

**Laboratory Testing Equipment for Per- and Polyfluoroalkyl Substances (PFAS)**      **FY2020 Request: \$600,000**  
**Reference No: 62492**

**AP/AL:** Appropriation      **Project Type:** Equipment / Commodities  
**Category:** Health/Human Services  
**Location:** Anchorage Areawide      **House District:** Anchorage Areawide (HD 12-28)  
**Impact House District:** Anchorage Areawide (HD 12-28)      **Contact:** Shaundy Perry  
**Estimated Project Dates:** 07/01/2019 - 06/30/2021      **Contact Phone:** (907)269-7659

**Brief Summary and Statement of Need:**

The Department of Environmental Conservation requests funding to purchase technology to conduct non-regulatory testing for Per- and Poly-fluoroalkyl Substances (PFAS) compounds in drinking water, soil, and fish tissue. Equipment needs include a Liquid Chromatography Tandem Mass Spectrometry (LS-MS-MS) system to provide the sensitivity for detection limit to analyze the Health Advisory levels for PFAS set by the Environmental Protection Agency.

<b>Funding:</b>	<u>FY2020</u>	<u>FY2021</u>	<u>FY2022</u>	<u>FY2023</u>	<u>FY2024</u>	<u>FY2025</u>	<u>Total</u>
1052 Oil/Haz Fd	\$600,000						\$600,000
<b>Total:</b>	\$600,000	\$0	\$0	\$0	\$0	\$0	\$600,000

<input type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input type="checkbox"/> On-Going
0% = Minimum State Match % Required		<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

**Operating & Maintenance Costs:**

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	0
<b>Totals:</b>	<b>0</b>	<b>0</b>

**Prior Funding History / Additional Information:**

**Project Description/Justification:**

Per- and Poly-fluoroalkyl Substances (PFAS) are contaminants of emerging concern in Alaska and across the nation. Impacted public drinking water sources and private wells have been discovered in all areas of Alaska. To better assess the scope of this public health threat, the Department of Environmental Conservation (Department) will request non-regulatory drinking water samples from all 408-community water systems in Alaska and analyze them at the Environmental Health Laboratory. Additionally, the Laboratory will process samples of drinking water, groundwater, surface water, and soil collected at the request of the Spill Prevention and Response and Environmental Health Divisions. The Department’s Fish Monitoring program will also analyze existing and subsequently obtained fish tissue samples for PFAS compounds, to assess the scope of these contaminants in commercial and subsistence fish resources.

This project evaluates the risk to Alaskans from emerging contaminants of great concern. While this capital request does not anticipate any associated revenues, understanding the scope of the issue is

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of paramount importance to avoid a public health emergency such as what was experienced in Flint, Michigan.