~~~~(64)~~ Vehicle or equipment washing;
- ~~(63)~~~~(65)~~ Wax application;
- ~~(64)~~~~(66)~~ Oxygen, nitrogen, or rare gas extraction and liquefaction equipment not including internal and external combustion equipment;
- ~~(65)~~~~(67)~~ Ozone generators and ozonation equipment;
- ~~(66)~~~~(68)~~ Ultraviolet curing processes, to the extent that toxic air pollutant gases as defined in chapter 173-460 WAC are not emitted;
- ~~(67)~~~~(69)~~ Electrical circuit breakers, transformers, or switching equipment installation or operation;
- ~~(68)~~~~(70)~~ Pneumatically operated equipment, including tools and ~~hand~~ hand-held applicator equipment for hot melt adhesives;

- ~~(69)~~(71) Fire-fighting and similar safety equipment and equipment used to train fire fighters;
- ~~(70)~~(72) Production of foundry sand molds, unheated and using binders less than 0.25% free phenol by sand weight;
- ~~(71)~~(73) Natural gas pressure regulator vents, excluding venting at oil and gas production facilities and transportation marketing facilities;
- ~~(72)~~(74) Solvent cleaners less than 10 square feet air-vapor interface with solvent vapor pressure not more than 30 mm HG @21°C, and not containing toxic air pollutants (as defined in chapter 173-460 WAC);
- ~~(73)~~(75) Surface coating, aqueous solution or suspension containing <1% (by weight) VOCs, and/or toxic air pollutants as defined in chapter 173-460 WAC;
- ~~(74)~~(76) Cleaning and stripping activities and equipment using solutions having <1% VOCs (by weight); on metallic substances, acid solutions are not exempt;
- ~~(75)~~(77) Dip coating operations, using materials less than 1% VOCs (by weight) and/or toxic air pollutants as defined in chapter 173-460 WAC.
- ~~(76)~~(78) Laundry dryers, extractors or tumblers used exclusively for the removal of water from fabric;
- ~~(77)~~(79) Residential composting facilities;
- ~~(78)~~(80) Restaurants and other retail food preparing establishments;
- ~~(79)~~(81) Routing, turning, carving, cutting and drilling equipment used for metal, wood, plastics, rubber, leather or ceramics;
- ~~(80)~~(82) Steam cleaning equipment used exclusively for that purpose;
- ~~(81)~~(83) Vacuum cleaning systems used exclusively for office or residential housekeeping;
- ~~(82)~~(84) Vacuum producing devices used in laboratory operations and vacuum producing devices that do not remove or convey air contaminants from or to another source;
- ~~(83)~~(85) Vents used exclusively for:
- (i) Sanitary or storm drainage systems; or
 - (ii) Safety valves
- ~~(84)~~(86) Washing or drying equipment used for products fabricated from metal or glass, if no volatile organic material is used in the process.
- ~~(85)~~(87) Welding, brazing or soldering equipment;
- ~~(86)~~(88) Coffee roasters with a design capacity less than 10 pounds per batch;
- ~~(87)~~(89) Bark and soil screening operations;
- ~~(88)~~(90) Portable sand and gravel plants and crushed stone plants with a cumulative rated capacity of all initial crushers less than or equal to 150 tons per hour;

~~(89)~~(91) Fixed sand and gravel plants and crushed stone plants with a cumulative rated capacity of all initial crushers less than or equal to 25 tons per hour.

AMENDED SECTION

Rule 6.1.10 Requirements for Replacement or Substantial Alteration of Emission Control Technology at an Existing Stationary Source

- (a) Any person proposing to replace or substantially alter the emission control technology installed on an existing stationary source shall file a Notice of Construction (NOC) application with the Agency. Replacement or substantial alteration of control technology does not include routine maintenance, repair or similar parts replacement.
- (b) For projects not otherwise reviewable under Rule 6.1(a)(1) or Rule 6.1(a)(2), the Agency may:
 - (1) Require that the owner or operator employ RACT on the affected stationary source;
 - (2) Prescribe reasonable operation and maintenance conditions for the control equipment; and,
 - (3) Prescribe other requirements as authorized by chapter 70.94 RCW.
- (c) Within ~~thirty-30~~ days ~~or of~~ receipt of a Notice of Construction application under this rule the Agency shall either notify the applicant in writing that the application is complete or notify the applicant in writing of all additional information necessary to complete the application. Within ~~thirty-30~~ days of receipt of a complete NOC application under this rule the Agency shall either issue an order of approval or a proposed RACT determination for the proposed project.
- (d) Construction shall not "commence" on a project subject to review under this rule until the Agency issues a final order of approval. However, any NOC application filed under this rule shall be deemed to be approved without conditions if the Agency takes no action within ~~thirty-30~~ days of receipt of a complete NOC application.
- (e) Approval to replace or substantially alter emission control technology shall become invalid if construction is not commenced within ~~eighteen-18~~ months after receipt of such approval, if construction is discontinued for a period of ~~eighteen-18~~ months or more, or if construction is not completed within a reasonable time. The Agency may extend the ~~eighteen-18~~-month period upon satisfactory showing that an extension is justified. This provision does not apply to the ~~time~~-period between construction of the approved phases of a phased construction project; each phase must commence construction within ~~eighteen-18~~ months of the projected and approved commencement date.

AMENDED SECTION

RULE 8.12 GASOLINE STATIONS — ~~APPLICABILITY~~ DISPENSING FACILITIES

This regulation ~~shall apply~~ applies to all gasoline dispensing facilities ~~that distribute gasoline, including automotive, aviation, and marine uses.~~

Rule 8.12.1 Definitions

Unless a different meaning is clearly required by context, the following words and phrases, as used in this Rule, shall have the following meanings:

~~“Bottom Loading” means the filling of a tank through a line entering the bottom of the tank.~~

~~“Bulk Gasoline Plant” means a gasoline storage and transfer facility that receives more than ninety percent of its annual gasoline throughput by transport tank and reloads gasoline into transport tanks.~~

“CARB” means California Air Resources Board.

“CARB Certified” means a vapor recovery system, equipment, or any component thereof, for which the California Air Resources Board (CARB) has evaluated its performance and issued an Executive Order.

“CARB Executive Order” means a document issued by the Executive Officer of the CARB California Air Resources Board that specified the requirements for specific vapor control equipment and the procedures used in installing, maintaining, inspecting, or testing vapor recovery systems.

“Enhanced Vapor Recovery (EVR)” means performance standards and specifications set forth in the CARB CP 201 (Certification Procedure for Vapor Recovery Systems at gasoline dispensing facilities) Sections 3 through 9.

“Gasoline” means a petroleum distillate, which is a liquid at standard conditions and has a true vapor pressure greater than four pounds per square inch absolute at ~~twenty 20°degrees Celsius~~, and is used as a fuel for internal combustion engines. ~~Also a~~ Any liquid sold as a vehicle fuel with a true vapor pressure greater than four pounds per square inch absolute at ~~twenty degrees 20° Celsius shall be~~ is considered ‘gasoline’ for purpose of this regulation.

“Gasoline Dispensing Facility” means any site dispensing gasoline ~~into motor vehicle fuel tanks~~ from stationary storage tanks including facilities dispensing gasoline for automotive, aviation, and marine uses.

~~“Gasoline Loading Terminal” means a gasoline transfer facility that receives more than ten percent of its annual gasoline throughput solely or in combination by pipeline, ship or barge, and loads gasoline into transport tanks.~~

~~“Motor Vehicle” means any mode of travel utilizing gasoline as energy to provide locomotion.~~

~~“New Gasoline Dispensing Facility” means the construction of a gasoline dispensing facility on a site that has not had an active gasoline dispensing facility within the past five years.~~

“Stage I” means gasoline vapor recovery during all gasoline marketing transfer operations except motor vehicle refueling.

“Stage II” means gasoline vapor recovery during motor vehicle refueling operations from stationary tanks.

“Submerged Fill Line” means any discharge pipe or nozzle designed to be within 6 inches of the bottom of the tank and submerged at all times. ~~which meet either of the following conditions:~~

- ~~(a) — Where the tank is filled from the top, the end of the discharge pipe or nozzle must be totally submerged when the liquid level is six inches from the bottom of the tank, or;~~
- ~~(b) — Where the tank is filled from the side, the discharge pipe or nozzle must be totally submerged when the liquid level is six inches from the bottom of the tank.~~

“Throughput” means the amount of gasoline ~~material~~ passing through a facility.

“Transport Tank” means a container used for shipping gasoline over roadways.

~~“True Vapor Pressure” means the equilibrium partial pressure of petroleum liquid as determined by methods described in American Petroleum Institute Bulletin 2517, 1980.~~

~~“Upgrade” means the modification of a gasoline storage tank or piping to add cathodic protection, tank lining or spill and overfill protection that involved removal of ground or ground cover above a portion of the product piping.~~

~~“Vapor Balance System” means a system consisting of the transport tank, gasoline vapor transfer lines, storage tank, and all tank vents designed to route displaced gasoline vapors from a tank being filled with liquid gasoline.~~

“Vapor Control-Recovery System” means equipment that a system designed and operated to reduce or limit the emissions of gasoline vapors volatile organic compounds into the ambient air, which is designed according to WAC 173-491.

Rule 8.12.2 General Requirements

- (a) All gasoline storage tanks with a capacity greater than 2,000 gallons shall be equipped with submerged fill lines when upgraded, but no later than December 31, 1998 dispensing facilities with gasoline storage tanks, regardless of size shall:
 - (1) Not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Measures to be taken include, but are not limited to, the following:
 - (i) Minimize gasoline spills;
 - (ii) Clean up spills as soon as practicable;
 - (iii) Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use; and
 - (iv) Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators.
- (b) Gasoline storage tanks with a capacity of 2,000 gallons or more shall be equipped with submerged fill lines.
- (c) Gasoline dispensing facilities may be subject to registration per Rule 4.1.
- (d) Gasoline dispensing facilities may be subject to Notice of Construction requirements per Rule 6.1.

Rule 8.12.3 Vapor Recovery ~~Stage I~~ Requirements

Stage I vapor recovery is required for all gasoline dispensing facilities as follows:

- (a) CARB Certified. The facilities that have an annual throughput greater than 360,000 gallons of gasoline shall have Stage I Enhanced Vapor Recovery (EVR) by December 31, 1993 or when upgraded, whichever is sooner, or equivalent equipment as approved by the Agency, is required for any new or upgraded gasoline storage tank with a storage capacity of 2,000 gallons or more and located at a gasoline dispensing facility with a cumulative gasoline storage capacity of 10,000 gallons or more. Upgrading means replacing a gasoline storage tank, or substantially altering any component of the Stage I vapor recovery system. Prior to commencing construction, modifications, or upgrades, gasoline dispensing facilities must comply with the applicable requirements in Rule 6.1.
- (b) Nothing in Rule 8.12 precludes the Agency from requiring installation of a Stage II vapor recovery system in conjunction with approval of a Notice of Construction application if Stage II vapor recovery is necessary to assure compliance with applicable air regulations and standards. The facilities that

have an annual throughput greater than 100,000, but less than or equal to 360,000 gallons of gasoline shall have Stage I vapor recovery by December 31, 1998 or when upgraded, whichever is sooner.

- (e) ~~Terminals and bulk plants that deliver gasoline to any facility equipped with Stage I vapor recovery shall be equipped with a vapor control system prior to December 31, 1998.~~
- (d) ~~Terminals and bulk plants with an annual throughput greater than 7,200,000 gallons per year shall be equipped with a vapor control system prior to December 31, 1993.~~

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Rule 8.12.4 ~~Vapor Recovery Stage II~~ Testing Requirements

- (a) ~~Stage II vapor recovery is required at a gasoline dispensing facility supplying fuel to the general public under the following circumstances: The owner or operator of a gasoline dispensing facility with a cumulative storage capacity of 10,000 gallons or more and equipped with Stage I EVR must conduct the following performance tests:~~
 - (1) ~~Any facility that dispenses in excess of one million two hundred thousand gallons (1,200,000) of gasoline per year and is located in Thurston County. This requirement will end on December 31, 2002, unless the Department of Ecology determines that Stage II is important to achieving or maintaining the National Ambient Air Quality Standard for Ozone in a nonattainment or maintenance plan county. Initial performance testing shall be completed, for all performance tests listed in Table 1, after initial installation and prior to the facility dispensing fuel commercially; and,~~
 - (2) ~~Subsequent testing shall be conducted according to the schedule in Table 1.~~
- (b) The owner or operator of a gasoline dispensing facility with a cumulative gasoline storage capacity of 10,000 gallons or more that is equipped with Stage I, but not equipped with Stage I EVR, shall conduct the appropriate Static Pressure Performance of Vapor Recovery Systems test in Table 1 at least once every 13 months.
- (c) Tests shall be conducted in accordance with the CARB test procedure specified, or CARB-approved equivalent test procedures.
- (d) Tests shall be performed by a third-party independent testing company trained in the testing methods.
- (e) In the event of a failed performance test, the owner or operator shall correct the cause of the failure in accordance with Rule 8.12.5(c) and retest within 30 days of the date of the failed test.
- (f) The owner or operator shall report to the Agency the results of all required performance testing within 30 days of the test date.

Table 1: Performance Testing

<u>A</u>	<u>An owner/operator of a facility with underground storage tanks shall conduct the following tests...</u>	<u>After the initial testing, the owner/operator shall conduct the subsequent tests...</u>
	<u>A1. TP-201.3 – Static Pressure Performance of Vapor Recovery Systems</u>	<u>at least once every 13 months</u>
	<u>A2. TP-201.1E – Leak Rate and Cracking Pressure of P/V Vent Valves</u>	<u>at least once every 37 months</u>
	<u>A3. TP-201.3C – Determination of Vapor Piping Connection to Underground Gasoline Storage Tanks (Tie-Tank Test)</u>	
	<u>A4. TP-201.1B – Static Torque of Rotatable Stage I Adaptors</u>	<u>at least once every 13 months</u>
	<u>A5. TP-201.1C or TP-201.1D¹ – Leak Rate of Drop Tube/Drain Valve Assembly or Leak Rate of Drop Tube/Overfill Prevention Device</u>	<u>at least once every 13 months</u>
<u>B</u>	<u>An owner/operator with aboveground storage tanks shall conduct the following tests...</u>	<u>After the initial testing, the owner/operator shall conduct the subsequent tests...</u>
	<u>B1. TP-206.3 or TP-201.3B² – Static Pressure Performance of Vapor Recovery Systems</u>	<u>at least once every 13 months</u>
	<u>B2. TP-201.1B – Static Torque of Rotatable Stage I Adaptors³</u>	<u>at least once every 13 months</u>
	<u>B3. TP-201.1E – Leak Rate and Cracking Pressure of P/V Vent Valves</u>	<u>at least once every 37 months</u>

¹ TP-201.1C has no overfill prevention device and TP-201.1D is required for drop tubes with overfill prevention

² TP-206.3 is required for aboveground storage tanks equipped with Stage I EVR

³ TP-201.1B only required for aboveground storage tanks equipped with Rotatable Stage I Adaptors

Rule 8.12.5 ~~New Gasoline Dispensing Facilities~~ Self-Inspection Requirements

~~Nothing in Rule 8.12.4 shall preclude the Agency from requiring Stage II vapor recovery if it is determined to be BACT for control of air toxics or for the protection of human health and safety.~~

- (a) The owner or operator of a gasoline dispensing facility shall complete self-inspections of the vapor recovery system. The inspection must occur at least once a week, or after each gasoline delivery, whichever is less frequent. At a minimum, the following items shall be inspected:
 - (1) All adaptors shall be equipped with vapor-tight caps;
 - (2) All fill and vapor recovery wells or boxes shall be free of liquid gasoline;
 - (3) All gasoline storage tank fill-pipes shall have gasketed seals in good working condition;
 - (4) All caps shall have gasketed seals in good working condition; and,
 - (5) Vapor recovery adaptors on the storage tanks shall seal upon disconnect.
- (b) The dates and results of the self-inspections shall be recorded.
- (c) No later than 15 days after discovery, the owner or operator shall take corrective actions to repair, replace or adjust defective equipment found during any of the following events:
 - (1) Performance tests;
 - (2) Routine maintenance checks;
 - (3) Self-inspections; or,
 - (4) Agency compliance inspections.

Rule 8.12.6 Recordkeeping Requirements

- (a) The following records shall be maintained on site for no less than five years from origination, and copies made available to the Agency upon request:
 - (1) Records of all maintenance and repair activities;
 - (2) Records of all self-inspections conducted per Rule 8.12.5;
 - (3) Records of all performance tests required by Rule 8.12.4; and,
 - (4) Monthly gasoline throughput records.
- (b) The following records shall be maintained on site for the life of the gasoline dispensing facility or the associated equipment, whichever is earlier:
 - (1) Any determinations issued by the Agency per Rule 6.1;
 - (2) Any GDF Notice of Intent to Operate submitted to the Agency per Rule 6.1(b)(3).

AMENDED SECTION

RULE 6.1 NOTICE OF CONSTRUCTION REQUIRED

(a) Approval of a Notice of Construction (NOC) Application required. It shall be unlawful for any person to cause or allow the following actions unless a Notice of Construction application has been filed with and approved by the Agency, except for those actions involving stationary sources excluded under Rule 6.1(b) and (c):

- (1) Construction, installation, or establishment of any stationary source; or
- (2) Modification to any existing stationary source; or,
- (3) Replacement or substantial alteration of emission control technology installed on an existing stationary source.

(b) Exemption provided Notice of Intent to Operate (NOI). An NOC application and prior approval by the Agency is not required prior to construction, installation, establishment or modification of stationary sources listed below, if a complete Notice of Intent to Operate is filed with the Agency. Procedures for submitting an NOI are contained in Rule 6.1.1:

- (1) Temporary Portable Stationary Sources. Temporary portable stationary sources that have been previously approved by Ecology or a local air pollution control authority in the State of Washington through an NOC application.
- (2) Stationary Sources based on Potential to Emit. Any stationary source that:
 - (i) Will have a combined uncontrolled potential to emit from all emission units less than:
 - (A) 0.5 tons per year of any criteria pollutant; and,
 - (B) 1.0 tons per year of total criteria pollutants and VOC combined; and,
 - (C) 0.005 tons per year of lead; and,
 - (D) The de minimis emission rate specified for each Toxic Air Pollutant in WAC 173-460-150; and,
 - (E) 1.0 tons per year of ozone depleting substances combined.
- (3) Gasoline Dispensing Facilities (GDF). Construction or modification of a gasoline dispensing facility, or replacement or substantial alteration of vapor recovery systems, provided that:

- (i) The installed equipment is in accordance with the current California Air Resources Board (CARB) Executive Orders listed on the GDF Notification form effective at the time of the filing;
- (ii) The GDF is not part of a stationary source subject to the Air Operating Program (Rule 5);
- (iii) The GDF is not subject to any of the Stage II requirements in WAC 173-491-040(5); and
- (iv) The project does not involve the removal of a Stage II Vapor Recovery system.

(c) Categorical Exemptions. An NOC application and prior approval by the Agency is not required prior to construction, installation, establishment or modification of stationary sources in the following stationary source categories, if sufficient records are kept documenting the exemption:

Maintenance/construction:

- (1) Cleaning and sweeping of streets and paved surfaces;
- (2) Concrete application, and installation;
- (3) Dredging wet spoils handling and placement;
- (4) Paving application and maintenance, excluding asphalt plants;
- (5) Plant maintenance and upkeep activities (grounds keeping, general repairs, routine housekeeping, routine plant painting, welding, cutting, brazing, soldering, plumbing, retarring roofs, etc.);
- (6) Plumbing installation and plumbing protective coating application associated with plant maintenance activities;
- (7) Roofing application;
- (8) Insulation application and maintenance, excluding products for resale;
- (9) Janitorial services and consumer use of janitorial products;
- (10) Asphalt laying equipment including asphalt-roofing operations (not including manufacturing or storage);
- (11) Blast cleaning equipment that uses a suspension of abrasive in liquid water;
- (12) Spray painting or blasting equipment used at temporary locations to clean or paint bridges, water towers, buildings, or similar structures.

Storage Tanks:

- (13) Lubricating oil storage tanks except those facilities that are wholesale or retail distributors of lubricating oils;
- (14) Polymer tanks and storage devices and associated pumping and handling equipment, used for solids dewatering and flocculation;
- (15) Storage tanks, reservoirs, pumping and handling equipment of any size containing soaps, vegetable oil, grease, animal fat, and nonvolatile aqueous salt solutions;
- (16) Process and white-water storage tanks;

- (17) Storage tanks and storage vessels, with lids or other appropriate closure and less than 260-gallon capacity (35 cft);
- (18) Gasoline storage tanks less than 2,000 gallons storage capacity;
- (19) Gasoline dispensing facilities with a cumulative gasoline storage capacity of less than 10,000 gallons;
- (20) Storage tanks of a capacity of 10,000 gallons or less, with lids or other appropriate closure, and for the storage of materials containing organic compounds, but not for use with materials containing toxic air pollutants (as defined in chapter 173-460 WAC);
- (21) Storage tanks of a capacity of 40,000 gallons or less, with lids or other appropriate closure, used for the storage of organic compounds, but not for use with materials containing toxic air pollutants (as defined in chapter 173-460 WAC), with a true vapor pressure less than 0.01 kPa (0.002 psia) (0.0001 atm);
- (22) Storage tanks of a capacity of 40,000 gallons or less used for the storage of butane, propane, or liquefied petroleum gas;
- (23) Tanks, vessels and pumping equipment, with lids or other appropriate closure for storage or dispensing of aqueous solutions of inorganic salts, bases and acids.
- (24) Storage tanks used exclusively for storage of diesel fuel;
- (25) Loading and unloading equipment used exclusively for the storage tanks exempted under this rule.

Combustion:

- (26) Fuel burning equipment (not including incinerators) that:
 - (i) is used solely for a private dwelling serving five families or less; or
 - (ii) has a maximum heat input rate of 5 MMBtu/hr or less if burning natural gas, propane, or LPG; or
 - (iii) has a maximum heat input rate of 0.5 MMBtu/hr or less if burning waste-derived fuels; or
 - (iv) has a maximum heat input rate of 1 MMBtu/hr or less if burning recycled or used oil per the requirements of RCW 70.94.610; or
 - (v) has a maximum heat input rate of 1 MMBtu/hr or less if burning any other type of fuel and with less than or equal to 0.05% sulfur by weight.
- (27) All stationary gas turbines with a rated heat input <10 million Btu per hour.
- (28) Stationary internal combustion engines having rated capacity:
 - (i) <50 horsepower output; or
 - (ii) <500 horsepower and used only for standby emergency power generation.

- (29) All nonroad engines subject to 40 CFR Part 89.

Material handling:

- (30) Storage and handling of water-based lubricants for metal working where organic content of the lubricant is <10%;
- (31) Equipment used exclusively to pump, load, unload, or store high boiling point organic material in tanks less than one million gallons, material with initial atmospheric boiling point not less than 150°C or vapor pressure not more than 5 mm Hg @ 21°C, with lids or other appropriate closure.

Water treatment:

- (32) Septic sewer systems, not including active wastewater treatment facilities;
- (33) NPDES permitted ponds and lagoons used solely for settling and suspended solids and skimming of oil and grease;
- (34) De-aeration (oxygen scavenging) of water where toxic air pollutants as defined in chapter 173-460 WAC are not emitted;
- (35) Process water filtration system and demineralizer vents;
- (36) Sewer manholes, junction boxes, sumps and lift stations associated with wastewater treatment systems;
- (37) Demineralizer tanks;
- (38) Alum tanks;
- (39) Clean water condensate tanks;
- (40) Oil/water separators, except those at petroleum refineries;
- (41) Equipment used exclusively to generate ozone and associated ozone destruction equipment for the treatment of cooling tower water or for water treatment processes.
- (42) Municipal sewer systems, including wastewater treatment plants and lagoons with a design capacity of one million gallons per day or less, provided that they do not use anaerobic digesters, chlorine disinfections or sewage sludge incinerators.

Environmental chambers and laboratory equipment:

- (43) Environmental chambers and humidity chambers not using toxic air pollutant gases, as regulated under chapter 173-460 WAC;
- (44) Gas cabinets using only gases that are not toxic air pollutants regulated under chapter 173-460 WAC;
- (45) Installation or modification of a single laboratory fume hood;
- (46) Laboratory calibration and maintenance equipment.

Monitoring/quality assurance/testing:

- (47) Equipment and instrumentation used for quality control/assurance or inspection purposes;
- (48) Hydraulic and hydrostatic testing equipment;

- (49) Sample gathering, preparation and management;
- (50) Vents from continuous emission monitors and other analyzers.

Miscellaneous:

- (51) Single-family residences and duplexes;
- (52) Plastic pipe welding;
- (53) Primary agricultural production activities including soil preparation, planting, fertilizing, weed and pest control, and harvesting;
- (54) Insecticide, pesticide, or fertilizer spray equipment;
- (55) Comfort air conditioning;
- (56) Flares used to indicate danger to the public;
- (57) Natural and forced air vents and stacks for bathroom/toilet activities;
- (58) Personal care activities including establishments like beauty salons, beauty schools, and hair cutting establishments;
- (59) Recreational fireplaces including the use of barbecues, campfires, and ceremonial fires;
- (60) Tobacco smoking rooms and areas;
- (61) Noncommercial smokehouses;
- (62) Blacksmith forges for single forges;
- (63) Vehicle maintenance activities, not including vehicle surface coating;
- (64) Vehicle or equipment washing;
- (65) Wax application;
- (66) Oxygen, nitrogen, or rare gas extraction and liquefaction equipment not including internal and external combustion equipment;
- (67) Ozone generators and ozonation equipment;
- (68) Ultraviolet curing processes, to the extent that toxic air pollutant gases as defined in chapter 173-460 WAC are not emitted;
- (69) Electrical circuit breakers, transformers, or switching equipment installation or operation;
- (70) Pneumatically operated equipment, including tools and hand-held applicator equipment for hot melt adhesives;
- (71) Firefighting and similar safety equipment and equipment used to train fire fighters;
- (72) Production of foundry sand molds, unheated and using binders less than 0.25% free phenol by sand weight;
- (73) Natural gas pressure regulator vents, excluding venting at oil and gas production facilities and transportation marketing facilities;
- (74) Solvent cleaners less than 10 square feet air-vapor interface with solvent vapor pressure not more than 30 mm HG @21°C, and not containing toxic air pollutants (as defined in chapter 173-460 WAC);
- (75) Surface coating, aqueous solution or suspension containing <1% (by weight) VOCs, and/or toxic air pollutants as defined in chapter 173-460 WAC;

- (76) Cleaning and stripping activities and equipment using solutions having <1% VOCs (by weight); on metallic substances, acid solutions are not exempt;
- (77) Dip coating operations, using materials less than 1% VOCs (by weight) and/or toxic air pollutants as defined in chapter 173-460 WAC.
- (78) Laundry dryers, extractors or tumblers used exclusively for the removal of water from fabric;
- (79) Residential composting facilities;
- (80) Restaurants and other retail food preparing establishments;
- (81) Routing, turning, carving, cutting and drilling equipment used for metal, wood, plastics, rubber, leather or ceramics;
- (82) Steam cleaning equipment used exclusively for that purpose;
- (83) Vacuum cleaning systems used exclusively for office or residential housekeeping;
- (84) Vacuum producing devices used in laboratory operations and vacuum producing devices that do not remove or convey air contaminants from or to another source;
- (85) Vents used exclusively for:
 - (i) Sanitary or storm drainage systems; or
 - (ii) Safety valves
- (86) Washing or drying equipment used for products fabricated from metal or glass, if no volatile organic material is used in the process.
- (87) Welding, brazing or soldering equipment;
- (88) Coffee roasters with a design capacity less than 10 pounds per batch;
- (89) Bark and soil screening operations;
- (90) Portable sand and gravel plants and crushed stone plants with a cumulative rated capacity of all initial crushers less than or equal to 150 tons per hour;
- (91) Fixed sand and gravel plants and crushed stone plants with a cumulative rated capacity of all initial crushers less than or equal to 25 tons per hour.

AMENDED SECTION

Rule 6.1.10 Requirements for Replacement or Substantial Alteration of Emission Control Technology at an Existing Stationary Source

- (a) Any person proposing to replace or substantially alter the emission control technology installed on an existing stationary source shall file a Notice of Construction (NOC) application with the Agency. Replacement or substantial alteration of control technology does not include routine maintenance, repair or similar parts replacement.
- (b) For projects not otherwise reviewable under Rule 6.1(a)(1) or Rule 6.1(a)(2), the Agency may:
 - (1) Require that the owner or operator employ RACT on the affected stationary source;
 - (2) Prescribe reasonable operation and maintenance conditions for the control equipment; and,
 - (3) Prescribe other requirements as authorized by chapter 70.94 RCW.
- (c) Within 30 days of receipt of a Notice of Construction application under this rule the Agency shall either notify the applicant in writing that the application is complete or notify the applicant in writing of all additional information necessary to complete the application. Within 30 days of receipt of a complete NOC application under this rule the Agency shall either issue an order of approval or a proposed RACT determination for the proposed project.
- (d) Construction shall not commence on a project subject to review under this rule until the Agency issues a final order of approval. However, any NOC application filed under this rule shall be deemed to be approved without conditions if the Agency takes no action within 30 days of receipt of a complete NOC application.
- (e) Approval to replace or substantially alter emission control technology shall become invalid if construction is not commenced within 18 months after receipt of such approval, if construction is discontinued for a period of 18 months or more, or if construction is not completed within a reasonable time. The Agency may extend the 18-month period upon satisfactory showing that an extension is justified. This provision does not apply to the period between construction of the approved phases of a phased construction project; each phase must commence construction within 18 months of the projected and approved commencement date.

AMENDED SECTION

RULE 8.12 GASOLINE –DISPENSING FACILITIES

This regulation applies to all gasoline dispensing facilities.

Rule 8.12.1 Definitions

Unless a different meaning is clearly required by context, the following words and phrases, as used in this Rule, shall have the following meanings:

“CARB” means California Air Resources Board.

“CARB Certified” means a vapor recovery system, equipment, or any component thereof, for which the California Air Resources Board (CARB) has evaluated its performance and issued an Executive Order.

“CARB Executive Order” means a document issued by the Executive Officer of the California Air Resources Board that specified the requirements for specific vapor control equipment and the procedures used in installing, maintaining, inspecting, or testing vapor recovery systems.

“Enhanced Vapor Recovery (EVR)” means performance standards and specifications set forth in the CARB CP 201 (Certification Procedure for Vapor Recovery Systems at gasoline dispensing facilities) Sections 3 through 9.

“Gasoline” means a petroleum distillate, which is a liquid at standard conditions and has a true vapor pressure greater than four pounds per square inch absolute at 20°C and is used as a fuel for internal combustion engines. Any liquid sold as a vehicle fuel with a true vapor pressure greater than four pounds per square inch absolute at 20°C is considered gasoline for purpose of this regulation.

“Gasoline Dispensing Facility” means any site dispensing gasoline from stationary storage tanks including facilities dispensing gasoline for automotive, aviation, and marine uses.

“Stage I” means gasoline vapor recovery during all gasoline marketing transfer operations except motor vehicle refueling.

“Stage II” means gasoline vapor recovery during motor vehicle refueling operations from stationary tanks.

“Submerged Fill Line” means any discharge pipe or nozzle designed to be within 6 inches of the bottom of the tank and submerged at all times.

“Throughput” means the amount of gasoline passing through a facility.

“Transport Tank” means a container used for shipping gasoline over roadways.

“Vapor Recovery System” means equipment that reduces the emissions of volatile organic compounds to the ambient air.

Rule 8.12.2 General Requirements

- (a) All gasoline dispensing facilities with gasoline storage tanks, regardless of size shall:
 - (1) Not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Measures to be taken include, but are not limited to, the following:
 - (i) Minimize gasoline spills;
 - (ii) Clean up spills as soon as practicable;
 - (iii) Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use; and
 - (iv) Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators.
- (b) Gasoline storage tanks with a capacity of 2,000 gallons or more shall be equipped with submerged fill lines.
- (c) Gasoline dispensing facilities may be subject to registration per Rule 4.1.
- (d) Gasoline dispensing facilities may be subject to Notice of Construction requirements per Rule 6.1.

Rule 8.12.3 Vapor Recovery Requirements

- (a) CARB Certified Stage I Enhanced Vapor Recovery (EVR), or equivalent equipment as approved by the Agency, is required for any new or upgraded gasoline storage tank with a storage capacity of 2,000 gallons or more and located at a gasoline dispensing facility with a cumulative gasoline storage capacity of 10,000 gallons or more. Upgrading means replacing a gasoline storage tank, or substantially altering any component of the Stage I vapor recovery system. Prior to commencing construction, modifications, or upgrades, gasoline dispensing facilities must comply with the applicable requirements in Rule 6.1.
- (b) Nothing in Rule 8.12 precludes the Agency from requiring installation of a Stage II vapor recovery system in conjunction with approval of a Notice of Construction application if Stage II vapor recovery is necessary to assure compliance with applicable air regulations and standards.

Rule 8.12.4 Testing Requirements

- (a) The owner or operator of a gasoline dispensing facility with a cumulative storage capacity of 10,000 gallons or more and equipped with Stage I EVR must conduct the following performance tests:
 - (1) Initial performance testing shall be completed, for all performance tests listed in Table 1, after initial installation and prior to the facility dispensing fuel commercially; and,
 - (2) Subsequent testing shall be conducted according to the schedule in Table 1.
- (b) The owner or operator of a gasoline dispensing facility with a cumulative gasoline storage capacity of 10,000 gallons or more that is equipped with Stage I, but not equipped with Stage I EVR, shall conduct the appropriate Static Pressure Performance of Vapor Recovery Systems test in Table 1 at least once every 13 months.
- (c) Tests shall be conducted in accordance with the CARB test procedure specified, or CARB-approved equivalent test procedures.
- (d) Tests shall be performed by a third-party independent testing company trained in the testing methods.
- (e) In the event of a failed performance test, the owner or operator shall correct the cause of the failure in accordance with Rule 8.12.5(c) and retest within 30 days of the date of the failed test.
- (f) The owner or operator shall report to the Agency the results of all required performance testing within 30 days of the test date.

Table 1: Performance Testing

<u>A</u>	<u>An owner/operator of a facility with underground storage tanks shall conduct the following tests...</u>	<u>After the initial testing, the owner/operator shall conduct the subsequent tests...</u>
	A1. TP-201.3 – Static Pressure Performance of Vapor Recovery Systems	at least once every 13 months
	A2. TP-201.1E – Leak Rate and Cracking Pressure of P/V Vent Valves	at least once every 37 months
	A3. TP-201.3C – Determination of Vapor Piping Connection to Underground Gasoline Storage Tanks (Tie-Tank Test)	
	A4. TP-201.1B – Static Torque of Rotatable Stage I Adaptors	at least once every 13 months
	A5. TP-201.1C or TP-201.1D¹ – Leak Rate of Drop Tube/Drain Valve Assembly or Leak Rate of Drop Tube/Overfill Prevention Device	at least once every 13 months
<u>B</u>	<u>An owner/operator with aboveground storage tanks shall conduct the following tests...</u>	<u>After the initial testing, the owner/operator shall conduct the subsequent tests...</u>
	B1. TP-206.3 or TP-201.3B² – Static Pressure Performance of Vapor Recovery Systems	at least once every 13 months
	B2. TP-201.1B – Static Torque of Rotatable Stage I Adaptors ³	at least once every 13 months
	B3. TP-201.1E – Leak Rate and Cracking Pressure of P/V Vent Valves	at least once every 37 months

¹ TP-201.1C has no overfill prevention device and TP-201.1D is required for drop tubes with overfill prevention

² TP-206.3 is required for aboveground storage tanks equipped with Stage I EVR

³ TP-201.1B only required for aboveground storage tanks equipped with Rotatable Stage I Adaptors

Rule 8.12.5 Self-Inspection Requirements

- (a) The owner or operator of a gasoline dispensing facility shall complete self-inspections of the vapor recovery system. The inspection must occur at least once a week, or after each gasoline delivery, whichever is less frequent. At a minimum, the following items shall be inspected:
 - (1) All adaptors shall be equipped with vapor-tight caps;
 - (2) All fill and vapor recovery wells or boxes shall be free of liquid gasoline;
 - (3) All gasoline storage tank fill-pipes shall have gasketed seals in good working condition;
 - (4) All caps shall have gasketed seals in good working condition; and,
 - (5) Vapor recovery adaptors on the storage tanks shall seal upon disconnect.
- (b) The dates and results of the self-inspections shall be recorded.
- (c) No later than 15 days after discovery, the owner or operator shall take corrective actions to repair, replace or adjust defective equipment found during any of the following events:
 - (1) Performance tests;
 - (2) Routine maintenance checks;
 - (3) Self-inspections; or,
 - (4) Agency compliance inspections.

Rule 8.12.6 Recordkeeping Requirements

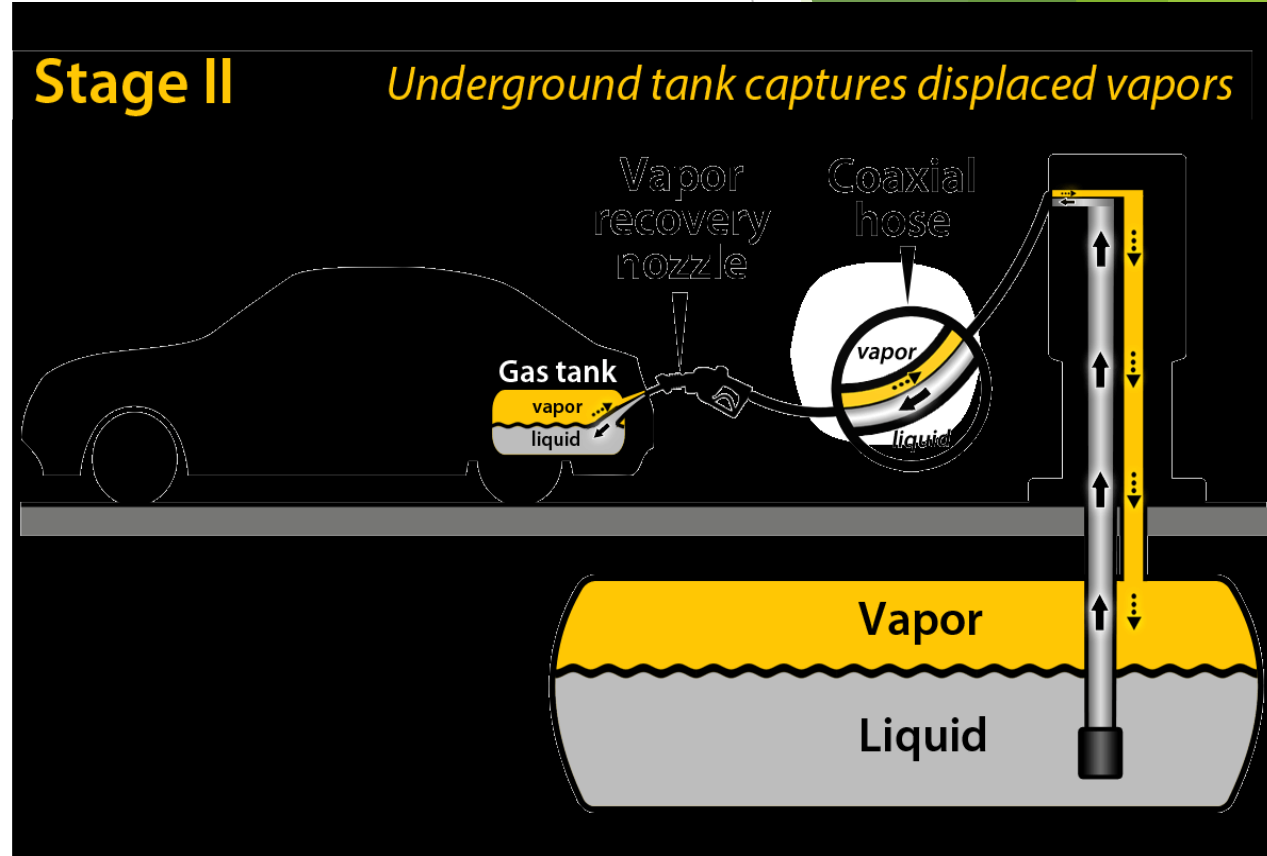
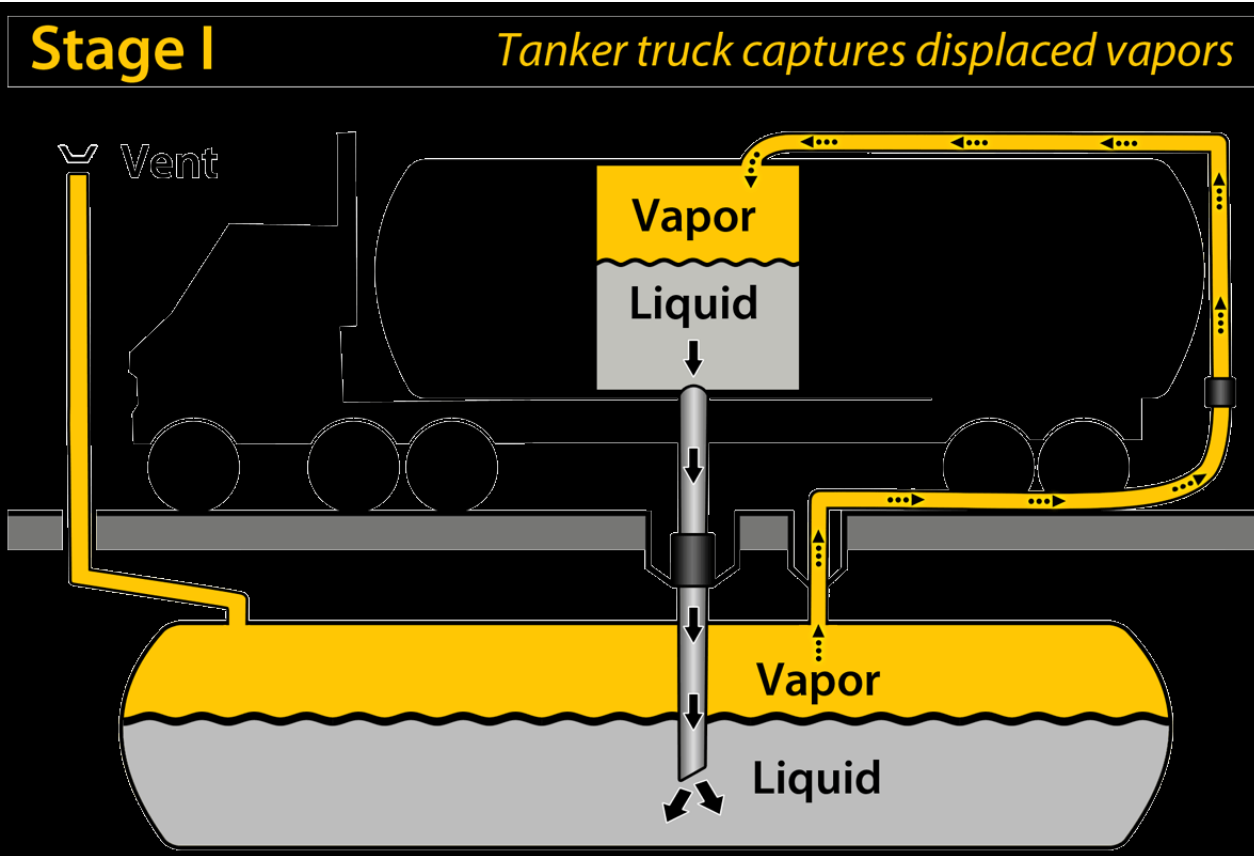
- (a) The following records shall be maintained on site for no less than five years from origination, and copies made available to the Agency upon request:
 - (1) Records of all maintenance and repair activities;
 - (2) Records of all self-inspections conducted per Rule 8.12.5;
 - (3) Records of all performance tests required by Rule 8.12.4; and,
 - (4) Monthly gasoline throughput records.
- (b) The following records shall be maintained on site for the life of the gasoline dispensing facility or the associated equipment, whichever is earlier:
 - (1) Any determinations issued by the Agency per Rule 6.1;
 - (2) Any GDF Notice of Intent to Operate submitted to the Agency per Rule 6.1(b)(3).

Summary of proposed changes to gas station regulations



ORCAA Rule 6.1 and 8.12

What is a Vapor Recovery System?





What are VOCs?

- ▶ Volatile Organic Compounds
- ▶ *“VOCs are organic chemical compounds whose composition makes it possible for them to evaporate under normal indoor atmospheric conditions of temperature and pressure.” (EPA)*
- ▶ VOCs are regulated to mitigate ground-level ozone formation and air toxics (BTEX)

Small Stations, Large Impacts

- ▶ Stage I vapor recovery captures an amount of vapor equivalent to ~10-15 gallons of gasoline each time a tanker unloads⁽¹⁾
- ▶ Over 190 million gallons of gasoline was dispensed in ORCAA's jurisdiction in 2017
- ▶ Amounts to over 238,000 gallons of gasoline potentially recovered, which is equivalent to over 1.4 million pounds of VOCs (714 tons)

Goals

- ▶ Incorporate 'permit streamlining' provisions to reduce permitting time for industry & ORCAA
- ▶ Incorporate Best Management Practices (BMPs)
- ▶ Include requirements from state and federal air regulations
- ▶ Clearly outline testing requirements for gas stations
- ▶ Incorporate Best Available Control Technology (BACT)

Rule 6.1 changes

- ▶ To streamline permitting, gas stations will be required to submit a Notice of Intent (NOI) in lieu of a Notice of Construction (NOC) provided that:
 1. The proposed equipment is covered by a current California Air Resources Board (CARB) certification
 2. The gas station is not part of a Title V facility
 3. The gas station is not required by state law to install Stage II
 4. The project does not involve removing Stage II
- ▶ 15 day waiting period after submittal

Rule 8.12 Changes

General Requirements for All Stations

- ▶ Incorporates Best Management Practices (BMPs) that are in the federal regulation for gas stations
 - ▶ Minimize and clean up gas spills
 - ▶ Keep gasoline 'points of entry' properly sealed and covered when not in use
- ▶ Submerged fill for gas tanks that are 2,000 gallons or more (a requirement in our current rule)
- ▶ 8.12.2 applies to all gas stations, regardless of facility size

Rule 8.12 Changes

Vapor Recovery Requirements for New/Upgraded Stations

- ▶ New and reconstructed gas stations must install California Air Resources Board (CARB) Stage I Enhanced Vapor Recovery (EVR)
 - ▶ A requirement across all local clean air agencies in Washington
- ▶ Existing stations that do not currently have EVR are required to install EVR when they upgrade (i.e., replace/add tanks, replace Stage I vapor recovery system)
- ▶ 8.12.3 only applies to gas stations with a facility-wide storage capacity of 10,000 gallons of gasoline or more. This is consistent with the State's requirement in the WAC for new stations to install Stage I.

Rule 8.12 Changes

Testing Requirements

- ▶ Stations equipped with Stage I EVR must complete the tests according to Table 1 (next slide)
- ▶ Existing stations not yet equipped with Stage I EVR only need to complete a Static Pressure Performance of Vapor Recovery Systems test once a year
 - ▶ Some of the other tests in the table cannot be performed on a non-EVR system
- ▶ The testing requirements only apply to gas stations with a facility-wide storage capacity of 10,000 gallons of gasoline or more
- ▶ These tests are required by other local clean air agencies in Washington
- ▶ The table clearly outlines all testing requirements in one place for all gas stations in ORCAA's jurisdiction

Tank Type	CARB Test	Frequency
Underground Gasoline Tanks	TP-201.3 - Static Pressure Performance of Vapor Recovery Systems	Annual
	TP-201.1E - Leak Rate and Cracking Pressure of P/V Vent Valves	Every 3 Years
	TP-201.3C - Determination of Vapor Piping Connection to Underground Gasoline Storage Tanks (Tie-Tank Test)	Initial Only
	TP-201.1B - Static Torque of Rotatable Stage I Adaptors	Annual
	TP-201.1C or TP-201.1D - Leak Rate of Drop Tube/Drain Valve Assembly or Leak Rate of Drop Tube/Overfill Prevention Device TP201.1C has no overfill prevention device and TP-201.1D is required for drop tubes with overfill prevention	Annual
Aboveground Gasoline Tanks	TP-206.3 or TP-201.3B- Static Pressure Performance of Vapor Recovery Systems	Annual
	TP-201.1B - Static Torque of Rotatable Stage I Adaptors (only required for ASTs equipped with Rotatable Stage I Adaptors)	Annual
	TP-201.1E - Leak Rate and Cracking Pressure of P/V Vent Valves	Every 3 Years

Rule 8.12 Changes

Self-Inspection Requirements for All Stations

- ▶ Self-inspections must be done either once a week or after each gasoline delivery (whichever is less frequent)
- ▶ Clearly outlines which items need to be checked (vapor tight caps on adaptors, gasketed seals on all fill-pipes and caps, etc.)
- ▶ Self-inspection dates and results need to be recorded
- ▶ Corrective action must be taken within 15 days of discovering defective equipment found during performance tests, self-inspections, maintenance checks, or ORCAA inspection.
- ▶ Applies to all gas stations

Rule 8.12 Changes

Recordkeeping Requirements for All Stations

- ▶ Self-inspections, maintenance and repairs, performance tests, and monthly gasoline throughputs must be recorded and maintained on site for five years
 - ▶ Five years is consistent with the federal regulation
- ▶ Any NOCs or NOIs must be kept on site for the life of the facility/equipment
- ▶ All records shall be made available to ORCAA upon request

Reporting Requirements for All Stations

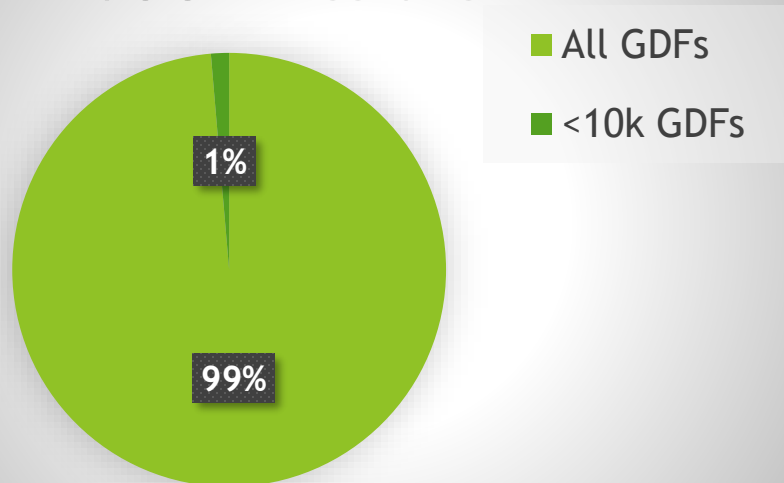
- ▶ Submit testing results within 30 days

Questions?

Why 10,000 gallons for facility applicability?

- ▶ Aligns with Washington State's Stage I requirements in WAC 173-491
 - ▶ Applies to all new gasoline dispensing facilities with a total gasoline nominal storage capacity greater than 10,000 gallons

VOC Emissions



GDFs with <10k gallon storage capacity account for 1% of GDF VOC emissions, but are ~17% of the total number of registered stations

Throughput is so low that if EVR was installed, the small stations would only reduce their combined impact by about 0.4 tpy

For stations >10k, combined VOC emissions could be reduced by ~28 tpy by installing EVR.

**OLYMPIC REGION CLEAN AIR AGENCY
REVENUE & SURPLUS**
For The Fiscal Year Ending June 30,

Proposed 5/3/2019

	Column 1	Column 2	Column 3	Column 4	Column 5
	Actual 2018	Approved 2019	YTD 3/31/2019	Proposed 2020	Projected 2021
<u>GRANTS</u>					
Core-Federal	\$ 188,374.00	\$ 188,374.00	\$ 125,584.00	\$ 187,774.00	\$ 187,774.00
Core-State	134,737.50	134,737.50	89,824.00	134,737.50	134,737.50
<u>PM Agreements:</u>					
Ecology Monitoring	13,110.66	13,500.00	10,393.00	13,500.00	13,500.00
CPO Project w/EPA-Maintenance & Operations	75,545.07	86,077.00	69,950.11	86,077.00	86,077.00
Community Scale Air Toxics	-	287,413.00	93,638.86	90,400.00	31,000.00
Woodstove Reduction & Bounty Program	15,195.02	125,000.00	41,078.86	125,000.00	125,000.00
Woodstove Education Grant	11,017.00	11,017.00	6,407.75	11,017.00	11,017.00
<u>FEES</u>					
Assessments	\$ 410,802.35	\$ 427,318.00	\$ 413,304.30	\$ 445,380.00	\$ 452,060.70
AOP (Title V)	377,008.68	390,871.00	359,655.64	378,086.00	352,920.00
EFSEC	19,631.14	30,000.00	45,374.41	35,532.00	26,565.00
Ecology Oversight	10,559.45	15,000.00	10,936.97	15,000.00	15,000.00
Annual Registration	378,281.07	359,248.00	374,371.21	380,000.00	385,700.00
NOC - NSR	130,923.17	110,000.00	99,655.56	110,000.00	111,650.00
NOI - Major/Minor	2,503.00	2,000.00	2,490.00	2,000.00	2,000.00
Outdoor Burning	-	-	-	-	-
Asbestos	141,229.01	135,000.00	113,477.50	135,000.00	137,700.00
Land Clearing	30,864.00	15,000.00	20,621.00	15,000.00	15,225.00
<u>OTHER</u>					
Fines	\$ 100,754.22	\$ 55,000.00	\$ 42,772.21	\$ 55,000.00	\$ 55,000.00
Investment Interest	20,003.08	15,000.00	19,521.70	20,000.00	20,000.00
Miscellaneous Income	1,420.65	2,000.00	501.65	2,000.00	2,000.00
Building Income	57,031.00	57,108.00	37,412.00	44,511.00	45,401.22
<u>RESERVE FUNDS</u>					
Reserve Funds -General Fund - Administration	\$ -	\$ 163,581.07	\$ -	\$ 216,487.68	\$ 309,499.63
Reserve Funds -Title V	-	(48,605.00)	-	(32,181.00)	(1,169.00)
Reserve Funds -Database	0.00	0.00	0.00	0.00	0.00
TOTAL REVENUE & SURPLUS	\$ 2,118,990.07	\$ 2,574,639.57	\$ 1,976,970.73	\$ 2,470,321.18	\$ 2,518,658.05

**OLYMPIC REGION CLEAN AIR AGENCY
EXPENDITURES**
For The Fiscal Year Ending June 30,

	Column 1	Column 2	Column 3	Column 4	Column 5
	Actual 2018	Approved 2019	YTD 3/31/2019	Proposed 2020	Projected 2021
<u>PAYROLL</u>					
Salaries	\$ 1,329,576.34	\$ 1,429,730.64	\$ 1,011,651.78	\$ 1,474,673.00	\$ 1,504,166.46
Employee Benefits	457,747.72	521,327.93	336,797.60	553,910.18	576,066.59
TOTAL P/R EXPENSES	\$ 1,787,324.06	\$ 1,951,058.57	\$ 1,348,449.38	\$ 2,028,583.18	\$ 2,080,233.05
<u>NON-PAYROLL</u>					
Office Supplies & Sm Supply Purchases & Safety	\$ 3,915.35	\$ 5,000.00	\$ 3,655.14	\$ 6,300.00	\$ 5,000.00
Gasoline Vehicles	4,458.55	5,600.00	2,964.41	5,600.00	5,600.00
Computer Hard/Soft./Supplies	8,421.42	14,295.00	6,655.69	13,098.00	10,000.00
Bd. Prof. Ser. & Travel Reimb.	1,496.59	3,600.00	680.70	3,600.00	3,600.00
Staff Training/ Conferences/ Travel	10,370.89	11,282.00	10,753.71	11,155.00	11,000.00
Professional Srs.	62,912.96	53,800.00	29,533.43	43,800.00	45,800.00
Telephone	12,386.25	14,000.00	8,503.49	14,000.00	14,000.00
Database	-	-	-	-	-
Postage	4,710.03	4,600.00	3,342.19	4,600.00	4,600.00
Insurance (Bldg. Veh. Staff)	24,657.00	27,200.00	28,374.00	29,000.00	30,000.00
Wellness Program	352.01	400.00	346.01	400.00	400.00
Public Education	5,934.56	8,500.00	8,075.59	10,360.00	10,000.00
Miscellaneous	2,717.94	900.00	1,647.28	900.00	900.00
Dues & Subscriptions	3,390.01	3,700.00	603.79	3,500.00	3,500.00
Audit/Acctg	6,505.87	18,000.00	19,321.56	7,500.00	22,000.00
Printing	222.43	300.00	-	300.00	300.00
Rent-Satellite Office	2,400.00	2,400.00	2,000.00	2,400.00	2,400.00
Maintenance - Copier	1,536.60	1,800.00	1,075.52	1,800.00	1,800.00
Vehicle Purchase	-	25,000.00	-	-	25,000.00
Maintenance - Vehicles	2,691.27	3,500.00	595.30	3,500.00	3,500.00
Sub-Total Administrative Expenses	\$ 159,079.73	\$ 203,877.00	\$ 128,127.81	\$ 161,813.00	\$ 199,400.00
<u>OFFICE BLDG. OPERATING</u>					
Interest Expense & Principal - Office Bldg.	\$ 44,285.83	\$ 45,000.00	\$ 41,932.62	\$ 45,500.00	\$ 45,500.00
Utilities/Alarm Monitoring	15,905.67	16,000.00	11,296.10	16,000.00	17,000.00
Janitorial Supplies	2,423.83	600.00	447.16	600.00	600.00
Maintenance Office Bldg.	6,338.25	6,000.00	4,221.23	6,000.00	6,000.00
Leasehold Improvements	-	12,000.00	5,222.85	14,000.00	7,500.00
Sub-Total Office Building Operating	\$ 68,953.58	\$ 79,600.00	\$ 63,119.96	\$ 82,100.00	\$ 76,600.00
<u>NON-ADMINISTRATIVE-OPERATING</u>					
Woodstove Reduction Program/Bounty	\$ -	\$ 100,000.00	\$ 46,400.00	\$ 100,000.00	\$ 100,000.00
DOE Oversight Fees	10,559.43	15,000.00	10,937.00	15,000.00	15,000.00
Monitoring Program - CPO	19,524.24	31,000.00	28,517.64	33,400.00	33,400.00
Community Scale Air Toxics	1,309.47	189,379.00	68,679.34	44,400.00	9,000.00
Monitoring Program-SS-General	5,271.15	4,725.00	2,267.19	5,025.00	5,025.00
Security Deposit Refunds	0.00	0.00	0.00	0.00	0.00
Sub-Total Non-Administrative - Operating	\$ 36,664.29	\$ 340,104.00	\$ 156,801.17	\$ 197,825.00	\$ 162,425.00
GRAND TOTAL EXPENDITURES	\$ 2,052,021.66	\$ 2,574,639.57	\$ 1,696,498.32	\$ 2,470,321.18	\$ 2,518,658.05

For The Period ...

Proposed 5/3/2019

		Proposed		Projections																	
		FY 2020 General Fund		FY 2021 General Fund																	
		July 1, 2019		July 1, 2020																	
\$		1,622,988		\$		1,438,681															
\$		2,286,015		\$		2,210,327															
\$		(2,470,321)		\$		(2,518,658)															
\$		1,438,681		\$		1,130,350															
6/30/2020		6/30/2021																			
General Fund Balance applied to FY Budget (Reserves)		\$		216,488		\$		309,500													
Fund Balance ALLOCATIONS																					
Operating Reserve Funds																					
Less: Expense Reserve (20% FY Budget less Title V Exps)		\$		385,655		\$		418,447		\$		433,148									
Less: Title V (@20% Title V Exps)		\$		37,000		\$		32,181		\$		69,181		\$		70,350					
Less: ORCAA Tenants Security Deposits		\$		4,425						\$		5,875		\$		5,875					
Capital Reserve Funds																					
Less for Office Building		\$		30,000		+		\$		-		=		\$		30,000		\$		30,000	
Less for Monitoring Equipment		\$		20,000		+		\$		-		=		\$		20,000		\$		20,000	
Less for Database/Equipment/Archive		\$		75,000		+		\$		35,000		=		\$		110,000		\$		145,000	
Less for Vacation/Sick Leave		\$		152,346		+				TBD		=		\$		156,000		\$		160,000	
Ending UNRESERVED Fund Balance Year End		\$		918,562										\$		629,178		\$		265,978	
Year End		6/30/2019				--								6/30/2020		6/30/2021					

"Operating Reserve Funds" defined.....

An amount established by board direction and placed in reserve
Revised Res #269 dated May 2016 with 20% reserve less Title V. (Formerly: Resolution #178 dated August 1999 refers to board direction to maintain a 25% reserve level annually.)

"Capital Reserve Funds" defined.....

An amount established by board direction to save for long-term capital expenditures (bldg, equipment, database). Res. #251 dated 06/13/12; Res. #260 dated 11/12/14

"Fund Balance" defined.....

*Funds that are held in our bank account with Thurston County Treasurer's Office. ORCAA has one fund with Thurston County and is referred to as the "General Fund".

***The total Fund Balance includes all funds on deposit at the bank.**

Agricultural Burning Fee Schedule

Effective July 1, ~~2018~~2019

Agricultural Burn Permit Fee – ORCAA Rule 3.4*

Fee	Minimum Fee	Variable Fee
Field Burning	\$37.50 for the first 10 acres	\$3.75 for each additional acre
Spot Burning	\$37.50 for 10 acres or less	None
Pile Burning	\$80 for the first 80 tons	\$1.00 for each additional ton

*These fees are exempt from Resolution 268.

Asbestos and Demolition Fee Schedule

Effective July 1, ~~2018~~2019

Asbestos and Demolition Fees – ORCAA Rule 3.5(b)

ASBESTOS PROJECT	Notification Fee
Single Family Residential	\$ 37 <u>38</u>
10 - 259 linear feet or 48 - 159 square feet	\$ 160 <u>165</u>
260 - 999 linear feet or 160 - 4,999 square feet	\$ 347 <u>357</u>
1,000 - 9,999 linear feet or 5,000 - 49,999 square feet	\$ 694 <u>715</u>
10,000+ linear feet or 50,000+ square feet	\$ 1389 <u>1429</u>
Annual Notification (limited to 260 linear feet or 160 square feet maximum)	\$ 534 <u>550</u>
Emergency	\$ 53 <u>55</u> plus notification fee

DEMOLITION PROJECT	Notification Fee
Single Family Residents (AHERA Survey Required)	\$ 37 <u>38</u>
Commercial Structure (Survey Required)	\$ 64 <u>66</u>
Emergency Project	\$ 53 <u>55</u> plus notification fee

Land Clearing Burning Fee Schedule

Effective July 1, ~~2018~~2019

Land Clearing Burning Permit Fee – ORCAA Rule 3.4

The Land Clearing Burn Permit fee shall be one hundred ~~seven-ten~~ dollars (~~\$107~~110) for one acre or less. For greater than one acre, the fee will be ~~\$107~~110 per acre cleared, rounded to the nearest full acre.

Notice of Construction (NOC) Fee Schedule

Effective July 1, ~~2018~~2019

NOC Fees - ORCAA Rule 3.3(a)

~~Complexity Fee~~
~~+ Equipment Fee(s)~~Filing Fee
 + Additional NOC Processing Fees
 + Other Costs
 NOC Fee

Filing Fee - ORCAA Rule 3.3(b)

Complexity Fee
 + Equipment Fee(s) (for each piece of equipment, unless they are identical per 3.3(b)(2))
 Filing Fee

Complexity Fee

Small Unit Complexity <u>Level 1</u> ¹	\$ 1080 <u>1111</u>
Low Complexity <u>Level 2</u> ¹	\$ 2161 <u>2224</u>
Medium Complexity <u>Level 3</u> ¹	\$ 3615 <u>3719</u>
High Complexity <u>Level 4</u> ¹	\$ 8746 <u>9000</u>

Equipment Fee

Equipment/Activity	Fee	Base-Fee Hours
Abrasive Blasting	\$ 415 <u>427</u>	5
Asphalt Plant	\$ 3073 <u>3162</u>	37
<i>Boiler (Million Btu/hr heat input at design capacity)</i>		
Less than 10	\$ 831 <u>855</u>	10
10 or more but less than 30	\$ 997 <u>1026</u>	12
30 or more but less than 100	\$ 2159 <u>2222</u>	26
More than 100	\$ 5814 <u>5983</u>	70
Temporary Boiler (Onsite < 1 year)	One half the filing fee	One half the base-fee hours
Small Boiler In-Kind Replacement – Replacement of small boiler with a unit of same or smaller size, combusting the same or cleaner fuel. May be used for boilers less than 30 MMBtu/hr. All other In-Kind Replacements use regular boiler fees listed.	One half the filing fee	One half the base-fee hours
Coffee Roaster	\$ 581 <u>598</u>	7
<i>Composting Operation (Average material throughput – tons per day)</i>		
Less than 50	\$ 1080 <u>1111</u>	13
50 or more but less than 200	\$ 1910 <u>1965</u>	23
More than 200	\$ 2824 <u>2906</u>	34

Concrete Batch Plant	\$ 166 <u>1709</u>	20
Crematory	\$ 914 <u>941</u>	11
Dry Cleaner (per machine)	\$ 581 <u>598</u>	7
Dry Kilns	\$ 1080 <u>1111</u>	13
Emergency Engine (per engine) ≤ 2000bhp	\$ 581 <u>598</u>	7
Emergency Engine (per engine) ≥ 2000bhp	\$ 747 <u>769</u>	9
Non-Emergency Engine (per engine)	\$ 1080 <u>1111</u>	13
Engine In-Kind Replacement – Replacement of engine with a unit of same or smaller size, combusting the same or cleaner fuel	One half the filing fee	One half the base-fee hours
Gasoline Dispensing Station	\$ 831 <u>855</u>	10
Gasoline Dispensing State – Stage 2 Removal Only	\$ 498 <u>512</u>	6
Log yard	\$ 581 <u>598</u>	7
Printing	\$ 581 <u>598</u>	7
Process Equipment ≤20,000 cubic feet per minute at design capacity	\$ 831 <u>855</u>	10
Rock Crushing Plant	\$ 415 <u>427</u>	5
Soil Remediation	\$ 1080 <u>1111</u>	13
Spray Painting – Autobody (per operation/booth)	\$ 664 <u>683</u>	9
Spray Surface Painting Coating – Aviation, Wood, Truck Bed Lining, Boat, Other (per operation/booth)	\$ 831 <u>855</u>	10
Storage Tanks ≤10,000 gallon total capacity (other than at retail gasoline dispensing stations)	\$ 747 <u>769</u>	9
Wastewater Treatment Plant	\$ 1744 <u>1795</u>	21
Welding	\$ 831 <u>855</u>	10

Other Not Classified Above

Equipment/Activity	Fee	Base-Fee Hours
Other Equipment - Small ^{1,2}	\$ 415 <u>427</u>	5
Other Equipment - Medium ^{1,2}	\$ 1163 <u>1197</u>	14
Other Equipment - High ¹ <u>Large</u> ²	\$ 2824 <u>2906</u>	34
Equipment Modification <ul style="list-style-type: none"> - Modification per ORCAA Rule 1.4 - Deviation from approved plans per ORCAA Rule 6.1.2(I) - Significant changes in conditions (does not fall under ORCAA Rule 6.1.11) 	One half the applicable filing fee	One half the base-fee hours

Control Device Replacement/Change in Conditions (No Complexity Fee)

Equipment/Activity	Fee	Base-Fee Hours
Control Device Replacement per ORCAA Rule 6.1.10	\$ 664 <u>683</u>	8
Change in Conditions per ORCAA Rule 6.1.11	\$ 581 <u>598</u>	7

Additional NOC Processing Fees - ORCAA Rule 3.3(c)

Additional NOC Processing fees, including work that exceeds the base-fee hours, will be billed at the following hourly rate as specified in ORCAA Rule 3.3(d).

Hourly Rate	\$ 83.05 <u>85.46</u>
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Other Costs - ORCAA Rule 3.3(d)

Publishing and consulting costs incurred will be billed to the applicant as specified in ORCAA Rule 3.3(d).

Variance - ORCAA Rule 2.3

Fees	Fee	Base-Fee Hours
Filing Fee	\$ 1163 1197	14
Additional processing costs above base-fee hours	\$ 83.05 85.46/hr	
Actual legal notice fees	Actual cost	
Actual ORCAA legal fees	Actual cost	

¹**Complexity** – ~~Small Unit, Low, Medium, High~~ Level 1, Level 2, Level 3 and Level 4

The following includes equipment that would be considered in each permit complexity class if installed by themselves. If the application includes more than one piece of equipment/process or if your equipment/process is not listed, please contact ORCAA Engineering Department for a complexity determination for your project. Level 1 is limited to the specific equipment listed.

~~Small Unit Complexity~~Level 1-limited to this list

Coffee Roaster
Emergency Engine ≤ 2000 bhp
Gasoline Dispensing Facilities
Rock Crushing Plant – General Order
Spray Painting – Autobody

Welding

~~Medium Complexity~~Level 3

Boiler 30-100 MMBtu/hr
Compost 50-200 tons/day

~~Low Complexity~~Level 2

Abrasive Blasting
Boiler < 30 MMBtu/hr
Compost < 50 ton/day
Cremator
Dry Cleaner
Emergency Engine ≥ 2000 bhp
Non-Emergency Engine
Process Equipment
Rock Crushing Plant
Soil Remediation

~~High Complexity~~Level 4

Asphalt Plant
Boiler > 100 MMBtu/hr

Surface Coatings~~Spray Painting~~ (excluding autobody)
Storage Tanks $< 10,000$ -gallon capacity (excluding gasoline dispensing facilities)

²Equipment fees for other equipment not classified above is determined based on the size and the type of the unit. Please contact ORCAA Engineering Department for assistance.

Notice of Intent (NOI) Fee Schedule

Effective July 1, ~~2018~~2019

NOI Fees - ORCAA Rule 3.6(a)

Category	Fee
Asphalt Plant	\$ 32863 <u>3381</u>
Boiler	\$ 9619 <u>989</u>
Concrete Batch Plants	\$ 6296 <u>647</u>
Nonroad Engines	\$ 8789 <u>903</u>
Rock Crushers	\$ 1127 <u>1160</u>
Other Equipment Not Classified Above	\$ 8989 <u>924</u>

NOI Fees - ORCAA Rule 3.6(a) – Exemption under ORCAA Rule 6.1(b)(2)

Stationary source qualifying for exemption from New Source Review under ORCAA Rule 6.1(b)(2)	\$ 4985 <u>12</u>
Additional processing costs exceeding 6 hours for sources submitting an NOI for exemption under ORCAA Rule 6.1(b)(2) who request assistance with documenting the stationary source's potential to emit	\$83.05 <u>85.46</u> /hr

Olympic Region Clean Air Agency Fee Schedules

Effective July 1, ~~2018~~2019

Registration Fee Schedule

Registration Fee - ORCAA Rule 3.1 (b)

Registration Class (RC)	Registration Class Fee Amount	Emission Fee
RC1	\$ 4736 <u>1787</u>	\$ 53-55 per ton
RC2	\$ 1549 <u>1594</u>	\$ 53-55 per ton
RC3	\$ 1389 <u>1429</u>	\$ 53-55 per ton
RC4	\$ 641 <u>660</u>	N/A
RC5	\$ 256 <u>264</u>	N/A

Re-inspection fee ORCAA Rule 3.1(i)

Re-inspection fee	\$ 107-110 per inspection
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**Assessments for Fiscal Year 2020
based on 2018 population**

	population	\$ 0.815 per capita	amount paid	date paid
CLALLAM COUNTY				
unincorporated	44,685	\$36,416.85		
Forks	3,615	\$2,946.11		
Port Angeles	19,370	\$15,785.93		
Sequim	7,460	\$6,079.66		
GRAYS HARBOR COUNTY				
unincorporated	28,320	\$22,289.89		
Aberdeen	16,760	\$13,658.86		
Cosmopolis	1,665	\$1,356.92		
Elma	3,360	\$2,738.29		
Hoquiam	8,560	\$6,976.13		
McCleary	1,760	\$1,434.34		
Montesano	4,155	\$3,386.19		
Oakville	690	\$562.33		
Ocean Shores	6,220	\$5,069.10		
Westport	2,120	\$1,727.73		
JEFFERSON COUNTY				
unincorporated	22,045	\$17,965.97		
Port Townsend	9,545	\$7,778.87		
MASON COUNTY				
unincorporated	53,880	\$43,910.48		
Shelton	10,140	\$8,263.78		
PACIFIC COUNTY				
unincorporated	14,500	\$11,817.04		
Ilwaco	965	\$786.44		
Long Beach	1,445	\$1,177.63		
Raymond	2,885	\$2,351.18		
SouthBend	1,625	\$1,324.32		
THURSTON COUNTY				
unincorporated	141,800	\$115,562.46		
Bucoda	575	\$468.61		
Lacey	50,170	\$40,886.94		
Olympia	52,490	\$42,777.67		
Rainier	2,020	\$1,646.24		
Tenino	1,785	\$1,454.72		
Tumwater	23,830	\$19,420.69		
Yelm	9,030	\$7,359.16		
TOTALS	547,470	\$445,380.53	\$0.00	

**OLYMPIC REGION CLEAN AIR AGENCY
REVENUE & SURPLUS
For The Fiscal Year Ending ...**

REVENUE & SURPLUS			5-Year Forecast				
For The Fiscal Year Ending ...			Column 3	Column 4	Column 5	Column 6	Column 7
	Column 1	Column 2	Proposed	Estimate	Estimate	Estimate	Estimate
	Actual	Current Budget	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
	FY 2018	2019					
<u>GRANTS</u>							
Core-Federal	\$ 188,374.00	\$ 188,374.00	\$ 187,774.00	\$ 187,774.00	\$ 184,018.52	\$ 184,018.52	\$ 180,338.15
Core-State	134,737.50	134,737.50	134,737.50	134,737.50	134,737.50	134,737.50	134,737.50
<u>PM Agreements:</u>							
Ecology Monitoring	13,110.66	13,500.00	13,500.00	13,500.00	13,500.00	13,500.00	13,501.00
CPO Project w/EPA-Maintenance & Operations	75,454.07	86,077.00	86,077.00	86,077.00	86,077.00	86,077.00	86,077.00
Community Scale Air Toxics	-	287,413.00	90,400.00	31,000.00	-	-	-
Woodstove Reduction & Bounty Program w/Ecology	15,195.02	125,000.00	125,000.00	125,000.00	125,000.00	125,000.00	125,000.00
Woodstove Grant	11,017.00	11,017.00	11,017.00	11,017.00	11,017.00	11,017.00	11,017.00
<u>FEES</u>							
Assessments	\$ 410,802.35	\$ 427,318.00	\$ 445,380.00	\$ 452,060.00	\$ 461,101.20	\$ 470,323.22	\$ 479,729.69
AOP (Title V)	377,008.68	390,871.00	378,086.00	352,920.00	358,884.00	364,949.00	371,117.00
EFSEC	19,631.14	30,000.00	35,532.00	26,565.00	25,000.00	25,000.00	25,000.00
Ecology Oversight	10,559.45	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00
Annual Registration	378,281.07	359,248.00	380,000.00	385,700.00	393,414.00	401,282.28	409,307.93
NOC - NSR	130,923.17	110,000.00	110,000.00	111,650.00	113,883.00	116,160.66	118,483.87
NOI - Major/Minor	2,503.00	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00
Outdoor Burning	-	-	-	-	-	-	-
Asbestos	141,229.01	135,000.00	135,000.00	137,700.00	140,454.00	143,263.08	146,128.34
Land Clearing	30,864.00	15,000.00	15,000.00	15,225.00	15,500.00	15,750.00	16,000.00
<u>OTHER</u>							
Fines	\$ 100,754.22	\$ 55,000.00	\$ 55,000.00	\$ 55,000.00	\$ 55,000.00	\$ 55,000.00	\$ 55,000.00
Investment Interest	20,003.08	15,000.00	20,000.00	20,000.00	12,000.00	8,000.00	4,000.00
Miscellaneous Income	1,420.65	2,000.00	2,000.00	2,000.00	1,000.00	1,000.00	1,000.00
Building Income	57,031.00	57,108.00	44,511.00	45,401.22	46,309.24	47,235.43	48,180.14
<u>RESERVE FUNDS</u>							
Reserve Funds -General Fund - Administration	\$ -	\$ 163,581.07	\$ 216,487.68	\$ 309,499.87	\$ 322,350.28	\$ 389,465.34	\$ 332,402.85
Reserve Funds -Title V	-	(48,605.00)	(32,181.00)	(1,169.00)	(5,000.00)	(5,000.00)	(5,000.00)
Reserve Funds -Database	-	-	-	-	-	-	-
TOTAL REVENUE & SURPLUS	\$ 2,118,899.07	\$ 2,574,639.57	\$ 2,470,321.18	\$ 2,518,657.59	\$ 2,511,245.74	\$ 2,603,779.04	\$ 2,569,020.46

**OLYMPIC REGION CLEAN AIR AGENCY
EXPENDITURES
For The Fiscal Year Ending ...**

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7
	Actual FY 2018	Current Budget 2019	Proposed FY 2020	Estimate FY 2021	Estimate FY 2022	Estimate FY 2023	Estimate FY 2024
<u>PAYROLL</u>							
Salaries	\$ 1,329,576.34	\$ 1,429,730.00	\$ 1,474,673.00	\$ 1,504,166.00	\$ 1,526,728.49	\$ 1,549,629.42	\$ 1,572,873.86
Employee Benefits	457,747.72	521,328.00	553,910.18	576,066.59	596,009.25	619,849.62	644,643.61
TOTAL P/R EXPENSES	\$ 1,787,324.06	\$ 1,951,058.00	\$ 2,028,583.18	\$ 2,080,232.59	\$ 2,122,737.74	\$ 2,169,479.04	\$ 2,217,517.46
<u>NON-PAYROLL</u>							
Office Supplies & Sm Supply Purchases	\$ 3,915.35	\$ 5,000.00	\$ 6,300.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00
Gasoline Vehicles	4,458.55	5,600.00	5,600.00	5,600.00	6,000.00	6,300.00	6,500.00
Computer Hard/Soft./Supplies	8,421.42	14,295.00	13,098.00	10,000.00	10,000.00	10,000.00	10,000.00
Bd. Prof. Ser. & Travel Reimb.	1,496.59	3,600.00	3,600.00	3,600.00	3,600.00	3,600.00	3,600.00
Staff Training & Conferences & Travel	10,370.89	11,282.00	11,155.00	11,000.00	12,000.00	12,000.00	12,000.00
Professional Srs.	62,912.96	53,800.00	43,800.00	45,800.00	46,000.00	46,000.00	46,000.00
Telephone	12,386.25	14,000.00	14,000.00	14,000.00	14,400.00	15,000.00	15,200.00
Database	-	-	-	-	-	-	-
Postage	4,710.03	4,600.00	4,600.00	4,600.00	4,700.00	4,800.00	4,900.00
Insurance (Bldg, Veh, Staff)	24,657.00	27,200.00	29,000.00	30,000.00	30,000.00	30,500.00	31,000.00
Wellness Program	352.01	400.00	400.00	400.00	400.00	400.00	400.00
Public Education	5,934.56	8,500.00	10,360.00	10,000.00	7,500.00	8,000.00	8,000.00
Miscellaneous	2,717.94	900.00	900.00	900.00	900.00	900.00	900.00
Dues & Subscriptions	3,390.01	3,700.00	3,500.00	3,500.00	3,500.00	3,500.00	3,500.00
Audit/Acctg	6,505.87	18,000.00	7,500.00	22,000.00	8,000.00	22,500.00	8,500.00
Printing	222.43	300.00	300.00	300.00	300.00	300.00	300.00
Rent-Satellite Office	2,400.00	2,400.00	2,400.00	2,400.00	2,400.00	2,400.00	2,400.00
Maintenance - Copier	1,536.60	1,800.00	1,800.00	1,800.00	2,000.00	2,100.00	2,200.00
Vehicle Purchase	-	25,000.00	-	25,000.00	-	25,000.00	-
Maintenance - Vehicles	2,691.27	3,500.00	3,500.00	3,500.00	3,600.00	3,800.00	4,000.00
Sub-Total Administrative Expenses	\$ 159,079.73	\$ 203,877.00	\$ 161,813.00	\$ 199,400.00	\$ 160,300.00	\$ 202,100.00	\$ 164,400.00
<u>OFFICE BLDG. OPERATING</u>							
Interest Expense & Principal - Office Bldg.	\$ 44,285.83	\$ 45,000.00	\$ 45,500.00	\$ 45,500.00	\$ 45,108.00	\$ 45,600.00	\$ -
Utilities/Alarm Monitoring	15,905.67	16,000.00	16,000.00	17,000.00	22,000.00	24,000.00	24,001.00
Janitorial Supplies	2,423.83	600.00	600.00	600.00	600.00	600.00	601.00
Maintenance Office Bldg.	6,338.25	6,000.00	6,000.00	6,000.00	9,000.00	10,000.00	10,001.00
Leasehold Improvements	-	12,000.00	14,000.00	7,500.00	-	-	-
Sub-Total Office Building Operating	\$ 68,953.58	\$ 79,600.00	\$ 82,100.00	\$ 76,600.00	\$ 76,708.00	\$ 80,200.00	\$ 34,603.00
<u>NON-ADMINISTRATIVE-OPERATING</u>							
Woodstove Reduction Program/Bounty	\$ -	\$ 100,000.00	\$ 100,000.00	\$ 100,000.00	\$ 100,000.00	\$ 100,000.00	\$ 100,000.00
DOE Oversight Fees	10,559.43	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00
Monitoring Program - CPO	19,524.24	31,000.00	33,400.00	33,400.00	31,000.00	31,000.00	31,000.00
Community Scale Air Toxics	1,309.47	189,379.00	44,400.00	9,000.00	-	-	-
Monitoring Programs	5,271.15	4,725.00	5,025.00	5,025.00	5,500.00	6,000.00	6,500.00
Sub-Total Non-Administrative - Operating	\$ 36,664.29	\$ 340,104.00	\$ 197,825.00	\$ 162,425.00	\$ 151,500.00	\$ 152,000.00	\$ 152,500.00
GRAND TOTAL EXPENDITURES	\$ 2,052,021.66	\$ 2,574,639.00	\$ 2,470,321.18	\$ 2,518,657.59	\$ 2,511,245.74	\$ 2,603,779.04	\$ 2,569,020.46

OLYMPIC REGION CLEAN AIR AGENCY
FUND BALANCE
For The Period Ending ...

		5-Year Forecast					
	Actual	Budget	Estimate	Estimate	Estimate	Estimate	Estimate
	<u>FY 2018 General Fund</u>	<u>FY 2019 General Fund</u>	<u>FY 2020 General Fund</u>	<u>FY 2021 General Fund</u>	<u>FY 2022 General Fund</u>	<u>FY 2023 General Fund</u>	<u>FY 2024 General Fund</u>
	July 1, 2017	July 1, 2018	July 1, 2019	July 1, 2020	July 1, 2021	July 1, 2022	July 1, 2023
BEGINNING Fund Balance.....	\$ 1,503,195	\$ 1,570,163	\$ 1,622,988	\$ 1,438,681	\$ 1,130,350	\$ 813,000	\$ 428,535
<u>Plus</u> : Revenue Fiscal Year	\$ 2,118,990	\$ 2,359,549	\$ 2,286,015	\$ 2,210,327	\$ 2,193,895	\$ 2,219,314	\$ 2,241,618
<u>Less</u> : Expenditures Fiscal Year	\$ (2,052,022)	\$ (2,306,724)	\$ (2,470,321)	\$ (2,518,658)	\$ (2,511,246)	\$ (2,603,779)	\$ (2,569,020)
ENDING Fund Balance 06/30/20xx	\$ 1,570,163	\$ 1,622,988	\$ 1,438,681	\$ 1,130,350	\$ 813,000	\$ 428,535	\$ 101,132
General Fund Balance applied to FY Budget (Admin Reserve)	\$ -	\$ -	\$ 216,488	\$ 309,500	\$ 322,350	\$ 389,465	\$ 332,403
Fund Balance ALLOCATIONS							
<u>Operating Reserve Funds</u>							
Less: Expense Reserve (20% FY Budget less Title V Exps)	\$ 328,758	\$ 436,754	\$ 418,447	\$ 433,148	\$ 430,472	\$ 447,766	\$ 439,581
Less: Title V	\$ 19,848	\$ 37,000	\$ 69,181	\$ 70,350	\$ 71,000	\$ 71,000	\$ 70,000
Less: ORCAA Tenants Security Deposits	\$ 4,425	\$ 5,875	\$ 5,875	\$ 5,875	\$ 5,875	\$ 5,875	\$ 5,875
<u>Capital Reserve Funds</u>							
Less for Office Building	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000
Less for Monitoring Equipment	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000
Less for Database/Equipment	\$ 75,000	\$ 110,000	\$ 145,000	\$ 180,000	\$ 215,000	\$ 250,000	\$ 285,000
Less for Vacation/Sick Leave	\$ 152,346	\$ 153,000	\$ 154,000	\$ 154,000	\$ 154,000	\$ 154,000	\$ 154,000
Sub-Total Reserve funds	\$ 630,377	\$ 792,629	\$ 842,503	\$ 893,373	\$ 926,347	\$ 978,641	\$ 1,004,456
Ending UNRESERVED Fund Balance <u>Year End</u>	\$ 939,786	\$ 830,359	\$ 596,178	\$ 236,978	\$ (113,347)	\$ (550,106)	\$ (903,324)

Year End	6/30/2018	6/30/2019	6/30/2020	6/30/2021	6/30/2022	6/30/2023	6/30/2024
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<u>ORCAA Long Term Liabilities...</u>	Balance 6/30/18	Balance 6/30/19	Balance 6/30/20	Balance 6/30/21	Balance 6/30/22	Balance 6/30/23	Balance 6/30/24
-Office Building, Promissory Note to be paid 12/1/2022	\$224,940	\$180,475	\$135,579	\$90,706	\$45,597	To be Paid off this FY on 12/1/2022	\$0
Interest rate 2.491%, no penalty early payoff							
-Dept. of Retirement Systems, Pension Liability	\$657,906	\$655,000	\$600,000	\$550,000	\$500,000	\$450,000	\$400,000
Proportionate share of collective pension amounts							

"Operating Reserve Funds" defined..... An amount established by board direction and placed in reserve
Revised Res #269 dated May 2016 with 20% reserve less Title V.
(Formerly: Resolution #178 dated August 1999 refers to board direction to maintain a 25% reserve level annually.)

"Capital Reserve Funds" defined..... An amount established by board direction to save for long-term capital expenditures (bldg, equipment, database). Res. #251 dated 06/13/12; Res. #260 dated 11/12/14

"Fund Balance" defined..... *Funds that are held in our bank account with Thurston County Treasurer's Office. ORCAA has one fund with Thurston County and is referred to as the "General Fund".

5/3/19 LMH *The total Fund Balance includes all funds on deposit at the bank.

Inspections Completed

Between 4/5/2019 and 5/3/2019

Insp. Date	Inspection Type	File #	Source Name	Location	Warning	NOV Issued
AMF						
04/09/2019	Full Compliance Evaluation	840	ARCO #5719 BPWC - PORT ANGELES	PORT ANGELES	<input type="checkbox"/>	<input type="checkbox"/>
04/09/2019	Full Compliance Evaluation	668	CLALLAM COUNTY PUBLIC WORKS -	PORT ANGELES	<input type="checkbox"/>	<input type="checkbox"/>
04/09/2019	Full Compliance Evaluation	738	EVERGREEN COLLISION - FRONT ST	PORT ANGELES	<input type="checkbox"/>	<input type="checkbox"/>
04/09/2019	Full Compliance Evaluation	905	USA FOOD MART & DELI LLC	PORT ANGELES	<input type="checkbox"/>	<input type="checkbox"/>
04/09/2019	Full Compliance Evaluation	334	MT PLEASANT VILLAGE & 76	PORT ANGELES	<input type="checkbox"/>	<input type="checkbox"/>
04/09/2019	Full Compliance Evaluation	909	THE FIRST RACE CAR WASH INC	PORT ANGELES	<input type="checkbox"/>	<input type="checkbox"/>
04/09/2019	Full Compliance Evaluation	911	SAFEWAY - PORT ANGELES #1922	PORT ANGELES	<input type="checkbox"/>	<input type="checkbox"/>
04/09/2019	Full Compliance Evaluation	892	PORTSIDE TEXACO	PORT ANGELES	<input type="checkbox"/>	<input type="checkbox"/>
04/10/2019	Investigation	856	BOULEVARD GAS & MINI MART	OLYMPIA	<input type="checkbox"/>	<input type="checkbox"/>
04/10/2019	Full Compliance Evaluation	509	JJP GROUP	OLYMPIA	<input type="checkbox"/>	<input type="checkbox"/>
04/12/2019	Full Compliance Evaluation	317	PORT ANGELES MARINE INC	PORT ANGELES	<input type="checkbox"/>	<input type="checkbox"/>
04/12/2019	Full Compliance Evaluation	985	TIRE TOWNE CFN	PORT ANGELES	<input type="checkbox"/>	<input type="checkbox"/>
04/12/2019	Full Compliance Evaluation	967	MASCO PETROLEUM - TUMWATER CF	PORT ANGELES	<input type="checkbox"/>	<input type="checkbox"/>
04/12/2019	Full Compliance Evaluation	982	MASCO PETROLEUM - PORT TOWNSE	PORT TOWNSEND	<input type="checkbox"/>	<input type="checkbox"/>
04/12/2019	Full Compliance Evaluation	170	MASCO PETROLEUM - PORT ANGELES	PORT ANGELES	<input type="checkbox"/>	<input type="checkbox"/>
04/12/2019	Full Compliance Evaluation	969	MASCO PETROLEUM - 727 MARINE DR	PORT ANGELES	<input type="checkbox"/>	<input type="checkbox"/>
04/12/2019	Full Compliance Evaluation	964	CARLSBORG CARDLOCK SEQUIM	SEQUIM	<input type="checkbox"/>	<input type="checkbox"/>
04/18/2019	Partial Compliance Evaluation	966	ROAD RUNNER FOOD MART	PORT ANGELES	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
04/26/2019	Full Compliance Evaluation	795	LACEY DOOR AND MILLWORK	LACEY	<input type="checkbox"/>	<input type="checkbox"/>
04/26/2019	Full Compliance Evaluation	894	GERBER COLLISION & GLASS - LACEY	LACEY	<input type="checkbox"/>	<input type="checkbox"/>
05/01/2019	Full Compliance Evaluation	517	RT LONDON CO	LACEY	<input type="checkbox"/>	<input type="checkbox"/>
JAD						
04/22/2019	Partial Compliance Evaluation	152	CROWN CORK & SEAL CO INC	OLYMPIA	<input type="checkbox"/>	<input type="checkbox"/>
04/29/2019	Partial Compliance Evaluation	152	CROWN CORK & SEAL CO INC	OLYMPIA	<input type="checkbox"/>	<input type="checkbox"/>

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Insp. Date	Inspection Type	File #	Source Name	Location	Warning	NOV Issued
04/30/2019	Full Compliance Evaluation	474	WESTPORT LLC	WESTPORT	<input type="checkbox"/>	<input type="checkbox"/>
LEW						
04/10/2019	Full Compliance Evaluation	509	JJP GROUP	OLYMPIA	<input type="checkbox"/>	<input type="checkbox"/>
04/30/2019	Full Compliance Evaluation	474	WESTPORT LLC	WESTPORT	<input type="checkbox"/>	<input type="checkbox"/>
MS						
04/08/2019	Full Compliance Evaluation	698	AUTO BODY BY THE BEACH	LONG BEACH	<input type="checkbox"/>	<input type="checkbox"/>
04/08/2019	Full Compliance Evaluation	1010	PENINSULA SANITATION SERVICE INC	ILWACO	<input type="checkbox"/>	<input type="checkbox"/>
04/08/2019	Full Compliance Evaluation	340	WILCOX & FLEGEL - PACIFIC FUEL DO	ILWACO	<input type="checkbox"/>	<input type="checkbox"/>
04/11/2019	Full Compliance Evaluation	173	STAFFORD CREEK CORRECTIONS CEN	ABERDEEN	<input checked="" type="checkbox"/>	<input type="checkbox"/>
04/16/2019	Full Compliance Evaluation	251	NASELLE CFN CARDLOCK	NASELLE	<input type="checkbox"/>	<input type="checkbox"/>
04/16/2019	Full Compliance Evaluation	208	WSDOT - TEF 437 NASELLE	NASELLE	<input type="checkbox"/>	<input type="checkbox"/>
04/22/2019	Partial Compliance Evaluation	152	CROWN CORK & SEAL CO INC	OLYMPIA	<input type="checkbox"/>	<input type="checkbox"/>
04/25/2019	Full Compliance Evaluation	400	BRIARWOOD FARMS	ROCHESTER	<input type="checkbox"/>	<input type="checkbox"/>
04/25/2019	Full Compliance Evaluation	932	FOODMART #3890 - SOUTH BEND	SOUTH BEND	<input type="checkbox"/>	<input type="checkbox"/>
04/29/2019	Partial Compliance Evaluation	152	CROWN CORK & SEAL CO INC	OLYMPIA	<input type="checkbox"/>	<input type="checkbox"/>
04/30/2019	Full Compliance Evaluation	252	HAWKS SUPERIOR ROCK	RAYMOND	<input type="checkbox"/>	<input type="checkbox"/>
RTM						
04/30/2019	Full Compliance Evaluation	474	WESTPORT LLC	WESTPORT	<input type="checkbox"/>	<input type="checkbox"/>
SMS						
04/10/2019	Full Compliance Evaluation	509	JJP GROUP	OLYMPIA	<input type="checkbox"/>	<input type="checkbox"/>
04/10/2019	Investigation	856	BOULEVARD GAS & MINI MART	OLYMPIA	<input type="checkbox"/>	<input type="checkbox"/>
04/24/2019	Full Compliance Evaluation	202	CHAMBERS PRAIRIE GENERAL STORE	OLYMPIA	<input type="checkbox"/>	<input type="checkbox"/>
04/24/2019	Full Compliance Evaluation	155	ARCO 7035	OLYMPIA	<input type="checkbox"/>	<input type="checkbox"/>
04/24/2019	Full Compliance Evaluation	1258	COOPER POINT CHEVRON	OLYMPIA	<input type="checkbox"/>	<input type="checkbox"/>
TG						
04/24/2019	Full Compliance Evaluation	1172	TRUFAB LLC	SHELTON	<input type="checkbox"/>	<input type="checkbox"/>
04/24/2019	Full Compliance Evaluation	204	CAMCO INC	SHELTON	<input type="checkbox"/>	<input type="checkbox"/>
04/24/2019	Full Compliance Evaluation	331	PROGLASS INC	SHELTON	<input type="checkbox"/>	<input type="checkbox"/>

Insp. Date	Inspection Type	File #	Source Name	Location	Warning	NOV Issued
04/26/2019	Full Compliance Evaluation	1132	DAVIS SAND & GRAVEL INC	SEQUIM	<input type="checkbox"/>	<input type="checkbox"/>
04/26/2019	Full Compliance Evaluation	341	PORT ANGELES HARDWOOD LLC	PORT ANGELES	<input type="checkbox"/>	<input type="checkbox"/>
04/26/2019	Full Compliance Evaluation	265	SEQUIM MARINE RESEARCH OPERATI	SEQUIM	<input type="checkbox"/>	<input type="checkbox"/>

Complaint Report for period from 4/5/2019 to 5/3/2019

Date	Source	City	Rec'd	Formal	Oncall	Online	Smoke	Odor	Open Fire	Dust	Woodstov	Other
Referred to:												
04/12/2019	TBD	Olympia	TG	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
04/22/2019	Cindy Fahlgren	Yelm	SMS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
04/23/2019	CHARLES E & DARLA J WORDEN	Olympia	DAN	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Referred to: AMF												
04/05/2019	Ernie Knol	Sequim		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
04/05/2019	Ostlund John & Shelia	Olympia		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
04/05/2019	TDB	Olympia		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
04/06/2019	TBD	Olympia	JW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
04/10/2019	Patricia Longnecker	Olympia	TG	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
04/10/2019	TBD			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
04/15/2019	Current Resident(s)	Olympia	JW	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
04/15/2019	DYLAN'S CORNER LLC	YELM	MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	leaky gas nozzle
04/15/2019	TBD	Olympia	JW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
04/16/2019	TBD			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
04/17/2019	Cady	Olympia	JW	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
04/18/2019	Bressi Family LLC / businesses	Olympia		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
04/18/2019	Patrick Cady	Olympia	JW	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
04/19/2019	Don Wolph	Olympia	MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
04/19/2019	K A K Inc & Current resident(s)	Olympia		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
04/21/2019	George Sampson, Current Resident(s)	Olympia	JW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
04/30/2019	Abdullah Ly	Olympia	AMF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
04/30/2019	Hagen, Richard	Yelm	AMF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
04/30/2019	Lawson, Laurel	Yelm	AMF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
05/01/2019	Randy	Olympia	DJM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
05/01/2019	Staab, Ronald & Teresa, Current Resident(s)	Olympia		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
05/02/2019	Chavez, Jamie	Yelm		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
05/02/2019	Skip Hash, Debbie Dewberry	Hoodsport		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Date	Source	City	Rec'd	Formal	Oncall	Online	Smoke	Odor	Open Fire	Dust	Woodstov	Other
05/03/2019	Rogers, Christopher	Olympia	AMF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Referred to: MS												
04/05/2019	J & D Painting	Port Hadlock	MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	sandblast dust off site.
04/12/2019	Monte Terry - owner Robert Parbin - burner	Copalis Beach	MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
04/15/2019	Jason and Deanna Napoleon	Olympia	MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
04/15/2019	Lorri Bowman	Naselle	MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
04/23/2019	TBD	OAKVILLE	AMF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
04/24/2019	Randy Simmons	Port Angeles	MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
04/30/2019	Ricki Bayne	South Bend	MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
05/02/2019	PACIFIC GRO LLC	RAYMOND	MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Referred to: RTM												
05/03/2019	Toby Vance	Quilcene	RTM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Referred to: SMS												
04/16/2019	Neighbor	Olympia	JW	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
04/23/2019	unknown	Shelton	DJM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
04/26/2019	Reise, Roger & Twila	Rainier	SMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
04/26/2019	Scott German	HOQUIAM	SMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
04/26/2019	Thomas Webb	Tenino	SMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
04/30/2019	Bobby Garber	Olympia	SMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
04/30/2019	unknown	Olympia	DJM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
05/01/2019	Christopher & Tamilea Carlberg	Elma	SMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Garbage
05/01/2019	Richard Hagen	Yelm	SMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Referred to: TG												
04/09/2019	TBD	Tenino	TG	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
04/18/2019	MERVIN MANUFACTURING	SEQUIM	MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
04/22/2019	Brian Crist	Olympia	JW	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
04/23/2019	TBD	OAKVILLE	TG	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
04/24/2019	Sill, Chris & Pamela	Hoodsport	AMF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
04/25/2019	Sill, Chris & Pamela	Hoodsport	DJM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
04/27/2019	Sill, Chris & Pamela	Hoodsport	DJM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
04/28/2019	Sill, Chris & Pamela	Hoodsport	DJM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	garbage
04/28/2019	Sill, Chris & Pamela	Hoodsport	DJM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Date	Source	City	Rec'd	Formal	Oncall	Online	Smoke	Odor	Open Fire	Dust	Woodstov	Other
04/29/2019	Sill, Chris & Pamela	Hoodsport	DJM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
04/30/2019	unknown	Olympia	DJM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
05/01/2019	Sill, Chris & Pamela	Hoodsport	DJM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
05/01/2019	Sill, Chris & Pamela	Hoodsport	DJM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
05/02/2019	Sill, Chris & Pamela	Hoodsport	DJM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
05/02/2019	Sill, Chris & Pamela	Hoodsport	DJM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
05/03/2019	Sill, Chris & Pamela	Hoodsport	DJM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
05/03/2019	Sill, Chris & Pamela	Hoodsport	DJM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Asbestos Permit Status Report

Permit #	Staff	Rec'd	Address	City	Status	Completion Date	Actual Completion
18ASB006178	MS	5/7/2018	700 Isreal Rd	Tumwater	They need completion date, contractor inf	5/7/2019	
18ASB006183		5/14/2018	2637 45th Ave SE	Olympia	Permit cannot go beyond May 14-2019	9/9/2018	
18ASB006188		5/16/2018	1835 Circle Loop SE	Lacey	Completion date can be no later than 5/1	6/15/2019	
18ASB006189	PFM	5/17/2018	3900 Lindsay Hill Rd	Quilcene	completion date can be no later than 5/17	5/26/2019	
18ASB006193	MS	5/21/2018	Water System - Piping	Ocean Park	completion date can be no later than 5/21	5/30/2019	
18ASB006219	MS	6/11/2018	222 Wynoochee Ave	Montesano	ER letter sent - water damage to popcorn	6/17/2018	
18ASB006330		8/22/2018	413 Lilly Rd NE	Olympia	Keith Deline - Project Mgr. 360 4937234	9/10/2018	
18ASB006339		8/29/2018	210 11th Ave SE	Olympia		10/5/2018	
18ASB006348	RTM	9/3/2018	716 Dennis St SE#102	Tumwater	edenvirolc@gmail.com	9/5/2018	
18ASB006396		9/28/2018	7842 Trails End Drive	Tumwater		1/31/2019	
18ASB006444	MS	11/6/2018	100 Custer Way SW	Tumwater	12/3/18 Rec'd Landfill notice for 55 bags.	1/1/2019	
18ASB006457		11/16/2018	COHO Ferry Terminal	Port Angeles	This permit will expire 11/16/19	12/3/2019	
18ASB006472	MS	11/30/2018	1902 Marine Dr	Port Angeles	PO # 7131400085 - Annual notification.	12/31/2019	
18ASB006476		12/4/2018	1214 W First St	South Bend	City contact: Dennis Houk/Ravenel 360	12/21/2018	
18ASB006486		12/14/2018	2413 15th Ave SE	Olympia	Filed duplicate entry today (12/17/18....h	12/31/2018	
18ASB006488		12/14/2018	Puget Sound Energy-All Counties	Olympia	Transite Pipe removal as needed. All Cou	12/31/2019	
18ASB006495	MS	12/20/2018	521 W Curtis	Aberdeen	New to us contractor. Robbin's Air Inc, P	7/1/2019	
18ASB006499		12/21/2018	1067 Cherry St SE	Olympia	Apt building - NESHAP? Survey? Work	2/28/2019	
18ASB006501		12/26/2018	1600 N Nyhus St	Westport	Project Contact: c/o H&H Bldrs.	2/28/2019	
19ASB006504		1/2/2019	6315 Gull Harbor Dr NE	Olympia	Expires 1/2/20	1/14/2020	
19ASB006509		1/4/2019	101 W 2nd St	Aberdeen	Other: Mastic	12/31/2019	
19ASB006513		1/8/2019	WA State Capital Campus	Olympia	Other: boiler/furnance, duct insulation, fir	1/1/2020	

Permit #	Staff	Rec'd	Address	City	Status	Completion Date	Actual Completion
19ASB006536		1/30/2019	534 East K Street	Shelton	Shelton School District.	7/12/2019	
19ASB006547	TG	2/8/2019	111 East Front St	Port Angeles	Labs only - indicates demo. To TG to revi	7/31/2019	
19ASB006554	TG	2/13/2019	105 East Front St	Port Angeles	Other: roofing, window caulking	7/31/2019	
19ASB006565		2/26/2019	2309 Queets Ave	Hoquiam		4/12/2019	
19ASB006566		2/26/2019	5939 Shincke Rd NE	Olympia	* New to us contractor. Req't start date o	5/6/2019	
19ASB006568		3/1/2019	3729 Goldcrest Heights NW	Olympia		4/30/2019	
19ASB006576		3/8/2019	322 Milroy St NW	Olympia	Other Material: Siding	9/9/2019	
19ASB006581		3/12/2019	301 T St SW	Tumwater	Bldg F, not S.	3/27/2019	
19ASB006596	MS	3/22/2019	200 Delphi Rd SW	Olympia	phones and discovered prevous notificati	8/31/2019	
19ASB006601		3/27/2019	702 S Pine St	Port Angeles	Other Landfill ? Port Angeles Solid Wast	7/31/2019	
19ASB006603		3/28/2019	85 Knappton Rd	Naselle	Submitted labs and L & I Asb Cert.	5/4/2019	
19ASB006615		4/2/2019	382 Lower Elwha Rd	Port Angeles	Other Material: Roofing		
19ASB006617	MS	4/3/2019	7000 Pacific Ave SE	Lacey	No letter of explanation. Previous notific	4/3/2020	
19ASB006618		4/2/2019	1529 W Sequim Bay Rd	Sequim		6/28/2019	
19ASB006624		4/3/2019	1357 Thurston Ave NE	Olympia		5/3/2019	
19ASB006626		4/9/2019	4220 6th Ave SE	Lacey	Other Materials: Roofing, window caulkin	7/31/2019	
19ASB006631		4/8/2019	200 East Lauridsen Boulevard	Port Angeles	Other Material: boiler/furnace	5/31/2019	
19ASB006638		4/17/2019	931 McCormick St NE	Olympia	emailed contractor to correct completion	5/10/2019	
19ASB006639		4/17/2019	450 2nd St	Raymond	Other: Caulking	5/13/2019	
19ASB006640		4/18/2019	5505 17th Ave NE	Olympia		5/8/2019	
19ASB006641		4/17/2019	4045 49th Ave SW #73	Olympia	Other Materal: Roofing.	5/1/2019	
19ASB006642		4/18/2019	325 W Main St	Elma		5/10/2019	
19ASB006643		4/18/2019	615 30th St.	Hoquiam	Other Material: roofing.	5/8/2019	
19ASB006644		4/18/2019	410 W Wishkah St	Aberdeen	Other materials: roofing.	5/31/2019	
19ASB006645		4/18/2019	508 Simpson Ave	Aberdeen	Other Material: duct insulation	5/3/2019	

Permit #	Staff	Rec'd	Address	City	Status	Completion Date	Actual Completion
19ASB006647		4/19/2019	222 Capital Way	Olympia		5/17/2019	
19ASB006648		4/20/2019	18 Nancy Ln	Copalis Beach	specific work hrs: 8:30 AM - 6:00 PM Tu	5/1/2019	
19ASB006649		4/22/2019	490 5th Ave to 415 N Sequim Ave	Sequim	transite pipe	5/21/2019	
19ASB006652		4/23/2019	1621 N Colony Surf Dr	Lilliwaup	roofing	5/3/2019	
19ASB006653		4/23/2019	5539 Oceanview Dr	Taholah	roofing	5/9/2019	
19ASB006654		4/24/2019	804 Washington Ave S	Long Beach	survey in network folder	5/6/2019	
19ASB006657		4/25/2019	1365 W Schafer State Park Rd	Elma	roofing tar	5/7/2019	
19ASB006658		4/25/2019	261461 Hwy 101	Sequim		5/10/2019	
19ASB006659		4/25/2019	122 E Front St	Port Angeles	boiler	5/10/2019	
19ASB006661		4/29/2019	419 Mill Rd	Sequim	roofing and window putty	5/9/2019	
19ASB006663		4/29/2019	703 Simpson Ave	Hoquiam	roofing	12/31/2019	
19ASB006664		4/29/2019	359 Oak St	Aberdeen	mastic	5/31/2019	
19ASB006665		4/29/2019	2197 E Hoquiam Rd	Hoquiam	window putty	5/8/2019	
19ASB006666		4/30/2019	13 School House Rd	Port Angeles	roofing and window putty	5/14/2019	
19ASB006667		5/1/2019	211 Washington Ave SE	Yelm		5/14/2019	
19ASB006668		5/2/2019	1921 College St SE	Lacey		5/31/2019	
19ASB006669		5/2/2019	2602 W 18th St	Port Angeles	roofing, caulking, window putty	6/5/2019	
19ASB006670	AMF	5/3/2019	65 Furford Ln	Elma	5/3/2019 2:00PM - AMF emailed to appro	5/4/2019	
19ASB006671		5/3/2019	1181 E Ballow	Shelton		5/16/2019	

Demolition Notifications received between 4/5/2019 and 5/3/2019

Permit#	Rec'd	Staff	Address	City	Status	Asb Survey	Asb Permit #
19DEM005386	4/5/2019		6922 Cedar Flats Rd SW	Olympia	Walk in - Paper App	<input checked="" type="checkbox"/>	ASB
19DEM005387	4/8/2019	TG	38 Plum St	Aberdeen	Project size: 3 ?? No survey.	<input checked="" type="checkbox"/>	ASB
19DEM005388	4/8/2019	RTM	2721 26th Ave NE	Olympia	requ't start date 4/1/19.	<input type="checkbox"/>	ASB
19DEM005389	4/9/2019	TG	404 W Oak Street	Oakville	04/11/2019 - ER from city rcv'd, will	<input checked="" type="checkbox"/>	ASB
19DEM005390	4/11/2019		30810 Stackpole Rd	Ocean Park	asbestos amount below notification	<input checked="" type="checkbox"/>	ASB
19DEM005391	4/15/2019	AMF	1201 St Rt 109	Hoquiam	Project size: 1000.	<input checked="" type="checkbox"/>	ASB
19DEM005392	4/15/2019		2911 272nd Street	Ocean Park	Project Size: 720 ft	<input checked="" type="checkbox"/>	ASB
19DEM005393	4/17/2019	AMF	650 Marine Dr. NE	Olympia	Project size: 320. - No survey was	<input type="checkbox"/>	ASB
19DEM005394	4/17/2019	TG	3925 183rd SW	Rochester	start date req't 4/1/19-Verified via T	<input checked="" type="checkbox"/>	ASB
19DEM005395	4/18/2019		215 Francis	Port Angeles	No survey- rec'd. No \$\$\$- invoice r	<input type="checkbox"/>	ASB
19DEM005396	4/17/2019		4045 49th Ave SW#73	Olympia	Walk in - Paper App.	<input checked="" type="checkbox"/>	19ASB006641
19DEM005397	4/18/2019	RTM	100 Custer Way	Olympia	Walk in - Paper App. ER fee & Lett	<input type="checkbox"/>	18ASB006444
19DEM005398	4/19/2019	AMF	5095 Lost Mountain Road	Port Angeles	New to us contractor. No survey w/	<input type="checkbox"/>	ASB
19DEM005399	4/23/2019		126 S 7th St	McCleary		<input checked="" type="checkbox"/>	ASB
19DEM005400	4/24/2019		3812 Pacific Ave	Lacey		<input checked="" type="checkbox"/>	ASB
19DEM005401	4/24/2019	RTM	423 Williamson	Sequim		<input checked="" type="checkbox"/>	ASB
19DEM005402	4/24/2019		930 E Mason Benson Rd	Shelton		<input checked="" type="checkbox"/>	ASB
19DEM005403	4/25/2019		19805 161st Way SE	Yelm		<input checked="" type="checkbox"/>	ASB
19DEM005404	4/25/2019		2107 162nd	Long Beach		<input checked="" type="checkbox"/>	ASB
19DEM005405	4/25/2019		562 Hidden Trails Rd	Port Townsend		<input type="checkbox"/>	ASB
19DEM005406	4/29/2019		106 Yelm Ave	Yelm		<input checked="" type="checkbox"/>	ASB
19DEM005407	4/29/2019		2603 Carpenter Rd NE	Lacey		<input checked="" type="checkbox"/>	ASB
19DEM005408	4/30/2019	AMF	13 School House Rd	Port Angeles		<input checked="" type="checkbox"/>	19ASB006666

Permit#	Rec'd	Staff	Address	City	Status	Asb Survey	Asb Permit #
19DEM005409	4/30/2019	TG	7012 Woodard Bay Rd	Olympia		<input checked="" type="checkbox"/>	ASB
19DEM005410	4/30/2019		Adelia Street East	Ilwaco		<input checked="" type="checkbox"/>	ASB
19DEM005411	5/1/2019		20619 Birch St	Ocean Park		<input checked="" type="checkbox"/>	ASB
19DEM005412	5/1/2019		2300 Calawah Way	Forks		<input checked="" type="checkbox"/>	ASB
19DEM005413	5/2/2019	TG	4125 Dent Rd SW	Olympia		<input checked="" type="checkbox"/>	ASB
19DEM005414	5/3/2019		1509 Aberdeen Ave	Aberdeen		<input checked="" type="checkbox"/>	ASB



Current ORCAA Land Clearing Burn Permit

FireDistrict	Expiration	#	Legal Desc	Burn Site Address	City	Last Name	CompanyName	Phone
	5/25/2019	4729	Sec14 T19R02w	7315 Byron St NE	Olympia	Lenzi	KCL Excavating Inc	(360) 489-73
CFD #3, Sequim	5/4/2019	4702	Sec27 T30R05W	3092 Obrien Road	Port Angeles		Adamire Concrete & Excavating, Inc	(360) 461-07
	5/8/2019	4707		N. Windflower Ln	Port Angeles	Rodman	Eden Excavating	(360) 457-37
	5/9/2019	4709		Parcel#05301113000	Port Angeles	Ulsh		(253) 549-22
	5/9/2019	4711		246 Industrial Parkway	Sequim	Butcher		(360) 808-11
	5/10/2019	4713		771 Sherburne Rd	Sequim	Sorensen	Sorenson Excavating	(360) 775-48
	5/15/2019	4714		81 Madrona Way	Sequim		Diamond Construction	(360) 683-22
	5/18/2019	4721		455 Afternoon Hill Lane	Port Angeles	Anderson		(360) 417-91
	5/19/2019	4724		31 Redwood Ln	Sequim	Zetty		(360) 710-92
	5/19/2019	4715		372 Guiles Road	Sequim	Thoman		(360) 461-84
	5/22/2019	4725		2104 Happy Valley Road	Sequim	Houck		(503) 867-03
	5/30/2019	4734		9141 Palo Alto	Sequim	Sargent		(360) 460-77
CFD #4, Joyce	5/4/2019	4703	Sec02 T30R08W	232 Durrwachter Rd	Port Angeles	Hemley	Septic Installations	(253) 857-45
Elma Fire Department	5/15/2019	4718		SR 8 & South Union Road	Elma	Bagnell		(360) 581-98

FireDistrict	Expiration	#	Legal Desc	Burn Site Address	City	Last Name	CompanyName	Phone
GHFD #12	5/5/2019	4706		103 E Mox Chehalis Rd	McCleary	Skeem		(425) 765-11
	5/9/2019	4710		80 McConkey Ln	McCleary	Lewis		(360) 789-66
GHFD #17, Humptulips/Axford	5/29/2019	4731		8 River View Dr	Humptulips	Shincke		(360) 507-43
GHFD #2, Central Park - Brady	5/3/2019	4701	Sec34 T18R07W	20 Evergreen Ln	Montesano	Howarth		(360) 791-14
Jefferson County FD 8	5/9/2019	4712	Sec28 T30R02w	1368 Gardiner Beach Rd	Gardiner		W.C.E. Contractors	(402) 332-60
McCleary Fire Department	5/17/2019	4719		53 E Elma Hicklin Rd	McCleary	Lewis		(360) 580-68
PFD #5, Grayland	5/5/2019	4705		1706 Blake Rd	Grayland	Reichenberge		(360) 581-00
TFD #11, Littlerock	5/18/2019	4722		5923 95th Ave SW	Olympia	Sokso		(360) 239-86
TFD #12, Tenino	5/15/2019	4717	Sec32 T16R02W	18234 Presley Ln SW	Rochester	Davis		(360) 239-29
	5/26/2019	4730		612 143rd Ave SE	Tenino	Webb		(360) 789-97
TFD #13, Griffin	5/23/2019	4728	Sec36 T19R03W	4014 Steamboat Island Rd NW	Olympia	Williams		(425) 308-96
	5/30/2019	4732	Sec25 T19R03W	4604 Steamboat Island Rd	Olympia	Hoxit		(360) 701-31
TFD #2, Yelm	5/15/2019	4716	Sec20 T20R02E	16028 Agate St SE	Yelm	Griffin		(360) 349-27

FireDistrict	Expiration	#	Legal Desc	Burn Site Address	City	Last Name	CompanyName	Phone
TFD #3, Lacey	5/23/2019	4727	Sec01 T17R01W	7208 Engelwood Dr SE	Olympia		vppllc	(719) 645-27
	5/30/2019	4733	Sec30 T19R01E	5044 Meridian Rd NE	Olympia	Marstrom		(360) 791-40
TFD #4, Rainier	5/4/2019	4704	Sec33 T17R01E	11304 Price Lane SE	Rainier	Lincoln		(360) 458-43
	5/18/2019	4723	Sec08 T16R01E	13939 Sunny Ct SE	Rainier		Rainier General Development, Inc.	(360) 440-00
	5/22/2019	4726	Sec07 T16R01E	10206 138th Ave SE	Rainier		Justice Construction	(235) 310-23
TFD #8, South Bay	5/30/2019	4735	Sec04 T18R01W	5331 Pleasant Glade Rd NE	Olympia	Garver		(360) 470-64

NOV Monthly Report

For the period 4/5/2019 to 5/3/2019

NOV #	Name	Issued by	City	Regulation(s)		NOV Issued	Penalty Assessed	Amount Suspended	Amount Paid	Penalty Issued
3766	SEAVIEW TEXACO	TG	PACIFIC	Rule 3.1(d)	Failure to pay Annual Registration fees	11/01/2018	\$500.00		\$500.00	03/28/2019
3786	BARTHALD	MS	PACIFIC	Rule 6.2.5(c)	Person must be in attendance of fire	01/18/2019	\$100.00			04/08/2019
3787	BRUMLEY OR TRESSA	AMF		Rule 6.2.8(c)(4)	Landclearing burn without permit	01/17/2019	\$500.00	\$250.00	\$250.00	03/29/2019
3788	LININGER	AMF	THURSTON	Rule 6.2.5(a) Rule 6.2.6(a)	Burning Prohibitives Burn Ban	01/17/2019	\$5,000.00			04/09/2019
3790	BOULEVARD GAS & MINI MART	AMF	THURSTON	Condition 7 - 15NOC1101	Boulevard Gas & Mini Mart - 15NOC1101	01/17/2019	\$1,000.00	\$500.00	\$500.00	03/29/2019
3791	DYLAN'S CORNER LLC	AMF		Condition 5 04NOC371	Dylan's Corner - 04NOC371	01/17/2019	\$750.00		\$750.00	04/03/2019
3801	HULBERT MANAGEMENT SERVICES, LLC	AMF	JEFFERSON	Rule 6.1(a)	Failure to file NOC	05/02/2019				
3803	OLSON	MS	PACIFIC	Rule 6.2.5(a)	Burning Prohibitives	04/05/2019				
3806	PACIFIC ENVIRONMENTAL SERVICES COMPANY	AMF	MASON	Rule 6.1(a)	Failure to file NOC	04/05/2019				
3807	DOWNEY	SMS	MASON	Rule 6.2.5(a)	Burning Prohibitives	04/05/2019				
3809	BECKER	MS	CLALLAM	Rule 6.3.2(b) Rule 6.3.4(a)	Demo without AHERA survey asbestos/demo work without notification/fee	04/15/2019				
3810	BECKER	MS	CLALLAM	Rule 6.3.3(a)(2)	asbestos emissions during collection, processing, etc	04/15/2019				

NOV #	Name	Issued by	City	Regulation(s)		NOV Issued	Penalty Assessed	Amount Suspended	Amount Paid	Penalty Issued
3812	ROAD RUNNER FOOD MART	AMF	CLALLAM	Rule 6.2.8(b)	Failure to comply with conditions of permit	04/18/2019				
Totals:							\$12,850.00	\$750.00	\$2,000.00	

Industrial / Commercial Air Permits

Pending and Final Permits for period from 04/05/2019 to 05/03/2019

Facility_Name	City	Type	NOC_No	Facility Category	Description	Eng	Application Received	Status	Date of Status Update
CAPITOL CITY PRESS	TUMWATER	NOC	14NOC1064	Printing/Paper Products	get approval for after-the-fact installation of printing presses	LEW	9/19/2014	final permit delivered	5/3/2019
CHEEMA MARKET AND SINGHS PIZZA	McCLEARY	ADM	19ADM1331	Gasoline Distribution	update and replace 15ADM1137	LEW	3/25/2019	hand off for final signatures	4/26/2019
CHEEMA MARKET AND SINGHS PIZZA	McCLEARY	ADM	19ADM1331	Gasoline Distribution	update and replace 15ADM1137	LEW	3/25/2019	final permit delivered	4/26/2019
GOOD CRUSHING INC	TENINO	NOC	19NOC1338	Sand and Gravel	Switch to a Rock crushing General Order permit	AM	3/14/2019	final permit delivered	4/9/2019
GOOSE POINT OYSTERS	TOKELAND	NOC	19NOC1333	Food Processing	install a new diesel-fired boiler	LEW	2/27/2019	final permit delivered	4/26/2019
HOOD CANAL OUTFITTERS INC	HOODSPORT	NOC	19NOC1341	Gasoline Distribution	Reconstruction of an existing gas station	LEW	4/8/2019	final permit delivered	5/3/2019
LAKESIDE INDUSTRIES - PORT LUDLOW	PORT LUDLOW	NOC	19NOC1328	Asphalt Production	modify condition 6 and 15(f) of 13NOC963	MVG	2/13/2019	final permit delivered	4/23/2019
MASCO PETROLEUM -	ABERDEEN	ADM	19ADM1339	Gasoline Distribution	update testing requirements	LEW	3/29/2019	final permit delivered	5/3/2019
SETINA MFG CO - YELM HWY	OLYMPIA	NOC	18NOC1274	Metal Fabrication/Coating	establish metal fabrication facility including welding, metal cutting, and abrasive blasting (after-the-fact)	AM	3/28/2018	final permit delivered	4/23/2019
7-ELEVEN 32832 - CROSBY BLVD	TUMWATER	ADM	19ADM1346	Gasoline Distribution	Correct required testing frequencies in current NOC	LEW	4/23/2019	hand off to engineer	4/23/2019

Facility_Name	City	Type	NOC_No	Facility Category	Description	Eng	Application Received	Status	Date of Status Update
ALTA FOREST PRODUCTS	SHELTON	NOC	18NOC1302	Lumber Mill - Logging	use oil stain in a flow coater and a addition of an automated spray booth	AM	9/20/2018	waiting on SEPA	4/29/2019
AQUATIC CO	YELM	RFC	18RFC1287	Fiberglass/Marine Services	incorporate conditions from 17NOC1256	MVG	6/1/2018	draft in progress	1/3/2019
AQUATIC CO	YELM	NOI	19NOI1340	Fiberglass/Marine Services	add protective coating polymer to spray operations	MVG	4/17/2019	initial payment received, hand off to engineers	4/17/2019
ARBOR CENTRE CHEVRON	LACEY	NOC	19NOC1314	Gasoline Distribution	remove Stage II vapor recovery system	LEW	1/2/2019	incomplete application - waiting on data response	1/10/2019
ASCENSUS SPECIALTY	ELMA	AOP	15AOP1134	Chemicals	renew AOP	JAD	11/4/2015	draft in progress	3/22/2019
BELCO SHELTON MILL	SHELTON	NOC	18NOC1294	Wood Products	install a baghouse	LEW	7/26/2018	final pending final payment	5/1/2019
BHP BILLITON CANADA INC	HOQUIAM	NOC	18NOC1301	Chemicals	establish a potash terminal	AM	9/20/2018	incomplete application - waiting on data response	4/17/2019
CARDINAL CG	TUMWATER	NOC	18NOC1312	Manufacturing	permit after-the-fact boiler	LEW	12/31/2018	incomplete application - waiting on data response	1/31/2019
CEDAR CREEK CORRECTIONS	LITTLEROCK	MOD	16MOD1143	Corrections Center	modify conditions in approval order	AM	1/28/2016	on hold - per source	1/3/2019
CHEVRON - PLUM	OLYMPIA	ADM	19ADM1334	Gasoline Distribution	correct incorrect testing requirements listed in 12MOC872	LEW	4/16/2019		

Facility_Name	City	Type	NOC_No	Facility Category	Description	Eng	Application Received	Status	Date of Status Update
CITY OF LONG BEACH - WWTP AND COMPOST FACILITY	LONG BEACH	NOC	19NOC1330	Waste Water Treatment Plant	establish screw press, mixer, in-vessel compost tunnels and after-the-fact emergency engine	JAD	2/22/2019	draft in progress	4/26/2019
COMPOSITE RECYCLING TECHNOLOGY CENTER	PORT ANGELES	NOI	19NOI1335	Landfill and Recycling	after-the-fact request for exemption from NSR based on de-minimis emissions from curing scrap prepreg carbon fiber material in heated presses and ovens.	LEW	3/1/2019	waiting on data request	4/23/2019
CONTANDA TERMINALS LLC	HOQUIAM	NOC	14NOC1074	Chemicals	install storage tanks and vapor combustion units	AM	12/1/2014	waiting on SEPA	1/3/2019
COSTCO GASOLINE FACILITY #64 - TUMWATER	TUMWATER	NOC	19NOC1343	Gasoline Distribution	modify condition 2 of 16MOD1147. Increase gasoline throughput limit to 36 million gallons per year.	LEW	4/18/2019	initial payment received, hand off to engineers	4/19/2019
CROWN CORK & SEAL CO INC	OLYMPIA	NOC	19NOC1336	Manufacturing	use two new inside spray lacquers	JAD	3/4/2019	hand off to Debbie for final paymnet	5/2/2019
E & L COATINGS NORTHWEST LLC	TENINO	NOC	19NOC1344	Metal Fabrication/Co	install a paint booth and blast booth		4/19/2019	completeness determination pending	5/2/2019
FOX LUMBER CO	MONTESANO	NOC	17NOC1242	Lumber Mill - Logging	after-the-fact review of cyclone	LEW	8/1/2017	draft pending source review	4/15/2019
FRED MEYER FUEL #186	LACEY	ADM	19ADM1348	Gasoline Distribution	Correct required testing frequencies in current NOC	LEW	4/23/2016	hand off to engineer	4/23/2019

Facility_Name	City	Type	NOC_No	Facility Category	Description	Eng	Application Received	Status	Date of Status Update
GRAYS HARBOR ENERGY LLC	ELMA	AOP	09AOP672	Energy Production	Air Operating Permit - Initial	MVG	4/24/2009	draft in progress	1/3/2019
LAKESIDE - PORTABLE CRUSHER	PORTABLE	NOC	19NOC1342	Sand and Gravel	general rock crushing order		4/22/2019	draft pending internal review	4/19/2019
LAKESIDE INDUSTRIES - PORT	PORT ANGELES	NOR	19NOR1329	Asphalt Production	modify 00NOC009	MVG	2/13/2019	final pending final payment	4/16/2019
LAKESIDE INDUSTRIES - PORT	PORT ANGELES	NOR	19NOR1329	Asphalt Production	modify 00NOC009	MVG	2/13/2019	hand off to Debbie for final paymnet	4/16/2019
MASCO PETROLEUM - 727 MARINE DR PLANT	PORT ANGELES	ADM	19ADM1345	Gasoline Distribution	remove non-applicable rules from 12NOC896	LEW	4/23/2019	draft in progress	4/24/2019
McKINLEY PAPER COMPANY	PORT ANGELES	NOC	19NOC1327	Printing/Paper Products	establish a stock preparation project	MVG	3/11/2019	initial payment received, hand off to engineers	3/11/2019
McKINLEY PAPER COMPANY	PORT ANGELES	AOP	18AOP1300	Printing/Paper Products	renew AOP (11AOP816)	MVG	9/4/2018	on hold - per source	1/3/2019
MOBIL GASOLINE #62512	TUMWATER	ADM	19ADM1347	Gasoline Distribution	Correct required testing frequencies in current NOC	LEW	4/23/2019		
MT PLEASANT LANDFILL	PORT ANGELES	NOR	19NOR1332	Landfill and Recycling	modify 02NOC243		2/22/2019	final pending final payment	4/1/2019
MUTUAL MATERIALS - LACEY	LACEY	NOC	17NOC1237	Concrete Batch Plant	after-the-fact paver stone tumbler	LEW	9/6/2017	hand off to Debbie for final paymnet	4/23/2019
PORT ANGELES HARDWOOD LLC	PORT ANGELES	MOD	17MOD1243	Wood Products	modify condition 1	AM	8/8/2017	draft in progress	1/3/2019
RESURRECTION AUTO BODY AND	OLYMPIA	NOC	17NOC1251	Automotive Services	install after-the-fact spray booth	AM	9/12/2017	on hold - pending initial payment	9/13/2017
SIERRA PACIFIC INDUSTRIES -	ABERDEEN	AOP	12AOP873	Lumber Mill - Logging	renew AOP permit	AM	1/11/2012	draft in progress	1/3/2019
SIERRA PACIFIC INDUSTRIES -	SHELTON	NOR	19NOR1326	Lumber Mill - Logging	modify condition 3G of 15NOC1128	MVG	2/13/2019	initial payment received, hand off to engineers	2/13/2019

Facility_Name	City	Type	NOC_No	Facility Category	Description	Eng	Application Received	Status	Date of Status Update
SIERRA PACIFIC INDUSTRIES -	SHELTON	NOR	19NOR1326	Lumber Mill - Logging	modify condition 3G of 15NOC1128	MVG	2/13/2019	on hold - pending initial payment	2/13/2019
SIERRA PACIFIC INDUSTRIES -	SHELTON	RFC	19RFC1321	Lumber Mill - Logging	Align due dates for ACC and SAMR	MVG	2/1/2019	initial payment received, hand off to engineers	2/1/2019
SIMPSON DOOR CO	McCLEARY	RFC	19RFC1319	Wood Products	correct condition R2	MVG	1/30/2019	draft in progress	2/1/2019
SOUTH BAY VETERINARY	OLYMPIA	NOC	19NOC1350	Medical Facility	install an ethylene oxide gas sterilizer		4/29/2019	on hold - pending initial payment	4/29/2019
TACC	TUMWATER	NOC	17NOC1255	Automotive Services	install after-the-fact spray booth	AM	9/26/2017	hand off to Debbie for final paymnet	4/26/2019
TACC	TUMWATER	NOC	17NOC1255	Automotive Services	install after-the-fact spray booth	AM	9/26/2017	final pending final payment	4/26/2019
WESTPORT LLC	WESTPORT	AOP	14AOP1029	Fiberglass/Marine Services	renew AOP	JAD	3/7/2014	draft in progress	4/29/2019
WESTPORT LLC	WESTPORT	REV	09REV702	Fiberglass/Marine Services	modify #07AOP575 to remove conditions 4.18 and 6.12 and incorporate requirements from 40 CFR Part 63 Subpart II.	JAD	9/3/2009	draft in progress	4/29/2019
WEYERHAEUSER NR RAYMOND	RAYMOND	AOP	12AOP915	Lumber Mill - Logging	renew 04AOP387	AM	8/1/2012	draft pending source review	3/21/2019



Air Quality Monitoring Summary

April 2019

Odelle Hadley, PhD

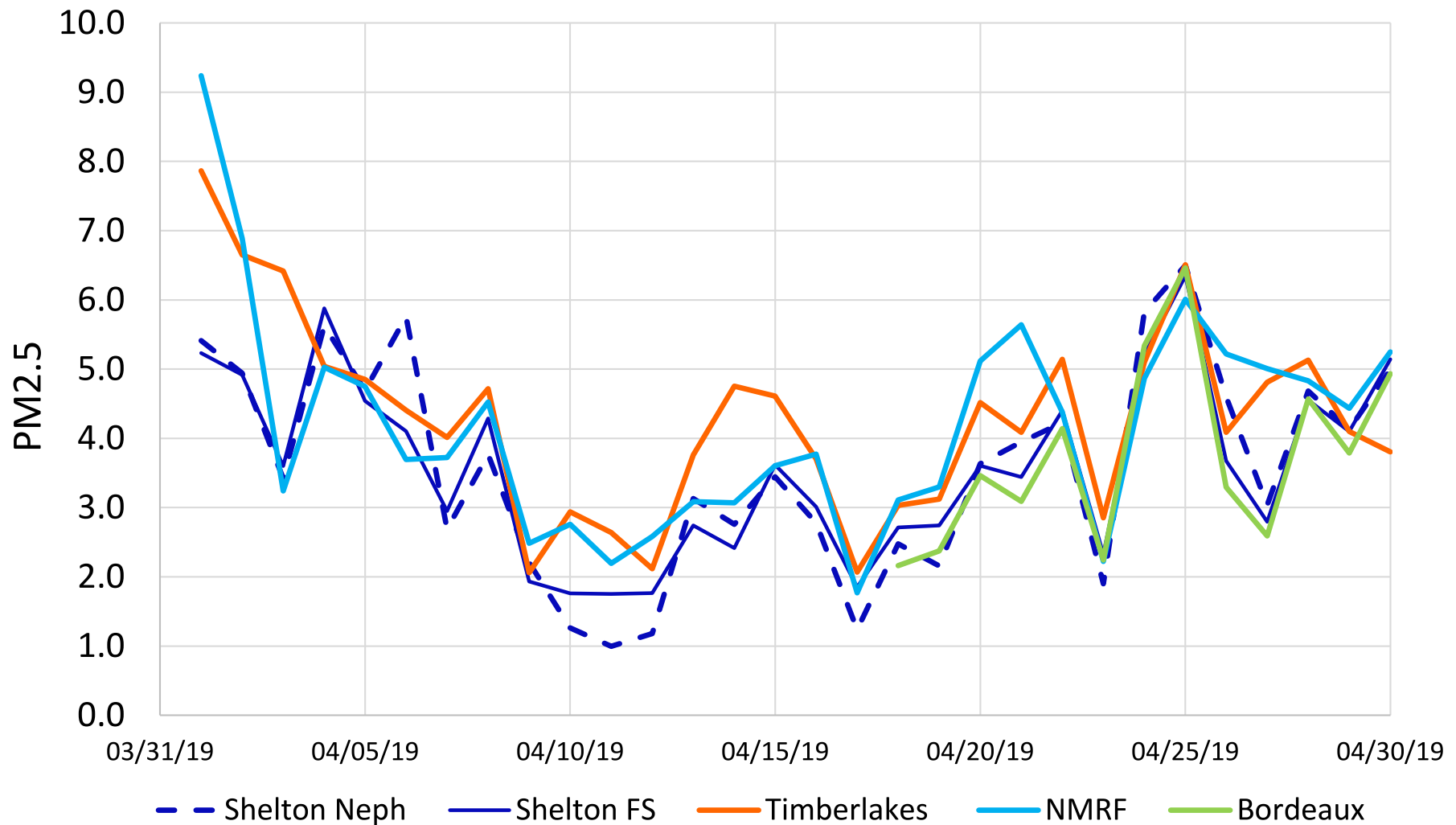
2019 April Air Quality Summary – PM2.5

	Minimum	Average	Maximum	GOOD	MOD	USG	UH	VUH
Aberdeen	1.9	3.5	6.4	30				
Cheeka Peak*	0.5	1.6	2.9	26				
Lacey	1.5	3.0	5.3	30				
Port Angeles	3.3	4.7	6.7	30				
Port Townsend	3.1	3.9	5.4	30				
Shelton	0.9	3.5	6.5	30				
South Bend	1.6	2.8	5.1	29				

*Extended power outage at CPO caused 4 days of data loss

Mason County Saturation Study

April 2019



Data have been corrected to be consistent with the Shelton nephelometer

Monitoring Activities

Odelle

- Community Toxics Grant
 - Support student monitoring efforts
 - Data processing and analysis
- 2 CPO site visits
 - Audit by Dept. of Ecology passed
- Wildfire presentation for A&WMA chapter meeting in Lacey
- Purple Air installation at Bordeaux Elementary

Nick

- Quarterly quality checks on instruments
 - Aberdeen
- Submitting QC paperwork and data validation to Ecology
- Purple Air installation at Bordeaux Elementary

Contact

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