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Date: February 2, 2020

To: John Stalvey, Interim Provost

CC: Gary Turner, Director, Kenai Peninsula College

From: Denise Runge, Dean

Re: AY20 Expedited Program Review Findings

Program/s in this review: Industrial Process Instrumentation (AAS), Petroleum Technology (UC), Process Technology (AAS)

Specialized accrediting agency (if applicable): none

Campuses where the program is delivered: Kenai Peninsula College

Members of the program review committee:

- Henry Haney, Associate Professor, KPC
- Jeffrey Laube, Associate Professor, KPC
- William Howell, Assistant Professor, KPC
- Richard Kochis, Assistant Professor, KPC

Centrality of Program Mission and Supporting Role The Industrial Process, Petroleum Technology, and Process Technology programs are well-aligned with the mission of UAA, CTC, and the Kenai Peninsula College campus. The programs meet a clear workforce need, preparing individuals who obtain employment in high-wage jobs within the resource extraction industries. Alaska currently experiences nearly forty job openings per year, and installer/technician salaries in Alaska average \$50,000 to \$70,000, according to Alaska Department of Labor data.

Program Demand (including service to other programs), Efficiency, and Productivity

Demand for the program has fluctuated during the review period, and fell sharply in 2018 and 2019. At its peak in 2015 the programs had 319 majors taken together, but by 2019 there were only 169. In terms of instructional productivity, the programs together generated 329.5 student credit hours per full time equivalent faculty in 2019, with an average class size of 12.9. Combined, these courses had a cost per credit hour of \$284.9, bringing tuition revenue per credit hour of \$211.6, for a ratio of .74. Looking only at the Process Technology (PT) courses, they were even more efficient, with a cost of only \$231.8 per credit and revenue of \$211.6, for a ratio of .91, indicating that these programs generally cover or nearly cover their costs. The AAS in Process Technology (along with its pre-major) accounts for 129 of the total majors. Overall the programs are experiencing slightly declining enrollment and some excess capacity, with moderate costs.

Program Quality, Improvement and Student Success The program faculty note in their review the very strong and ongoing support received from industry. This provides clear evidence of the program's quality. Student success in the program is also high, particularly if considered in light of post-graduation outcomes. The program faculty reported specific examples of successful students, as well as overall numbers of graduates who are still working within the industry. These results are significant and attest to both the quality and the focus of the program. The extensive use of internships, on-campus interviews, and faculty mentoring efforts are all supporting factors in the program's success.

Program Duplication / Distinctiveness Duplication/Distinctiveness: UAF also offers programs in Process Technology and Industrial Process Instrumentation. The UAA-KPC programs are unique in that they are offered primarily online, with intensive labs to allow working adults to participate. There are also differences in courses and focus between the programs. In addition, UAA-KPC offers the only Petroleum Technology program.

Commendations and Recommendations Commendations: The program is commended for its work to convert program delivery to more flexible, online and blended methods in order to accommodate working adults and those who reside outside of the KPC service area. Recommendations: The program faculty should continue to work with industry partners to explore additional attendance options for students outside of the Kenai Peninsula area. The program should work with CTC in Anchorage to provide clear information about program availability for those seeking process industry careers.

Decision *Continuation.* Program is successfully serving its students and meeting its mission and goals. No immediate changes are necessary, other than regular, ongoing program improvements.