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JEP > Vol.3 No.8, August 2012

OPEN ACCESS

The Development of PCB Enterprise Sewage Monitoring and Management and Controlling Systems

PDF (Size: 114KB) PP. 782-785 DOI : 10.4236/jep.2012.38093

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ABSTRACT

With the development of science and technology, more and more cities are confronted with the water pollution of various degrees. The article is devoted to the introduction of a secondary sewage monitoring and management system which can automatically check the content of different components in the sewage discharged by enterprises and supply data reports with the help of probes, SBCs, PCs, etc. The article includes five parts. The first part introduces the research background, main research work and innovations of this system. The second part introduces the system architecture and system process. The third presents the fundamental working principles of SBCs and the relevant algorithms of PCs. The fourth expounds the problems and deficiencies which may exist in the algorithms. And the last part consists of summary and prospect, providing the possible solution to the deficiencies and looking forward to the future direction of research.

KEYWORDS

Single Board Computer (SBC); PC; Data Acquisition Cycle; PCB

Cite this paper

Y. Li, L. Zhang and S. Zhou, "The Development of PCB Enterprise Sewage Monitoring and Management and Controlling Systems," *Journal of Environmental Protection*, Vol. 3 No. 8, 2012, pp. 782-785. doi: 10.4236/jep.2012.38093.

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