

## CASE STUDY

# Antimicrobial Packed Filter Unit (PFU-Mini)

Red Dog Mine, Alaska



## THE PROBLEM

In 2020, Red Dog Mine reached out to PureAir to provide a cost-effective and impactful solution to reduce viral transmission, specifically COVID-19. The facility is located about 100 miles inside the Arctic Circle, which has a limited shipping season - July through October, when conditions allow ship access. Because of this timing issue, delivering the cleanest-possible air recirculation was a top-priority for the mine.



## THE SOLUTION

PureAir provided a total of 53 PFU-Mini units, each equipped with Microbe-sorb chemisorbant media and FiberShield™ Antimicrobial Nylon Fabric. Microbe-sorb media has more than 12% permanganate in the proprietary formulation, which promotes a safe environment by killing pathogens and deactivating cold and flu causing viruses. FiberShield™ provides an additional layer of antimicrobial protection, reducing the presence of microbes that come into contact with its surface by 99%, including COVID-19.

With the goal of eliminating virus infection, providing units that would recirculate and purify the air using antimicrobial technology proved to be an ideal solution.

PureAir is happy to report that after implementing the PFU-Minis with Microbe-sorb, HEPA, and FiberShield™ technologies, there has not been one reported case of transmission.

Throughout the project, PureAir's field services team collaborated closely with onsite staff to design, implement, and optimize a solution that delivered cleaner, healthier air across the facility.

