Barnard Construction
OnSite
Spring 2010
integrity ■ innovation ■ performance

35 Years of Tackling Challenges

CEO Tim Barnard

Tim Barnard is not one to dwell on the past, but he can tell you exactly where he started. Barnard keeps the original bid documents of his first $16,000 construction job in a file cabinet behind his desk. These traits of constantly looking forward and paying attention to detail have helped him build a company from one man with a shovel and a pickup to today's Barnard Companies, bondable in excess of $1 billion. This year we celebrate the 35-year anniversary of Barnard Construction Company, Inc. and all that it has grown into. Long ago, Barnard developed the philosophy underlying his companies. His focus has been to continually reinvest in the company, operate without debt, and build a workforce of bright, hard-working people who enjoy opportunities to grow and face challenges. Today, nearly one-third of our salaried personnel have been at the company for at least 10 years; many much longer. And there's more in store. Look inside for a window into our current work.

Barnard Facts

Over the last 35 years, we have:

- Worked in 17 states.
- Developed expertise in dams, tunnels, marine work, oil & gas pipelines, water and wastewater, and environmental work.
- Ranked #1 in Dams and Reservoirs (most recently in 2009).
- Earned four national Partnering awards.
- Attracted some of the most talented, hard-working people in the industry.

Inside

goal Zero

In Safety, Zero is Our Goal

And our oil and gas company made it last year with **0 Lost-Time Accidents!**

Barnard Pipeline's 2009 projects reached this milestone after BPI and its crews logged 615,814 work hours.

Their work in remote, mountainous terrain and through challenging weather often included crews of up to 300 at a time.

We greatly appreciate our employees' diligence in protecting themselves and their co-workers!

Smooth Sailing with Wanapum Dam Stop Log Placement

A view from the crane basket at Wanapum Dam shows dive barges with crews installing and bolting upstream stop logs on the left and downstream stop logs on the right.

Barnard, along with design support from Schnabel Engineering, Knight Construction, and Associated Underwater Services, has installed and grouted all 585 upstream and downstream stop logs at the **Wanapum Dam** in central Washington. Precast by Design, our stop log manufacturer, recently completed building all of the stop logs. On this project for the Public Utility District No. 2 of Grant County, the stop logs will allow us to dewater the dam's 15 future unit bays so that mass and structural concrete can be placed for dam stabilization. To date, Barnard has dewatered six of the 15 future unit bays with minimal leakage. Given the tight in-water work window on the Columbia River, the success to date speaks to the precision and detail with which the work is being completed.

Lake Mead Nears Completion after Isolation Gate Installation

In early January, the complex, 70,000-lb., 14-foot by 16-foot steel isolation gate lowered 380 feet down a new shaft and sealed into place smoothly, marking a significant milestone in Barnard's **Lake Mead Intake No. 2 Project** for the Southern Nevada Water Authority. In addition, our Team completed the "tie in" of the new tunnel to SNWA's existing tunnels. We have now removed the cap from the lake intake, have re-watered all underground tunnels, and are completing marine modifications with dive crews. The isolation gate was critical as it holds back the head pressures of Lake Mead, allowing other crews to work in the dry to complete Intake No. 3. Essentially, this project will allow SNWA to treat higher quality water from lower depths in Lake Mead, their primary water source created years ago by the Hoover Dam. This all had to be accomplished during the tight schedule of a six-week plant shutdown. Supplier Steel-Fab, Inc. designed and fabricated the isolation gate and its components. Associated Underwater Services, Inc. is providing the project's diving services.

The isolation gate slides down the recently constructed shaft at the Lake Mead Project.

The First Fish Is Through!

The recently completed Round Butte Dam fish screening and transfer facility sits atop a 270-foot-tall structure that helps redirect currents in central Oregon's Lake Billy Chinook.

On Dec. 2nd, 2009, a bold juvenile Chinook salmon followed a newly redirected current in Lake Billy Chinook, Oregon, only to be greeted by fisheries specialists' cheers and back-slapping. The complex **Round Butte Selective Water Withdrawal Structure** (SWW) was up and running. With the salmon's swim into one of two enormous collection bays, Barnard Construction marked substantial completion of this innovative Design-Assist project that we began with Portland General Electric and CH2M Hill in 2006. PGE co-owns the Round Butte Dam near Madras with the Confederated Tribes of the Warm Springs. To re-license the dam's hydropower operations, PGE needed to restore several species to the Deschutes River below the dam. The 270-foot-tall SWW had to be constructed to redirect currents caused by the dam that had stymied fish transfer for decades. Working with Dix Corp., Associated Underwater Services, Inc., and Thompson Metal Fabrication, Barnard managed the attachment of a first installation to an existing intake on the lake's bottom 270 feet below the water's surface, the placement of a complex fish transfer facility at the surface (pictured), and the assembly and placement of 238-ton, 40-foot-diameter conduit that linked the two.

Barnard Proudly Welcomes New Employees

Thomas Bode

Thomas Bode, Project Manager
University of Nebraska – Omaha
B.S., Construction Engineering Technology
Thomas joins our Renewable Energy Group.

Tyler Erickson

Tyler Erickson, Project Engineer
North Dakota State University
B.S., Construction Management
A former Barnard intern, Tyler joins our Estimating Team at the Home Office.

Andrew Bartell

Andrew Bartell, Project Engineer
Missouri University of Science and Technology
B.S., Mining Engineering
Andrew joins our Estimating Team at the Home Office.

Brett Swymeler

Brett Swymeler, Project Engineer
North Dakota State University
B.S., Construction Management
Also a former Barnard intern, Brett joins the Estimating Team at the Home Office.

Crews Assemble Complex Cofferdam

At our **Foundation Preparatory Work Project** for the San Diego County Water Authority, this specialty cofferdam is being assembled on the upstream face of the **San Vicente Dam**. The cofferdam will allow for dam penetration work. When completed, the 111-foot-tall cofferdam will allow us to tunnel through the existing dam for a new outlet works.

Update on the "Next Generation"

Baby girl born to **Brian** and **Julie Krohmer**. **Kayla Leah** was born on Oct. 31, 2009, weighing 6 lbs. 8 oz.

Baby girl born to **Tim** and **Lea Warden**. **Evelyn Rose** was born on Dec. 23, 2009, weighing nearly 9 lbs.

Baby boy born to **Aaron** and **Keely Rietveld**. **Noah Daniel** was born on Jan. 14, 2010, weighing 7 lbs. 9 oz.

Barnard Construction Company, Inc.

P.O. Box 99
Bozeman, MT 59771

406-586-1995
406-586-3530 (fax)
www.barnard-inc.com

ON SITE
The official newsletter of Barnard Construction Company, Inc.

AFFILIATED COMPANIES INCLUDE:
Barnard Construction Company, Inc.
Barnard of Canada, Inc.
Barcon, Inc.
Barnard Environmental, Inc.
Barnard of Nevada, Inc.
Barnard Pipeline, Inc.