

Preparatory survey on how to diffuse soil absorption system supportive to environment in Solomon Islands

Company

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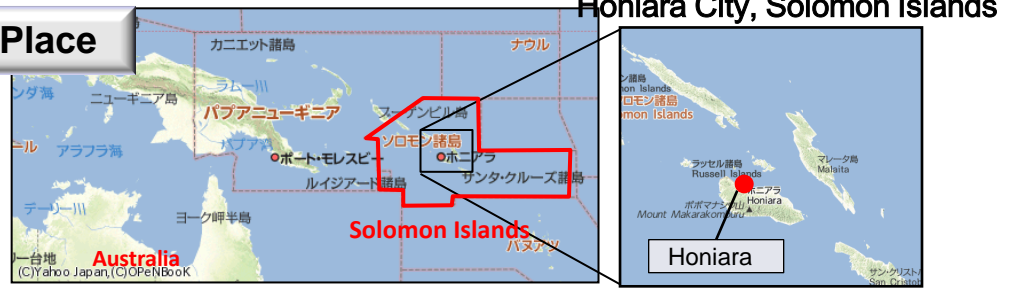
Back Ground

- People in Solomon Islands continue to excrete outside because of lack of sanitation facilities, especially public toilets.
- Septic tanks in Honiara city have insufficient capability to treat wastewater, resulting in river and ocean pollution and water-borne disease.

Summary of the survey

- A purpose of the survey is improvement of sanitary environment by constructing Taisei Soil System (TSS) in schools and resort areas or converting , existing public toilets into TSS
- The 2013 survey is to grasp actual situation of existing toilets in schools/hospitals, select demonstration sites of TSS and have meetings with governments and organizations concerned.
- Main contents of the 2014 survey is below;
 - TSS effect demonstration at St Nicholas School and Matanico Site including importing materials, construction, monitoring, maintenance.
 - Workshop in Honiara City produced by Honiara City Council and project team for project promotion.
 - Meeting with government divisions of Solomon Islands.

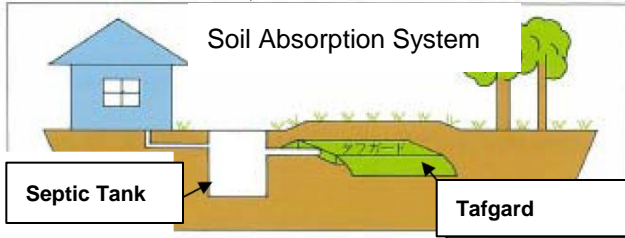
Place



Summary of the Technology

- TSS is electricity-free and discharge-free treatment system which makes the best use of Japanese traditional technologies supportive to environment. Wastewater is treated by the action of soil absorption and evaporation which comes from special materials “Tafgard” used in TSS.
- Quality of Treated water by TSS is same with the one by Johkasou. TSS is designed to have simple structures and generate little sludge after treatment, which makes maintenance easier.

Taisei Soil System (TSS)



- ① Discharge-free in many cases
- ② Electricity-free in many cases
- ③ Stable treatment performance
- ④ Easy maintenance and low costs
- ⑤ 400 experiences of construction in Japan
- ⑥ Demonstration results certificated by Ministry of Environment in Japan

Prospective effects of the survey and business model

- Effects
 - Improvement of sanitation by introducing TSS and enlightenment of consciousness over hygiene by providing education with local people.
 - Creation of job opportunities by carrying out technology transfer and training of effective construction and maintenance..
- Business models
 - Sales of TSS, pay-for-use toilet business creation, technology transfer, training of maintenance and education of sanitation.

