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SCHEDULED DESLUDGING SERVICE (LLTT) FOR SAFELY-MANAGED SANITATION

The USAID Indonesia Urban Water, Sanitation and Hygiene *Penyehatan Lingkungan untuk Semua* (IUWASH PLUS) project

is a five year-and-eight-month initiative designed to assist the Government of Indonesia in increasing access to water supply and sanitation services as well as improving key hygiene behaviors among urban poor and vulnerable populations. USAID IUWASH PLUS works with governmental and donor agencies, the private sector, NGOs, communities and others to achieve the following "high level" results:

- An increase access to improved water supply service for 1,100,000 people in urban areas of which at least 500,000 are from the poorest 40% of the population (also referred to as the "bottom 40%" or "B40"); and
- An increase access to safely managed sanitation for 500,000 people in urban areas.

USAID IUWASH PLUS works with 35 Local Governments across Indonesia located in 8 provinces that includes North Sumatra, West Java, Central Java, East Java, South Sulawesi, Maluku, North Maluku and Papua, and 2 special areas in DKI Jakarta and Tangerang district.

LLTT as a Septage Management Standard for Safely-Managed Sanitation

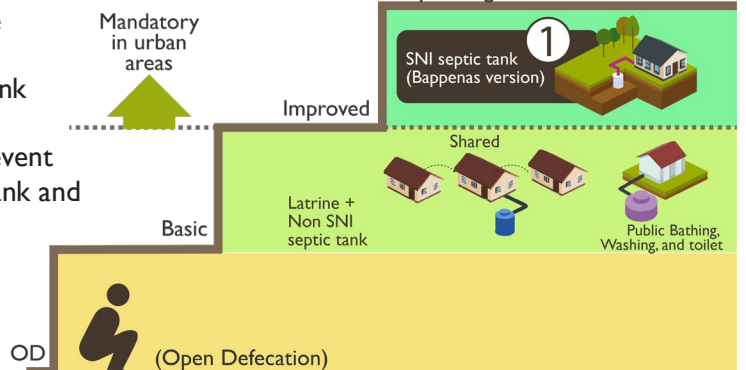
One of the USAID IUWASH PLUS activities in sanitation is the Scheduled Desludging Service (in Bahasa Indonesia known as *Layanan Lumpur Tinja Terjadwal/LLTT*). LLTT is a service mechanism for a routine and scheduled desludging for on-site septage management system and continued with a proper treatment process in an assigned facility with agreed payment methods.

LLTT plays an important role in protecting the environment because one of the causes of environmental pollution is leakage on septic tank that cause sludge and domestic wastewater to seep into the soil and water resources. To prevent sludge from exceeding the capacity of septic tank and polluting the environment, septic tanks must meet the Indonesian National Standard (SNI) and must be desludged at least once in three years.

Standard for safely-managed septage management



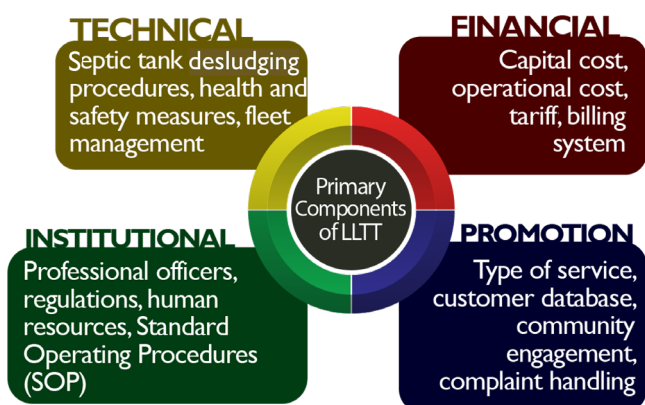
Safely Managed CTPS 1 2 3



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LLTT as a part of safely-managed sanitation and domestic wastewater services is a service that can prevent the source of domestic waste pollution from entering the body/source of water. This service includes:

- Sealed septic tank that complies with SNI;
- Emptying and transportation system for sludge;
- Septage/Wastewater Treatment Plant (STP/WWTP).

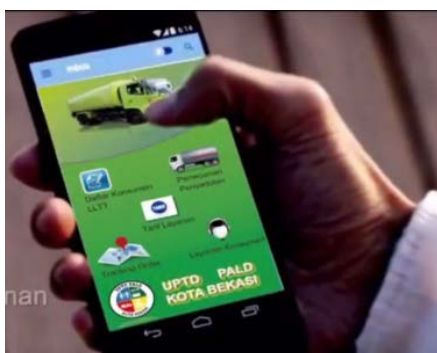


To complement the above, Handwashing with Soap program, also known as *Cuci Tangan Pakai Sabun* (CTPS) should also be implemented to improve the community’s hygiene. This series of services system aligns with the Sustainable Development Goals (SDGs) in sanitation sector, which is to ensure the access to sanitation and water for all. Through the implementation of safely-managed wastewater treatment, it is expected that the quality of community’s life and environment is improved and healthier.

USAID IUWASH PLUS collaborates with the local governments, Municipal Drinking Water Companies (PDAMs), and Regional Technical Implementation Unit for Domestic Wastewater Treatment (UPTD PAL) to implement the LLTT program that includes 4 components as illustrated in the diagram.

The LLTT Implementation in Indonesia

The USAID IUWASH, which is the previous USAID IUWASH PLUS project, had provided technical assistance to the local governments, PDAM and UPTD PAL to implement the LLTT program in 10 cities/districts that included North Sumatra (1), DKI Jakarta (1), West Java (2), Central Java (1), East Java (3), South Sulawesi (1) and Papua (1) Provinces.



An Android-based application for the scheduled desludging service applied by the UPTD PAL of Bekasi for the LLTT service.

In Bekasi City, USAID IUWASH supported the government to establish UPTD PAL and to initiate the LLTT service with on-call system. Under the leadership of the UPTD Head and the full support of the Local Government and Mayor of Bekasi, the LLTT service is now supported with the modernized fleet of trucks, the implementation of proper health and safety measures and the intensive promotion for households and government infrastructure to improve their septic tanks and join the LLTT program.

The head of Bekasi City UPTD PAL, Andrea Sucipto stated that USAID IUWASH had assisted the UPTD in improving its institutional capacity. With the USAID IUWASH technical assistance, UPTD PAL currently has a better institutional and wastewater management with the SOPs for implementing their activities.

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For further information:

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