

Minutes of

Tengizchevroil LLP Future Growth Project -Wellhead Pressure Management Project

Consultation Meeting

Venue: Conference hall, Renaissance Hotel, Aktau

Date & Time: October,17 2018

16:00 – 17:30

R. Artygaliev, Tengizchevroil's General Manager for Policy, Government and Public Affairs, opened the meeting, welcomed the residents and informed that informed participants that TCO continues holding annual consultation meetings with Atyrau Oblast Community. The objective of the meeting was stated, which was to give an overview on work progress within TCO FGP - WPMP and listen to the audience opinion regarding TCO and Project. He emphasised that the consultation meeting was not a public hearing. It was stated, that presentation about the Project would be introduced followed by Q&A Session, and if attendees would like to address their requests in written form, they could use special forms provided to each attendee. R. Artygaliev noted that in case of any further queries the attendees could address TCO by the contact information provided in handouts distributed to all the meeting participants.

Further, as per the agenda, Nurtas Kenganov, FGP-WPMP Regulatory Affairs Manager, delivered a presentation on TCO and FGP-WPMP activities.

R. Artygaliev then gave information about projects which are being executed and planned to be undertaken in Mangystau oblast. It was said, that Eurasia Foundation of Central Asia (EFCA) launched Zharkyra Project, aim of which is to develop social entrepreneurship and expand capabilities of residents. Residential areas covered by the project are Aktau city, Borankul Village, Bautino Village and Fort-Shevchenko Town. The project is progressing well in Atyrau Oblast. An interest-free loan is granted to participants of the project. R. Artygaliev talked about the project named Our public places, which is also implemented by Eurasia Foundation of Central Asia (EFCA). Its objective is to involve the community in improvement of public places.

After that, Q&A session took place.

M. Karazhanova (Yessenov University): Could please explain the technological process of Wellhead Pressure Management Project? What do you think about concluding an agreement between your organization and our university? Is it possible? What terms and conditions would be applied in this case? I have heard that you have agreements with educational institutions in Atyrau.

B. Amangaliyev (TCO): Today, there are two plants operating in Tengiz field. Oil from producing wells is transferred to these plants via gathering system under the pressure 70-75 bars. That's why the pressure of well should be no less than 90 bars. The major objective of Wellhead Pressure Management Project is to install a specific equipment, which allows to boost the pressure while transferring oil through gathering system to plants. It is possible to lower the wellhead pressure to around 30-40 bar through the use of this equipment, which would have a positive impact on enhancement of wells efficiency.

R. Artygaliev (TCO): FGP and WPMP are integrated projects, implemented simultaneously in order to increase oil production and maintain existing capacities. The total cost of the project is \$36,8 billion. Today, it is the biggest project in oil and gas industry around the world.

Mr. Sagingaliyev (TCO): Currently, TCO does not have any agreements with educational institutions in Atyrau. We had agreements with two institutes in 2005 and 2006. As for cooperating with universities/institutes, our specialists conduct trainings in universities with the aim of experience exchange. These initiatives are ensured not as a part of agreement, but on voluntary basis.

R. Artygaliev (TCO): TCO plans to launch a project on teaching English to children in Mangystau Oblast. Our employees (expatriate or local) who have a good command of the English language visit schools in Zhylyoi District and talk with students of 7-11th grades in English. Employees help students on voluntary basis. Now, we can see how the students improved their level of English when visiting schools. Also, British Council's project - English for Success is executed in Atyrau. It is aimed at improving quality of teaching, learning and assessing students' knowledge on English by teachers. Such projects would be also launched here, in Mangystau Oblast. At first, we need to agree our plans with the Akimat and Education Department of Oblast.

B. Amangaliyev (TCO): In fact, interactions with universities and students take place. Students from Atyrau and other cities arrive to receive on-the-job training or internship. Also, we are members of Society of Petroleum Engineers (SPE). I'd like encourage you to join this organization. Major petroleum companies are members of it. Various technologies are discussed on its platform, and it is a good source of information.

A. Kusherbayeva: As I understood, you are going to implement English Language Program for children, am I right? My son is a College student.

R. Artygaliev (TCO): Our employees organize discussions with school students in English to provide a support to teachers, but they do not teach the language. It is necessary to have a speaking practice with native speaker to develop English Language skills.

A. Kusherbayeva: Are we supposed to pay for this?

R. Artygaliev (TCO): It is free of charge; our employees voluntarily help.

K. Kulbayeva: I' am a head of social service. We also have volunteer initiatives. Our centre helps unwed mothers, disabled children, we organize a lot events devoted to providing support to them. We hope that we could cooperate with you on this work in future.

R. Artygaliev (TCO): Thank you. We are implementing a Project together with Yntymak Atyrau NGO in Atyrau. The aim of the project is enhancing a social fund of local community for steady economic development through execution of social, educational and charity events. Within the framework of the project we support low-income families at the beginning of academic years, provide help to boarding schools etc. This project was launched in 2010. We have a lot of projects implemented by our employees and members of their families acting as volunteers. Young fish rescue campaign is organized twice a year. Works on embankment cleaning are carried out. These and many other events are implemented on a voluntary basis. In July this year, we met with NGO of Mangystau Oblast, where TCO Social Investment Program in Mangystau Oblast was presented. It is planned to implement social projects together with NGO within the Program. We have received only 8 requests from NGO. We would provide you an information about approved projects and implementation progress on next meeting.

Conclusion

R. Artygaliev thanked the residents for participation and noted that consultation meetings with the community will be arranged every year until the completion of the project.

Summary of issues

Following the consultation meeting and based on the questions provided in writing below is the short list of issues and questions raised by attendees at the meeting in Aktau:

- Wellhead Pressure Management Project technology;
- Social projects;
- Sponsorship;
- Employment and training.