



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10**

1200 Sixth Avenue, Suite 155
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AIR AND RADIATION
DIVISION

October 1, 2020

MEMORANDUM

SUBJECT: Annual Performance Partnership Agreement Meeting and Oversight – Air Program

FROM: Jeff Hunt, Washington State PPA Liaison for the Air Program.

A handwritten signature in black ink, appearing to be "JH", is placed to the right of the "FROM:" line.

TO: Alison Olson, Washington Performance Partnership Grant Project Officer.

Attached is the report out from the annual Performance Partnership Agreement (PPA) meeting held with the Washington Department of Ecology Air Quality Program (Ecology) on September 24, 2020. Ecology continues to make adequate progress on PPA objectives, and no issues were identified that would impact the Performance Partnership Grant (PPG). By mutual agreement of both agencies, the annual PPA meeting and report out serve to document progress under the PAA and PPG. If you have any questions, please feel free to contact me at 206-553-0256.

Washington Department of Ecology and EPA Region 10
Annual Meeting on Air Quality Program Priorities and Accomplishments

Date/Time Thursday, September 24, 2020 / 10:00 am - 1:00 pm

Agenda

10:00 am – 10:15 am	Introductions and agency updates <ul style="list-style-type: none">• Introductions/Technology Tips• Program Director Highlights - Kathy and Krishna
10:15 am – 11:15 am	Criteria Pollutants and Regional Haze <ul style="list-style-type: none">• SO₂ designations• Regional Haze SIP• Smoke Management• October meeting on Yakima PM_{2.5}
11:15 am – 11:30 am	Air Toxics <ul style="list-style-type: none">• General discussion
11:30 am – 12:00 pm	Permitting and Program Delegation <ul style="list-style-type: none">• Some highlights• Electronic Permitting Submittal (EPS) System transition• Part 70 Permit backlogs
12:00 pm – 12:30 pm	Compliance Assurance
12:30 pm – 1:00 pm	Monitoring and Assessment

Documentation of PPA Outputs

Criteria Pollutants and Regional Haze – Outputs

- 1. Ecology will coordinate with local air quality agencies, the EPA, and tribes to ensure compliance with all National Ambient Air Quality Standards (NAAQS).***

2020 Update:

PPS: Ecology continues to coordinate with the local air quality agencies, the EPA, and tribes to ensure compliance with all National Ambient Air Quality Standards (NAAQS). Since the last reporting period we completed adoption of PSCAA and NWCAA rules into the SIP. We have also provided guidance to YRCAA and SRCAA as they update their rules. Specifically, at YRCAA's request we reviewed and commented on their draft rule language. We have also worked with SRCAA and drafted the SIP submittal. As of this report, we have the SRCAA SIP out for public comment, which closes on October 8. In addition to updating SIP-approved rules, we are collaborating with partners to improve air quality.

Informed by Ecology's Areas of Concern map, which was created using Washington Ambient Air Monitoring Network data, we consider areas most at risk of exceeding NAAQS. We have worked with partners to understand and address local needs, including funding projects targeted specifically to address community need.

- In the Tri-Cities, following on work from the 2016 ozone precursor study that identified transportation contributions, we are helping Benton Clean Air Agency as they identify and target commuting and traffic options. We have dedicated \$100,000 to support Benton-Franklin Transit Authority to address transportation contributions to ozone identified in the study.
- In Omak, Okanogan, and Twisp projects prevent PM_{2.5} nonattainment by developing alternatives to burning (chipping, composting, and steam treatment). We have dedicated \$135,000 in Prevent Nonattainment funding to support these activities.
- In the drier farming areas of the state we work with partners to reduce dust with farming practices like direct seeding that prevent soil erosion. We have dedicated \$146,000 in Prevent Nonattainment funding to support these activities.

Exceptional events – none in FY2019; we are currently flagging and preparing for wildfire-related exceptional events in 2020 spurred by the extreme statewide smoke inundation resulting from wildfires in California, Oregon, and Washington wildfires that lingered for many days due in part to an unusual dry cold front weather event in September (still ongoing at the time of this writing)

2019 Update:

PPS: Ecology continues to collaborate with the local air quality agencies, the EPA, and tribes to ensure compliance with all National Ambient Air Quality Standards (NAAQS). Work completed or in process includes:

- Updating SIP-approved rules: Ecology completed the SWCAA rule update to the SIP. We are currently working with YRCAA to help them update their rules. We have not had any

response from PSCAA regarding the status of their rule development and are instead beginning work with NWCAA. Prevention of nonattainment collaboration:

- Yakima PM_{2.5} Advance
- BCAA-Tri-Cities Ozone “at-risk” community
- Reduce PM₁₀ at Wallula (Kennewick)
- Grants to other at risk communities for reducing criterial pollutants

We provided YRCAA an in-depth presentation on PM_{2.5} and how it is affecting YRCAA’s area of responsibility. Our monitoring went through the analysis of monitored PM_{2.5} levels in the Yakima region; our toxicologists provided a presentation of the environmental and health effects of PM_{2.5}; our emissions inventory and our monitoring experts analyzed the contributing sources of PM_{2.5} in the area; and our policy expert described the consequences of failing to maintain the NAAQS.

One of our veteran SIP Planners has attended multiple meeting with the City of Pasco to answer questions pertaining to elevated levels of ozone in the area. Working in tandem with our Science and Engineering Section (SES) and Benton Clean Air Agency, he is helping the city identify possible projects to reduce ozone. This effort is ongoing.

We are finishing a Prevent Non-Attainment Grant project, in which we funded \$163 thousand to recipients in Benton, Franklin, and Klickitat Counties to reduce soil erosion on expiring CRP lands, and provide education and outreach to producers in the respective communities. We entered over 2,000 acres into range planting, no-till, and shrub-steppe enhancement contracts at less than \$41/acre

- Ecology is evaluating the results of the Tri-Cities Ozone Precursors Study, and is working with BCAA and local partners on a preventing nonattainment grant and outreach efforts.
- Exceptional events:
 - Submitted 2017 exceptional event demonstrations for three wildfire PM₁₀ exceedances at Kennewick and Yakima (September 5-7)

I-flagged 2018 Ozone, PM₁₀, and PM_{2.5} exceedances Finalizing the mitigation plan for Wallula maintenance area (Kennewick) to submit by April 30, 2019

2. Ecology, the EPA, and the local air quality agencies will coordinate on designation recommendations and related nonattainment planning.

2020 Update:

PPS: Round 4 of the 2010 SO₂ NAAQS Designation Process

- Ecology concluded three years of SO₂ monitoring (2017-2019) for the counties not included in the 2017 designations: Chelan, Douglas, and Whatcom.
- We submitted to EPA on July 16, 2020, designation recommendations of attainment/unclassifiable for Douglas and Chelan Counties. On Aug. 21, 2020, EPA proposed finding the two counties to be in attainment for the standard.
- Ecology completed and transmitted to EPA in June 2020 monitoring data and a technical report, developed in partnership with NWCAA, for Whatcom County. In April Intalco had announced

that starting in July, in the middle of the Covid-19 pandemic, they would fully curtail operations of the Intalco/Alcoa aluminum smelter in the Cherry Point Industrial Center, the only significant SO₂ source in the area. On Aug. 21, 2020, consistent with data submitted by Ecology, EPA proposed to designate a portion of Whatcom County near the Alcoa aluminum smelter to be in nonattainment for the standard.

2019 Update:

PPS: Work completed or in process includes:

- Ozone: EPA issued an attainment/unclassifiable ozone designation for Clark, Cowlitz, and Skamania counties in 2018.
- On November 7, 2017, Ecology submitted its updated designation recommendation for the 2010 SO₂ NAAQS. Ecology worked closely with SWCAA and ORCAA on designation recommendation around Trans Alta. In December 2017, EPA proposed to designate all areas as attainment/ unclassifiable except two instances:
 - 1) the area around Trans Alta was designated as unclassifiable.
 - 2) Based on preliminary monitoring data, part of Whatcom County will likely be designated “nonattainment” during Round 4 Designations,
 - 3) Chelan, and Douglas counties are not designated pending monitoring data results.

3. *Ecology and the local air quality agencies will submit to the EPA New Source Review (NSR) rules that are federally approvable and consistent with federal rules/guidance.*

- a. Ecology will maintain an up to date NSR (both major and minor NSR) program including any necessary rule updates in the State Implementation Plan (SIP).***
- b. Ecology, the EPA, and the local air quality agencies will continue to make progress in updating the SIP to reflect local air quality agency rules and jurisdiction.***

2020 Update:

PPS: Ecology’s NSR rules are up to date at this time. We continue working with local air agencies to update their rules into the SIP. We have completed SIP updates for PSCAA, NWCAA, and are in the process of working with YRCAA on their rules and with SRCAA on updating their rules into SIP. We continue to work with Ecology permit writers and our local partners to identify potential regulatory issues related to NSR and update our rules docket accordingly.

2019 Update:

PPS: Work completed or in process includes:

- See SSM update further below.
- Comprehensive YRCAA Regulation I update: Ecology continues to work with YRCAA on updating their rule. YRCAA intends to bring their rule proposal to their board this April. We have staff helping them complete their in/out tables now. Once this is complete, we will move to help them update their CO and PM₁₀ Second 10-year maintenance plans.

- 4. Ecology will submit “infrastructure” SIP certifications for National Ambient Air Quality Standards (NAAQS) as required by sections 110(a)(1) and (2) of the Clean Air Act, including the 2010 sulfur dioxide and 2015 ozone NAAQS revisions and any future NAAQS revisions.**

2020 Update:

PPS:

- Ecology completed and submitted to EPA on September 30, 2019, Infrastructure Requirements for the 2010 SO₂ and 2015 Ozone Standards SO₂ interstate transport. As of this writing, the infrastructure SIPs were approved into the federal register. All interstate transport SIPs are now approved into the federal register with the exception of the 2010 SO₂ Interstate Transport SIP. Ecology submitted this to EPA in 2018. As of this report, Ecology has completed all interstate transport and infrastructure SIP requirements.
- SIP updates have been completed for Chapter 173-400 WAC and Chapters 173-405, 173-410, and 173-415 WAC rule amendments. Implementation of these rule changes are triggered once SSM legal questions are resolved at the federal level.

2019 Update:

PPS: Work completed includes:

- We have completed rulemaking to Chapter 173-400 WAC and we are scheduled to adopt our rule update to Chapters 173-405, 173-410, and 173-415 WAC by April 23.
- Ecology has completed the analysis and the draft. We are waiting for EFSEC to adopt their rule updates so we can submit a complete product.

- 5. Ecology will submit a plan (SIP) addressing the “transport” element section 110(a)(2)(d) of the Act for any future NAAQS revisions.**

2020 Update:

PPS: There are no outstanding interstate transport SIP obligations at this time.

2019 Update:

SES: There are no outstanding interstate transport SIP obligations at this time.

- Ecology submitted an interstate transport SIP for SO₂, O₃, and PM_{2.5} on February 7, 2018.

- 6. Ecology will develop the regional haze SIP for the second implementation period (2018-2028) due July 31, 2021.**

2020 Update:

PPS: Ecology’s internal Regional Haze team consists of emission inventory and modeling specialists, engineering staff, SIP writers and planning staff, and includes management representation. Air quality program modelers participate in the Western Regional Air Partnership (WRAP) regional haze work group.

Following Q/d screening of facilities potentially contributing to regional haze, we collected and analyzed information for 4-factor/RACT analyses to identify reasonable emission controls. We are consulting with federal land managers on preliminary draft recommendations. We coordinate with other states through WRAP and the Western States Air Resources (WESTAR) council, and are planning for public comment in spring 2021.

2019 Update:

PPS:

- Ecology established an internal Regional Haze team (including management representation, inventory and modeling specialists, engineering staff and planning staff) that meets monthly to discuss the development of the 2021 RH plan. Additionally, several of our staff are active members of numerous WRAP committees.

Ecology completed the Q/d analysis to screen sources that might be subject to the 4-factor/RACT analysis according to the EPA guidance

- 7. Ecology, the EPA, and the local air quality agencies will coordinate to expeditiously and efficiently address ongoing Clean Air Act (CAA) requirements such as CAA 175A (2nd 10-year maintenance plans) and CAA 110(l) plan revisions to maintain a modern, effective, and legally defensible air program reflected in the SIP.***

2020 Update:

PPS:

Dust and High Wind

- Ecology completed in October 2019 the Wallula Second 10-year Maintenance Plan SIP for PM10, covering the period through 2025, and fulfilling the final maintenance planning requirements of the CAA for the Wallula Maintenance Area. We continue to monitor air quality at the designated monitor.
- As part of the High Wind Fugitive Dust Mitigation Plan for the Wallula Maintenance Area, completed April 2019, Ecology participates with local partners Benton Clean Air Agency and Benton Conservation District(BCD) in a high wind dust prevention workgroup. The group has educated farmers and the general public about the need to minimize dust during high wind events and promoted conservation measures that minimize soil erosion. Ecology invested \$141,000 with the Benton Conservation District to incentivize farmers to use no-till or erosion mitigation methods on their fields. As of this report, BCD has contracted with land-owners more than \$91,000 to convert land to direct-seed, no-till, or cover crops.

Yakima area

- The YRCAA is nearing completion in updating their rules; once complete and incorporated into the SIP, we will work with them to update their CO and PM10 Second 10-year maintenance plans.

2019 Update:

PPS: Work in process or completed includes:

- Ecology is finalizing the 2nd 10-year maintenance plan for the Wallula area. Once we have the feedback from EPA Region 10, we will finalize the draft and begin the review/outreach process.
- Ecology posted a GIS layers map of nonattainment and maintenance areas on the web.
- YRCAA developed their 1st draft of the limited maintenance PM10 plan. However, this and CO maintenance plans were put on hold while YRCAA focuses on the rulemaking and rule update in the SIP. This rulemaking is ongoing and YRCAA's board should review the proposal during their April meeting.

8. Ecology, the EPA, the local air agencies and the Washington State Department of Natural Resources will coordinate on Smoke Management, including possible updates to the Washington Smoke Management Plan.

2020 Update:

PPS: EPA, Ecology, Washington State Department of Natural Resources, and local air agencies continue learning and improving with respect to coordinating on smoke management.

- Ecology participated in the weekly smoke coordination phone call hosted by DNR while prescribed fires were being permitted, and an "after action review" following the 2019 fall prescribed burning season.
- We continue meeting regularly with DNR, joined as appropriate by EPA, making progress on Smoke Management Plan SIP updates. Ecology and DNR are working on technical analyses and have made progress on technical analysis for three of five identified questions. We gave updates to WAAQM, engaged in discussions with OR DEQ, and have researched certain questions about the relationship between smoke management and regional haze. We continue discussions regarding recent legislation. (DNR completed SEPA review of their updated SMP in 2019; subsequent legislation, passed also in 2019, allows prescribed burning in urban growth areas – where it previously was not permitted.)
- EPAs annual Smoke Meeting, planned for spring 2020, was cancelled due to Covid-19.

2019 Update: no update. Newly added to PPA in SFY20-21 cycle.

9. Ecology will submit a vehicle inspection and maintenance (I/M) report by July of each year. Ecology will need to submit a report in 2019 with 2018 data, and they will need to submit a report in 2020 with 2019 data. After that they can discontinue submitting reports due to no implementation to report.

2020 Update:

TSS: Ecology submitted the 2020 I/M report to EPA in June 2020. The 2020 report contained vehicle emission testing summary information and statistics for the calendar year 2019. This was the final report as the I/M program was discontinued by Washington State statute at the end of 2019.

Ecology submitted a proposal to remove I/M requirements from the SIP and has added eliminating the Washington vehicle emission testing rule to our rulemaking docket.

2019 Update:

TSS: Required annual plans have been submitted for 2017 and 2018.

PPS: We are finalizing our request to EPA to remove Washington's vehicle I/M rules (Ch. 173-422) from the SIP as well as a control measure from several maintenance plans. We have concluded our public comment period and are finishing our response to comments. We intend to submit our request by May 15, 2019 and request a response from EPA no-later-than December 31, 2019.

10. Ecology will submit a SIP revision(s) to address the Start-up Shutdown and Maintenance SIP Call for Ecology, SWCAA, and EFSEC.

2020 Update:

PPS:

- Ecology submitted SIP updates following rule amendments addressing startup , shutdown, and malfunctioning, including submittal for separate rulemaking that aligned rules for aluminum and kraft facilities.
- SIP updates addressing startup , shutdown, and malfunctioning were submitted for SWCAA and EFSEC.

2019 Update:

PPS: Work completed includes:

- Ecology has addressed the deficiencies identified in the Startup, Shutdown and Malfunction SIP Call in the rule (Ch. 173-400 WAC) which Ecology adopted the changes to the rule on August 16, 2018. The adopted rule also changes the public noticing method for NSR to web posting as allowed by EPA's revised public noticing requirements.
- The preparation for the SIP revision is in progress. We will finish our SSM rulemaking pertaining to kraft and aluminum facilities and finish drafting our SIP updates in May 2019. .
- EPA OAQPS is reviewing the startup, shutdown and malfunction action for possible modification.

Ecology is finalizing our rule updates to Chapters 405, 410, and 415 WAC. This will align rules pertaining to aluminum and kraft facilities to our SSM updates in Chapter 173-400 WAC. We were unable to reach an agreement with the refinery sector to set alternative emission limitations for SO₂ emission from sulfur recovery units. Based on industry's request, we intend to cease rulemaking. The five Washington refineries will be subject to the 1000 ppm limit once EPA removes 107 from the SIP.

Air Toxics – Outputs

- 1. Ecology will review EPA's 2014 National Emission Inventory (NEI) and begin preparation of the 2017 NEI. Ecology will augment the NEI with state-calculated criteria and toxics inventories for significant emissions sources where state data can improve the EPA estimates. The point source inventory will include available air toxics data submitted to the state by local air quality agencies. Ecology's work on the 2017 NEI will be completed by the end of 2019.***

2020 Update:

SES: Ecology completed preparation of the 2017 NEI. Ecology submitted activity data and state-calculated criteria inventories for significant emissions sources where state data can improve the EPA estimates. The point source inventory also includes available air toxics data submitted to the state by local air quality agencies.

Ecology completed all goals and objectives related to the SSM SIP call.

2019 Update:

SES: Ecology reviewed the final 2014 NEI (version 2). Ecology and EPA are in the process of completing the 2017 NEI. Ecology provided model inputs and state-calculated criteria and toxic emissions to the 2017 NEI for source categories that were due in January 2019. Ecology is on track to meet upcoming due dates in March and June for the remaining source categories.

- 2. Toxics emissions submitted by facilities tracked in Ecology's point source database, WEIRS, will be provided to the EPA for the annual NEI. Washington Emissions Inventory Reporting System (WEIRS) contains emissions from major sources in WA, except those under the jurisdiction of ORCAA, PSCAA, and SWCAA.***

2020 Update:

SES: Ecology submitted the 2017, 2018 point source toxics inventories by their due dates. The inventory included toxics emissions submitted to Ecology by regulated facilities, and local air agencies that report to Ecology's point source database (WEIRS).

2019 Update:

SES: Ecology submitted the 2015, 2016, and 2017 point source toxics inventories by their due dates. The inventory included toxics emissions submitted to Ecology by regulated facilities, and local air agencies that report to Ecology's point source database (WEIRS).

Permitting and Program Delegation – Outputs

- 1. As appropriate for each agency, Ecology and local air quality agencies will update regulations and delegations/approvals to reflect new or revised rules under 40 C.F.R. Parts 51, 60, 61, 62, 63, 64 and 70.***

2020 Update:

PPS: Ecology is in the process of scoping rulemaking that would include updating by reference federal rules.

2019 Update:

PPS: Work completed or in progress includes:

- January 24, 2018 adoption by reference date as part of the SSM rulemaking

- Summer or fall 2018 adoption by reference date as part of the pulp/kraft mills/aluminum plants rulemaking to align with SSM revisions anticipated to start this summer

2. Ecology will maintain an up-to-date Prevention of Significant Deterioration (PSD) program. The EPA will work expeditiously with Ecology on revising the SIP and approving Title V program updates as needed. Ecology will promote training and discussion with local permitting agencies to help ensure permit writers understand applicability of Major New Source Review.

2020 Update:

PPS: Ecology permit writers provide input to scoping and review of potential rule amendments.

- The quarterly permit writers' meeting identifies issues and facilitates dialog across the state. This meeting is attended by Ecology permit writers and permit writers from the local air agencies.
- An internal workgroup that included air quality program regional staff, Ecology's industrial section, and nuclear waste program updated guidance and in the process identified topics for potential rule updates.

2019 Update:

SES: The Ecology PSD Program prepares PSD permits for industrial sources of air pollution, except for projects involving Washington's Energy Facility Site Evaluation Council (EFSEC). Ecology's PSD Permit Information Website includes information about PSD permits that are being or have been drafted by Ecology, comment and appeal procedures, and information for PSD permit applicants. Final PSD Permits can be found on this webpage.

Outcome Measures: Average number of days it takes to process (complete) Notice of Construction permit Decision Time (days) was 65 in 2017 and 58 in 2018. The average number of days it takes to process (complete) PSD permit Decision Time (days) was 190 in 2017 and 104 in 2018.

PPS: Work completed or in progress includes:

- We completed 2018 rulemaking to Chapter 173-400 WAC. This updates the adoption of federal rules as of January 24, 2018. This also updates any changes to PSD rules.
- We are in the adoption phase of updating the adoption by reference date as part of the pulp/kraft mills/aluminum plants rulemaking to align with SSM revisions.
- The 2018 rulemaking to Chapter 173-400 WAC revised the public noticing method for NSR to web posting as allowed by EPA's revised public noticing requirements. See Section 740 (permitting public involvement requirements and Section 800 Public involvement requirements). We will send this change as part of our SIP adoption packet.

3. Ecology will continue to:

- develop WEIRS, a web-based emission inventory system to track "allowable" emissions data as well as "actual" emissions data (this system will be used to collect***

and track available allowable emissions data from Ecology and local air quality agency permittees);

- b. communicate to permittees and local air quality agencies about the value of allowable emissions data, specifically by requiring PSD applicants to use allowables in their air quality impact modeling; and***

communicate to the PSD consulting community that it is the source's responsibility to compile an allowable inventory for impact modeling (although Ecology and local air quality agencies will assist if requested).

2020 Update:

SES:

- Ecology SES staff communicated this information to local air quality agencies and regional Offices by attending the statewide permit writer's meetings and discussing how we can obtain allowables data. From the discussions and follow-up actions:
 - Continued to discuss the challenge, process and timing to include allowables in future permits' statements of basis.
- Ecology SES also communicated this information in the annual WEIRS training sessions.
- SWCAA has an allowables database for their sources. We collected the data for inclusion in the PSD modeling package that we offer on our website; however, key staff turnover and the complexity of the data have delayed this effort. It would be a major effort to collect allowables for facilities under the jurisdiction of other permitting agencies, and involve significant state, local, and industry resources. Without management commitment and a formal strategy, continued staff level discussions are not likely to result in collecting allowables.
- PSD applicants have been told to use allowables data. If they ask Ecology for assistance, we provide them the PSD modeling data on our website. This database consists of actual (not allowable) emissions data from the Washington Emissions Inventory Reporting System (WEIRS).
- Ecology has began an initiative to increase PSD applicability information available to minor NSR permit writers and major sources in Washington and improve engagement with those making PSD determinations.

PPS: We last updated PSD rules in 2016. As of this report, we have identified no regulatory work necessitating immediate rule amendments.

Compliance Assurance – Outputs

- 1. The EPA, Ecology, and the local air quality agencies have determined that we should terminate the 2003 Compliance Assurance Agreement (2003 CAA), and draft a new Compliance Assurance Agreement in 2019.***

2020 Update:

CRO/ERO: A new CAA remains to be drafted.

2019 Update:

This has not yet happened. Ecology is happy to meet within this PPA period to accomplish this task. Who schedules?

2. Ecology, the EPA, and local air quality agencies will follow:

- a. the national “Minimum Data Requirements for CAA Stationary Sources Compliance,” January 2012 (MDRs);**
- b. the national “Clean Air Act Stationary Source Compliance Monitoring Strategy,” July 2014 (CMS);**
- c. the national HPV policy, “Timely and Appropriate Enforcement Response to High Priority Violations,” August 2014; and**
- d. the national “Guidance on Federally-Reportable Violations for Clean Air Act Stationary Sources,” September 2014 (FRV policy).**

2020 Update:

CRO/ERO: Ecology is in general compliance with these four items. Ecology staff has attended ICIS trainings, when offered.

2019 Update:

We are in general compliance with these four items. More attention needs to be paid to HPVs for all of Ecology. Also, the ICIS reporting system is not yet clear, and we have agreed with EPA that trainings are needed to assure proper data submittal.

- 3. As part of the annual collaborative planning meetings (and the quarterly HPV calls, when needed), the EPA, Ecology, and local air quality agencies will review and discuss compliance and enforcement programs for federally-delegated programs, including key activities, emerging issues, and program needs. The EPA, Ecology and the local air quality agencies will also connect as necessary in the permit writer’s forums and compliance forums.**

2020 Update:

CRO/ERO: EPA facilitates these quarterly review sessions. We are actively following this objective output.

2019 Update:

EPA facilitates these quarterly review sessions. We are actively following this objective output.

Monitoring and Assessment -- Outputs

- 1. Ecology works with local air quality agencies to complete and submit a review of the air monitoring network to the EPA by July 1 of each year. The EPA will respond within 120 days of the submittal of the monitoring network plan.***

2020 Update:

TSS: The 2020 Annual Network Plan was submitted to EPA within the July 1, 2020 deadline. Ecology fully anticipates submitting the 2021 report by the July 1, 2021 deadline.

In March 2020, Ecology made a number of necessary modifications to routine monitoring operations in response to COVID-19 and guidance from statewide officials. Ecology coordinated with EPA, local clean air agencies, tribes, and partner analytical laboratories in order to modify operations to reduce nonessential travel and potential exposures for operational staff and others. As of March 16, 2020, Ecology temporarily suspended manual method air monitoring activities, which affected data collection for the following programs:

- Filter-based PM10 and PM2.5 monitoring
- National Air Toxics Trends Station (NATTS) monitoring
- PM2.5 Chemical Speciation Monitoring

Manual method sampling resumed during August 2020 but there will be significant data loss from the approximately 5 months that the filter-based PM2.5, NATTS, and CSN networks were suspended. In addition, due to field work restrictions in response to COVID, some quality control checks and quality assurance audits of continuous method FRM/FEM monitors were not done within required timeframes.

2019 Update:

The Annual Network Plan was submitted to EPA within the July 1, 2018 deadline. We have reviewed results from last year's report so that we can incorporate any needed changes. Notably, there are some PM10 issues to resolve, though they are all underway. We are on-track to submit our 2018 ANP by this year's deadline. We re-hired our vacant Monitoring Coordinator.

- 2. Ecology certifies its prior calendar year of ambient air monitoring to the EPA by May 1 of each year.***

2020 Update:

TSS: Ecology completed the 2020 annual data certification by the May 1st deadline and fully expects to likewise complete the 2021 certification by the May 1, 2021 deadline.

2019 Update: Complete

- 3. Ecology, the EPA, and local air quality agencies will use listservs, e-mails and web pages to inform the public about air monitoring results.***

2020 Update:

TSS:

This work is continuous and ongoing. The highlight this year is our new air monitoring “dot map” which was successfully rolled out to the public in July 2020. The new dot map website is much improved visually and all of the key information is still available and navigation has been made more user friendly and accessible. We have added a smoke forecast feature to the website that has become the most visited page on the website. Finally, we continue load testing and subsequent improvements in order to ensure that we are able to meet the incredibly heavy user demand we experience during the smokiest summer wildfire conditions.

2019 Update:

This work is continuous and ongoing. A particular highlight this year is that the entire agency revised its web presence. While the new look is different, the key information is still available, and easier to find for the public and our stakeholders. This has been confirmed with usability testing. We are well underway on a process to revise our “dot-map” monitoring webpage to make it more user friendly. The existing dot-map has been revised (behind the scenes) to make it faster. Last summer’s statewide event was unprecedented, and while we had already increased our server capacity, we were overwhelmed. We believe we now have enough speed to be accessible during a statewide smoke event.

4. Ecology, the EPA, and local air quality agencies will use data resources to support communication and understanding about identified air pollution problems.

2020 Update:

Communications:

Ecology’s public outreach efforts in the past year helped the public access information on air quality, wildfire and wood smoke, burn bans, improving indoor air quality, dust, the connection between air quality and respiratory health, greenhouse gas emissions and climate change, low and zero-emission vehicles, the health impacts of diesel emissions, efforts to monitor and control major sources of sulfur dioxide air pollution, and the end of vehicle emissions testing in Washington State.

2019 Update:

Targeted Ecology publications and web posts this year helped with understanding of: dust, wildfire smoke, vehicle I/M, rules work, vehicle idling, climate change, the clean air rule, woodstoves, winter tips (inversions), burning, burn bans, Low Emission Vehicles, the VW settlement, and others.

List of Recent SIP Approvals

FY19 & 20

Update to Chapter 173-400 WAC (non-SSM)
Update to Chapters 173-405, 173-410, and 173-415 WAC (non-SSM)
Update to EFSEC regulations (non-SSM)
Update to Puget Sound Clean Air Agency regulations
Update to Northwest Clean Air Agency regulations
Wallula 2nd 10-year maintenance plan for PM10
SO2 interstate transport (proposed)
SO2 and ozone infrastructure (proposed)

FY18

Regional Haze 5-year Progress Report
Interstate Transport – 2012 PM2.5 NAAQS
Interstate Transport – 2015 Ozone NAAQS
Interstate Transport – 2010 SO2 NAAQS (Submitted)

FY17

SWCAA 400 rule update
EFSEC update – including PSD

FY16

Benton CAA 400 rules
2008 ozone interstate transport
Spokane PM10 LMP
Spokane CO LMP
WA 40 CFR part 52 cleanup
Ecology 400 rule update – including PSD
BP BART revision
Exceptional Event Demonstration concurrences for three events at Kennewick in 2013

FY15

PM2.5 interstate transport
Ozone and NO2 infrastructure
PM2.5 infrastructure (1997, 2006, and 2012 standards)
Nonattainment New Source Review
Pb and NO2 interstate transport
WA PSD
Spokane wood stove rules
Tacoma redesignation
Vancouver ozone 110(a)(1)

FY14

Ecology 400 rules

Ecology wood stove rules

Pb infrastructure

NAAQS update

Kent, Seattle, Tacoma PM10 LMP

Puget Sound Ozone maintenance plan

Regional haze SIP/FIP