



Editorial

Dear readers,
The June 2012 Newsletter gives us an opportunity to report on the 2012 FIHB-FGR®/EADIPS® Conference for College and University Lecturers in Zurich. Other things I would like to tell you about are the installation of ductile iron pipe systems for a pipeline replacement and for two development projects. A further report describes how ductile iron pipe systems are showing how they can contribute to bringing down the costs of operating a water supply system.

Have an enjoyable and stimulating read,
Sincerely yours,

Raimund Moisa



2012 Conference for College and University Teachers in Zurich

Applying ductile iron pipe systems in the energy and water industrie

On the 23rd and 24th of April 2012, the FIHB (association provides information to college and university lecturers teaching civil engineering and construction) was once again the guest of the FGR®/EADIPS® to learn about the latest developments in the European ductile iron pipe industry. These focussed mainly on new installation techniques and fields of application and the properties of the material.

◆ The European ductile iron pipe industry had issued an invitation to come to Zurich to the home of its Swiss member von-Roll hydro (suisse) ag. 28 college and university teachers from the German-speaking part of the world accepted the invitation. As well as six papers of specialist interest on materials, applications and installation techniques given at the headquarters of Zurich's civic water supply utility Züricher Wasserversorgung, there were also two excursions. These took the teachers to Emmenbrücke, firstly to visit the foundry of vonRoll casting (emmenbrücke) ag and secondly to inspect some of the installations forming part of Zurich's water supply system. In the evening the former cathedral cloister in Zurich's old-town and the "Zunfthaus zur Waag" restaurant were an ideal venue for the teachers and the experts from the FGR®/EADIPS® to meet and exchange views and experiences.

Ductile iron pipes for new water pipelines and sewers in the market town of Mering



◆ The market town of Mering near Augsburg is making use of ductile iron pipes. Due to some street renovation (the Nikolaistraße and Marienplatz in the "St. Afra" district) the water pipeline and sewer are being replaced as well. The new 400 m long water supply pipeline consists of DN 100 to DN 150 ductile iron pipes with restrained BRS® push-in joints, TYTON SIT PLUS® gaskets and a Zinc PLUS coating. DN 300 ductile iron sewer pipes with TYTON® push-in joints were selected for the 300 m long sewer pipeline. This push-in joint is resistant to root penetration and gas-tight. Externally, the ductile iron sewer pipes have factory-applied protection in the form of a zinc coating and a reddish-brown epoxy finishing layer.



A holiday paradise in the Caucasus – Planners put their trust in ductile iron pipes with a PUR Longlife coating



◆ In the future, Azerbaijan's biggest tourism project will have the capacity to play host to 10,000 guests a day. The complex covers an area of 2,000 hectares and 5,135 metres

As the Summer and Winter Tourism Complex is being built in the Shahdag National Park in Azerbaijan, an entirely new infrastructure comprising all the communications links and supply pipelines, roads and many bridges is being set up.

of ductile iron drinking water pipes are being laid in the first stage of its development. The BLS®/VRS®-T pipes of nominal sizes from DN 100 to DN 200 have been supplied with the rugged PUR Longlife coating. This was suggested by the Austrian planning company,

which attached great importance to a high-grade coating and secure joints in view of the severe demands made by the laying situation. Almost the whole of the first consignment of ductile iron drinking water pipes has now been laid. Further consignments will follow.

The municipality of Schöntal has ductile iron pipes installed in Bieringen

◆ The municipality of Schöntal is the largest amalgamated municipality in the Hohenlohe district of Baden-Württemberg. Bierlingen is one of the municipalities making up the amalgamated municipality and a total of 786 m of K 9 ductile iron pipes of the DN 150 nomi-

nal size with the tried and tested cement mortar coating have been used in developing its "Flur" industrial park. For the first, 204 m long, section of the installation work, the consulting engineers responsible opted for ductile iron pipes with the positive locking BLS®

push-in joint, which enabled the pipeline to be installed safely in the steep terrain. Thanks to the quick, safe and secure way in which the ductile iron pipe system can be assembled, the work was completed in good time to the satisfaction of everyone involved.

Dates for your diary

24–25 September 2012

66th wat 2012, Dresden

26 September 2012

7th German Symposium on Trenchless Pipeline Installation, Siegen

26–27 September 2012

DWA (German Association for Water, Wastewater and Waste) 2012 Federal Conference, Magdeburg

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Securing the drinking water supply in Todtnau

◆ The Aftersteg service reservoir in the municipality of Todtnau in the high part of the Black Forest does not have a deacidification system. To avoid the costs of building and operating such a system, the water is conveyed to the Knappenquellen springs, deacidified in the system there, and then transported back to the Aftersteg service reservoir. To divert the water via the Knappenquellen springs, 3,600 m of DN 100, PN 16, K 9 ductile iron pipes have been installed. In the difficult terrain, the cement mortar coating of the pipes allowed a sand bedding to be dispensed with. This was an appreciable advantage for the installation of the pipes and will also mean a considerable increase in the operating life



of the ductile iron pipeline and will thus contribute to economic and technical sustainability. The joints chosen were the tried and tested restrained BLS®/VRS®-T push-in joint, which will withstand even high pressures without any problems. The pipeline was installed in 2011 and went into operation at the end of last year. It represents a sustainable way of securing the drinking water supply of the town of Todtnau and its surrounding villages.

