ENVIRONMENTAL PERFORMANCE INDICATORS IN AIR QUALITY MANAGEMENT PROCEDURE IN FERTILIZER PRODUCTION

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Petrokemija d.d. Fertilizer company developed an environmental management system which was certified to ISO 14001 in January 2004. As part of the development of its environmental management system the company identified its significant environmental aspects and set environmental performance criteria (objectives and targets). As shown in this paper, Petrokemija d.d. established a set of indicators considering of which help its management of identified environmental aspects. The significant environmental aspects of fertilizer operation include emissions to air (e.g. ammonia, nitrogen oxides, sulfuric dioxide, fluorides as well as particles of raw material and finished products), emissions of substances in waste water (e.g. nitrogen and phosphorus compound) and wastes. The environmental criteria of Petrokemija d.d. are expressed in the organization's Environmental Policy. Examples of the criteria particularly linked to the use of indicators include commitments to: -reduction of environmental pollution (emission reduction and better waste disposal) and environmental impacts resulting from fertilizer production, - pollution prevention, - resource saving, - continuous improvement of the environmental performance. In order to evaluate the results of technological changes, legal compliance and overall environmental performance Petrokemija selected environmental condition indicators (e.g. concentrations of gas emissions in the air in the vicinity of Petrokemija d.d. and operational performance indicators (e.g. emission factor) in measurable units. An internal report to the management (Management Review) informs management on the development of indicators and the extent to which objectives have been achieved. These indicators are also very useful managerial decision-making tool.