

# **ENVIRONMENTAL STATUS ASSESSMENT OF PIG PRODUCTION AT LARGE SCALE FARM IN NAM DINH PROVINCE**

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## **Summary**

Nam Dinh currently is a developed livestock production province with a total number of almost 600.000 pig heads. Thus, waste of pig production is a big challenge for the provincial environment. The initial result of research shows that almost pig farming waste is processing through biogas system. The solid waste is slightly reduced after passing biogas plant however, some nutrients are tended to increase. The released waste water is still polluted and become a big source of risk for surrounding environment. Beside that, this waste cannot be fully collected nor processing due to overuse of water during house cleaning and pig production. This study aims to evaluate an overview of pig production environment in Nam Dinh province in order to propose methodology, management and comprehensive processing for the waste.

**Keywords:** *Farming, livestock, pig, environment, waste water.*