

Water for Kivalina

by Robert Merculief

The 14" inches of rain that fell over Northwest Alaska in August was cause for concern for Red Dog and surrounding communities. The Wulik River which flows to the coast nearby the village of Kivalina had overflowed its banks with water. This process damaged the sole source infrastructure for the community's drinking water.

Kivalina needed help. Red Dog mine, being Kivalina's closest neighbor, was approached by local governments requesting Red Dog's help to supply drinking water to the residents of Kivalina. In an effort to supply clean drinking water, Red Dog employees began to brainstorm how to distribute clean drinking water.

The first idea was to have the residents come to the Red Dog port site in 4-wheelers and haul water back to Kivalina. Given the price of gas at about \$9.00 a gallon and the 17 miles to the port it didn't seem like a practical option at the time.

Larry Hanna, Mine General Foreman came up with the idea to put a tank in the landing craft spill response boat and haul water directly to Kivalina. On September 2, Red Dog began hauling drinking water at 500 gallons a run. Travel time to Kivalina was half an hour to Kivalina, forty-five minutes to unload the water and forty-five minutes back. Red Dog port crew Chuck Hingsbergen, Jimmy Larkin, Dennis Hunnicutt, Leela Swan, Alvin Morris, Matt Shelton, and Joey Walton helped with the delivery project.



Kivalina residents were happy to receive the clean drinking water from Red Dog.

The first trip was met by a dozen people with everything and anything they could haul water back to their homes. The people of Kivalina were extremely grateful and greeted Teck employees with smiles and open hands.

We continued hauling as sea conditions allowed and the need was there. All in all, we hauled water for 4 days for a total of 4500 gallons of drinking water. Kivalina's water system is back on line now and the need to haul water is not there but the people of Kivalina are thankful. "Once again, thank you and the people at the Red Dog port for the deliveries. It was a trying time for the community," said Austin Swan, Sr. of Kivalina.

Message from the General Manager

by Henri Letient

Congratulations to Mike Bonneau who has moved on to Teck corporate as General Manager, Operating Excellence. This is good for Red Dog in that in his new role, we maintain access to Mike's great insight for continuous improvement towards Operating Excellence!

With Mike's departure, I have now taken on the role of General Manager at Red Dog. Though I have met many of you, I would like to share a bit of my background. I grew up in a coal mining town in Belgium and moved to Canada at the age of 18 to attend university. I am married and have three boys, ages 15, 19 and 22.

I am a geological engineer and started my career in exploration in British Columbia, Canada. I thought that was the best job one could ever have, to be paid to hike through some of the most beautiful landscapes. After our first child was born, I worked for an engineering consulting firm thinking I'd have an "office" job and be home every night while doing routine design analyses work. That lasted about

a year! Once it became apparent that I had a knack for field work and construction supervision, I was sent to the most remote sites possible and loved it! I worked as a consultant on a variety of mining projects from site remediation and clean-up, to construction of new mines. I gained exposure to different aspects of mining and many cultures, with extended stays in places like Greece (with mine workings dating back to Alexander the Great, some 2,500 years ago) and in the heart of Africa, in the Zambian Copper Belt.



In June 2002, I joined a Teck affiliate, Compania Minera Antamina, in Peru. I started as Environmental Superintendent and ended as Manager, Tailings and Water and was responsible for one of the most complex tailings and water management systems in mining. Five years at Antamina was a tremendous learning experience for me in various aspects of a large mining operation. My family and I also had a wonderful time experiencing the Peruvian culture and learning all about the deep roots of the pre-Hispanic Peruvian natives. It was an eye-opener for us.

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A Rewarding Experience

by Mike Bonneau



Mike's wife, Cathy joined him for a visit and for his farewell gathering at Red Dog.

I want to thank everyone for your support over the last 3 ½ years at Red Dog. The operation was extremely rewarding to run.

It was an exciting learning experience for me from the time I came on board in February of 2009. I gained an understanding of the deep rooted connection of the Inupiat people to the land and how the Operation needs to be very sensitive of this relationship. The things that we do that impact the land must be carefully considered and clearly communicated to the people of the region.

I've learned of the importance of personal relationships at all levels within the communities of the northwest arctic. Our annual village visits to all eleven villages were always enjoyable, and fun!

I came onboard at a challenging time during the permit uncertainty and was impressed and motivated by the positive way the operation, the people of the region, the state and many other stakeholders pulled together during tough times.

I've seen the positive impact that Red Dog has had in the region in schools, in employment, and in training and skills development. Royalty payments and business opportunities at the operation are significant to the growth of NANA Corporation.

Our safety journey at Red Dog increased awareness at all levels with the introduction of Courageous Safety Leadership, Visual Felt Leadership, Job Safety Assessment, SafeStart and more. The work is ongoing in safety; however, I believe we have made Red Dog a safer place to work.

I was also very encouraged to see the drop in employee retention turnover. Within three years, we dropped from 22% to less than 14%. Many factors have contributed to this result such as communications, improved hiring practices, wellness initiatives, and clear objectives for the operation.

Our business improvement processes and operating excellence initiatives have helped to change the culture of how our Red Dog operation conducts business.

It's difficult to capture all of my thoughts regarding my time at Red Dog. There are so many good memories of the positive way that the community of Red Dog and the people work and socialize together in the unique setting and remote site in the arctic hills.

I will miss the Red Dog family, but I will be occasionally visiting the site and I look forward to catching up then. I believe that we have made significant progress in making the operation a safer and more enjoyable place to work.

All the best and look me up when you visit Vancouver.

"Quyaana"

Thank you from your Red Dog family

"Mike Bonneau is the best General Manager we've had so far and I've been here for over 20 years."

"Mike is approachable and easy to talk to."

- Best safety performance record that Red Dog has ever seen
- Improved partnership relationship between operator and land owner
- Best at setting property objectives, communicating and achieving them
- Employee turnover for the property to the lowest it has ever been
- Recognition of employees years of service to a personal level which includes a formal dinner celebration and a token gift of appreciation
- Initiated a "No-smoking" policy in work areas, equipment and living facilities across the property; set an example of health and wellness

Inupiat do not have a word for "goodbye". We'll be seeing you around, Mike!"

5th Generation Miner

Fifth generation miner, Cody Johnson works as a Core Technician on Red Dog's Exploration team. Cody's Mom, Verna Westlake is Red Dog's Community Relations Coordinator. Her late father, Theodore Westlake, Jr. was a miner at Bornite (copper) in the upper Kobuk Valley. Teddy Westlake, Sr., was born in 1878 at Calumet, Michigan, (at the time, the largest copper mining district in the United States), to copper miner Lawrence Westlake.



Lawrence moved his family from Michigan (copper) to Springfield, Illinois (coal), then on to Helena, Montana (copper) chasing the jobs west in mining during the late 1800's and early 1900's.

Teddy, Sr. and his brother Alex hitch-hiked to Seattle looking for work. The brothers heard about the Alaska gold strike in Nome (circa 1897-98). Having difficulty finding jobs in Seattle, they decided to head to Alaska. Realizing there was enough money for only one of them to travel on the boat from Seattle, they flipped a coin. Teddy won.

In the late teens of 1900, Teddy arrived in the Kobuk Valley. He met and married Jenny Atoruk, they had three sons, Calvin, Theodore and Larry (Lawrence). The young brothers began their mining careers with their Dad in the family mining business.

In 1964, while building the elementary school in their hometown of Kiana, Theodore, Jr. and Larry went to work as heavy equipment operators at Bornite.

Continued from page 1

Message from the General Manager

I spent the past five years at Teck's corporate office in Vancouver working on advancing several of Teck's development projects. Most recently, I was Project Director for the Galore Creek Copper-Gold Project in northern British Columbia.

As General Manager at Red Dog, my focus will be on continuous improvement of operations in a safe manner, making sure everyone goes home safe and healthy every day, long-term development plans, securing a future for Red Dog beyond the current mine life, and engagement with our stakeholders.

I am thrilled and I appreciate the opportunity to work in the northwest arctic. I look forward to visiting our local communities, making new acquaintances and learning about the Inupiat as well as the many diverse cultures of Alaska.

Sewing for Others

Red Dog's recreation committee recently purchased two new sewing machines for the hobby room. Over the years, many quilts have been made by Alice, Ellen Bax, Parolee Ballot and others. The majority of the quilts are made specifically for fundraising at Red Dog for an employee in a time of need by Linda Brown. All of the materials for the handcrafted quilts are also donated by Linda.



Alice Weber, an avid seamstress and quilt maker in Red Dog's sewing room.

Congratulations, Red Dog!



David Parker, VP Sustainability, Teck Resources, accepts the 2012 Robert O. Anderson Sustainable Arctic Award on behalf of Red Dog Operations in August.

Red Dog received the 2012 Robert O. Anderson Sustainable Arctic Award presented by the Institute of the North. The award recognizes Teck and NANA's partnership of long-time achievements in sustainable development with respect for the environment, benefits to communities and peoples of the north.

A Huge "Thanks" to the Red Dog Family

by Kate Koch with Tim Trueblood, Anchorage International Rotary



L to R: Jerry Tibor, VP, Network Users Group Alaska; Tim Ellis, President, Anchorage International Rotary Club; Tim Trueblood, Anchorage International Rotary; and Marcus Wilson, Principal, North Star Elementary School.



New computer for a North Star family: Auntie and beaming student

Ever wonder what happens to your computer after Information Services (IS) department replaces it with a shiny new one?

Recycling! Computers do have a life after Red Dog! Thanks to Tim Trueblood of Anchorage International Rotary our computers went to families at North Star Elementary School as part of its Parents University.

North Star Elementary School is one of the most diverse elementary schools in the Anchorage District. Principal, Marcus Wilson, states, "The school teaches children whose 37 native languages bring special challenges to the creative, talented faculty. North Star Elementary, with all its diversity, includes many newcomers of young families who are just getting an economic foothold in this community. These families often do not have the financial means to provide tools, such as computers, to access the cyber community."

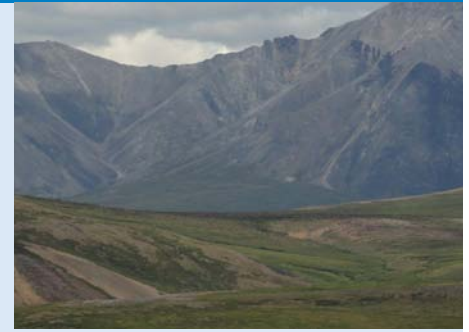
North Star understands its students need to utilize Internet resources in their learning quest and recognizes that family is essential to motivating the student even though parents may have limited computer literacy.

Rotary's project with North Star was launched in 2009. Each year about 39 families receive no-cost, recycled computer systems as their own personal system. Three training sessions provide families with resources they otherwise cannot afford.

The recycling program also supports other Alaskan schools and nonprofit organizations. Over a year, Anchorage International Rotary and its partner Network Users Group Alaska has built and delivered between 75 and 100 computers. This year thanks to the support of Teck and the IS team, 50 of those computers are ours!

Caribou Thousands in Saddleback

Alaska Fish and Game estimated over 300,000 caribou crossed the port road on July 9. Red Dog's caribou policy calls for road closure until the caribou are well beyond either side of the road.



Update on Taleo

Update on Taleo – NANA's applicant tracking system available to Red Dog Recruiting.

Since going live on June 1, 2012, recruiters at Red Dog have posted:

- 24 different jobs
- 423 applicants have applied
- 181 shareholder applicants
- 13 jobs were filled

Breakdown of applicants per location:

- NANA Region – 102
- Urban Area (Anchorage 94 & Fairbanks 11)
- Lower 48 – 155

Advantages of using Taleo:

- Applicants receive automated notifications of job openings at Red Dog
- Applicants can choose to receive automated data feeds on Red Dog jobs
- Applicants have stored profiles in the system avoiding re-entering the same information to apply for multiple positions
- Applicants are informed of their status through automated emails
- Prescreened questions ensure candidates meet the minimum qualifications for jobs
- Ease for hiring managers to review shareholder applicant information
- Managers can more easily match talent to the right job
- Hiring managers can share information on candidates more easily
- Improved communication between Recruiting and candidates

Kangiq-si-kuti-luta avatmun - Understanding Through Sharing

Red Dog employees joined the Community Relations team to share knowledge and information about their work at Red Dog and also learned about our villages in the region.

Red Dog began its annual village visits in late August and September with the Kobuk Valley villages of Ambler, Shungnak, Kobuk, Kiana and Noorvik. Visits to the remaining villages of Buckland, Deering, Selawik, Kivalina, Noatak and Kotzebue will continue into the 4th quarter.



Mike Harvie and David Lambert with Kiana youth.



Henri Letlent with Donna Commack showing beautiful mukluks made by her mother Lorena Commack in Shungnak.



Mike Harvie, Lucas Jaster and Todd Smith standing by to serve dinner in Kiana.



Chuck Barger, John Martinesko and Matt Line with Kobuk residents.



Ambler residents and the Red Dog team visiting over the community dinner following the business discussion.



Todd Smith with Noorvik residents.



John Martinesko with Kobuk students.

Red Dog Visit Lottery Winners



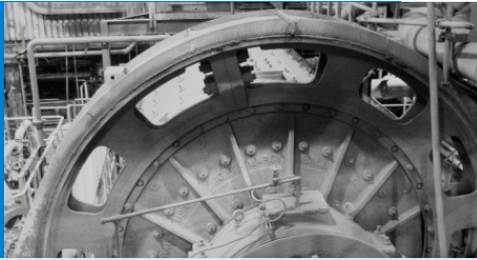
Lydia Douglas of Ambler wins the Red Dog visit lottery at Red Dog's annual operations update.

New to Red Dog's annual village visits is an opportunity for community members to win a trip to the mine site. A drawing is held at the end of each gathering for the lucky winner!

VILLAGE	WINNER
Kobuk	Murphy Custer
Shungnak	Michael Ticket
Ambler	Lydia Douglas
Kiana	Ida Stoney
Noorvik	Gene Sampson

Not Another Failed Liner Bolt!

by David William
Reliability Leader



Red Dog is our zinc and lead mine located in Northern Alaska, where 570,000 tonnes of zinc and 84,000 tonnes of lead is produced annually. A key contributor to this production is the Ball Mill #3, where part of the final grinding stage takes place before mineral separation can begin, and its operation is critical if the mill is to achieve feed rates greater than 400 tonnes per hour. Frequently in the past, a liner bolt has failed, resulting in slurry leaking out the bolt hole. These leaks must be stopped quickly to prevent hygiene issues and a huge mess. This requires the mill to be shut down. Fixing the leak is awkward, dirty work with a potential for injury due to the heavy liners that must be handled. In the late summer of 2010, Mike Maner, Maintenance Supervisor at Red Dog Mine, finally ran out of patience with the liner bolts.

ISSUE

The mill is a 1959 vintage rod mill. It was converted to a ball mill with a custom designed liner package that requires the use of fabricated T-bolts and bridge bolts. The T-bolt and bridge bolt frequently fail at the weld, releasing the liner and allowing slurry to reach the shell and leak out of the bolt hole. When this happens, a team of millwrights must break their schedule to enter a hot, wet, muddy and dark confined space in a hurry to pull out and replace, by hand, the heavy liners. While this repair is underway, Operations is forced to reduce production.

Various installation procedures and improvement file notes have been generated over the years to try to remedy this failure mode. However, none had been successful before the frustrating day Mike and his crew had that summer while working inside the mill. He brought the problem to the attention of mill mechanical engineer, Randy Lewallen. Randy, who had recently begun focusing on Reliability and developing a bad actor list, was eager to work with Mike to resolve this issue.

SOLUTION

When Randy reviewed the liner history, he found that, while the design dated from when the mill was constructed 23 years ago, detailed tracking of the issue only started in 2008. Since 2008, leaking liner bolts on Ball Mill #3 had cost \$300,000 a year in lost production opportunity and \$16,500 in labor a year. These incidents had put men inside the mill 7-10 times a year. This review also showed that these bolts performed significantly worse than the bolts on the six other mills at Red Dog. Combined, this information qualified the mill liner bolts as 'Bad Actors'. The liner bolt issues were presented to engineers at Metso Minerals, who were asked to see if a design could be developed that would abandon the use of T-bolts and bridge bolts in favor of ASME bolts with fixing washers.

Metso engineers were able to update the liners to incorporate a design similar to the other mills. The liners were also split into four sections rather than three, reducing the weight of the individual liners. The mounting holes on the feed and discharge ends required some design ingenuity. The old design was a V-shaped lifter that extended radially from the center. The new design is an offset V that extends tangentially off the mill center. This allowed the installation to use standard ASME bolts.

BENEFIT

This mill is currently relined every 48 months so installing and testing a new package is a significant commitment. The newly designed liner package cost \$12,000 more than the original package, an increase of 20%. However, the potential safety and financial benefits were enough to persuade the mill operations group to support the test.

The new package of liners was installed in July of 2011. When it arrived, some minor adjustments to the liner package were required, but these changes have been captured and will be forwarded to Metso to include in future orders.

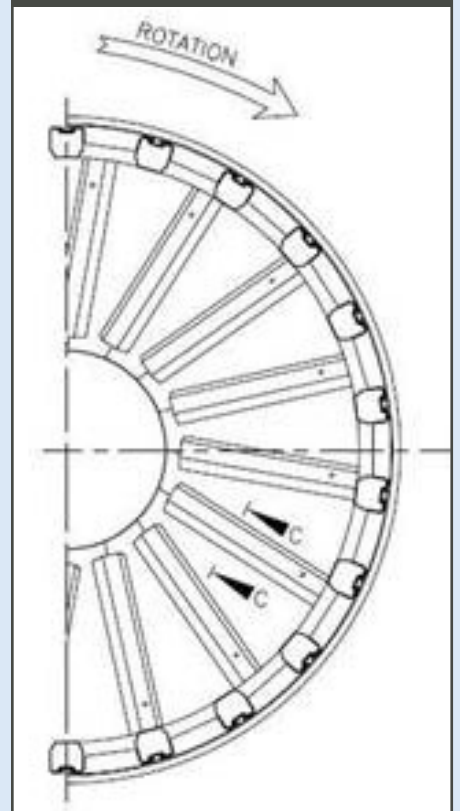
Previously published in Teck's Operations Excellence Newsletter on July 31, 2012

After 12 months, there have not been any incidents of downtime associated to leaking liner bolts. With the old liners, there would likely have been 8-9 events by this time, costing another \$300,000 in lost production. These liners have paid for themselves already, and they're not done yet. Congratulations to Mike Maner and his crew, as well as Randy Lewallen on a job well done.

ISSUE



SOLUTION



Treated Water Pipeline Study

In 2008, Teck settled a Clean Water Act citizen's lawsuit with six individuals from Kivalina who were concerned about water discharge from the Red Dog Mine. Mineralized water is collected from the mine site and the mill treats it and discharges it into Red Dog Creek. In the settlement, Teck agreed, in good faith, to begin a feasibility study of building and operating a pipeline to carry treated wastewater directly to the Chukchi Sea.

At the time the Settlement Agreement was signed, the proposed pipeline was an idea that Teck's engineers had preliminarily evaluated and thought could work. Once the Agreement was approved by the Court, Teck began the work to determine how the pipeline could be built. The original plan was to bury the pipeline in the road bed. However, the data engineers, land surveyors, and geologists collected presented a different picture than the initial proposed plans. It has become clear that the initial assumptions regarding the construction and operation of the pipeline are not valid.

Results of the preliminary studies have demonstrated a water pipeline could not be buried due to the freeze/thaw cycle and ground movement. Teck is now looking at the possibility of an above ground pipeline. However, an above ground pipeline presents other risks and challenges. Teck is continuing to evaluate issues and challenges associated with building a pipeline above ground along the road corridor. This work is focused on:

- **Location:** How far away from the road does the pipeline need to be to be out harm's way if a truck was to go off the road? How would a pipeline be accessed if it was built a safe distance from the road? Would a new road need to be built to support the above ground pipeline?

- **Design:** Can an above-ground pipeline be built that does not affect caribou migrations? If so how and what would it look like? Would additional generators be needed for freeze protection? Where would the generators be located, along the road, or at the port, or at the mine? What would the support structures be made of and look like? How high would the pipeline need to be?
- **Construction Methods:** How would an above-ground pipeline be built? In the winter or summer? Using ice roads or new gravel roads?
- **Operation:** Would water flow in the pipeline all year long or only seasonally? How would the pipeline be protected from freezing?
- **And costs of building the pipeline above ground.**

Treated water discharge from the mine into Red Dog Creek has improved the overall quality of the water in the creek from its natural, pre-mining state. Prior to mining, the creek had high, naturally-occurring metals and did not support fish. The Alaska Department of Fish and Game has expressed concern over deteriorating water quality, fish, and habitat in Red Dog Creek if treated water was no longer added. An outstanding question is whether diversion of treated water to a pipeline would cause the creek to change back to its prior, naturally-contaminated condition, thereby affecting the fish and habitat.

To date, Teck has spent approximately \$1.7 million dollars on preliminary work to determine the feasibility of the pipeline. We anticipate completing the above ground pipeline evaluation in the winter 2012.

State Fair

Winner of the drawing for the zinc coated, steel rim is RJ Roy of Kodiak. RJ is 12 years old and in the 7th grade at Kodiak Middle School. He is a performer at the state fair with the Kodiak Drummers. RJ said the teen center in Kodiak does not have a hoop and he is donating it to the center.

Thank you to our Red Dog representatives, Liisia Morris, Jim Duchanin, Sandi Black, Freddie Hinz, Steve Rhodes, Sheila King, Ken Ahrens, Wayne Hall, and Henri Letient



Henri Letient, General Manager, Steve Rhodes, Reliability-General Foreman, Freddie Hinz, Senior Facilitating Operating Tech



Liisia Morris, Assay Lab and Verna Westlake, Community Relations

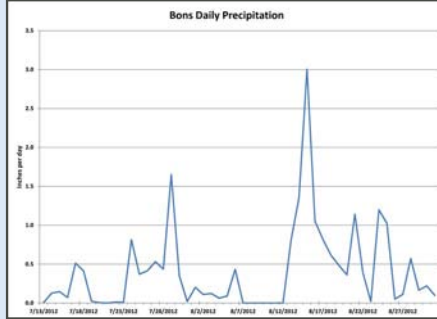


Ken Ahrens, Mill General Foreman and Sheila King, Controller

A Storm of 10 Centuries

by Jeff Clark

You may have noticed it rained a lot in the 3rd quarter. August historically is our rainiest month each year, however, August and July of 2012 was a record setter!



Our rainy season began on July 17th with 0.5 inches of rain and it was followed 12 more days of over 0.5 inches by the end of August. The biggest storm was just over 3 inches on August 15th. The National Oceanic and Atmospheric Agency (NOAA) consider a daily rain event over 3 inches in our area to be a 1,000 year event. In addition to the 24 hour record we also reached 1,000 year levels for all the time periods between 1 day and 45 days!

As a result of flooding, there was minimal damage at the Mine and Port sites. Our roads became rough which slowed the transport of concentrate to the Port. Numerous regional and chartered jet flights were canceled during the storms which disrupted the R&R plans of many employees.

Weather data is collected at several places at Red Dog for different purposes. The Environmental Department operates the Bons weather station across the road from the Airport to collect weather data for our Mine discharge permit and our Title V air permit. We also operate a weather tower east of the living quarters where wind information is collected.

At the Port site, the Environmental Department also operates a weather station for the Port discharge permit and the Port Title V air permit. At the Port weather and sea observations are also made for shipping purposes by the Port Administrators.

Our Travel Coordinators collect weather information for aviation purposes. Their observations are what Alaska Airlines uses to make the call on whether the charter flies or doesn't fly.

In addition to the sites operated by Red Dog, NOAA operates a weather station next to our Bons station. NOAA uses the data from its station to improve weather forecasting in Alaska. You can access the NOAA station on the internet at: Red Dog NOAA Weather

Employees can access the Bons site information from the Rover page on the company Intranet.

Eat, Sleep, Ship!

by Robert Mercurieff



Waves crashing into the P10 gallery (covered conveyor belt) during the storm on August 25, 2012 at the port site.

The 2012 concentrate shipping season started out late due to sea ice conditions at the port. The sea ice lingered with a 30 mile wide and 60 miles long band of large chunky ice flows. No ships, lightering barges or tugs could make it through the ice field. Red Dog mine was at the mercy of Mother Nature.

The Foss lightering barges were scheduled to be at the port before the end of June with the first ship scheduled for July 1st. The lingering sea ice caused the shipping season to start July 12th with the first ship leaving with concentrate two days later. The concentrate load out season started with 4 ships waiting to be loaded with more on the way.

By August 1, we had 5 ships loaded or 50 barges, a normal July for shipping is 7 to 9 ships completed. Then came August! The fall-like storms of August 2012 were 100 year weather events. The wind the rain and the sea conditions caused us to have 455 hours of down time due to weather and allowed for only 60 barges loaded.

Normally we would have completed up to 18 ships by September 1 and we had only loaded 10. On September 2, there were 7 ships waiting to be loaded. We needed the weather to improve and it did. By September 20th we loaded just under 390,000 tonnes for a grand total of 7 ships completed in this time frame. We caught up.

The year-to-date statistics are 279 hours delayed due to ice, 1017 hours delayed due to weather, 12 hours delayed due to mechanical, 221 barge loads and 1,184,452 tonnes of zinc and Lead concentrate.



Eat, Sleep, Ship!!! Good Job!

Red Dog Regatta!

by Harvey Klatt

Inclement weather grounded the helicopter and geology mappers who were stuck at the construction camp for several days in mid-August. A large puddle of water formed near the camp. Someone in the group came up with the idea of a boat race. Word of the competition soon spread throughout the camp and others began building their wind-powered vessels.

Seventeen boats participated in a grueling winner-take-all race in stormy conditions with winds gusting to 24 knots and waves up to half an inch. Despite several capsized vessels and collisions, all participants returned safely to land.

1st place

Jamie Kraft (Teck Resources Limited) sailing the "Fog Ducker"

2nd place

Mark Neuroth (Alaska Earth Sciences) sailing the "PROJ:AQQ"

3rd place

Lily McCord and Michael Paul (NMS) sailing the "Black Rhino"

Winners received a Reese's piece of chocolate candy.



Jamie Kraft proudly sporting his 1st place ribbon and sailing vessel.

L to R Standing:

Richard Brown, Yukuskokon Pad Builder
Adam Brown, Connors Driller
Andrew Shannon, Teck Resources Limited
Christine Sumner, Teck American Inc.
Lily McCord, NMS
Jasper Gleason, Connors Foreman (far back)
Alex De Moor, Alaska Earth Geologist
Jamie Kraft, Teck Resources Limited
Jim Stemler, Teck Resources Limited
Jay Sin, Connors Drilling Helper
Merilie Reynolds, Teck American Inc.
Josh Ratti, Connors Driller Helper/Expeditor

L to R Kneeling:

Jennifer Haywood, Teck American Inc.
Rebekah Tsigonis, Teck American Inc.
Kacie Wellington, Alaska Earth Sciences
Cirisse Stephen, Teck Resources Limited
Mark Neuroth, Alaska Earth Sciences

How Much Rain Did We Get?

by Chris Eckert

When we get hit by a large rain or snow storm or a cold snap, the calls to the Environmental Department start coming in with employees wanting to know how many inches of rain has fallen, how long has it been below -40F degrees, etc. The following information and sources below will help you in obtaining weather related information.

But to answer the question at hand, the daily rain fall from July 1 to August 17 is 13.91 inches, which is subject to change once all the data is reviewed.

The **FAA weather Cams at the Red Dog airport** provide a picture of the current weather (available on the web):
<http://avcams.faa.gov/viewsite.php?bookmark=72PBZ9BM>

The NOAA weather station near the airport provides temperature and precipitation information and you can generate monthly reports to see how much rain we got or how cold it has been. This station updates the NOAA web server hourly so the information is always at least an hour behind (available on the web):
www.ncdc.noaa.gov/crn/station.htm?stationId=1754

The Bons weather screen provides information for the current conditions at the Mine (available on the Teck intranet only):
<http://rover/weather/screen.png>

The Port weather screen provides information for the current conditions at the Port (available on the Teck intranet only):
<http://rdp-enviro/portwea.gif>

"NASCAR Pit Stops" at Red Dog

by Tim Jones



Members of the drill RTA – Tim Jones, Ntam Baharanyi, Herbert Cleveland, Dave Anderson, Darrell Sawyer, Tim Hartry, Sidney Cleveland, Kudralook Rood



Members of the pump RTA – Larry Stone, Brent McClung, Greg Thompson, Edward Chung, Robert Hingsbergen, Willie Gallahorn, Ntam Baharanyi

Rapid Turn Arounds, known as "RTA's", are becoming more common here at Red Dog. The Heavy Equipment preventative maintenance (PM) crew requested a PM for a drill and Mill Maintenance a pump PM. Both are frequent tasks which make them good candidates for an RTA.

New participants to the process were initially reluctant when they started the RTA. When informed he would be taking part in the drill RTA, Tim Hartry, Heavy Equipment Planner, said he wasn't sure it would be worthwhile. Darrell Sawyer, Mine Ops Drill Operator with over 30 years experience initially questioned why he was included, but quickly became a key member by adding expert information and insight from his operational perspective.

The teams analyzed NASCAR pit stops to learn concepts like the separation of external from internal work. Internal work can only be performed while the drill or pump (race car) is stopped in the PM bay or the pump taken off-line (pit) while external work can be done while the "car is racing". The teams identified and built more effective processes for their PM work. The pump RTA team utilized new tools like a truck wagon and magnetic tool holder to stage their tools and to eliminate trips back & forth to the tool crib.

Hartry commented "I wasn't much of a believer in this RTA scenario until I actually did it– I am now a believer in that this type of exercise is truly beneficial for the department and the business sense of doing things a better way". Greg Thompson, Mill Mechanic, also added "It would be great to get a lot of these newer guys involved in one".

2012 Red Dog Olympic Games – July 12-31

Congratulations to the 2012 Team Champions, Smooth Operators – Mill Ops! The Smooth Operators have the honor of the Team trophy and bragging rights for one year. There were 257 participants. Events included basketball, volleyball, 5k run/walk, cribbage, table tennis, bar games (pool, darts, air hockey), horseshoes, Bocce, badminton, floor hockey, golf challenge, softball and a variety of Inupiaq games.

Russell Brandon, Heavy Equipment Shop Supervisor, won the draw for two Alaska Airline round trip tickets as a participant of the 2012 Red Dog Olympics. The tickets are good anywhere Alaska Airlines travels, including Mexico or Hawaii.



Russell Brandon

1st **Gold** - Mill Ops-Smooth Operators
(146 points and 82 participants)

2nd **Silver** - Admin-Krunch Bunch
(107.5 points and 48 participants)

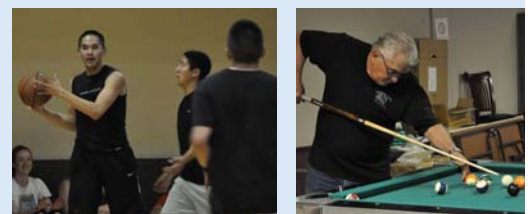
3rd **Bronze** - Mine-Bomb Squad
(89.5 points and 52 participants)

4th Contractors-Soup-A-Stars
(69.5 points and 44 participants)

5th Maintenance-Miracle Workers
(41 points and 31 participants)

Gold, Silver and Bronze medals were awarded in each event and a \$20 cash prizes for 1st place. All participants had one entry in a draw for 2 Alaska Airlines tickets.

Thanks to everyone who participated and volunteered! Great job!



Robert Jackson, Journeyman Millwright

by Mike Skeeters



Robert Jackson came to Red Dog in May of 2007 with the Alaska Technical Center (ATC) graduating Millwright class from Kotzebue. He hoped

his commitment to the program at ATC would help him find work at Red Dog. He was hired in the Warehouse for summer help when he first arrived. He moved to Mill Maintenance at an entry level position and in May of 2008 entered the Millwright Apprenticeship program.

Five years later he completed the Department of Labor approved Millwright Apprenticeship in the Mill Maintenance Department.

What does it take to complete an apprenticeship here at Red Dog? It takes dedication. Robert completed the class in a little over four years. He accumulated 9416 hours of on the job training and 929 hours of classroom training for a total of 10,345 hours. He had four Level tests to pass and one final.

Robert spent one month of his time cross-training in the Powerhouse and Electrical Departments. His final project was to locate and determine the condition of the spare mill pinions on site at Red Dog. He determined that there were five spare pinions in varying states of wear. Being aware of how many pinions we have and what shape they are in helps determine where we need to concentrate our efforts on pinion replacement. Robert, along with help from others, cleaned, preserved, and stored two of the pinions. He also built three storage crates as part of this project.

Recently Robert attended the "Train the Trainer" class for Confined Space and Fall Protection. He is now certified to train others in these areas.

Continued on top of next column

Through Robert's dedication and persistence, he has attained the Journeyman Millwright Level in our organization. When you see him, congratulate him on his achievement.

Welcome, Sheila King

by Kaylee Reich



Sheila King is Red Dog's new Operations Controller. Sheila graduated from University of Texas at Dallas

with a degree in Science & Business Administration with an emphasis in accounting. She has worked in oil and gas, and public accounting in Dallas, Anchorage, Juneau, and in Spokane, WA.

As a supervisor, Sheila encourages team efforts and development opportunities for employees to achieve their professional goals. As Controller for Teck, she wants to use her years of professional experience to be a positive influence operationally and contribute to the "can do" attitude at Red Dog.

Sheila and her husband Kelly have five children between the ages of 11 and 25. She enjoys movie nights and board games with her family at home as well as hiking, skiing, fishing and other outdoor activities.

As content as Sheila is, she looks forward to working actively in retirement in the future as an advocate for abused women and working with foster children. Sheila credits her Grandmother who influenced her outlook and spirituality by example living a life of service cheerfully and contributing to her community. She attributes her career in finance to her Mom who said she would always be able to get a job in accounting. "And she was right, I've never gone hungry," Sheila expressed.

Marlene McNeal



As Human Resources (HR) Coordinator, Marlene's primary responsibilities includes administration of pay and benefit

programs for employees in medical, dental, disability insurance, sickness and accident, pension and retirement savings plans. Her role includes one-on-one employee counseling as well as communication with plan carriers. She oversees the HR Administrative Assistants and Mine and Mill Clerks.

Marlene has a personable disposition suitable to establishing and maintaining positive working relations with all company personnel. We are excited to have her as part of the HR team.

Happy Retirement, Diana!



Diana Nelson retired on June 13 after a 20-year career at Red Dog. Diana started on April 3, 1992 as a Materials Management Clerk I and advanced to a Buyer position in January 7, 1999.

Happy Retirement, Diana!

Online Application

Teck's Red Dog process for application for employment went online May 30, 2012 at www.reddogalaska.com.

Red Dog is also taking advantage of NANA's Taleo applicant-tracking system which went live on June 1, 2012 at www.nana.com. This is a NANA based recruiting and on-boarding system available to Teck HR Personnel at Red Dog to have direct access to the NANA shareholder candidate pool.

Red Dog Operations will no longer be accepting paper applications. Please apply online.

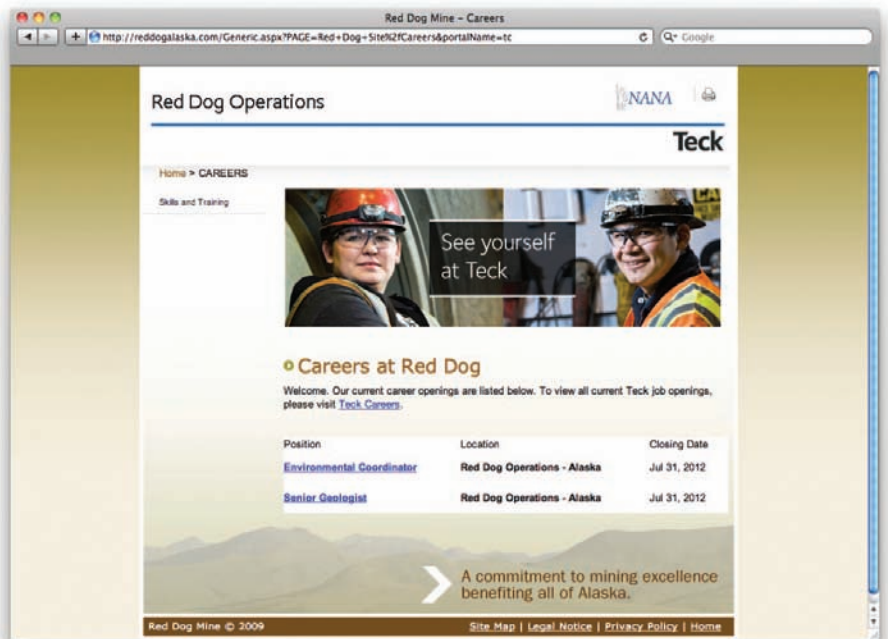
FAQ's

Q: Do I need to apply for a position on both sites?

A: No, you only need to apply on one site.

Q: Can I apply for more than one position?

A: Yes, you can apply for as many positions that you are qualified for.



To view career opportunities at Red Dog Operations, please visit and click careers.

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To submit topic ideas or an article about your work, a coworker spotlight, a special project or life at Red Dog, contact Verna Westlake, Managing Editor, x4189 verna.westlake@teck.com or communityrelationsRDOG@teck.com

Suvisi (Sü-vi-see) in the Iñupiaq language means,
"What are the many people doing?"