

In the last July, 18th, at the Institute of Environmental Sciences, Shijiazhuang, with the participation and co-sponsored by the Shijiazhuang High-tech Industrial Development Zone Water Supply and Wastewater Drainage and Treatment, included in the "2011 Forum on pharmaceutical water treatment technology," and the participation of the Department of Environmental Protection from Hebei Province, the Shijiazhuang High-tech Industrial Development Zone, Shijiazhuang City, Environmental Protection Agency, Environmental Protection Branch High-tech Zone, Shijiazhuang City Authority, the Sewage Treatment Plant of Shijiazhuang City, the Shijiazhuang Pharmaceutical Group, and Environmentalists across the country totaling more than 90 persons attending the Technical Seminar on pharmaceutical wastewater treatment technologies and respective conducted technical exchanges, by Antonio Ferreira, VALORSABIO's CEO.



U.S. patents (JET-LOOP SYSTEM) super bio-reactor providing rich oxygen supply to the wastewater by the use of innovative designed ejectors. The air is pumped through the ejectors and delivered into the bioreactor deep water bottom level.

The unique advantages of the JET-LOOP SYSTEM are the perfect mixed water-air micro bubbles associated to a long air in liquid residence time- air hold up, thus creating a very high concentration of dissolved oxygen into the wastewater. The JET-LOOP SYSTEM is the unique process able to provide up to 4.6 kg O₂ per KWh due to the high diffusion coefficients and the Oxygen dissolved can overpass more than 55% the water saturation. This produces a great enhance and improvement in the biochemical wastewater treatment.

Assuming the social responsibility of modern heritage, the ecological interpretation of the civilizing mission, environmentalists launched "Pharmaceutical wastewater treatment technology forum" for the pursuit of a new wastewater treatment technology Shijiazhuang High-tech Zone and even China's future construction and development services for the improve water utilization, in order to achieve them sustainable and solid development of the economy.



Antonio Ferreira introduced the GREENLINE wastewater advanced technology and the JET-LOOP SYSTEM innovative super bioreactor for high COD and BOD efficient pollution reduction.

GREENLINE main features are based on the use of bio-solar energy systems, with low power consumption, very high-quality sewage treatment and vertical installation. It saves floor space used, include high-rate algae produced in closed system, mainly used for nitrogen and phosphorus removal, soil remediation and can be effectively applied for and river lake water purification fighting eutrophication processes.



The forum was held in Shijiazhuang City, dedicated to the use of advanced wastewater treatment technology for enhance wastewater treatment, water reuse research, recycling water resources, that will have an important role.

Source: China Water Industry Network