



LUNDS TEKNISKA HÖGSKOLA

Lunds universitet

Department of Water Resources Engineering  
Faculty of Engineering  
Ronny Berndtsson  
Professor

**Academic advisor's report  
on the PhD thesis**

***Assessment of Safe Drinking Water Provision in Rural Areas of Karaganda  
Region: A Case Study from Bukhar-Zhyrau District***  
**by Alua Omarova, in the specialty 6D110200 – Public Health**

The initiative topic of the thesis research *Assessment of Safe Drinking Water Provision in Rural Areas of Karaganda Region: A Case Study from Bukhar-Zhyrau District* by A. Omarova corresponds to the specialty code 6D110200 – Public Health.

In the course of the thesis, A. Omarova has performed a large amount of research and analytical work. Scientific and methodical literature, as well as legislative and regulatory documents on the problem of interest have been reviewed and analyzed.

During the doctoral studies, within the framework of academic mobility, A. Omarova has four times spent extended periods at Lund University (Lund, Sweden), where she completed the courses "Environment and Sustainable Development", "Introduction to Research Management and Academic Writing" and "Biostatistics and Public Health Research" and completed a research scientific training.

A. Omarova has proved to be an independent, organized, and creative sPhD student. Due to inherent purposefulness in scientific research together with good analytical and generalization skills, this doctoral candidate was able to achieve her goal when completing the thesis work in accordance with the schedule.

All the objectives of the thesis were completed in full. The collection of primary material, questionnaire construction, processing and statistical analysis of the data, formulation of the main findings, as well as summary and conclusions of the thesis have been performed by the author. The material is systematized, documented and executed by the author in accordance with the existing requirements, logically consistent, and stated in a literary language.

The work is relevant and has scientific and practical significance. Based on the research findings, there are thirteen published works including four as publications recommended by the Committee on the Control of Education and



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Science, as well as two more articles (IF = 2.145) and one abstract (IF = 2.782) in publications with a non-zero impact factor according to Journal Citation Reports of Clarivate Analytics company.

In 2018, A. Omarova participated in the 11th European Public Health Conference *Winds of Change: Towards New Ways of Improving Public Health in Europe* organized by the European Public Health Association in Ljubljana (Slovenia), where she presented a poster *The Future of Piped Water in Villages in Low- and Middle-Income Countries*. There are certificates of entering information into the state register of rights to objects protected by copyright.

Thus, during the doctoral studies, A. Omarova has proven to be a mature and qualified specialist who has completed the necessary academic and scientific work in full. Her thesis *Assessment of Safe Drinking Water Provision in Rural Areas of Karaganda Region: A Case Study from Bukhar-Zhyrau District* is of scientific and practical value and can be submitted to public defence.

This report is for submission to the Dissertation Defence Board.

Ronny Berndtsson, PhD, Professor  
Academic advisor

