



ТШО ЖАҢАЛЫҚТАРЫ

«Тенгизшевройл» жауапкершілігі шектеулі серіктестігінің басылымы
Информационная газета ТОО «Тенгизшевройл»
Tengizchevroil Newsletter

НОВОСТИ ТШО

№ 11 (209) 2014

TCO NEWS

TENGIZCHEVROIL Rated Second Largest Investor in Kazakhstan's National Economy



The sixth economic forum, Expert-200 Kazakhstan, was held in Astana on November 14, 2014. Organized by international rating group RAEX, the forum's main objective was – Reforming state government system: delegating authority from center to regions and further to business. During the forum, an award ceremony was held to recognize the top investors in the national economy based on RAEX's annual rating of companies in Kazakhstan. RAEX General Director Adil Mamazhanov presented the awards to the winners.

During his opening remarks, Mamazhanov stated, "we have been selecting among the businesses which are the leaders in respective sectors and make significant contribution to quality development and growth of national economy." According to the RAEX ratings, Tengizchevroil (TCO) ranked second, behind JSC Samruk-Kazyna National Wellbeing Foundation, on the list of Kazakhstan's largest companies. TCO also received the prestigious "Significant Contribution in the Growth of National Economy" award for its major

accomplishments in base business and as recognition for commencing early phase preparation and work for the Future Growth Project and Wellhead Pressure Mgmt Project. The projects' aim to increase production from the Tengiz oilfield is key to further successful growth of the petroleum industry and critical for stimulating the progress of the national economy of the Republic of Kazakhstan. Receiving the award on behalf of Tengizchevroil was General Manager of TCO Policy, Government and Public Affairs Rzabek Artygaliyev.

By Meruert Sukhankulova.

In this issue:



330-ton Cargo Safely Transported through Atyrau

Page 3



Optimism of cooperation

Page 4



Constructive discussion

Page 5



Breast Cancer Awareness

Page 7



Clean win

Page 8



20,000,000!

On November 18, 2014 our TCO and Contractor workforce achieved 20 million hours worked without Days Away From Work (DAFW) incident. My congratulations on this milestone! This is an excellent achievement which demonstrates our workforce collaborative efforts to maintain personnel safety and incident-free operation. I believe we can finish the year safely. We need to ensure that we stay vigilant and that we continue to share our lessons learned from past incidents to prevent reoccurrence of incidents while performing our work activities. Remember to plan your work thoroughly and analyzing the hazards relevant to your work, «Every task, the right way, every time».

Tim Miller,
General Director.

Supply Chain Event and Conference in Manchester

On November 25-26, Tengizchevroil (TCO) Management participated at the annual Energy Industries Council Oil and Gas Conference in Manchester, UK. The event was organized in

conjunction with UK Trade and Investment (UKTI). TCO Future Growth Project Supply Chain Manager Andy Lucena and TCO Domestic Market Development Coordinator Daniel Zholdybaev

presented global opportunities and procurement policies to suppliers as well as Kazakhstani Content achievements and commitments. Attendees of the exhibition hall theatre session demonstrated high

interest in TCO's information on Kazakhstani Content. International companies were also invited to come to Kazakhstan and boost joint ventures establishment. Lucena and Zholdybaev held individual

meetings with international companies willing to work in Kazakhstan with TCO. Suppliers shared their experiences with local content plan development requirements, technology transfer plans, legacy creation, and training.

TCO representatives also visited Manchester University's William Hare facility (Structural Engineering) with representatives from KPO, Uralsk Akimat, UMBK, NADLoC, KazService, UKTI, Kazakhstan Embassy in UK, and other Kazakhstani companies.

TCO Receives Facilities Engineering Excellence Award

Tengizchevroil's Facility Engineering (FE) Department received the first ever Facilities Engineering Excellence Award given out by Chevron Corporation during the October 2014 Facilities Engineering Conference. This award was presented to the group that demonstrated an ability to significantly progress through the implementation of Chevron's FE framework, which was established to align consistency enterprise-wide and provide expectations and priorities for FE teams. "This is a highly prestigious, difficult to achieve and honorable award," wrote TCO Operations General Manager Ted Etchison in an email to TCO FE employees. "You are helping set the global standard in this sphere." Chevron selected the award recipient based on three criteria:

progression of FE Framework; attention and support of personal and process safety; and business results. TCO FE Manager Kevin Kassner and several TCO FE team members were in attendance at the conference and received the award on behalf of TCO.

This journey began in 2012 when TCO held a self-assessment of its FE function to identify leading and lagging indicators, and developed a shaping plan to align with the enterprise framework. As a result of that shaping plan, TCO made significant improvements in its FE function to close gaps and build upon its successes. TCO's FE framework is built upon Operational Excellence. The framework consists of 8 elements and has 24 focus areas. Elements such as leadership, people development, and

information management enable TCO to continuously improve efficiencies, develop employees and get results while operating at the highest safety standards. Leadership identified the need to bring back the strong technical skills to the FE function. In doing so they identified the criticality of developing its employees. Through implementation of the Horizons Program – an advanced competency development program aimed to provide early career employees with skills training and on-the-job experience over 5 years – the TCO FE function is solidifying its efforts to ensure the right people have the skills and tools needed to optimize production and promote the integrity and reliability of its facilities. There are currently 165 facility engineers participating in the

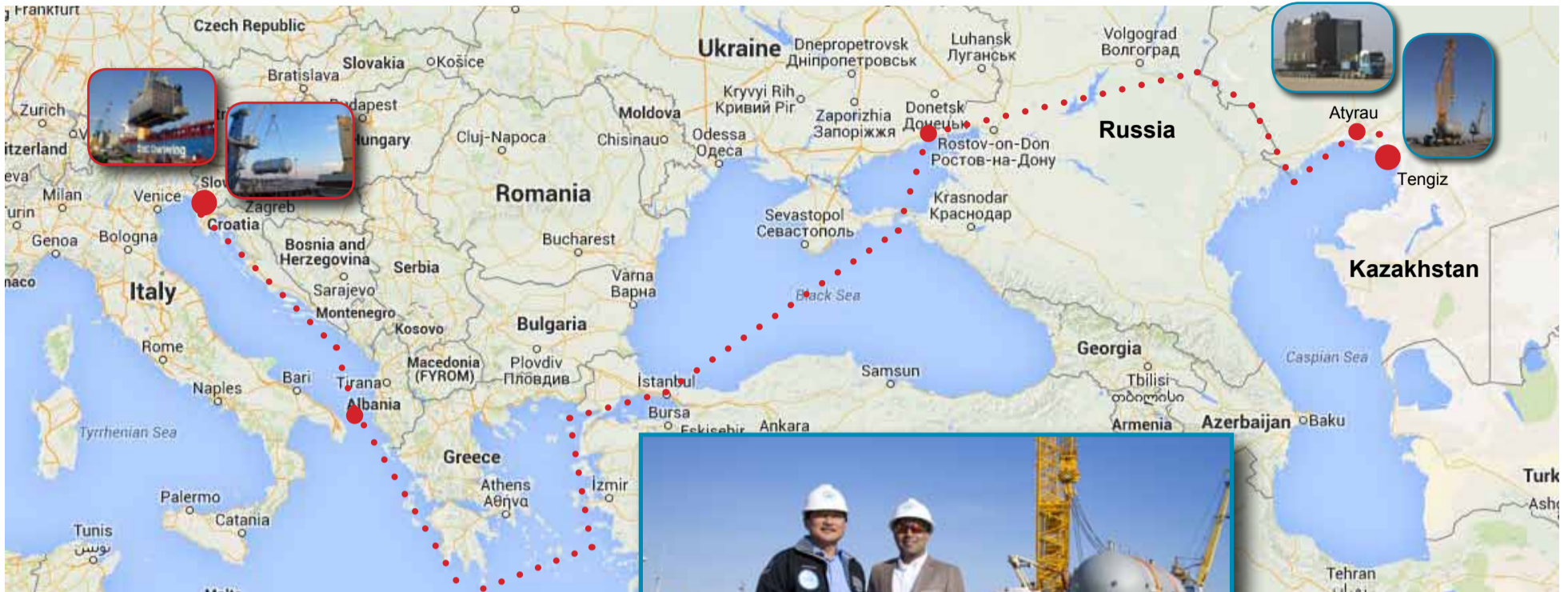
program. Developing and maintaining asset information; and designing, construction and decommissioning facilities are a couple of delivery elements that enable the FE function to drive and support business results. The FE function is a key component that enables TCO's operations to work safely and efficiently. Preparing locations, designing roads, hooking up wells and flowing lines into plants are just a few tasks that facilities engineers complete to support day-to-day operations. Facility engineers also support turnarounds – a 1.5-2 year procedure that shuts down parts of a processing unit for inspection, maintenance and facility upgrades. The TCO FE group's ability to support the business, and ensure the safety of its operations and employees



while managing TCO's complex assets, has propelled the group to become a leader. "This award recognizes the hard work and dedication by the TCO FE Leadership and our FE Team Members over a number of years to progress and support facility engineering framework, personal safety and process safety and business results," stated Kassner. **Hakim Johnson, PGPA Specialist.**



330-ton Cargo Safely Transported through Atyrau



Recently, Atyrau residents witnessed an extraordinary event – a massive steel cube being hauled through the city streets. The 330-ton steam boiler - made for the Second Generation Expansion Capability and Reliability (SGE CAR) Project in Tengiz - exceeded 10 meters in both height and width, and was a stunning and rare sighting in Atyrau. Some might remember a similar event when the United Nations announced 1979 as the Year of the Child. The Ministry of Civil Aviation of Former Soviet Union presented the City of Guryev (former name of Atyrau) with a written off IL-18 plane that made its last flight to Guryev Airport, its final destination. The unique gift was permanently parked in a local square for use in a totally new capacity – a cinema theater for the young. Perhaps a number of city long-livers can remember that day when the large aircraft, with wings nearly 40 meters wide, was towed along the highway to the local exhibition area. The silver IL-18 moved using its own chassis and traveled by the route bypassing the main streets...the massive 330-ton steam boiler was trucked straight through the city's main roads.

“Transportation of the HP Steam Boiler Block and its associated equipment has been a complex sequence of work that transports the boiler equipment from Macchi’s workshop in Milan, Italy, to its foundation in SGP in Tengiz,” commented Donn Matsumura, manager of HP Steam Installation Project. “In terms of logistics, a tremendous amount of work has been done addressing quite a few critical issues, including, for example, consideration to the annual closure of the Russian South Canal System (from November through March) due to the canal freezing over. To accomplish this extremely complex operation, if not unique, it took quite an effort coordinating with heavy lift ship and barge companies for transport and trans-shipment, with local transportation and utility authorities for reconstruction of multiple bypasses, re-routing electrical cables/communication lines, and temporary removal of city utility overhead piping. We utilized multiple local contractors to reconstruct and upgrade the transportation route from Atyrau to Tengiz. “Sea shipment into Aktau Port, combined with rail transport to Tengiz, was the original plan.



Donn Matsumura, manager of HP Steam Installation Project (on the left)
Kamal Rautela, Deputy Project Procurement Manager, Tengizchevroil (on the right)

After detailed discussions and planning, it was determined that this transportation method was not optimal. A preliminary study of sea shipment into Atyrau Port with land transport through Atyrau and onto Tengiz was completed. It was determined that this was the best transportation solution for the project’s equipment. Although both alternatives had its challenges, bringing in the equipment into Atyrau Port minimized the risks to TCO and the project. This also resulted in significant transportation cost savings to TCO and SGE CAR Project. “SGE CAR Project placed the purchase order with Macchi, renowned specialist in boiler engineering and fabrication, for the High Pressure Steam Boiler Package. FH Bertling, TCO’s Logistics Service provider,

managed the sea and land logistics (transportation) for the project. Sarens has been sub-contracted by FH Bertling to plan, coordinate, reconstruct the bypasses, and offload and transport the equipment from Atyrau Port to TCO-Tengiz. “Then the time came when the steam boiler package, after covering hundreds of miles across the Mediterranean, Black and Azov Seas, passing through the Russian South Canal System, finally emerged from Volga and into the Caspian Sea. The package was received into the Atyrau Port and readied for land transport. “The package was lifted onto a pair of heavy haul trailers and towed by a tractor. Despite the giant weight of the equipment, its weight was within the roadbed’s design capacity and hence, did

no damage to the city roads of Atyrau. The cargo safely began its trek through the city streets of Atyrau, with 460 kilometers of highway and newly constructed bypasses to pass, before it reached its final destination in Tengiz.” “This is clearly an out-of-the-ordinary view to us,” shared an Atyrau resident, one of many who abandoned their regular Sunday household duties to view the huge cargo traveling through the city. “In the meantime, we may be pleased to know the economic potential of our region continues to grow as our petroleum industry brings on more state-of-the-art technologies. As far as occasional interruptions in the road traffic, those are really insignificant inconveniences and bearable to the drivers. After all, those in a hurry can use a bypass or alternate route.” The steam boiler completed its journey across Atyrau safely and without incident on its way to Tengiz; with just a few hundred miles left. The HP Steam Boiler Package has a crude oil production capacity of 250 tonnes per hour and will be installed as part of the Capacity and Reliability scope of work in the SGE project. This reliability enhancement will help to meet

the crude production capacity target of 41,800 tonnes per day. Through successful implementation of its steam boiler transportation project, TCO’s logistics process continues to ensure the safety of all people and communities involved while protecting TCO’s assets. The effort, diligence, and communication of TCO, Bertling, and Sarens teams have been the key to success. This project also serves as an invaluable experience because there is still much work and ambitious targets ahead toward the completion of FGP.

Feature by Aibar Khamiev.



Optimism of Cooperation

Future Growth Project successfully introduced at oil exhibition in Aktau



The ninth Mangystau Regional Oil, Gas & Infrastructure Exhibition began November 11 in Aktau.

Tengizchevroil (TCO) made its first appearance at the three day event, introducing its latest innovative expansion project – Future Growth Project (FGP), implemented in parallel with the Wellhead Pressure Management Project (WPMP).

Broad cooperation with local enterprises in Mangystau Oblast has been in FGP implementation plans from the beginning, including using the Aktau port for transporting oversized cargo and awarding work-orders to local manufacturers. For Mangystau businesses, playing a role in a mega project like FGP is both an opportunity to generate a considerable profit and a matter of prestige. This was evident during the November exhibition, where TCO's booth remained the focus of visitors' interest through the last minutes of the three day event.

"This is a rewarding accomplishment that the Future Growth Project has successfully used this opportunity to unfold its every unique feature before the local community," shared Alan Wilson, senior specialist with FGP modular fabrication group based in Aktau. Through taking advantage of the booth's strong magnetism and availability of design information, specialists from FGP Public Affairs, Local Content Development and Procurement teams effectively introduced the project, in detail, to representatives of regional and international businesses and the local public. The unique features of the project and its magnitude promise to have a strong positive effect on the development of local industry and economy. Visitors demonstrated their sincere admiration of the project after learning about its tremendous scope and challenges. They particularly appreciated the modular execution strategy and the involvement of Mangystau fabrication facilities. High-ranking officials of the Mangystau



administration showed intense interest in the project and its potential advantages for local businesses and community. Mangystau Oblast Deputy Akim Suindyk Aldashev led a delegation of government members to TCO's booth where they shared positive and constructive feedback and information to Wilson and the FGP representatives. Atyrau and Mangystau regions continue to be important leaders in the development of

Kazakhstan's petroleum industry development. "TCO has been actively participating in international petroleum exhibitions in Astana, Almaty and Atyrau," explained Azhar Kalysheva, manager of TCO Kazakhstan Content Development Group. TCO usually has specialists visit the Aktau Exhibition, without a booth, but this new experience of participating as an exhibitor proved extremely valuable. "We saw genuine interest to

TCO in Mangystau," continued Kalysheva. "Honestly, I primarily appreciated the attention of the residents. Look how busy our representatives are working with the visitors. This popularity and recognition is also an important result of our mission here. As far as business contacts with local companies, the exhibit was attended by 55 companies from Kazakhstan and Russia, including joint ventures. We have registered exactly the same number of business contacts.

Some promising proposals will be reviewed and analyzed thoroughly." As a finishing touch, TCO's booth was recognized as the best; winning an exquisite trophy for the high quality presentations and contemporary design of the booth. The unquestioned optimism of unanimous appraisal of the strong value of future cooperation was the chief result of our earnest effort at the event.

By Georgy Trukhin.



Constructive Discussion

On October 24, Tengizchevroil (TCO) participated in a public hearing that specifically addressed the Environmental Impact Assessment (EIA) for the Future Growth Project (FGP). The regional administration of natural resources and regulation of environmental management organized the event held at the Renaissance Hotel in Atyrau. More than 140 people representing local government agencies, NGOs, media and student networks gathered into the large conference hall for the hearing. Also in attendance were members of the Zhylyoi region community - where TCO's current facilities and anticipated expansion project are located. Deputy Akim of the Atyrau Oblast Gumar Duisembayev and TCO General Director Tim Miller gave informative remarks and offered greetings to the respected audience. The event was chaired by Sh. Izteleuova, director of Zhayik-Caspian Aarhus Center. A comprehensive overview of TCO activities and the future major capacity expansion was presented to the attendees. The chief contributors at the hearings were Rzabek Artygaliyev, general manager of TCO Policy, Government and Public Affairs, reporting on Overview of TCO's operations; Askhat Baidaliyev, FGP infrastructure investment manager, with Overview of Future Growth Project; K. Baikulov, deputy director of Caspian Engineering & Research, reporting on FGP design plans and specifications; and Sergei Pleskach, chief specialist of KazEcoProject, who explained the Environmental Impact Assessment for FGP. The presentations were followed by lively discussions with community members in the audience, which highlighted the intense interest residents of Atyrau City and Atyrau Region have in environmental safety and the development of the local economy - particularly in the growth of the petroleum industry which provides the basis for this



land's prosperity. Among active participants of the discussion were some well-known leaders of environmental NGOs, researchers and journalists who extended the subject of discussion to raise concerns of job opportunities for local labor and technicians in connection with FGP and the potential to increase Kazakhstani content. Environmental leaders were critical of TCO's operations and its impact to the regional environment, and contested the data from the EIA report. These participants suggested crude oil production in the region should be cut dramatically. Constructive attitude and positive

opinions were also shared from members of the community. For example, Zhaksylyk Koshekbayev, a retiree speaking on behalf of a group of Zhylyoi region residents, pointed out significant improvements in social infrastructure and standard of living in the community - particularly in public health and education - which is the direct result of TCO's social responsibility. In connection with the new expansion, residents of Zhylyoi anticipate more jobs for future graduates of Kulsary petroleum industry vocational school, another TCO social investment in the local community. At the request of the

administration of natural resources and regulation of environmental management Meiram Amrin, Ph.D., assistant professor for department of general hygiene and ecology at Asfendiyarov Kazakh National Medical University, noted that all characteristics of morbidity in the Atyrau Oblast are within the established norm, according to the bio-statistics available, and no significant excessive or fatal illnesses were detected. As plans for FGP WPMP progress, TCO General Director Tim Miller is proud of the company's environmental record, careful studies conducted to ensure projects are done in an environmentally responsible

manner and the local and national benefits - such as jobs, training and Kazakhstani goods and services - FGP WPMP will generate. In his closing remarks Miller thanked the attendees for their active engagement and constructive attitude. "TCO does appreciate your feedback and your input. Today's public hearing produced a lot of ideas and issues that we've noted and will address as appropriate. You have my commitment that TCO will continue to inform you, to consult with you, and receive your feedback on FGP WPMP and all of our ongoing operations and matters that involve Tengizchevroil."

By G. Trukhin.

Kulsary Akim's Letter of Appreciation



Akim of Kulsary Shakir Keikin sent a letter of appreciation to Kanat Ulkhanov, manager of TCO Special Projects, recognizing TCO's contribution to the development of the Zhylyoi region. Below is the text of the letter.

Dear **Kanat Maksutovich**,

Contributing to the development and prosperity of the native land is our common duty. Thanks to the joint effort of local residents and companies, the City of Kulsary gradually becomes a beautiful place to live and work.

All members of the local community are united by a common objective – to help our wonderful town prosper and develop further, as is only appropriate for the seat of the region known as the heart of petroleum upstream. TCO and your department have been actively involved in our common cause, making a tremendous contribution to its success.

On the eve of the Day of Kulsary I am happy to offer heartfelt greetings to you on behalf of my countrymen and speak of appreciation of the valuable effort you and your team have been making. Wishing you the best of health, happiness to your family and further success in business!

Respectfully,

**Akim of Kulsary,
Shakir Keikin.**

BBS Program in action

BBS Sponsored Creative Writing Contest

Late October saw the finale of yet another competition organized by the Behavior Base Safety (BBS) team of Tengizchevroil (TCO). The "Best Story on Home Safety" contest inspired our people to write great stories of significant educational value. By initiating the contest, the BBS team pursued promoting safety culture and personal experience sharing which can often serve as good lessons for colleagues and enhances their focus on safety both at work and home. Those willing to take part in the contest were requested to submit a self-written story based on real life experiences exploiting the subject of What Difference Operational Safety and Behavior-Based Safety Have Made in Our Lives at Home. Employees based in Atyrau competed in the skill of writing, demonstrating the best of their creativity. An unbiased jury made of members of the BBS Leadership Committee thoroughly reviewed each entry, so their final vote placed the following winners on top of the chart:

Saltanat Beisenbayeva, Capital Projects
Albina Imasheva, HR and Ruslan
Zhumagaliyev, Reservoir Management

Their stories have been published by TCO Newsletter and the winners were awarded with letters of appreciation and gift certificates.

Saltanat Beisenbayeva of Rotational Village Project, author of the fire detector story and renowned leader in behavior-based safety, ranked among the top 3 stories. Beisenbayeva commented, "Why I decided to take part in the contest? Just wanted to share my own experience and tell how a simple tool, often scorned by us as if of low practical value, has saved our household from fire and also helped us avoid severe injuries and traumas. This small example once again proved safety rules are not only about work, but also need to be observed at home."

The contest has brought to light quite a few talents with obvious creative skills. We are also pleased to know each participant believes strongly the chief drivers of creative work should be found in daily care



Saltanat Beisenbayeva

of friends and colleagues, and the duty to raise their awareness of potential risks. I would like to thank all of the authors that participated in this contest. You have presented to us a valuable part of your private life, so we feel it is important to share your stories with our families and friends. Many thanks to all and see you again at future events!

**By Gaukhar Tansarova,
member of BBS Leadership
Committee, Atyrau**

THE FIRE DETECTOR THAT SAVED US

A good friend of mine, who lives abroad, brought me a small present – a fire detector. After receiving the present, I thought and doubted whether I would use it, but instead I smiled and said, "Thank you very much for the nice present!" My friend was an Incident Injury Free goose-

stepper that certainly called for deep respect. He meticulously explained how and where to install the detector. I listened attentively, even though I was convinced the detector would not be used at home.

So, the detector was installed on the wall drawer. Time passed and I forgot about the existence of the detector in our kitchen. Once on my day off I decided to cook a beshbarmak, put meat into the pan, added salt and pepper and left the meat to cook on the stove at least for two hours. To kill time, my daughter and I decided to watch movie on the computer. We intently watched the movie, completely forgetting about the pan with meat in it, when suddenly we heard a shrill sound. It took some time to understand what it was. What was that sound? The sound swelled, we tried to find out where it was coming from when all of sudden my daughter shouted, "Mother, the pot holder is burning!" The pot holder was on the gas stove, burning.

Only then, I realized that it was the sound of fire detector alarming us about threat of fire. We quickly threw the pot holder into the water, opened the window and aired the room. As soon as the fresh air came into room, the sound of the detector became softer and finally stopped.

I remembered my American friend and was endlessly thankful for his priceless present that saved our life and our apartment from fire. My friend gifted me a priceless present that should be in every house! I thought with horror: "What might have happened if I hadn't had a fire detector at home?"

This story was a lesson learned for me and my family. Always be careful when you cook in the kitchen. Don't put towels or pot holders near open fire or a stove. And always have a fire detector in your apartments, preferably in every room.

**Saltanat Beisenbayeva,
RVU Project.**

The case which changed my attitude toward driving

I love cars. I just loved speeding with the music playing loudly inside the car. But most importantly – it was speepeed! A July 2009 incident in the Karachaganak Field drastically changed my attitude toward car safety. At the time, I was working for a different company as a procurement specialist.

That July morning I did not know what awaited me, what terrible scene I would witness, or that I would see one young guy acting as a true hero.

I was about to take a ride into the city, with a driver and my boss, in a pickup truck to deliver materials. Before leaving, a production

department worker requested me to take him to the city bank in a downtown location where he was going for private business. I agreed to help, and we all got into the truck and drove away. The distance between the city and the project area was approximately 35 km. The speed limit was 70 km/h. There was another company pickup truck on the road ahead of us with a driver only – no additional passengers.

When we reached the halfway point, I saw a terrible image. A Volkswagen Passat sedan crashed head-on into the pickup truck ahead of us at a high speed.



Those seconds lasted so long, it seemed as if life had stopped for a moment like it was just a dream; unfortunately, this was not a dream, but a grim reality of life. We stopped, and I ran to the pickup driver who had gotten out of the truck and sat alone at the roadside with his hand pressed against his heart. I visually checked that everything was OK. Incidentally, I paid attention to the fact that he was still alive because of the seat

belt - which was half torn due to the impact and the body weight of the driver. I was standing about 7-8 meters away from the badly damaged car and noticed the driver of the car lying on the ground dead. Just as everyone else, I was afraid to approach the car and see if there was anyone else inside. Other cars pulled over, people called for an ambulance, the police, etc., but no one dared to approach the damaged car to check for other potential victims – except the young man traveling with us. He ran to the sedan, bypassing the dead driver, and began forcing the back door open - which was stuck due to a nasty blow. After successfully opening the rear door, the young man got inside the car and spoke in a low voice, urging someone to release their grip and let go. We could not see what was happening inside until the young man came out of the car holding a baby in his arms. The young man pressed the child to his chest and ran to us. We quickly drove to the

city hospital, where the medical staff was on standby after being alerted by phone. The baby clung to the young man until the doctors took the child to the surgery room. The three of us waited outside for 20 minutes until the young man returned from the intensive care unit.

Although the child survived, we learned that the sedan had four additional passengers inside – none of them survived the accident. I was very impressed by the brave behavior of this young man. The company expressed its gratitude and rewarded him. The child's mother also thanked the young man for his heroic deed.

Perhaps, this incident drastically changed my attitude toward car safety. I now drive within the speed limit and always buckle my seat belt, because it affects the lives and health of my family, friends and passengers and my own life!

**Nurlan Issenaliyev,
Maintenance & Construction
BBS SC employee**

Abreast with Highest International Standards

Professionalism, high reliability research and use of innovative technologies are the fundamental principles of TCO Clinic lab's operations. Our medical staff is trained and certified in clinical lab diagnostics and have the necessary experience to operate the diagnosing devices.

The lab equipment allows for the full scope of preliminary and periodical medical examinations to be conducted, including special symptom-based tests ordered by the doctor.

The diagnostics lab uses the latest generation of automatic analyzers, which means typical human errors and inaccuracies due to manual lab procedures are ruled out. All units and related chemical agents are properly certified and brand names licensed in Kazakhstan, as appropriate.

The A-25 biochemistry analyzer of Spanish make is a highly effective apparatus used for biochemical testing, with a throughput up to 150 samples per hour. When necessary, we also have two REFLOTRON in vitro diagnostics devices capable of testing 17 parameters and PICCOLA point of care chemistry analyzer designed for on-site CO2 testing for severe intoxication cases.

The above devices can do all the essential tests to evaluate functions of cardiovascular system, liver and kidneys, and analyze hydrocarbon, lipids and protein metabolism. The Sysmex-2000i and Sysmex-

1000i hematology testing systems are devices providing improved efficiency and quality testing of 24 parameters of blood, including complete blood count, properties of red blood cells, differential parameters and using more diagnostics criteria to determine physical fitness of employee.

Given Tengiz license area is a zone of potential hazard posed by upstream process, we necessarily determine blood group and Rh factor with all employees, using DiaClon ABO/Rh method which is a costly and unique, high accuracy test. For serology and immunochemistry we use the MiniVidas automated immunoassay device with ready-to-use reagent strip system which proves effective tool in evaluating the function of thyroid and prostate glands. Early diagnosing of problems with these organs is critical for ensuring sound health of employees. As part of special testing and normal annual medical for medical staff, the personnel of TCO Clinic is tested twice per year for viral hepatitis markers and subject to evaluation of postvaccinal immunity to viral hepatitis B. These tests are also done with the help of high precision MiniVidas system.

As you know, starting from July 28 and through August 28, TCO Clinic held a charitable action in support of the World Hepatitis Day, offering free of charge hepatitis B and C testing to all willing to be tested. As a result, the total of 137 people were tested.



Our company is particularly proud of the special comprehensive program addressing woman's operational safety and reproductive health achieved above all through early diagnosing of gynaecology disorders in women. Our lab specialists are trained in cytologic screening and identification of oncomarkers, so TCO female employees enjoy an excellent opportunity to timely receive all answers to their questions while on rotation in Tengiz.

As part of the cardiovascular health program of TCO's we implemented a testing procedure to determine lipoproteins, specifically, LDL lipoproteins. The troponin, myoglobin and d-dimer testing

available at our lab are effective for diagnosing of myocardial infarction. Recently, we also introduced the new type of testing - brain natriuretic peptide or proBNP for diagnosing cardiovascular insufficiency. The reliable and fault-free operation of all instruments is ensured through the system of continuous internal and external control of quality. The internal control routine involves all analyzers and is done on a daily and weekly basis. We have technicians on staff of TCO Clinic to attend to technical inspection, observations and fine-tuning of all equipment. Speaking of the outside, our equipment is subject to inspections by engineers and technicians of our contractor - a local company

known as specialist in quality metrology services, maintenance and certification.

Besides, our lab actively participates in the PREVECAL external quality evaluation system of BioSystems Company presently involving 3500 participants representing 31 countries. TCO Clinic Laboratory has a good stock of reagents, disposables and single-use items, disinfectants and individual protection equipment.

Taking advantage of this article in TCO newsletter, we would like to thank the management of the clinic and TCO management team for providing an opportunity for us to use state-of-the-art medical equipment extremely helpful in early diagnosing and effective treatment of diseases, allowing for providing quality medical services and annual medical to employees and members of their families. Without a doubt, this is a win-win situation for both the employees and the staff of TCO Medical Department. The up-to-date equipment ensures safety of medical staff in charge and minimized the risk of occasional contamination through contact with samples.

Courtesy of the strong commitment of TCO management to caring of employees operational safety, the team of TCO medical professionals is perfectly heeled to meet all challenges, protecting the health of TCO workforce.

By Nurzhamal Dyusengaliyeva,
attendant of TCO Clinic Laboratory

Breast Cancer Awareness

The Atyrau Chapter of the Women's Network proudly hosted Tengizchevroil's first annual Breast Cancer Awareness Event (BCAE) for employees during the global Breast Cancer Awareness Month of October.

The BCAE team of Nancy Grossman, Aigul Irmagambetova, Zhanar Temesheva, Anara Kaliyeva, Ainur Tabyldiyeva, Gulnara Aitzhanova, Albina Imasheva, and Dr. Mark Davis coordinated the October 31 event. The team sought out and met with local medical professionals, developed the programming and invited local medical teams to participate. Albina Imasheva was the master of ceremonies.

The BCAE team worked with local medical professionals to increase TCO employee awareness of the services provided by local medical clinics.

Informative presentations were given by Mark Davis, M.D. (Intertech Medical), Gynecologist Shamurat Galamat (Atyrau Oblast Hospital Consultation and Diagnostic Center), Head of Atyrau Oblast Oncological Polyclinic Atuar Azamat Narimanovich, Baimenshin Nurlan Serikkalievich (Prospect Medical Caspian) and Abishev Rinat Rimovich (Zharkyn Bolashak Youth Center). The medical professionals shared helpful information about breast cancer statistics, a healthy lifestyle, early detection and treatment. They also shared helpful tips on how to perform a self exam, and when to seek medical advice.

During the Medical Safety Moment, Dr. Mark Davis summarized the following:

1. Find Symptoms - perform self examination monthly
2. Stay calm and visit a

mammologist - have a mammogram

3. A Radiologist reviews the results - most results are negative
4. If necessary, visit to mammologist- oncologist for additional treatment
5. Seek support from Employee Assistance Program - and remember Early Detection Saves Lives.

The Breast Cancer Awareness Event is one of many strategic initiatives of the Women's Network. Other business-improving activities sponsored by the Women's Network have included events such as Women in Leadership; Professional Development "Confident or Not?" and TCO Leadership Mentoring.

Nancy Grossman,
BCA Event Coordinator

International Virtual Forum in Japan

I was lucky to participate in the International Russia Study and Culture virtual forum on Socio-cultural and Philological Aspects in Educational and Scientific Context which was hosted by Sangyo University in Kyoto, Japan during the week of September 25, 2014. Kyoto City is known as the former capital of Japan. The forum was attended by specialists representing 26 countries. The total number of reports made was 144. I was pleased to be invited as a Russian language instructor for Tengizchevroil. TCO's experience in language training appears to be of strong interest to philologists abroad, far beyond the Atyrau Region and Kazakhstan. My report on the subject of Teaching Russian in Atyrau specifically addressed practical aspects of Russian training for TCO expatriates arriving from all over the world. The presentation aroused a genuine interest among my colleagues and became a subject of further active discussion.

I am very happy that Tengizchevroil has taken the lead in implementing the state program for developing trilingual specialists. TCO employees have opportunities to learn Kazakh, which is the national language, as well as Russian and English, which are both official languages of the United Nations. Language serves as the key means of communicating and storing information. It is common knowledge that a large portion of data is circulated in a community through language. We learn more about the world around us due to our active language skills and communication with other people.

The following subjects were discussed at the forum:

1. Foreign language instruction methods.
2. Innovations in philology.
3. Bilingual training: opportunities and prospects.
4. The new paradigm of pedagogical theory.
5. Transcultural aspects of instruction.
6. Use of IT for instruction.
7. New horizons of world literature.

The international forum was the result of active partnership among the sponsors, including Sangyo University of Kyoto (Japan), Middlebury College (Vermont, USA), Sangmyung University (SMU) of Cheonan (South Korea), and International Center for Interaction of Cultures (Yekaterinburg, Russia).

The forum was organized by the International Committee for Cooperation as part of the "Building the virtual educational expanse for the global community" project. The primary mission of the project is to unite Russian Studies specialists, literature and history analysts and instructors from different countries to identify priority issues in Russian Studies, linguistics and humanitarian science in general. This enhances the effectiveness of international cooperation; develops a culture of virtual communication; integrates scientific and educational potential; builds - a new effective format of exchanging experiences (the Network); and creates an innovative educational environment integrating multiple cultures.

By Saniya Kamelova,
Russian language instructor for TCO



Clean Win

Maral Koshenov, our fellow countryman and section supervisor with TCO contractor ESS Support Services, won the 2014 World Sambo Championship among Masters title in his age and weight class. The world event occurred during the week of October 24 in Khalkidhiki, Greece.

Competing in the 82 kg weight class of the men's 50-54 age division, Koshenov's first match was against a Ukrainian athlete. With five seconds remaining, and losing 0-3 before the final whistle, Koshenov pinned his opponent for a clean win. The rest of his bouts were no easy feat either. The semifinals pitted Koshenov against the world champion from Russia. In a similar manner Koshenov won the semifinal match with another last second pin, which may well be his signature move. The final match was between Koshenov and another Russian athlete, owner of the 2012 world champion title. Koshenov won the match 4-3, claiming his division's 2014 title as World Sambo Champion among Masters. Sambo is a Russian form of martial arts established during the twentieth century. Russian athletes continue to maintain

leadership in this style of martial arts. Defeating two world champions from Russia was a difficult task for Koshenov; and a result to be admired. "This was my third appearance at the world championships," shared Koshenov. "I took silver from previous events in 1993 and 1998. Now, after many years of laborious practicing and due to strong commitment to achieving the set target, I finally made it to the top of the podium. By doing this, I primarily succeeded in achieving my lifelong dream, the goal to which I have been scrambling for the long 30 years. I am short of words to describe how I felt when standing on top of the podium, listening to the national anthem of the Republic of Kazakhstan playing and watching the flag hoisted. In May of 2014 I came through the qualifiers to the first position in my weight class, winning my

voucher to the world sambo event among masters. I strongly appreciate the support of my company, which took the tab and paid the travel expenses, acting as sponsor. I made two strong commitments: first, to win the title and have the Kazakhstan flag risen; and second, to make good the hopes my colleagues pinned on me. I am happy I did it. Many believed in my victory and shared the joy. At the airport I was given a warm welcome by friends, family, officials of the Atyrau Oblast government, head of Physical Culture and Sports Department and media which was an exciting experience for me," continued Koshenov. Koshenov has been practicing combat wrestling for 34 years; practically his entire adult life. He works on a rotational schedule for ESS at Tengizchevroil, and visits the gym afterhours. For convenience, he carries all the sophisticated gear in his travel bag. Koshenov and his wife have five daughters that have grown up and have families of their own. Somehow, the children did not inherit the strong devotion to sports as their father, yet, when at school, they joined dad in the gym, practicing sambo wrestling to keep the good physical shape and develop the character. "I am also happy to know that my student, Amanbai Kyzdarbayev,



took the world champion's title last year at the event in Bulgaria," said Koshenov. "I deem this is a significant result of my effort and truly outstanding record to admire. Now we are facing yet another challenge, rigging for the 2016 World Olympics." This is a rewarding fact when

the student succeeds in copying the excellent result of his mentor. Please join us in offering congratulations to our champions, and let us look forward together to celebrating more brilliant victories in the future!

Feature by Aibar Khamiev.

Tengiz Cup 2014

Despite the onset of the cold season, employees working in Tengiz appeared red hot in time for the annual Tengiz Cup. The long-awaited annual sporting event was held the week of November 3 and included competitions in mini-football, basketball, volleyball, swimming and lawn tennis. Our amateur athletes practiced rigorously

preparing for these popular games. Mini-football had the most participation among team sports. With 36 teams participating, this spectacular event kept us captivated through the final moments of the last game when Neftestroservice defeated Umirzak to claim the title. Chemimontage finished third in

the final standings. The basketball team - General Maintenance - demonstrated excellent performance to reach the top of the podium, leaving the well-deserved silver to Umirzak. PFU took the bronze. ESS took the team title in volleyball, followed by the Emergency Response team and KazMi in second and third place,



respectively. Garapov Ruslan won this year's champion title in swimming, with Kalin Kalinyakov and Alexei Katkov taking silver and bronze. The women's tennis tournament was, indeed, nexthilarating event. The gold prize was awarded to Nurbanu Duisebekova, with Yekaterina Yusupova and Irina Stepanova winning silver and bronze. The final standings in the men's tennis event saw Timur Kurenkov on top of the podium, with Lon Miri second and Erkin Kunarov third. Please join us in congratulating our proud winners! Wishing them all further success in sports and business! Many thanks to the TCO contractors for support of the games. See you back in the arenas next year.

By Yermek Sdykov,
Social Relations
Group Manager.