

Aviation Noise Working Group

MEETING SUMMARY

FEBRUARY 14, 2022; 5:00 PM – 6:30 PM

VIA ZOOM VIDEOCONFERENCE

Meeting Objectives:

Update on the 4th quarter results for Aviation Near-term Noise Action Agenda efforts. Recap of the China Airlines Cargo meeting with POS. Overview of the planned next steps with Rolling Takeoffs. Progress update on the Ground Noise Study.

Meeting Summary:

- I. Facilitator welcome, introduction, and meeting agenda, *Brian Scott, BDS Planning & Urban Design*
- II. Aviation Near-Term Noise Action Agenda: 4th Quarter Results, *Tom Fagerstrom, Noise Programs Coordinator, Port of Seattle*
 - A. Third Runway Usage
 - In December each of the runways were periodically closed due to the snow and ice and in late January the east runway was closed for 5 nights for rubber removal requiring increased use of the third runway.
 - The FAA is aware of this level of usage and they are committed to the voluntary agreement that limits use of the third runway during the late night hours.
 - B. Late Night Noise Limitation Program
 - During the 4th quarter, 2021:
 - 63% of FedEx operations exceeded the threshold making them the number one noise offender during the late night hours.
 - POS is working to set up a meeting with ATI/Amazon who are also in the top three for late night noise exceedances.
 - China Cargo Airlines stops for fuel at SEA between 4:00 am - 6:00 am and POS reached out to them about their noise exceedances.
 - A number of Delta flights were delayed and left after midnight which helps explain their late night noise threshold exceedances.
 - China Cargo Airlines fuel stops and domestic passenger airlines were the primary reason for the exceedance increases in Q4.
 - C. Noise Comment Report
 - The report is posted on the POS website monthly.
 - Total complaints received by SEA in 2021 was 270K.
 - SEA was in south flow almost the entire month of January and that resulted in increased noise complaints from Vashon Island, Seattle and Burien.
 - POS received 23K complaints in January and out of that 14K came from Vashon.
 - POS also received increased complaints from Burien about airfield noise.

III. China Airlines Cargo Meeting Recap, Marco Milanese, Sr. Community Engagement Manager, POS

POS met with China Airlines Cargo representatives to share with them their late night noise exceedance numbers from the 4th quarter, showing that out of 49 flights, 35 were exceedances, placing them third on the list of the loudest carriers at night. While POS was not given a timeline, China Airlines Cargo said that they are adding the quieter 777 to their fleet. They also shared their plan to purchase three more this year but couldn't say when we would see those at SEA. China Airlines Cargo pledged to continue to talk with POS.

IV. Rolling Takeoffs Noise Monitoring, Stan Shepherd, Noise Programs Senior Manager, POS

POS is working to start formalizing a voluntary program, when weather and traffic conditions allow, to increase the usage of rolling takeoffs which are potentially quieter than traditional takeoffs.

Oakland has implemented a rolling takeoffs program in 2002.

POS is communicating with Delta, Alaska, and Southwest about any next steps.

POS will soon start some noise monitoring to better understand the noise reduction during a rolling takeoff compared to a takeoff where an aircraft stops first on the runway.

V. Ground Noise Study Potential Recommendations: Progress Update, Gene Reindel, Vice President, HMMH

Gene described the various mitigation techniques for airfield ground noise as detailed in the FAA's Part 150 regulations. They include the following:

- Changes in airport layout
- Isolate run-ups
- Install barriers/shielding
- Restrict operations
- Land use controls

He discussed some of the possible techniques that airports could apply to lessen ground noise. All have limitations and challenges and would need to go through a further evaluation process. They include:

- One Engine Taxiing: Use only the engine farthest from the community when taxiing.
- Queuing Improvements: More precise scheduling of the sequencing of aircraft.
- Auxiliary Power Unit (APU) use: Have a process in place for aircraft to use ground power and turn off their APU's.
- Reverse Thrust Upon Arrival: Look into whether the existing language can be enhanced to further limit use when not needed to slow down an aircraft.
- Start-of-takeoff roll: Starting takeoffs from runway intersections.
- Engine run-ups: move run-ups to a location farthest from surrounding neighborhoods.

VI. Next Steps + Future Agenda Items

- The working group identified the following future agenda items:
 - Continue dialogue on the monthly noise complaints and how they are used by the Port.
 - Prioritize ground noise reduction efforts at the April meeting.
 - Potential steps to disincentivize aircraft from stopping at SEA just for fuel.
 - Invite a pilot to talk about the use of reverse thrust.
- POS will investigate why China Cargo Airlines stops at SEA only for fueling.

| MEMBER | INTEREST REPRESENTED | PRESENT |
|-------------------|--|---------|
| AMY ARRINGTON | NORMANDY PARK – CITY | ✓ |
| BILL VADINO | FEDERAL WAY – CITY | ✓ |
| BOB LEONARD | DES MOINES – COMMUNITY REPRESENTATIVE | - |
| GARMON NEWSOM | BURIEN – CITY | - |
| CARL COLE | SEATAC – CITY | - |
| CHRIS HALL | FEDERAL WAY – COMMUNITY REPRESENTATIVE | ✓ |
| DAVE BERGER | FEDERAL WAY – COMMUNITY REPRESENTATIVE | - |
| DAVID TOMPOROWSKI | SEATAC – CITY | - |
| LANCE LYTTLE | PORT OF SEATTLE | ✓ |
| LYNAE CRAIG | ALASKA AIRLINES | ✓ |
| MICHAEL MATTHIAS | DES MOINES – CITY | ✓ |
| ROBERT AKHTAR | SEATAC – COMMUNITY REPRESENTATIVE | - |
| SCOTT INGHAM | DELTA AIR LINES | ✓ |
| SCOTT KENNEDY | ALASKA AIRLINES | - |
| STEVEN OSTERDAHL | ALASKA AIRLINES | - |
| SUSAN CEZAR | DES MOINES - CITY | - |
| PRESENTERS | TITLE | |
| GENE REINDEL | VICE PRESIDENT, HMMH | ✓ |
| RESOURCES | TITLE | |
| ARLYN PURCELL | PORT OF SEATTLE | ✓ |
| CHRIS SCHAFFER | FAA | ✓ |
| COLIN RICE | PORT OF SEATTLE | - |
| JUSTIN BIASSOU | FAA | ✓ |
| MARCO MILANESE | PORT OF SEATTLE | ✓ |
| STAN SHEPHERD | PORT OF SEATTLE | ✓ |
| TIM TOERBER | PORT OF SEATTLE | - |
| TOM FAGERSTROM | PORT OF SEATTLE | ✓ |
| CONSULTANT | | |
| BRIAN SCOTT | BDS PLANNING & URBAN DESIGN | ✓ |
| DORI KRUPANICS | BDS PLANNING & URBAN DESIGN | ✓ |
| VINCE MESTRE | CONSULTANT | ✓ |

NEXT MEETING: APRIL 11, 2022- 5:00 PM - 7:00 PM
 LOCATION: ZOOM VIDEOCONFERENCE