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NORTH SUMATRA

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

is a five-and-a-half-year 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.

In North Sumatra, USAID IUWASH PLUS works in five cities/districts located in Medan city, Deli Serdang district, Tebing Tinggi city, Pematangsiantar city and Sibolga city.



USAID IUWASH PLUS NORTH SUMATRA



72,981 km²

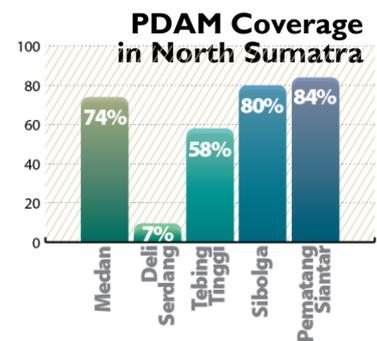
Is the area of North Sumatra province that consists of 8 cities, 25 districts, 325 sub-districts, 5,456 villages and 419 islands.



13.93 million is the population of North Sumatra province and this province is the fourth province with the largest population after West Java, Central Java and East Java with the population growth rate is 1.20 % per year according to data released by Central Statistics Agency (BPS) of North Sumatra province (2015).

Increasing Access to Water Supply

Based on data from Bappenas (2016), access to drinking water for the North Sumatra province until now has reached approximately 67.0%, which was slightly lower than the achievement of national drinking water access (70.97%). Recently, North Sumatra has 18 Municipal Drinking Water Companies (PDAM) operated at city/district level. Among five USAID IUWASH PLUS assisted cities/districts, Pematangsiantar and Sibolga have the highest PDAM service coverage, followed by Medan city, Tebing Tinggi city and Deli Serdang district. Of the 800,000 people living in urban areas in Deli Serdang, the number of customers is only about 28,000 households.



*MPWH BPPSPAM, BPKP PDAM and BPK data (2015)

2,200 l/sec

Is the target of water production capacity in Medan, Binjai and Deli Serdang

With the conditions above, the city/district governments in North Sumatra have committed to improve the quality of water services for the whole community including the Low-Income Communities. One of the programs emphasizes on the improvement of water services in North Sumatra is the Water Supply System plan (SPAM) covering Medan, Binjai and Deli Serdang (Mebidang) with a maximum production capacity of 2,200 liters per second.

With the additional capacity, it is estimated that almost 176,000 households will receive water service that will increase the access to drinking water services in North Sumatra significantly.

Improving Domestic Wastewater Management Service

To improve domestic wastewater management service, North Sumatra province continues to implement the following activities:

- Right now, the development of off-site sanitation system on city scale in Medan has covered up to 4% of the total population of Medan city or equal to 2.497 million people (BPS data 2015).
- Through grants provided by Local Government Budget (APBD), 1000 individual septic tanks will be constructed in Fiscal Year (FY) 2016 and 500 units in FY 2017 in Medan City; and under State Government Budget (APBN/OBA) 108 units (FY 2016) and 1000 units (FY 2017) will be constructed in Deli Serdang district (Local Government Data).
- Wastewater Treatment Plants (WTPs) on communal scale (50-75 households) have been constructed in five USAID IUWASH PLUS assisted cities/districts (Deli Serdang district, Medan city, Tebing Tinggi city, Pematangsiantar city, Sibolga city) and WTPs on regional scale (300-400 households) will be built in Deli Serdang in FY 2017 (Local Government Data).
- Promotion and development of mechanisms for Scheduled Desludging Service (L2T2) will be developed in several USAID IUWASH PLUS assisted cities/districts. To support the L2T2 program, several Septage Treatment Plants (STPs) are already available in Sibolga (1 unit), Pematangsiantar (1 unit) and Deli Serdang (2 units). In the future, 2 STPs will be built in Medan (50 m³/day) in FY 2017 and 1 STP in Tebing Tinggi (22 m³/day) in FY 2018.

Capacities of Septage Treatment Plants (STPs) in North Sumatra



USAID IUWASH PLUS Supports and Priorities for North Sumatra

Some of the main priorities of USAID IUWASH PLUS activities in the cities and districts of North Sumatra include:

- Energy Efficiency Audit and management of Non-Revenue Water;
- Study on Drinking Water Safety Plans (RPAM) that cover RPAM sources, RPAM operators and RPAM consumers;
- Facilitate regional Water Supply System plan of Mebidang (Medan - Binjai - Deli Serdang);
- Support and promotion of healthy latrines, individual septic tanks, communal WTP and regional WTP through synergy with STBM, Kotaku and IDB Pamsimas programs;
- Facilitation of microcredit mechanism for water supply and sanitation (provision of sealed septic tanks);
- Revitalization of STP and L2T2 facilitation;
- Institutional development and regulation for the Regional Technical Implementation Unit for Domestic Wastewater Treatment (UPTD PAL).
- Advocacy of WASH development planning model, both Bottom Up (community encouragement) and Top Down (technical assistance in developing 5 year WASH Program for municipality).

For further information:

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*Last updated: Feb 13, 2020