

Suchat Banjongkan 2009: Process to Transfer Community Wastewater Treatment Learning Efficiency for the Third Key Stage Students. Doctor of Philosophy (Environmental Science), Major Field: Environmental Science, College of Environment. Thesis Advisor: Mr. Sophon Thanamai, Ph.D. 289 pages.

The main objective of this research is to transfer an effective learning process concerning community wastewater treatment for 39 Mathayomsuksa 1-Mathayomsuksa 3 students of Kantangpittayakorn School, Trang Province.

The transferring process of community wastewater treatment consisted of the following 4 steps: 1) Formulating the community wastewater treatment knowledge by employing four major environmental technical steps. They included ecological values, law of change, recovery techniques and environmental sustainability auditing. 2) Organizing a science camp with learning activities: lectures, video watches, experiments, group discussions and field studies at community learning sources, together with the development of learning plans and the camp schedules. 3) Undertaking a 3-day science camp based on activities on the camp schedules, as well as the learning activities in the plan. 4) Assessing the learning outcomes by using pre- and post- essay tests. It is found that the students' learning achievements effectively increased in terms of knowledge, attitudes, awareness, sensitivity, and skills, at the significant level of 0.05. In comparison, the average post-test scores were higher than the pre-test ones at the significant level of 0.05.

The results show that the transferring process of community wastewater treatment can significantly improve the efficiency of the students' learning in community wastewater treatment.

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Thesis Advisor's signature