

COVID-19 Response Hub

BP Alaska is donating the code for their COVID-19 solution to help everyone respond to this crisis.

Using Esri ArcGIS and Survey 123, Resource Data built a mobile-friendly COVID-19 software solution for BP Alaska to manage and coordinate their response effort. The system collects and reports information on individual's quarantine status, health screenings, travel plans, and more. Through a central dashboard, reports, and a news feed, the company shares near-real time information across departments, agencies, and responders.



The Challenge

Hundreds of BP Alaska's workers travel to the North Slope from out-of-state. To minimize spread of COVID-19, these workers must fly to Alaska before their shift, quarantine, and provide updates on their health status.

A medical service provider recorded information from quarantined persons on paper forms. Handling paper forms increases both the risk of spreading the infection and the amount of personal protective equipment (PPE) required. The manual process also delays identifying individuals with symptoms—workers could make it as far as the gate for their flight to the North Slope before being flagged.



BP Alaska needed a mobile health screening and tracking solution, as well as a central location to manage and communicate during the crisis—one that would enable a common operating picture for better planning and response.

Any solution needed to be flexible and scalable as the pandemic, regulations, and reporting needs change frequently.

The Solution

Resource Data built a single solution, accessible on personal mobile devices, to monitor and track travel plans, quarantine status, health screenings, and pre-travel screenings. It includes

- **An enterprise site** communicating critical information related to the pandemic and business operations
- **A live news feed** providing regional and national updates
- **Dashboards** reporting critical numbers
- **Surveys/forms** to monitor the health status of slope workers
- Built-in logic for **instant travel clearance** and **FAQs** updated by leadership
- **Help page** for users



The Results

The BP Alaska COVID-19 Response Hub has decreased the risk of disease spread by limiting face-to-face interactions and getting rid of paper forms.

Employees now submit their own forms while quarantined using whatever device they have, including personal phones and tablets. Doctors, health officials, and leadership teams monitor survey results in the dashboard. If necessary, they can easily find contact information and reach out to quarantined workers for additional information. This makes for an easier and safer process.

Response planning and execution is easier with near-real-time alerts for travel changes and health status. Employees are kept informed of precautions BP Alaska is taking to keep them healthy. They can also easily find information on what to do if they're showing symptoms or come in contact with someone known to have COVID-19.

The BP Alaska COVID-19 Response Hub is also easily changed as the situation and needs evolve. Developers are currently working on requests for new forms and capabilities such as email alerts and contact tracing. With their Response Hub, BP Alaska is continuing business operations while protecting the health and safety of employees.

Section 2: Exposure and Symptoms

Known contact with a person who is under investigation for 2019-nCoV?

OR

Known contact with a person with a laboratory-confirmed 2019-nCoV case?

*
Contact is defined as: Being within approximately 6 feet (2 meters) of a 2019-nCoV case for a prolonged period of time; close contact can occur while caring for, living with, visiting, or sharing a healthcare waiting area or room with a 2019-nCoV case.

Yes

No



info@resourcedata.com
www.resourcedata.com



Copyright © 2020 BP Exploration (Alaska) Inc. All rights reserved.

Information described and/or contained herein is confidential and proprietary to BP. BP, its affiliates and their contributors shall not be liable for any use of the information described and/or contained herein and assume no responsibility for any use of the information. In no event shall BP, its affiliates or their contributors be liable for any direct, indirect, incidental, special, exemplary, or consequential damages however caused and on any theory of liability, whether in contract, strict liability, tort (including negligence or otherwise), or any other theory, even if advised of the possibility of such damage.