

Projects - Machinery - Engineering - Process Automation and Controls

150,000 GPD Resort Drinking Water from well

The resort is located on the edge of Denali Canyon Park, on of the most pristine nature reserves in the world

Our scope of work is a pure drinking water system to treat water from a well, with a moderately high iron content and common hardness of well water sources

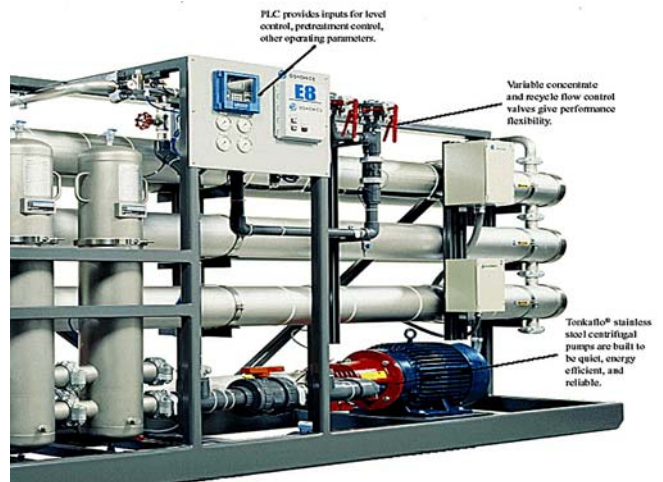
**Denali Park**

The location in a 5 star resort and scarce water resource area puts a premium in fresh drinking water quality and emphasizes the need to maximize water recovery and minimize waste

The very low temperatures of the Alaskan winter and permafrost provided also additional design challenges and construction schedule demands

To optimize results, we designed a pre treatment system with greensand resins to remove iron and hardness, followed by a high efficiency reverse osmosis system, followed by a post-chlorination system.

A series of high precision metering pumps are also provided to optimize reagent water control

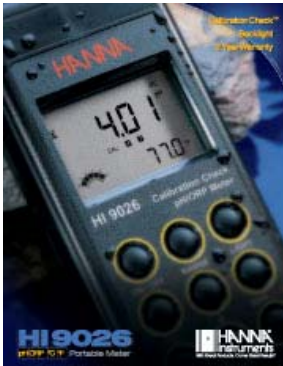
**Pre – Treatment pressurized filters****GE Reverse Osmosis Skid**

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Easy Access HMI Interface

The entire system is highly automated with electronic controls and careful selection of best instrumentation for continuous process monitoring and alarm surveillance from a remote control room.



A very modern and complete set of analytical laboratory instruments was also provided to ensure constant process quality monitoring and raw materials inspection.



Indagro also supplied engineering design and installation / start – up services. BY careful planning and support of our highly qualified engineers the system was up and running in less than 10 days

