

Effectiveness and Situation of Thailand Infectious Waste Management :

A Case of Study Health Region 5

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This research aims to study the status of infectious waste management and assess the effectiveness of management system in health region 5. Regarding to the status, an amount of infectious waste in Thailand are increasing from 15,646 tons in 2009 to 55,646 tons in 2016 respectively. The main source of infectious waste are from Public Health service offices⁽¹⁾ (Main Public Health Hospitals and District Health Promoting Hospital(DHPH)) at 63% (10,178 offices), Private clinical or medical services and Infectious laboratory at 19% , Private hospital at 17%) Most of all places (97%) transported and eliminated infectious waste by 3 private companies and 20 official Municipals' incinerators. However, there are some infectious waste missing from the management system as found in the manifest⁽²⁾ real time programming control. The key issues are lack of effectiveness in management system including, improper of separation and instruments, incorrect of infectious waste separation in collection process, Lack of standard of procedure in transportation, and the effectiveness of elimination process.

The Results of study for effectiveness by scoring found that there were difference of practices score between all hospital and district health promoting hospital(DHPH) especially in separation and collection, transportation, legal management system of DHPH do not achieve standard of procedure for management, and the Manifest system could not covered for controlling origin places and private companies. The recommendations from this study are firstly, the infectious waste management should be centralized at the provincial level or accelerate the quality control development of Infectious Waste Manifest System, secondly, the law enforcement need to be strengthen and established the involvement of local authorities, and lastly the whole system need an effective monitoring and evaluation in order to better management to

protect population health and building environmental friendly health system.

Key word Information: Infectious waste, Effectiveness, Management, Manifest sys