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

Regular Meeting March 13, 2019

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, February 13, 2019
 - 2. Expenditures and Disbursements February 7, 2019 March 6, 2019
- 6. 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)

7. GOOD OF THE ORDER

8. EXECUTIVE SESSION

To discuss any matter suitable for Executive Session under RCW 42.30.110

9. ADJOURN

OLYMPIC REGION CLEAN AIR AGENCY 2940 Limited Lane NW

Olympia, Washington 98502

BOARD OF DIRECTORS MEETING

February 13, 2019

Members present: Jim Cooper, City of Olympia (Chair)

> Cynthia Pratt, City of Lacey (Vice Chair) Joan Cathey, City of Tumwater (via phone)

Tye Menser, Thurston County

Mary Ellen Winborn, Clallam County (via phone) Randy Neatherlin, Mason County (via phone) Greg Brotherton, Jefferson County (via phone)

Members absent: Mike Runyon, Pacific County

Wes Cormier, Grays Harbor County

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 10:02 a.m.

Cooper noted we will be postponing the Climate Change presentation until a later date. Cooper agreed and asked for approval of the amended Agenda. Pratt moved approval of the amended Agenda. The motion was seconded and carried unanimously.

CHAIR REPORT

Cooper stated he needed to select a Finance Committee. Pratt offered to continue as the chair of the committee and Cormier had stated he would continue to serve. Cooper agreed and asked if anyone would like to volunteer for the committee. Neatherlin stated he would volunteer. Cooper noted he attends whenever possible as well.

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.

NEW BUSINESS

SAO Report

Bryson Bristol, the State Auditor's Office, gave the members copies of the SAO report. Bristol began by explaining he was present to share the results of the recent audit and attestation. Bristol did note there were no significant issues and ORCAA has a clean audit. Bristol went over the Accountability Audit draft and briefly explained what areas were looked at and summarized the report. There were minor recommendations that were given directly to staff, Bristol noted.

Bristol went over the Financial Statement Audit draft, briefly explaining what areas were looked at and summarized the report, noting again, there were no significant issues. The SAO's opinion is part of the report and the opinion is positive.

Bristol then went over the Attestation report. Bristol summarized, noting this report is presented every 2 years and there are 14 sections that discuss the items reviewed and the results of each step reviewed.

Bristol then read over the exit conference document. He noted the SAO's appreciation of working with ORCAA staff. Bristol explained the report will be published in 2 weeks, however if there are any comments, the members are welcome to contact him. Bristol noted the next audit will be scheduled for 2020 and will be covering the same areas.

Menser asked if the items not listed in the report are only for staff. McNair stated two of the items we are taking care of via the Policy Manual. Bristol explained we don't typically go through them and we don't like to belabor them during the exit conference as they are not significant.

Cooper thanked Bristol and staff for the great audit.

UNFINISHED BUSINESS

Personnel Policy Manual updates

McNair noted the clean and redline version were in the packet. McNair briefly noted the changes. Most of the changes were verbiage, clarifying language and making it more readable. The two big changes included incorporating our Commute Trip Reduction policy into the manual. The policy didn't change, it was just included into the manual. The second change had to do with travel. The SAO suggested we put in specific language specifying a minimum mileage with regards to overnight travel. After some research, we concluded 50 miles was a typical distance in use for most agencies. McNair noted if staff travels more than 50 miles, they can request overnight status. There are a few exceptions, McNair pointed out. If training is ongoing for several days, or the start time is early, etc. we can make some exceptions in advance. The other exception would be if there were some emergent issue (illness, accident, etc.) where you are unable to travel safely, we would ask the staff to contact us as soon as possible to discuss the situation.

McNair did note we would need approval from the Board to finalize the manual. Cooper asked if there were any questions. Brotherton asked if there was a reason we offer maternity but not paternity leave. McNair explained we will be updating the family leave policy once the state finalizes it and paternity leave, she believes, will be included. Brotherton also asked about vehicle maintenance being the responsibility of an employee. McNair explained it is staff's responsibility to let us know if maintenance is needed.

Pratt moved approval of the Policies and Procedures Manual as presented. The motion was seconded and carried unanimously.

PUBLIC HEARING

Adopt by Reference Rule 1.11 - Rule Change

Cooper asked for a staff report.

R. Moody explained this rule change must be done annually to maintain the current version of the Federal Regulations we reference in our rule. It was published for 30 days (or more) and we have had no comments. The change updates Rule 1.11 by changing the date from July 1, 2017 to July 1, 2018.

Cooper opened the public hearing at 10:37 am. Cooper asked if there were any comments. Hearing none, Cooper closed the hearing at 10:37 am. Cooper stated he was open for a motion. Pratt moved approval of the rule change as presented. The motion was seconded and carried unanimously.

DIRECTORS REPORT

Compliance Program Update

R. Moody noted inspections continue, notifications for asbestos and demolitions continue to come in, as do burn permits. We also continue to receive and respond to complaints. R. Moody stated we do have one position open on the compliance staff, the position closes on Friday and we anticipate completing interviews in the very near future.

Engineering Program Update

Goodin stated McKinley Paper in Port Angeles submitted, electronically, their application to retool the paper mill and we are hoping to get the paper copy soon. Goodin noted he will begin working on the permit once we receive the hard copy and he anticipates it taking about 60 days to process the application. Goodin explained the company plans on producing cardboard stock from recycled paper. They have a biomass boiler that creates electricity and steam they use in the plant. This boiler has been an outlet for our abundant biomass throughout our region. We are hoping to be able to approve their application and they will be able to burn the biomass under very controlled manner, using air pollution controls that bring emissions down significantly.

Goodin noted he, along with McNair and R. Moody, met with the Port of Port Townsend recently. The purpose of the meeting was to work with them on regulating their general-purpose boat yard. We think we have a good solution for them to manage the multiple entities coming in to their facilities. The port managers we met with seemed agreeable and will be taking our suggestions back to the commission.

Cathey wanted to discuss a letter from the mayor of Tumwater regarding so many after-the-fact permits. McNair noted she had contacted the Mayor and explained how these things happen. We have offered to come in and talk to the mayor and staff, McNair added, to give them examples of business activities that would trigger permits from ORCAA.

Air Quality Program Update

Hadley went over the January summary. January is typically a very cold month and we start to see the air quality degrade with the cold, stagnant episodes. We did have a few days of moderate air quality in Thurston County, Port Angeles and Shelton. Hadley noted it was fewer days than we normally see this time of year.

Hadley explained we have been trying to get our Saturation Study up and running in Mason County and have encountered some issues with our monitors and dataloggers. Due to the issues, we decided to use the Purple Air monitors. Hadley explained we compared the Purple Air to our permanent monitor, noting Purple Air registers higher numbers. The correlation is high, Hadley explained, and we will have one collocated with our permanent monitor, so the data can be corrected. The Purple Air monitors are not costly, easy to maintain and very easy to install. Currently, Hadley continued, we have installation completed at the North Mason Regional Fire Station in Belfair, and Timberlake Community Center. We will install one at our permanent site in Shelton and the last one will be located at Bordeaux Elementary School.

Cooper asked if the Purple Air monitors store data. Hadley stated they can store up to 2 years' worth of data. Cooper asked if we offer educational opportunities to the schools when we set up monitoring stations, do we engage the kids? Hadley we would be happy to, if they request it. Nelson added he has been considering following PSCAA's lending program. The plan is to have Purple Air monitors to lend out to schools for air quality program participation.

Education and Outreach

Nelson stated he has been working on outdoor burning permits and education with customer calls, questions and complaints. Getting the complaints gives us an opportunity to send out educational materials to a broader audience in a neighborhood, addressing the issues as broadly as we can. Nelson noted he has continued working on the woodstove change out program, although this time of year it slows down. Home show season is coming up, Nelson stated. We were scheduled for the Sequim show; however, it was cancelled and will be rescheduled later this spring.

Finance/Administrative Update

Harding noted we recently submitted our 4-year application to EPA for our Cheeka Peak site. We are in the process of applying for our next, 2-year, application for EFSEC and it should be submitted by end of month. Harding stated we did receive word our E-Well City application (2% reduction on our medical premium) has been received and we should get official notification in March. Harding added we still have one rental space upstairs.

Executive Director's Report

McNair noted staff met with Jefferson County and the Port of Port Townsend staff to discuss permitting with the Port and businesses on Port property. McNair explained there are some businesses that have individual permits with us. We discussed the Port receiving a permit and then setting up best management practices for some of their tenants. We will continue to work with them.

McNair stated the Auditors were very pleased with our audit and they really appreciated working with staff.

The second quarterly report of our Strategic Plan is included in your packet, McNair noted.

On the legislative front, there are several bills we have been watching. A bill that was brought about by Senator Van De Wege and Senator Warnick. SB5279 amends the Clean Air Act, allowing Silvicultural Burning. Air quality is critical to us, and we have expressed our concerns to Ecology, letting them know we want to make sure air quality is prominent in the discussion. Another bill we are watching has to do with the woodstove fee. When you purchase a woodstove there is a fee of \$30, which hadn't been increased for years. The bill will increase the fee to \$50 and there is an inflator included. The bill numbers are HB1567 and SB5697. Currently, McNair continued, we

currently receive about \$11,000 per year for our woodstove education fund. HB1167 has to do with compost nuisance lawsuits. It was brought about by a King County compost business. They don't want people to be able to sue them for having an odor. The bill would not change the way we deal with odors, McNair explained. Another bill, that doesn't appear to be moving, is HB1637 and deals with airborne nuisances. This bill would allow people to complain about odors impacting any public area. Currently, the rules states odors must impact your property for a complaint to be dealt with, McNair explained.

Cooper thanked staff for the plan update. He noted the salary information compared to Spokane Air. McNair explained she had received the survey results from Southwest Air, although she has not yet had a chance to complete a review. She did note she believes Southwest is most likely to be closest to us with regards to salary ranges.

ADJOURNMENT

There was nothing further from the Board.

The meeting adjourned at 11:26 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 February 13, 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

February 7, 2019 through March 6, 2019

Fund:	Warrant #'s:	Scheduled Payment Date:	Issue Amount
6471			
	63007562 - 63007574	February 15	\$4,887.58
	63007575 - 63007590	February 27	\$17,419.41
		·	
	Auto - Mo. Wire Transfer	T.C. Accounting Charge	\$535.84
	3062223, 524597-524612	February - Payroll	\$113,910.17
	7702, 7706, 7710	February - Benefits	\$38,071.97
		Total Expenditures This Period:	\$174,824.97
		Total Expenditules This Fellou.	\$174,024.97

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

February 7, 2019 through March 6, 2019

Check #	Date	Payee	Cash Account	Amount
63007562	2/15/19	Capital Business Machines, Inc.	10200	148.64
63007563	2/15/19	Comcast Cable Com., Inc.	10200	110.40
63007564	2/15/19	Anthony Cutler	10200	43.50
63007565	2/15/19	Michael Dahl	10200	415.12
63007566	2/15/19	Fed Ex	10200	18.33
63007567	2/15/19	R & D Clark Inc.	10200	190.58
63007568	2/15/19	Law, Lyman, Daniel,	10200	2,704.00
63007569	2/15/19	MinuteMan Press	10200	181.33
63007570	2/15/19	Mountain Mist Water	10200	30.81
63007571	2/15/19	LeMay Inc-Pacific Disposal	10200	62.55
63007572	2/15/19	Puget Sound Energy	10200	914.53
63007573	2/15/19	Ruth Schumaker	10200	58.00
63007574	2/15/19	Thurston County Treasurer's Office	10200	9.79
63007575	2/27/19	Bank of America	10200	4,341.66
63007576	2/27/19	Capital City Stove	10200	2,400.00
63007577	2/27/19	City of Olympia	10200	631.54
63007578	2/27/19	Department of Ecology	10200	962.74
63007579	2/27/19	Lisa Frack	10200	500.00
63007580	2/27/19	Intermedia.net, Inc.	10200	295.15
63007581	2/27/19	MinuteMan Press	10200	304.12
63007582	2/27/19	Mountain Mist Water	10200	23.74
63007583	2/27/19	Olympia Fireplace Supply Inc.	10200	1,200.00
63007584	2/27/19	The Olympian	10200	166.72
63007585	2/27/19	Pacific County Department	10200	200.00
63007586	2/27/19	PUD #1 of Clallam County	10200	213.06
63007587	2/27/19	R.M. Young Company	10200	500.00
63007588	2/27/19	Washington State Auditor's Office	10200	2,002.00
63007589	2/27/19	Sunrise Pest Management, Inc.	10200	78.68
63007590	2/27/19	Sunset Air Incorporated	10200	3,600.00
Auto Transfer	2/28/19	Thurston County Treasurer's Office	10200	535.84
524597-524612	2/28/19	Salaries & Benefits	10200	151,982.14
Total				174,824.97

Inspections Completed

Between 2/6/2019 and 3/8/2019

Insp.	Date	Inspection Type	File #	F Source Name	Location	Warning	NOV Issued
AMF							
	02/20/2019	Full Compliance Evaluation	842	4TH AVE SHELL	OLYMPIA		
	02/20/2019	Full Compliance Evaluation	1096	DAY & NIGHT GROCERY - MARTIN W	OLYMPIA		
	02/20/2019	Full Compliance Evaluation	1229	MCCLEARY SHELL	McCLEARY		
	02/21/2019	Full Compliance Evaluation	513	DAYTON GROCERY	SHELTON		
	02/21/2019	Full Compliance Evaluation	197	SAFEWAY - BELFAIR #1571	BELFAIR		
	02/21/2019	Full Compliance Evaluation	164	SAFEWAY - PORT TOWNSEND #4608	PORT TOWNSEND		
	02/21/2019	Full Compliance Evaluation	945	OLYMPIC TEXACO	SHELTON		
	02/21/2019	Full Compliance Evaluation	580	MATLOCK GENERAL STORE	MATLOCK		
	02/21/2019	Full Compliance Evaluation	1038	MASCO PETROLEUM - SHELTON	SHELTON		
	02/21/2019	Partial Compliance Evaluation	264	FAIR HARBOR MARINE AND RESORT	GRAPEVIEW		
	02/21/2019	Full Compliance Evaluation	380	FRED MEYER FUEL #603	SHELTON		
	02/21/2019	Full Compliance Evaluation	1133	HILLCREST SHELL	SHELTON		
	02/26/2019	Full Compliance Evaluation	210	CHIMACUM CHEVRON	CHIMACUM		
	02/26/2019	Full Compliance Evaluation	274	ELDON STORE	LILLIWAUP		
	02/26/2019	Full Compliance Evaluation	928	FOODMART #3650 - HADLOCK	HADLOCK		
	02/26/2019	Full Compliance Evaluation	710	QFC FUEL #870 - PORT HADLOCK	PORT HADLOCK		
	02/26/2019	Full Compliance Evaluation	530	LILLIWAUP STORE & MOTEL	LILLIWAUP		
	02/26/2019	Full Compliance Evaluation	953	PORT LUDLOW VILLAGE STORE	PORT LUDLOW		
	02/28/2019	Partial Compliance Evaluation	1167	ELMA GROCERY GAS & CARWASH	ELMA		✓
	03/01/2019	Full Compliance Evaluation	966	ROAD RUNNER FOOD MART	PORT ANGELES		
	03/01/2019	Full Compliance Evaluation	101	LAKESIDE INDUSTRIES - BOEING 400			
	03/01/2019	Full Compliance Evaluation	984	PORT ANGELES CHEVRON	PORT ANGELES		
	03/01/2019	Full Compliance Evaluation	912	FAIRMOUNT GROCERY & MOTEL	PORT ANGELES		<u> </u>
	03/01/2019	Full Compliance Evaluation	868	GRANDVIEW GROCERY INC	PORT ANGELES		

Printed 3/8/2019 12:17:53 PM Page 1 of 2

Insp. Date	Inspection Type	File #	* Source Name	Location	Warning	NOV Issued
03/01/2019	Full Compliance Evaluation	919	MARINE DRIVE CHEVRON	PORT ANGELES		
03/04/2019	Partial Compliance Evaluation	261	DYLANS CORNER LLC	YELM		
03/04/2019	Partial Compliance Evaluation	101	LAKESIDE INDUSTRIES - BOEING 400			
03/06/2019	Full Compliance Evaluation	471	PORT ANGELES WATER TREATMENT	PORT ANGELES		
LEW						
03/04/2019	Partial Compliance Evaluation	261	DYLANS CORNER LLC	YELM		
03/04/2019	Partial Compliance Evaluation	101	LAKESIDE INDUSTRIES - BOEING 400			
MS						
02/21/2019	Full Compliance Evaluation	221	CITY OF HOQUIAM - WWTP	HOQUIAM		
02/21/2019	Full Compliance Evaluation	647	WILLIS ENTERPRISES - MOON ISLAND	HOQUIAM		
02/22/2019	Full Compliance Evaluation	767	SILVER SPRINGS ORGANICS LLC	RAINIER		
03/05/2019	Driveby	1257	GREEN FREEDOM LLC	ELMA		
TG						
02/06/2019	Full Compliance Evaluation	521	ANGELES CONCRETE PRODUCTS	PORT ANGELES		
02/06/2019	Full Compliance Evaluation	1163	DENNYS AUTOMOTIVE	PORT ANGELES		
02/06/2019	Full Compliance Evaluation	1015	INTERWEST CONSTRUCTION INC	PORT ANGELES		
02/06/2019	Full Compliance Evaluation	493	LINCOLN INDUSTRIAL CORP INC	PORT ANGELES		
02/06/2019	Full Compliance Evaluation	635	MASTER BODY WORKS	PORT ANGELES		
02/06/2019	Full Compliance Evaluation	248	MT PLEASANT LANDFILL	PORT ANGELES		
02/06/2019	Full Compliance Evaluation	527	RUDDELL AUTO	PORT ANGELES		
02/06/2019	Full Compliance Evaluation	165	PORT ANGELES SCHOOL DISTRICT #12	PORT ANGELES		
02/07/2019	Full Compliance Evaluation	139	ANCIENT AUTO WORKS INC	PORT ANGELES		
02/07/2019	Full Compliance Evaluation	625	DRENNAN-FORD FUNERAL HOME & C	PORT ANGELES		
02/07/2019	Full Compliance Evaluation	118	US COAST GUARD GROUP	PORT ANGELES		
02/07/2019	Full Compliance Evaluation	769	TYLER & GUY AUTO BODY REPAIR	PORT ANGELES		

Printed 3/8/2019 12:17:53 PM Page 2 of 2

Complaint Report for period from 2/6/2019 to 3/8/2019

Date	Source	City	Rec'd	Formal	Oncall	Online	Smoke	Odor	Open Fire	Dust	Woodstov	Other
Referred to	o: AMF											
02/06/2019	TBD		JW									
02/06/2019	Unknown	Tenino	JW			✓	✓					
02/07/2019	Harris	Olympia	JW				✓					
02/08/2019	Jeremy Peash	Olympia	AMF						✓			
02/12/2019	Michael & Lynn Savoie	Tumwater	JW			✓	✓				✓	
02/15/2019	Austin Brandon, or Current Resident(s)	Olympia	JW			•	✓	✓			•	
02/18/2019	BCP Landscape Supply - Craig Pettyjohn	Shelton	DJM					✓				
02/23/2019	Kenneth & Christine Ringering	Lacey	JW				✓				✓	
02/28/2019	Neighborhood	Olympia	JW			✓	✓		✓			
03/04/2019	Silver Springs Ranch	Tenino	JW			✓	✓					
03/04/2019	Silver Springs Cattle Ranch	Rainier	AMF				✓		✓			
03/05/2019	Jason Bishop	Lacey	AMF				✓		✓			
03/06/2019	Schweitzer	OAKVILLE	AMF				✓	✓				
Referred to	o: MS											
02/07/2019	unknown		MS					✓				
02/13/2019	Robert and Pamela Rittmueller	Port Angeles	MS								✓	
02/14/2019	Kenna Eaton, GM, Food Co-op	Port Townsend	MS									Remodel with no survey
02/18/2019	Kyle Copeland	Elma	DJM				✓	✓	✓			,
02/20/2019	Dennis and Kathryn James	Rochester	MS				✓		✓		✓	
03/01/2019	Eric and Sally Conrad	Shelton	RTM									potential asbestos
03/06/2019	Dave McVey	Raymond	MS				✓					•
Referred to	o: RTM	•										
02/06/2019	Sharie Smith	Port Angeles	JW				✓					
02/21/2019	Unknown	Olympia	JW			✓	✓	✓				
02/26/2019	Tammie & Brian Bigelow	Olympia	JW			✓	✓		✓			
Referred to	o: TG											
02/13/2019	Patsy Shumway	Tumwater	TG				✓				✓	

Date	Source	City	Rec'd	Formal	Oncall	Online	Smoke	Odor	Open Fire	Dust	Woodstov	Other	
02/25/2019	BobCameron		AMF				✓		✓				
02/25/2019	Cory Larson	Olympia					✓		✓				
02/26/2019	KITTYS CANNA CONNECTION	OLYMPIA	JW			✓		✓					
02/28/2019	Jeremy Peash	Olympia	AMF										
02/28/2019	TBD		AMF				✓						
03/01/2019	Gunderson Family LLC	Olympia	TG				✓		✓				
03/01/2019	Nordloh	Tenino	RTM				✓	✓	✓				
03/01/2019	Pete's Lawn & Garden	ABERDEEN	TG				✓		✓				
03/04/2019	Ken Brogan, Commercial Property, LLC	Olympia	MS							✓			
03/07/2019	Unk	Olympia	TG										

Friday, March 8, 2019

Asbestos Permit Status Report

Permit #	Staff	Rec'd	Address	City	Status	Completion Date	Actual Completion
18ASB006063	KJW	2/20/2018	208 18th Avenue SW	Olympia		4/6/2018	
18ASB006097	KJW	3/7/2018	1920 Abernethy Rd NE	Lacey	Other: exhaust hood, fire doors, electrical	7/31/2018	
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	
18ASB006248		7/2/2018	111 Bethel Street NE	Olympia	7/5/18 Derica called. Filing amendment t	9/11/2018	
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	edenvirollc@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 (12/17/18h	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. AHERA certified?	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	

Friday, March 8, 2019 Page 1 of 3

Permit #	Staff	Rec'd	Address	City	Status	Completion Date	Actual Completion
19ASB006504		1/2/2019	6315 Gull Harbor Dr NE	Olympia	Expires 1/2/20	1/14/2020	
19ASB006507		1/3/2019	408 Lilly Rd NE	Olympia		2/28/2019	
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	
19ASB006522		1/18/2019	109 I St	Cosmopolis	Other Material: duct insulaton, roofing, ot	3/31/2019	
19ASB006528		1/22/2019	Building 70	Port Hadlock		3/29/2019	
19ASB006529	MS	1/23/2019	8754 Flagler Rd	Nordland	2/21/19 New property owner is Patrick S	2/13/2019	
19ASB006530	MS	1/23/2019	22214 V St	Ocean Park		4/30/2019	
19ASB006531		1/25/2019	3707 Marvin Rd NE	Lacey		2/12/2019	
19ASB006532		1/28/2019	7570 West Eells Road	Shelton		3/31/2019	
19ASB006534		1/29/2019	104 First Ave S	Ilwaco		2/15/2019	
19ASB006536		1/30/2019	534 East K Street	Shelton	Shelton School District.	7/12/2019	
19ASB006542		2/5/2019	8027 N Bicentennial Loop SE	Lacey		3/29/2019	
19ASB006543	MS	2/6/2019	505 E Yelm Ave	Yelm	Other material: Duct Tape	2/26/2019	
19ASB006547	TG	2/8/2019	111 East Front St	Port Angeles	Labs only - indicates demo. To TG to revi	7/31/2019	
19ASB006549		2/11/2019	211 Fir St	Tahola	\$347.00-applied the credit from another	2/28/2019	
19ASB006550		2/11/2019	422 Spruce St	Tahola		3/5/2019	
19ASB006552		2/12/2019	312 Cutian St	Tahola		3/8/2019	
19ASB006553		2/12/2019	3104 Longinaker Dr SE	Olympia		2/27/2019	
19ASB006554	TG	2/13/2019	105 East Front St	Port Angeles	Other: roofing, window caulking	7/31/2019	
19ASB006557		2/16/2019	1401 Laurel St	Hoquiam	fee is \$347 - emailed matt to remit additio	3/9/2019	
19ASB006559		2/19/2019	1650 Circle Ln SE Chalet U123	Lacey		3/11/2019	
19ASB006562		2/22/2019	1516 Giles Avenue NW	Olympia		4/12/2019	
19ASB006563		2/25/2019	4800 US 12	Elma	Other: TSI Fireproofing	3/25/2019	
19ASB006564		2/26/2019	4520 Lacey Blvd	Lacey		3/15/2019	

Friday, March 8, 2019 Page 2 of 3

Permit #	Staff	Rec'd	Address	City	Status	Completion Date	Actual Completion
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	
19ASB006567		2/28/2019	3628 Princeton Ct SE	Lacey		3/13/2019	
19ASB006568		3/1/2019	3729 Goldcrest Heights NW	Olympia		4/30/2019	
19ASB006569	TG	3/1/2019	5240 Trosper Rd SW	Olympia		3/5/2019	
19ASB006570	TG	3/4/2019	4520 Lacey Blvd SE	Lacey	Letter and fees rec'd.	3/15/2019	
19ASB006571		3/5/2019	1108 East 1st St	Aberdeen		3/15/2019	
19ASB006572		3/5/2019	8038 61st Ave NE	Olympia		3/16/2019	
19ASB006573	MS	3/6/2019	1101 Pacific Ave N	Long Beach	ER Req't. Letter & Fees rec'd.	3/7/2019	
19ASB006574	TG	3/7/2019	3224 Lorne St SE	Tumwater	Letter & Fee rec'd	3/13/2019	
19ASB006575		3/7/2019	7305 41st Ave SE	Lacey		3/21/2019	

Friday, March 8, 2019 Page 3 of 3

Demolition Notifications received between 2/6/2019 and 3/8/2019

Permit#	Rec'd	Staff	Address	City	Status	Asb Survey	Asb Permit #
19DEM005328	2/7/2019)	40 E Hillside Dr	Belfair	Paper App - Rec'd via US Mail. Re	✓	ASB
19DEM005329	2/8/2019	TG	111 East Front St	Port Angeles	Labs only w/asb removal	✓	19ASB006547
19DEM005330	2/8/2019	TG	110 East Railroad Ave	Port Angeles	labs only	✓	ASB
19DEM005331	2/13/2019	TG	105 East Front St.	Port Angeles	Labs only	✓	19ASB006554
19DEM005332	2/15/2019	MS	1504 7th Avenue	Olympia	No survey w/app. Contractor TBD.		ASB
19DEM005333	2/15/2019)	skipped				ASB
19DEM005334	2/18/2019)	1542 S Montesano	Westport		✓	ASB
19DEM005335	2/19/2019	TG	626 75th Way NE	Olympia		✓	ASB
19DEM005336	2/19/2019)	1771 Hafter Ln	Rochester			ASB
19DEM005337	2/20/2019	TG	1090 E Libby Rd	Shelton	ER Letter and fee pd.	✓	ASB
19DEM005338	2/27/2019	RTM	526 N 11th Street	Elma	No asbestos removal notification ye	✓	ASB
19DEM005339	3/1/2019	MS	2825 Sumner	Hoquiam	City of Hoquiam has signed permit	✓	ASB
19DEM005340	3/1/2019)	3707 Marvin Rd	Lacey	"Demo May happen sooner than Ap	✓	19ASB006531
19DEM005341	3/1/2019)	808 W. 2nd st.	Aberdeen	Rq't start date of 3/13/19 - not 14 da	✓	ASB
19DEM005342	3/2/2019	MS	1143 Campbell Ave	Port Angeles	Project size: 394	✓	ASB
19DEM005343	3/4/2019)	27001 Sandridge Rd	Ocean Park		✓	ASB
19DEM005344	3/5/2019	TG	3014 K Place	Seaview		✓	ASB
19DEM005345	3/6/2019	MS	709 Bluff Ave	Hoquiam	ER Req't - letter & fees received		ASB
19DEM005346	3/7/2019	MS	450 2nd St	Raymond	MS Called in.	✓	ASB
19DEM005347	3/7/2019	MS	115 State Ave NE	Olympia	Project size: 3088 Should this be a	✓	ASB
19DEM005348	3/8/2019	TG	3707 Quail Ln	Seaview	Labs - to TG to review this - not rem		ASB

Friday, March 8, 2019 Page 1 of 1



Current ORCAA Land Clearing Burn Permit

FireDistrict	Expiration	#	Legal Desc	Burn Site Address	City	Last Name	CompanyName	Phone
CFD #3, Sequim	3/29/2019	4663	Sec34 T30R02W	433 Bachelor Rd	Sequim	Zimmerman		(206) 552-54
	4/4/2019	4667		151 Moonkist Terrace	Sequim	Nolan	Olympic Forest Contractors, LLC	(360) 460-92
	4/5/2019	4669	Sec34 T30R04W	93 Frog Lane	Sequim	Love	Don Love Trucking	(360) 457-40
JFD #4, Brinnon	3/21/2019	4658	Sec10 T25R02w	308624 Hwy 101	Brinnon	Dolan		(360) 774-60
	3/28/2019	4661	Sec28 T26R02w	2 miles up Dosewalips Rd	Brinnon	Boling	ATR	(360) 301-17
PFD #8	3/31/2019	4665		47 Willapa Sands Lane	South Bend		Ashley Construction	(253) 377-20
TFD #1, Rochester	3/8/2019	4656	Sec24 T15R03W	21934 Old Hwy 99 SW	Centralia	Brumley		(360) 520-78
	3/10/2019	4657	Sec31 T16R03W	10225 173rd Ave SW	Rochester		Rogers Tree Service	(360) 561-00
	3/22/2019	4659	Sec05 T15R03W	10139 Albany Park Lane SW	Rochester	Capezio	Capital Development Properties	
TFD #11, Littlerock	4/5/2019	4670	Sec09 T16R03W	8625 Bordeaux Rd SW	Olympia	Baublits	BLC Co, LLC	(360) 701-15
TFD #12, Tenino	3/31/2019	4666	Sec21 T16R01W	5204 Churchill Rd SE	Tenino	Peters		(253) 617-88
TFD #2, Yelm	3/29/2019	4664	Sec30 T17R02E	1119 Clark Rd SE	Yelm	Frink		(360) 486-21
	3/29/2019	4662	Sec21 T16R02e	15220 Lawrence Lake Road SW	Yelm	Justice		(253) 310-23
Friday, March 8, 2019					Page 1 of 2			

FireDistrict	Expiration #	Legal Desc	Burn Site Address	City	Last Name	CompanyName	Phone
TFD #8, South Bay	4/4/2019 4668	Sec06 T19R01W	3046 Fishtrap Loop NE	Olympia	Rice		(360) 790-05
TFD #9, McLane	3/22/2019 4660	Sec19 T18R02W	4800 Lloyd Rd	Olympia	Iversen	Sterling Breen Crushing, Inc	(360) 736-42

Friday, March 8, 2019 Page 2 of 2

NOV Monthly Report

For the period 2/6/2019 to 3/8/2019

NOV#	Name	Issued by	City	Regulation(s)		NOV Issued	Penalty Assessed	Amount Suspended	Amount Paid	Penalty Issued
3740	WESTEND TRUCKING LLC	PFM	CLALLAM	Rule 6.3.4(c)	Notification Period	07/13/2018	\$1,500.00		\$1,500.00	01/18/2019
3745	MAHAN	TG	THURSTON	Rule 6.3.8(a)	Asbestos Removal Prior to Renovation/Demolition	08/07/2018	\$2,500.00		\$2,500.00	12/18/2018
3753	DOOLEY	MS	GRAYS HARBOR	Rule 6.3.2(b)	Demo without AHERA survey	09/04/2018	\$750.00		\$750.00	12/18/2018
			THREOR	Rule 6.3.4(a)	asbestos/demo work without notification/fee					
3755	PANELTECH	MS	GRAYS HARBOR	Rule 5.1(d)	Operating Permit Program - Compliance	10/08/2018	\$3,000.00		\$3,000.00	01/28/2019
			HARDOR	40 CFR §63.3360(f)	Determine capture efficiency of capture system					
				Condition M10 11AOP864	Paneltech LLC - 11AOP864					
				RCW 70.94.161(9)(a)	RCW Unlawful to operate AOP source in violation of permit					
3768	LINCOLN INDUSTRIAL CORP INC (PAYNE)	TG	CLALLAM	Rule 3.1(d)	Failure to pay Annual Registration fees	11/01/2018	\$500.00		\$500.00	02/07/2019
3773	AQUATIC CO	MS	THURSTON	Rule 3.1(d)	Failure to pay Annual Registration fees	11/14/2018	\$1,000.00		\$1,000.00	02/07/2019
				RCW 70.94.161(9)(a)	RCW Unlawful to operate AOP source in violation of permit					
3775	AQUATIC CO	MS	THURSTON	Rule 6.1.8	Conditions in Approval Orders Enforceable	11/13/2018	\$5,000.00			02/20/2019
				Condition 3 of 17NOC1256	Aquatics - 17NOC1256					
3779	CONDUENT	TG	THURSTON	Rule 3.1(d)	Failure to pay Annual Registration fees		\$500.00			02/07/2019

NOV#	Name	Issued by	City	Regulation(s)		NOV Issued	Penalty Assessed	Amount Suspended	Amount Paid	Penalty Issued
3780	NISQUALLY AUTOMOTIVE & TOWING	AMF		Rule 8.8	Control Equipment Maintenance and repair	12/10/2018	\$1,000.00			02/07/2019
3781	SIEGRIST	AMF		Rule 6.2.5(c)	Person must be in attendance of fire	12/13/2018	\$500.00			03/04/2019
				Rule 6.2.8(b)	Failure to comply with conditions					
3797	CROSIER	MS	MASON	Rule 6.3.4(a)	asbestos/demo work without notification/fee	02/14/2019				
				Rule 6.3.9(a)	Allowing work on asbestos project by non-certified workers					
				Rule 6.3.9(b)(3)	Asbestos Work Practices - Wetting ACM					
3798	ELMA GROCERY GAS & CARWASH	AMF	GRAYS HARBOR	Conditon 4 of 17ADM1200	Elma Grocery Gas & Carwash	02/28/2019				
						Totals:	\$32,500.00		\$20,000.00	

Industrial / Commercial Air Permits

Pending and Final Permits for period from 02/06/2019 to 03/08/2019

Facility_Name	City	Туре	NOC_No	Facility Category	Description	Eng	Application Received	Status	Date of Status Update
HARPO LLC	ABERDEEN	NOC	18NOC1275	Printing/Paper Products	replace existing boiler with new 6.3 MMBtu/hr natural gas boiler (after- the-fact)	LEW	4/2/2018	final permit delivered	2/15/2019
PANELTECH	HOQUIAM	NOR	18NOR1309	Wood Products	change Condition 1 in NOC# 06NOC469 to allow use of purchaased paper in the composites press	JAD	12/3/2018	final permit delivered	2/21/2019
ALTA FOREST PRODUCTS	SHELTON	NOC	18NOC1302	Lumber Mill - Logging	use oil stain	AM	9/20/2018	waiting on SEPA	11/30/2018
AQUATIC CO	YELM	RFC	18RFC1287	Fiberglass/Mari ne Services	incorporate conditions from 17NOC1256	MVG	6/1/2018	draft in progress	1/3/2019
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	6/28/2018
BELCO SHELTON MILL	SHELTON	NOC	18NOC1294	Wood Products	install a baghouse	LEW	7/26/2018	waiting on SEPA	3/1/2019
BHP BILLITON CANADA INC	HOQUIAM	NOC	18NOC1301	Chemicals	establish a potash terminal	AM		incomplete application - waiting on data response	2/15/2019
CAPITOL CITY PRESS	TUMWATE R	NOC	14NOC1064	Printing/Paper Products	get approval for after-the-fact installation of printing presses	LEW	9/19/2014	draft pending source review	2/15/2019

Friday, March 8, 2019 Page 1 of 5

Facility_Name	City	Туре	NOC_No	Facility Category	Description	Eng	Application Received	Status	Date of Status Update
CARDINAL CG	TUMWATE R	NOC	18NOC1312	Manufacturing	permit after-the- fact boiler	LEW	12/31/2018	incomplete application - waiting on data response	1/31/2019
CEDAR CREEK CORRECTIONS	LITTLEROC K	MOD	16MOD1143	Corrections Center	modify conditions in approval order	AM	1/28/2016	on hold - per source	1/3/2019
CITY OF LONG BEACH - COMPOSTING	LONG BEACH	NOC	19NOC1330	Composting	establish screw press, mixer, in- vessel compost tunnels	JAD	2/22/2019	completeness determination pending	3/1/2019
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	initial payment received, hand off to engineers	3/1/2019
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	3/1/2019
CONTANDA TERMINALS LLC	HOQUIAM	NOC	14NOC1074	Chemicals	install storage tanks and vapor combustion units	AM	12/1/2014	waiting on SEPA	1/3/2019
CROWN CORK & SEAL CO INC	OLYMPIA	NOC	19NOC1336	Manufacturing		JAD	3/4/2019	initial payment received, hand off to engineers	3/7/2019
EVERGREEN TRACTOR LLC	PORTABLE	NOC	19NOC1323	Sand and Gravel	general order	AM	2/1/2019	hand off to Debbie for final paymnet	3/7/2019
riday March 8 2019									Page 2 of 5

Friday, March 8, 2019 Page 2 of 5

Facility_Name	City	Туре	NOC_No	Facility Category	Description	Eng	Application Received	Status	Date of Status Update
FOX LUMBER CO	MONTESA NO	NOC	17NOC1242	Lumber Mill - Logging	after-the-fact review of cyclone	LEW	8/1/2017	draft pending internal review	1/3/2019
GOOSE POINT OYSTERS	TOKELAND	NOC	19NOC1333	Food Processing	install a new diesel- fired boiler	LEW	2/27/2019	waiting on SEPA	3/5/2019
GRAYS HARBOR ENERGY LLC	ELMA	AOP	09AOP672	Energy Production	Air Operating Permit - Initial	MVG	4/24/2009	draft in progress	1/3/2019
LAKESIDE INDUSTRIES - PORT	PORT ANGELES	NOR	19NOR1329	Asphalt Production	modify 00NOC009	MVG	2/13/2019		
LAKESIDE INDUSTRIES - PORT LUDLOW	PORT LUDLOW	NOR	19NOR1328	Asphalt Production	modify condition 6 and 15(f) of 13NOC963	MVG	2/13/2019	draft pending internal review	3/5/2019
McKINLEY PAPER COMPANY	PORT ANGELES	AOP	18AOP1300	Printing/Paper Products	renew AOP (11AOP816)	MVG	9/4/2018	on hold - per source	1/3/2019
MT PLEASANT LANDFILL	PORT ANGELES	NOR	19NOR1332	Landfill and Recycling	modify 02NOC243		2/22/2019	draft pending internal review	3/8/2019
MUTUAL MATERIALS - LACEY	LACEY	NOC	17NOC1237	Concrete Batch Plant	after-the-fact paver stone tumbler	LEW	9/6/2017	waiting on SEPA	6/1/2018
PANELTECH	HOQUIAM	NOC	19NOC1313	Wood Products	install small research reactor for production of amino resins	JAD	1/2/2019	final pending final payment	2/26/2019
PORT ANGELES HARDWOOD LLC	PORT ANGELES	MOD	17MOD1243	Wood Products	modify condition 1	AM	8/8/2017	draft in progress	1/3/2019
PORT ANGELES LANDFILL - FLARE	PORT ANGELES	NOC	19NOC1322	Landfill and Recycling	replace existing flare	MVG	2/28/2019	initial payment received, hand off to engineers	2/28/2019
PUGET SOUND SURFACERS #G-6	PORTABLE	NOR	19NOR1318	Sand and Gravel	revise conditions consistent with the general rock crushing approval order	AM	1/22/2019	hand off to Debbie for final paymnet	3/7/2019
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

Friday, March 8, 2019 Page 3 of 5

Facility_Name	City	Туре	NOC_No	Facility Category	Description	Eng	Application Received	Status	Date of Status Update
SETINA MFG CO - YELM HWY	OLYMPIA	NOC	18NOC1274	Metal Fabrication/Co ating	establish metal fabrication facility including welding, metal cutting, and abrasive blasting (after-the-fact)	AM	3/28/2018	draft pending source review	1/11/2019
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	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
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
SIMPSON DOOR CO	McCLEARY	RFC	19RFC1319	Wood Products	correct condition R2	MVG	1/30/2019	draft in progress	2/1/2019
TACC	TUMWATE R	NOC	17NOC1255	Automotive Services	install after-the-fact spray booth	AM	9/26/2017	on hold - waiting on another agency	1/3/2019
WESTPORT LLC	WESTPORT	AOP	14AOP1029	Fiberglass/Mari ne Services	renew AOP	JAD	3/7/2014	draft in progress	3/7/2019
WESTPORT LLC	WESTPORT	REV	09REV702	Fiberglass/Mari ne 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	3/7/2019
WEYERHAEUSER NR RAYMOND	RAYMOND	AOP	12AOP915	Lumber Mill - Logging	renew 04AOP387	AM	8/1/2012	draft pending source review	2/20/2019
WIEGARDT BROS SEAFOOD	OCEAN PARK	NOC	19NOC1317	Food Processing	install diesel fired boiler	LEW	1/11/2019	hand off for final signatures	3/7/2019

Friday, March 8, 2019 Page 4 of 5

Facility_Name	City	Туре	NOC_No	Facility Category	Description	Eng	Application Status Received	Date of Status Update
WSDOT - SHELTON	SHELTON	NOC	19NOC1325	Gasoline Distribution	install new gasoline dispensing facility with (1) aboveground storage tank	LEW	2/15/2019 draft pending internal review	2/28/2019

Friday, March 8, 2019 Page 5 of 5



Air Quality Monitoring Summary

February 2019

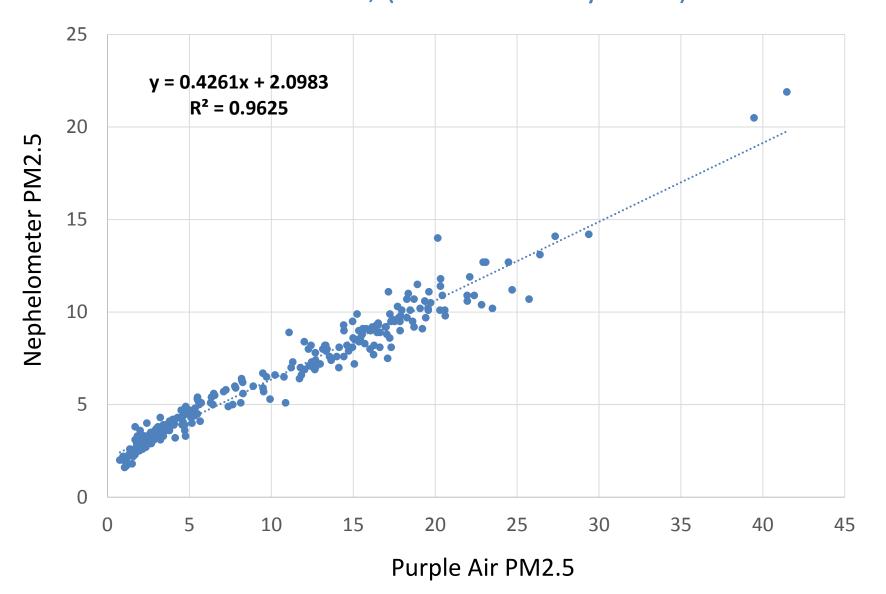
Odelle Hadley, PhD

2019 February Air Quality Summary – PM2.5

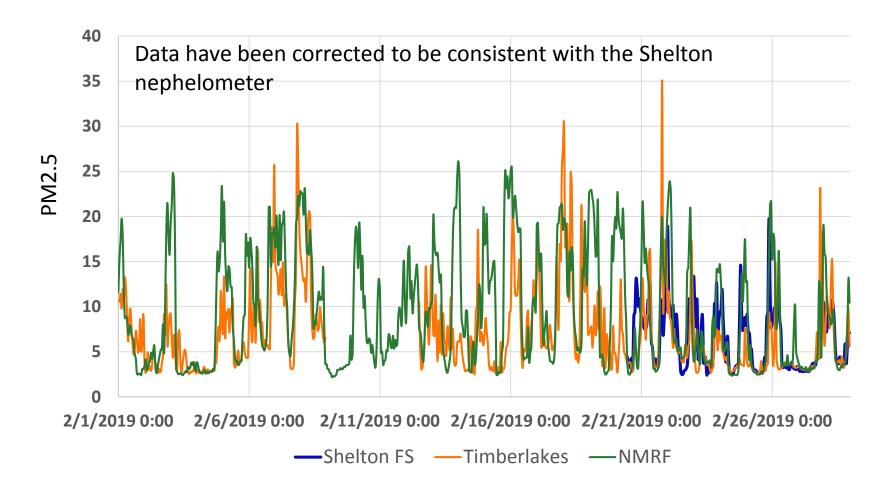
	Minimum	Average	Maximum	G O O D	M O D	U S G	U H	V U H
Aberdeen	2.5 μg m ⁻³	5.0 μg m ⁻³	8.3 μg m ⁻³	28				
Cheeka Peak ¹	0.5 μg m ⁻³	1.6 μg m ⁻³	3.3 μg m ⁻³	25				
Lacey	2.7 μg m ⁻³	7.1 μg m ⁻³	15.9 μg m ⁻³	27	1			
Port Angeles	4.8 μg m ⁻³	9.2 μg m ⁻³	21.0 μg m ⁻³	26	1	1		
Port Townsend	3.3 μg m ⁻³	5.5 μg m ⁻³	10.1 μg m ⁻³	28				
Shelton	2.9 μg m ⁻³	6.8 μg m ⁻³	14.9 μg m ⁻³	27	1			
South Bend ²	2.1 μg m ⁻³	3.5 μg m ⁻³	6.2 μg m ⁻³	27				

- 1) Power loss due to snow and weather
- 2) Intermittent power loss on February 2nd

Purple Air sensor vs. Nephelometer Shelton, (Jan – February 2019)



Mason County Saturation Study February results



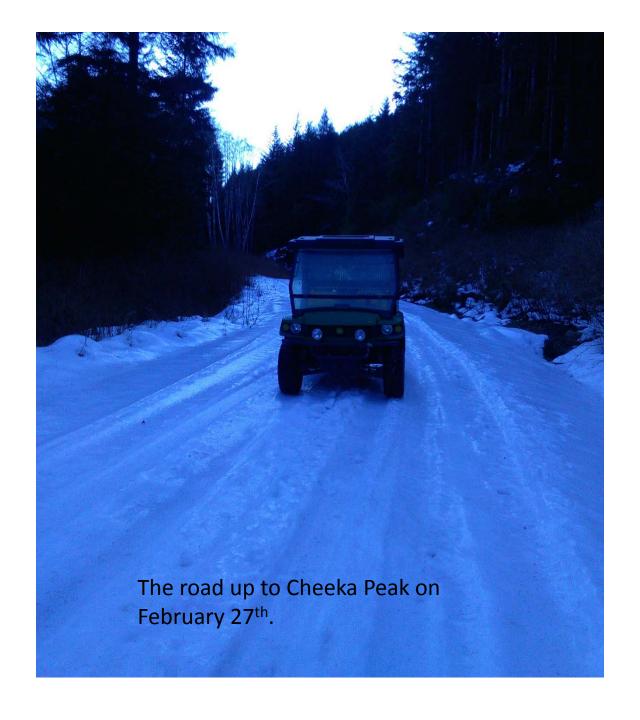
Monitoring Activities

Odelle

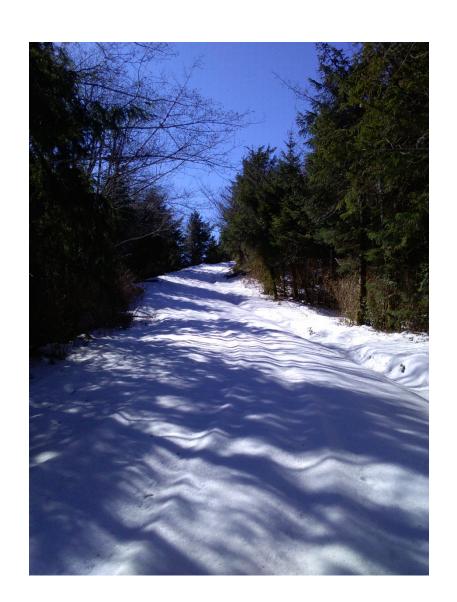
- Community Toxics Grant
 - Support student monitoring efforts
 - Data processing and analysis
- Install Purple Air at Shelton monitoring site
 - Data processing
 - Snow delays Bordeaux Elementary installation
- CPO has been inaccessible due to snow and ice

Nick

- Quarterly QC PortTownsend
- Assist with Shelton
 Purple Air install
- Shelton quarterly QC



CPO access 03/05/2019





Contact

Odelle Hadley, Ph.D., Senior Monitoring Specialist 360-539-7610 x105

odelle.hadley@orcaa.org

https://www.orcaa.org