

**Alaska Cruise Ship Initiative
Air Working Group
Summary of April 18, 2001 meeting
7th Floor conference room, Juneau Federal Building**

David Rogers, Deputy Director of Air and Water Quality, convened a meeting of the Working Group at 10:00 a.m. on April 18, 2001. Here is a summary of Discussions, Proposals and Action Items:

1. David Rogers provided a summary of the Steering Committee meeting on April 6 and an update on pending state legislation.
2. Review of the 2001 air monitoring project. Richard Heffern of ADEC briefed the Group on the status of the 2001 Air Monitoring Project for Juneau.
 - NWCA awarded the Juneau Ambient Air Monitoring Contract to RTP Environmental Associates (same contractor as previous year).
 - The project's Monitoring Plan/QAPP document being revised from last season's monitoring plan. Revised QAPP to be submitted to ADEC by May 15, 2001.
 - Scheduled start date of May 15, 2001
 - 3 monitoring sites selected and arrangements made regarding site access, power/phone availability.

Wickersham House Site.

Monitoring Parameters: sulfur dioxide (SO₂) continuous, PM_{2.5} gravimetric 24hr (sample collection is every other day in summer and every 3rd day in winter months), wind speed, wind direction, nephelometry-PM_{2.5} continuous.

Marine Park Site.

Monitoring Parameters: SO₂, PM_{2.5} gravimetric

Highlands Site (MacKinnon).

Monitoring Parameters: SO₂, PM_{2.5} gravimetric

- Monitoring shelters for each site under construction with expected installation dates the week of April 23, 2001.
 - Assumed Monitoring Duration: Six months. May 15 – November 15, 2001. Monitoring may be extended pending additional monetary commitments.
 - In response to citizen observed air quality impacts in the Star Hill community, ADEC will install and operate two beta attenuation continuous particulate monitors (BAM-PM_{2.5}). One monitor will be located at the Wickersham House site and the other somewhere in the Star Hill Community. Expected BAM start date dependent upon instrument check out, site selection and power/phone arrangements.
3. Discussion of the monitoring project:
 - a. John Hansen, President of North West CruiseShip Association stated that the cruise industry is committed to conducting a year long monitoring study even if

outside funding cannot be secured for the second half of the year. Kim Metcalfe-Helmer noted with satisfaction the commitment of the industry to this project. She said she would ask the City Assembly for funding.

- b. The monitoring sites were reviewed and discussed. Ms. Metcalfe-Helmer expressed the hope that the sites would be adequate in detecting and evaluating any potential pollutants along the downtown Juneau hillsides (Highland, Star Hill). There was extensive discussion of the Marine Park monitoring site. Work group members wanted to ensure that this ground level site captured a representative sample. The consensus was that the site is adequate.
 - c. The industry requested that data be made available during the season, so that abatement action can be taken before the end of the season. Immediate notice should be given of high readings. High-low-average values should be reported quarterly. The contractor should also be prepared to give an end of July update.
 - d. NWCA expressed their appreciation for the time, effort and equipment that ADEC has committed to the project.
4. At the January 25 Work Group meeting, a small subcommittee was formed to develop the best methods for documenting visibility for downtown Juneau. To date, that subcommittee has been unable to meet. Robert Reges expressed the view that even if there is not an ambient problem, there still may be visibility/haze concerns. David Rogers will facilitate a meeting of this subcommittee to address these issues as soon as possible.
 5. New technology update:
 - a. Five new ships will operate in Alaska in 2001. Two will have gas turbine engines. One will have high pressure electronic fuel injection.
 - b. Other ships are changing injectors and installing computerized injectors.
 - c. Princess plans to have their shore power hook-up project completed by May 15. Princess ships under construction or planned for construction will have shore power hook up capacity.
 6. The opacity reading program will continue this year as it has in the past. ADEC has a new person in charge of this program. EPA will continue to take readings in the course of other field work. The National Park Service will continue their program in Glacier Bay and try to read every ship once. David Rogers noted that opacity enforcement is not a part of the Alaska Cruise Ship Initiative. He is planning a follow-up meeting on opacity to overview 2001 activities. Participants should be the smoke readers, industry members, and public interest groups.
 7. In summary, the group agreed:
 - (1) To the proposed monitoring sites for Juneau;
 - (1) That a subcommittee on visibility should meet soon;
 - (2) That the Work Group should meet at the end of July to review progress and findings;
 - (3) That David Rogers would distribute any notice of CWA exceedencies.