

Vodacom Newsletter

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World Water Day 2017

On the occasion of World Water Day, Vodacom and the Municipality of Tivat organized a visit for a group of 35 students and teachers from elementary schools from Kotor and Tivat to the joint waste water treatment plant (WWTP) for Tivat and Kotor, located in the settlement Djurasevici. The students and teachers were from elementary schools "Njegos" and "Savo Ilić" Kotor "Veljko Drobnjaković" Risan, "Nikola Djurkovic" Radanovići, Ivo Vizin "Kotor," Drago Milović "Tivat" Branko Brnić "Radovići. The group was accompanied by representatives of the Municipality of Tivat and the Municipality of Kotor and representatives of ViK Tivat.



During the visit, Mr. Predrag Martinovic, Project Manager of Vodacom explained the process of operation of the WWTP and the importance of wastewater treatment with a particular focus on its positive and important impact on the environmental protection.



The on-site visit was followed by a programme organized in the premises of the Municipality of Tivat with a joint participation of elementary school students of Tivat and Kotor. Ms Biljana Krivokapic addressed the participants on behalf of the Secretariat for Environmental Protection and Energy Efficiency, in the Municipality of Tivat, while Ms Mladenka Radonjic, PR and Marketing Coordinator greeted participants on behalf of Vodacom.

Upon the introductory notes, the students from elementary schools from Tivat and Kotor were giving their 5-minute presentations about water, waste water, either in a form of a presentation or a recitation, whereby they presented activities carried out by their schools regarding this topic.



By the Resolution of 22 March 1993, the Assembly of the United Nations decided to mark 22 March each year as World Water Day and to draw attention world-wide to the problems related to water and water resources. The theme of the World Water Day 2017 is "Water and Wastewater".

Study Tour of Albanian Development Fund to Vodacom

Representatives of the Albanian Development Fund (ADF) paid their visit to Montenegro from 29 to 31 March 2017.



On the first day, ADF mission composed of 13 members and representatives of Vodacom visited joint WWTP for Kotor and Tivat. This was followed by a reception organized by Vodacom in its premises. At that occasion Ms Sanja Bujisa, Financial Analyst at Vodacom with her colleagues has a presentation on the course of the Water Supply and Sanitation Project Adriatic Coast having been implemented by Vodacom since 2004.



On the second day of the visit, there was a tour to Virpazar, water supply infrastructure, reservoirs and WWTPs in that place. After the visit to Virpazar, the ADF delegation and Vodacom went to Bar to meet with representatives of ViK Bar.

On the third day, Vodacom organized a tour to Vladimir and a meeting in ViK Ulcinj, after which the members of the delegation visited the customer service of ViK Ulcinj which was opened in September 2016.

Albania's ADF is a public, state-owned institution supporting the construction of the entire infrastructure in rural areas, and it is currently focused on the construction of water and sewerage infrastructure. Aside from the ADF it is providing funds from Germany's development bank KfW, EBRD, EU funds etc. Currently ADF is working on projects for 20 rural areas in Albania.

The purpose of ADF's study tour to Montenegro was aimed at exchanging experience with Vodacom and ViKs in the management of investments in water supply and wastewater disposal, with a particular focus on rural areas.

Status of Phase III in Bar

Works on the construction of the water supply and sewerage network within the Water Supply and Sanitation Adriatic coast Phase III continued in Bar.

The Contractor MPP Jedinstvo from Uzice performs works on the PS Botun, the reservoir Susanj 2, the secondary sewer main in the settlement Bijelisi, sea outfall Sutomore, rehabilitation of the secondary sewer main downtown Bar, secondary sewer mains in the north-east Sutomore – pipeline installation, main coastal sewer main in Sutomore.



The works encompass the construction of 5.8 km of water supply network, 19.2 km of faecal sewage network, 1 km of storm water network, one pumping station with the construction of the new sea outfall "Sutomore" and reservoir "Susanj 2".



The Contractor is MPP Jedinstvo from Sevojno (Uzice), Serbia, and the FIDIC Engineer is Dahlem from Germany. Vodacom is the Project Executing Agency (PEA). The value of works is Euro 8.329.530,14. Funds are provided from the Phase III loan of KfW in the amount of Euro 7.651.883,00, while the amount of Euro 521.647,00 has been provided from the municipal budget, and Euro 156.000,00 is KfW's grant.

The project completion date is 25th of February 2018.

Status of Phase III in Herceg Novi

Works within the project of implementation of a WWTP in Herceg Novi have been continued.

Works are being carried out by the consortium Mass Gintas, the Engineer is Dahlem, and the PEA is Vodacom. The total amount of the Project is Euro 8,838 million. The future WWTP will have capacity for 65,300 PE.

From January to March the Contractor worked on testing and adjusting the system. In accordance with Addendum 9 to the Contract signed on 26/01/2017 the Contractor commenced and completed the activities on connecting the coastal sewer main from Igalo to the newly constructed PS Forte Mare. The Contractor carried out works on disconnections from the old one and connections to the newly constructed sewage system in the section Meljine - Savina. Completion of all works on connections to the sewerage system is expected in late April.



WWTP Herceg Novi



Connecting the old and the new system – completed works

Works on the construction of 35.3 kmof water and sewage network, 11 puping stations and a sea outfall are in progress in Herceg Novi. The priority sections (PS Forte Mare, PS Savina, PS Meljine KT, PS Meljine small and connecting gravity and pressure pipelines) were taken over by the Employer on 22/02/2017. The Engineer issued the taking-over certificate and announced soon completion and issuing of the snag list regarding the outstanding defects to be removed by the Contractor within the set time period.



Works are carried out by Celtikcioglu from Turkey, the Engineer is Dahlem, while Vodacom manages the entire project. The total value of the Project is Euro 18,522 million.

Status of Phase III in Tivat

Within the Project for the construction of 17,6 km of sewerage and 14,6 km of water network with 6 bigger and 6 smaller PSs in Tivat at the Lustica Peninsula the Contractor has been removing outstanding defects in accordance with the instructions from the Engineer.

In January - March, there were meetings of all project stakeholder aimed at analyzing problems as well as the time schedule of their solutions. During its reporting period, Vodacom provided the Employer with a detailed elaboration of the current situation in writing, and highlighted the need to arrange technical acceptance for the system as soon as possible in accordance with legal regulations.

The Contractor was Ludwig Pfeiffer from Germany. The Engineer was Dahlem, while Vodacom managed the entire project totaling Euro 9,491 million.

Status of Phase IV – Joint WWTP for Tivat & Kotor

Within implementation of Phase IV of the Project for the construction of the joint WWTP for Kotor & Tivat, in the period from January to March the Contractor performed testings envisaged by the contract and removed defects notified in the takingover certificate issued by the Engineer.



During the reporting period, Vodacom warned the Employer in writing on the necessity of its active contribution in solving problems related to the further operation of the WWTP. This implies the establishment of the O&M company, technical acceptance, continuation of testing, sludge disposal issue, which should be solved as soon as possible because of the limited storage capacity in one of the WWTP reservoirs.

The Contractor is WTE Wassertechnik (Germany), while the Engineer is GkW Consult (Germany). The future WWTP for Kotor and Tivat will have capacity for 72.000 PE.

The Project value is Euro 10,247 million. Funding is provided by KfW loan of which 58% should be repaid by the Municipality of Tivat and 42% by the Municipality of Kotor.

Vodacom paid a working visit to KfW

The representatives of Vodacom paid a working visit to KfW in Frankfurt from 20 to 22 February 2017.

On that occasion, there was a discussion on the following topics:

- Status of Phase III in Bar, status of the Projects for the construction of the water supply and sewerage network and the future WWTP.
- Status of Phase III in Herceg Novi, remaining works on the construction of water supply and sewage network, testing, repairs, CCTV inspection and reinstatement, as well as the outstanding activities on the future WWTP (testing).
- Status of Phase IV , joint WWTP for Kotor & Tivat, and the conditions for the establishment of the WWTP O&M company; Adoption of a document for the financing of the WWTP O&M company by the Municipal Assemblies of Tivat and Kotor.
- Status of Phase V in Ulcinj, review of detail designs prepared by Hydrophil as the consultant responsible for production of design documentation; Training for representatives of the Municipality and the ViK regarding KfW procedures; Hydraulic model and water supply scenarios for *Velika Plaza*.
- Status of Phase V2 for Kotor, Tivat and Herceg Novi, Preparatory Study; Cost and financing tables; Immediate measures; SSDF and recultivation of dumpsites; Accompanying measures for sustainable management of WWTPs.

Humphrey Fellowship scholarship for the academic year 2016/2017

Milica Petrovic from the commercial department at Vodacom has been awarded the Humphrey Fellowship scholarship for the academic year 2016/2017, funded by the Department of Foreign Affairs of the United States.



Milica has an opportunity, together with her 11 Humphrey colleagues from Nepal, India, Mongolia, Pakistan, Ukraine, Papua New Guinea, Swaziland, Sudan, Ghana and China, to acquire new knowledge by studying natural resources (primarily water), environmental conservation policies, financial instruments that can be used for environmental protection at Cornell University, one of the centers of science in America.

Humphrey programme is not focused solely on academic but also on professional development, this all in accordance with needs of each individual participant. During her stay in America Milica had an opportunity to meet with the chairmen of water associations (National Water Association and the American Water Works Association), general managers of water utilities, founders of non-governmental organizations dealing with sustainability of water resources (Water for People), professionals dealing with financing water and wastewater infrastructure (Morgan Stanley, Standard and Poor's, Ernst & Young), and decision-makers regarding investments in the water and sewage infrastructure (Central New York Water Authority).



Milica has sent a thank-you letter to Vodacom that has shown understanding for her one-year absence, and that supports professional development and knowledge advancement of its employees in every way. Upon completing this program, Milica intends to return back to Montenegro and continue working in Vodacom.

National benchmarking in Montenegro

On invitation of the MoSDT, a representative of commercial sector of Vodacom joined a task force that will be working on the preparation of the ToR for establishment of the National benchmarking in Montenegro. The MoSDT will publish Announcement for the selection of the consultant who will work on the development of rulebooks and guidelines for benchmarking procedures as well as on determining data and indicators that will be monitored at the national level, and at the level of companies in order to improve performance of water and sewerage companies in Montenegro. The Law on Municipal Activities, adopted in August 2016, provides for mutual comparison of performance and performance indicators of public utilities based on indicators prescribed through benchmarking, and this activity will in future be binding for the ViKs.

There was the first meeting of the task force aimed at drafting the ToR. It was agreed that at the next meeting Vodacom, as the initiator of benchmarking in Montenegro, will have a short presentation on benchmarking in order to introduce all participants with further details about the benchmarking assumptions and procedures, as well as to draw up a list of data and indicators that will be monitored both at national level and at the level of individual companies, and that will be an integral part of the ToR for the Consultant.

Ecological curiosities

Recycle waste water

The theme of this year's World Water Day is 'Water and Waste Water'. From 2025, the absolute water shortage will be a reality for about 1.8 million people. Wastewaters are rich in carbon and nutrients and their proper collection and processing may result in provision of new water, fertilizers and energy



For further information see:

<https://theconversation.com/how-recycled-water-could-revolutionise-sustainable-development-73815>

Only dry bed left: Jablanica lake is almost dried up

Bosnia and Herzegovina is one of the leading countries when it comes to quantity and purity of water, and a large part of these waters are artificial lakes created by the construction of dams on the narrow riverbeds. One of them is Jablanica Lake, an artificial hydro accumulation on the Neretva River. Due to small amount of rainfall and water inflow, this and all similar accumulation, are undergoing a drop in water supply due to hydroelectricity generation.



For further information see:

<http://www.nezavisne.com/novosti/drustvo/Ostalo-samo-korito-Jablanicko-jezero-gotovo-presusilo-VIDEO/411514>