

## Minutes of

### Consultation Meeting on the Future Growth Project – Wellhead Pressure Management Project, Tengizchevroil LLP

**Venue:** Conference Room, Renaissance Hotel, Aktau

**Date & Time:** 13 September 2017

16:00 – 17:30

**R. Artygaliev (TCO)** told that the objective of the consultation meeting was to provide the updates on TCO FGP-WPMP work progress and hear the public opinion about TCO and the project. He noted that the meeting was not a public hearing and such meetings would be held for a period of the Project execution.

Further R. Artygaliev added that in July 2016 the Partners made a final investment decision on the FGP-WPMP Project, and it was declared by the Minister of Energy, K. Bozumbayev. The Project cost - \$36.8 bln. Then R. Artygaliev introduced Adam Adilet, Mangystau Community Liaison Officer, who was responsible for regular contacts with the local community.

It was announced that a presentation would be delivered on the Project status followed by Q&A session, and if the attendees wished to ask any questions in written, they could fill the special forms given to them. In future, in case of any questions, they could address those questions to the TCO contacts detailed in the handouts distributed among the attendees.

Then, in accordance with the agenda Aidar Dosbayev, Project Deputy Director, delivered the TCO and FGP-WPMP presentation.

With regard to the action plan of the previous meeting, R. Artygaliev noted that the responses were provided to all questions from meeting attendees.

Following the presentation, R. Artygaliev highlighted the focus areas. The successful cooperation between TCO and the RoK Ministry of Labour and Social Protection of Population resulted in the decision to make all the TCO FGP-WPMP contractors and subcontractors use ENBEK.kz, a unified web portal, to post available vacancies and select personnel. Registration on the web portal is free. All the RoK citizens would be able to access the vacancies data base. R. Artygaliev emphasized that the FGP-WPMP Project Director Mick Kraly had sent a letter to all the contracting organizations strictly recommending posting open vacancies on ENBEK.kz. Information on the web portal was also shared with the contracting companies during three forums held in 2017. The Forums involved representatives of Employment and Social Programs Departments and Akimats from 5 oblasts: Atyrau, Aktobe, West-Kazakhstan, Kyzylorda and Mangystau. Owner of the unified digital Labour

Employment Service ENBEK.kz was the Ministry of Labour and Social Protection of the Population. So far more than 4,000 FGP-WPMP vacancies were posted on the web portal, and it could be used by all Kazakhstani enterprises. Then R. Artygaliev told that by the end of the current year and early next year 4 major contracts would be awarded, and it would mean a start of major construction activities in Tengiz, requiring labour resources. Currently 20,000 nationals were working onshore on the Project. At the construction peak 20,000 jobs would be created in Kazakhstan. Considering rotational system, it meant around 30,000 - 35,000 people would be employed on the Project.

Then the Q&A Session started.

**B. Akhmetuly:** If 20,000 jobs are created, it means 40,000 people will be employed, won't they?

**R. Artygaliev (TCO):** Correct. At the construction peak 20,000 jobs will be created in Kazakhstan, and it means around 30,000 - 35,000 people will be employed.

**B. Akhmetuly:** It means that unemployed citizens of all five oblasts can be employed.

**R. Artygaliev (TCO):** ENBEK.kz web portal can be accessed not only in five oblasts, but across Kazakhstan. We are trying to share the information on the web portal with the communities. Our contractors prefer to employ Atyrau and Mangystau Oblasts residents, as it would not bring any additional costs to company such as travel expenses, accommodation, etc.

**B. Akhmetuly:** Where will a rotational camp be constructed?

**R. Artygaliev (TCO):** Orken Village is being constructed in Tengiz.

**B. Akhmetuly:** Isn't a Sanitary Protection Zone (SPZ) established in Tengiz?

**R. Artygaliev (TCO):** The SPZ border is 10 km away from the outermost well in the field. The Rotational village under construction is beyond this border.

**B. Akhmetuly:** SPZ border radius shall vary based on concentration of H<sub>2</sub>S and other components.

**R. Artygaliev (TCO):** For Tengiz, the distance of 10 km away from the outermost well is established.

**B. Akhmetuly:** It should be 50 km.

**R. Artygaliev (TCO):** The SPZ border was approved in 1988 - 89 by the USSR Ministry of Health. At that time, the distance of 7 km had been approved, but later it was recalculated, and the distance of 10 km was established.

**B. Akhmetuly:** The SPZ border shall exceed 30 km.

**R. Artygaliev (TCO):** TCO is not entitled to establish the SPZ border itself. The approved SPZ border is 10 km away from the outermost well in the field. The government agencies performed appropriate inspections. 12 environment monitoring stations are installed within the SPZ.

**A. Kalelova (TCO):** In 2014, all the equipment was replaced with more sensible one.

**R. Artygaliev (TCO):** We also have 130 water monitoring wells that perform ground water monitoring, and till now no violations have been identified. The corresponding reports are submitted to the authorized agencies. There were 3 villages near Tengiz field: Karaton, Sarykamys and Kenaral farm. The residents were resettled.

**B. Akhmetuly:** Please advise the distance of the Marine channel. How much of 71 km is covered by the Caspian Sea, and how much by land?

**A. Dosbayev (TCO):** 71 km is a length of the Marine channel on the sea.

**B. Akhmetuly:** Does it mean that you will transport modules by water?

**R. Artygaliev (TCO):** The modules will be transported from Cargo Offloading Facility (COF) to Tengiz by road.

**B. Akhmetuly:** What are the depth and width of the channel?

**R. Artygaliev (TCO):** The channel is 61 m wide and 4.8 m deep (*a slide with CaTRo information was shown*)

**B. Akhmetuly:** What is a draft?

**R. Artygaliev (TCO):** Approximately 3.8 m.

**B. Akhmetuly:** You told that module carrying vessels (MCV) were being fabricated in Vietnam.

**R. Artygaliev (TCO):** In Vietnam and Romania. It is planned to fabricate 20 MCVs in total, as of now 3 MCVs have been fabricated.

**B. Akhmetuly:** Couldn't other companies' vessels be hired?

**R. Artygaliev (TCO):** No, as the weight of the heaviest module is 1,800 t.

**B. Akhmetuly:** I have read in a newspaper, that a road will be constructed. It appears that the construction of the Channel is easier and less costly.

**R. Artygaliev (TCO):** At the beginning of the Project it was planned to use Atyrau port. As the modules have heavy weight, the infrastructure and houses, located near it, would have been impacted. A temporary road of 160 km length was planned to be constructed from Atyrau to Tengiz along the CPC pipeline. We were also informed that it could have impacted fish migration in Ural. And then an option of the terminal construction at Prorva was considered. The channel design was developed with regard to fish and seals habitat factors. The modules will be transported from ERSAl and KCOI fabrication yards to Prorva. The modules that will be transported through RIWS are

designed considering the channel specifications. These modules will be delivered to Bautino port for customs clearance and then be transported to COF at Prorva.

**F. Aliyeva:** You told that open vacancies were posted in ENBEK.kz web portal. Is it possible to obtain a list of TCO contractors in order to know where to send CVs to?

**R. Artygaliev (TCO):** You can find all the companies in ENBEK.kz. TCO has strictly recommended its contracting organizations to post open vacancies in ENBEK.kz web portal. Early this year there have been certain difficulties in this process, but now the contracting companies understand a web portal work process. As soon as a person is hired for an open vacancy, a contractor closes the vacancy in the system.

**A. Aleuov:** Does the Project include the construction of new wells, if yes, then how many? What is an execution period for this Project?

**B. Amangaliyev (TCO):** During construction of the third generation plant it is planned to drill additional 106 wells. The drilling program is up to 2025 approximately. Currently we are operating 4 drilling rigs.

**R. Artygaliev (TCO):** FGP-WPMP is planned to be launched in 2021.

**B. Akhmetuly:** I have learned about this meeting from a newspaper. Could you publish FGP-WPMP articles in non-technical language that can be understandable to people, so people can read and know about the Project?

**R. Artygaliev (TCO):** You are right, thank you for your proposal. We will consider the possibility to publish articles about FGP-WPMP in Mangystau newspapers.

**R. Artygaliev (TCO)** thanked everyone for participation and highlighted that community consultation meetings would be held annually for the period of the Project execution.

### **Summary of the issues**

Based on written questions received during the consultation meeting, a summary of issues and concerns raised by the meeting participants in Aktau is given below:

- Employment;
- Sanitary Protection Zone;
- Cargo Transportation Route.