

ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION



Amendments to: **State Air Quality Control Plan** **Vol. II: III.D.7.5** **PM_{2.5} Network & Monitoring Program** **Public Notice Draft**

September 10, 2020

Michael J. Dunleavy, Governor

Jason W. Brune, Commissioner

Note: This document provides revised and/or new language proposed for inclusion in this section of the State Air Quality Control Plan addressing the Fairbanks North Star Borough PM_{2.5} Serious nonattainment area. The revised and/or new proposed language is in bold and underlined format. Language proposed to be deleted or replaced is shown in ~~strikeout~~ format. These revisions are the only part of this section that are open for public review and comment in this update to the plan. To aid in the public comment process, the currently adopted sections of the air quality plan can be found and referenced at the following internet site: <http://dec.alaska.gov/air/anpms/communities/fbks-pm2-5-serious-sip/>

7.5.1 2020 Amendment Updates to the Monitoring Network

Since the development of the Serious Area SIP the following changes have been made to the monitoring network in the nonattainment area. In August of 2019 a new Chemical Speciation Site was added to the Hurst Road monitoring site. Tables 7.5-5 and 7.5-6 summarize the changes to the site.

Table 7.5-5 PM_{2.5} Monitoring sites in FNSB

<u>Table 7.5-5</u>				
<u>Monitoring Sites for PM_{2.5} in FNSB</u>				
<u>Site Name</u>	<u>Location</u>	<u>AQS-ID</u>	<u>Designation</u>	<u>Scale</u>
<u>NCore</u>	<u>Fairbanks</u>	<u>02-090-0034</u>	<u>NCore</u>	<u>neighborhood</u>
			<u>CSN</u>	<u>neighborhood</u>
<u>A Street</u>	<u>Fairbanks</u>	<u>02-090-0040</u>	<u>SLAMS</u>	<u>neighborhood</u>
<u>Hurst Road,</u> <u>*Previously North Pole Fire Station</u>	<u>North Pole</u>	<u>02-090-0035</u>	<u>SLAMS</u>	<u>neighborhood</u>
			<u>CSN</u>	<u>neighborhood</u>

Table 7.5-6 Hurst Road PM_{2.5} Monitors

<u>Pollutant</u>	<u>Parameter-POC</u>	<u>Instrument</u>	<u>Method Designation</u>	<u>Sampling Schedule</u>	<u>Designation</u>
<u>PM_{2.5}</u>	<u>88101-1</u>	<u>Partisol 2025i</u>	<u>FRM</u>	<u>Daily Sampling</u>	<u>SLAMS</u>
<u>PM_{2.5}</u>	<u>88101-2</u>	<u>Partisol 2025i</u>	<u>FRM</u>	<u>1 in 6</u>	<u>SLAMS</u>
<u>PM_{2.5}</u>	<u>88501-3</u>	<u>MetOne BAM 1020X</u>	<u>non-FEM</u>	<u>Hourly</u>	<u>SPM</u>
<u>PM_{2.5} Speciation</u>	<u>Multiple Chemical Species</u>	<u>Met-One Super SASS</u>	<u>N/A</u>	<u>1 in 3</u>	<u>CSN</u>
<u>PM_{2.5} Speciation</u>	<u>Multiple Chemical Species</u>	<u>URG 3000N</u>	<u>N/A</u>	<u>1 in 3</u>	<u>CSN</u>