

Comparative Methods for Environmental Aspects' Evaluation

Mădălina Silvia IGNATOV, Valeriu PANAITESCU

Auditors Development Centre, Faculty of Engineers and Technology Management, Polytechnic University of Bucharest, Romania; Hydraulics and Hydraulic Machines Department, Faculty of Energetic, Polytechnic University of Bucharest, Bucharest, Romania
ignatov.madalina@rdslink.ro, valp@hydrop.pub.ro

Abstract

To follow an environmental policy, to establish coherent environmental targets any aspiring organization in applying an Environmental Management System (EMS) must assure itself that its significant environmental aspects are taken in consideration. More than this, to establish and measure year by year the environmental performance of a certain organization (in our case, the environmental performance of the thermo electrical power plants - TEPP) we must identify the environmental aspects relating with power producers' raw materials, wastes and activities and to evaluate them. In spite of these, doesn't exist a standard method for environmental aspects quantitative accounting, in most cases the used methods are qualitative. In this paper we propose ourselves to discuss some quantitative methods for environmental aspects accounting and compare them.

References:

- [1] Lăzăroiu Gh., Pătrașcu R., Gheorghe C., "Environmental impact. Applies", Polytechnic University Press, 2005, pp. 9-143.
- [2] Lăzăroiu Gh., "TEPP impact against the environment", Polytechnic University Press, 2005, pp. 9-336.
- [3] Badea A., Apostol T., Dincă C., "Environmental impact accounting using life cycle analyse", Polytechnic University Press, 2004, pp. 9-189.
- [4] Ignatov M., "Environmental impact accounting using quantitative and semi-quantitative methods", The International CCF Conference Book, Sinaia, 2004, pp. 365-369.
- [5] Eckermann, F., A. Hunt, T. Taylor and M. Stronzik, „The role of transaction costs and risk premia in the determination of climate change policy responses”, Metroeconomica Discussion Paper (forthcoming), 2002, pp. 39-47.
- [6] Böhringer and A. Löschel eds., „Empirical Modeling of the Economy and the Environment”, ZEW Economic Studies, Physica, Heidelberg, 2002, pp. 24-29.
- [7] Pedersen Weidema B. and Wesnaes M. S., „Data quality management for life cycle inventories - an example of using data quality indicators”, Journal of Cleaner Production, 4(3-4), 1996, pp. 167-174.