



Overseas Reports

【Action plan progress report】



1) Course Leader: Hajime SUETA

2) Former Participant: Mr. PEIXOTO GOES Guilherme


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Kitakyushu International Techno-cooperative Association

Training Division

This issue of Overseas Reports covers activities being run in their homeland by participants who attended the training course, “Operation and Maintenance of Sewerage System (B)”. Mr. Hajime SUETA, the course leader, introduced us the mail exchange with him.

1. Introduction of the participant, who has given the report

Nickname	Photo	Name	Country	Period of JICA Training Course
Guilherme -san		Mr. PEIXOTO GOES Guilherme	BRAZIL	Jan.16, 2019 to Mar.2, 2019



2. Profile of participants



Eight participants dispatched from all over the world gathered in Kitakyushu city (JICA Kyushu) and studied “Operation and Maintenance of Sewerage System (B)”

3. Message from Mr. SUETA, Course Leader



Guilherme-san is a civil engineer working at a water and sewage public corporation (SANEPAR) in Parana State, Brazil. SANEPAR works on supplying drinking water and providing sewage service for 346 cities in Parana State; the sewage service covers 71% of urban population in the territory. He takes charge of design, construction and management of water and sewage systems for 33 cities including Curitiba (Capital of Parana State) among those cities. He is also in charge of construction, management and improvement of newly constructed facilities.

There are 26 sewage treatment plans within the area of 33 cities he is in charge, and almost all the plants adopt UASB (Up flow Anaerobic Sludge Bed) method. However, the sewage treatment by this method is difficult to conform to environmental laws and regulations becoming stricter and stricter. Accordingly, it is required to respond to new technologies and treatment methods such as activated sludge process replacing the UASB as well as to adopt a design enabling economically practical operation of facilities. Under such circumstances, Mr. Guilherme participated in this training course.

The theme of Action Plan (AP) he prepared by utilizing the information and knowledge he obtained through 7-week training was “Introduction of a maintenance manual based on Japanese expert knowledge and methods.” The background of this theme seemed to be the requirements lying against him to carry out facility management in compliance with the environmental laws and regulations mentioned above, to provide sewage service for residents in the areas without adequate sewage treatment system and, for this purpose, to reduce the construction cost and secure economical practicability.

He came to know that, in Japan, sewage treatment plants over 40 years of service are still working normally because the service life of equipment and facility is elongated by a method called preventive maintenance, and he decided to introduce this method to his country. It was the first time for me to meet the AP prepared by such an idea from among about 100 participants of whom I was in charge until now; I was moved by his excellent point of view. In the AP, to executive members, he presented a plan to arrange an implementation team composed of experts in various fields as well as proposing other plans. According to the report from him this time, it seems that the contents of AP prepared in Japan are being executed as they are. In addition, introduction of P-D-C-A cycle management is proposed.

I hope him to prepare a manual suitable for his own country and take P-D-C-A cycle in the activity in order to realize improvements for preferable corporation management and better operation management of sewage treatment plant.

4. Letter from Guilherme -san



November 19, 2019

Dears

Sueta and Mafumi

It's been more than 8 months since the great time We had in Japan!

I'm grateful in tell you that all this time I've been trying to improve my daily activities with the knowledge acquired in this experience.

So today I'm writing to tell you about what I've been done, and how my Action Plan is going.

Recent activity report

Since I returned to Brazil, I had to work in this Big Water Project. It will cost around Yen 3,000,000,000 !! In spite of this Project been of water distribution, I made it have all the control and O & M, since the design period. So now it's part of the product that has to be done by builders contractors the creation involving all the areas (design, construction and operation) of the O & M Manual for the new facilities.

By now, this big Project is in bidding process. And I could return to the plan of involving my co-workings in O & M issues. So as I described in my Action Plan, first I had some meetings with my superiors, and we decide to set a group to discuss and improve ours O & M Plans. This group has been done 3 meetings and now we are going to work in 4.0 **O & M Plans**, for 4 S`TP's in different cities. I hope this group could improve the procedures, mainly involving the design area in O&M activities, so they can describe what they predicted for operation process (we realized that sometimes these information was lost) .

Besides this group, for 2 times I gathered some coworkers in a conference to tell them about JICA's experience. This meeting was about telling them how Japanese Technologies are, and how Japanese Sewer's Works are, showing them all the 5 contents I learned in JICA's course. It was a great time, people loved and though about sanitation in Brazil. At this time i shared the material I brought with them.

In other opportunity I went to a University to show them this experience as well. It was the same contents that I showed in my company, but this time I wanted they to think about their daily activities and how this could affect the environment, and again they loved the lecture.

So, the intention for me of sending this email was to get you to know that we are working/using the knowledge acquired in Japan, and I'm thankful for this time.

Hope to see you some time, and If You come to Brazil, please let me know that I go see you!!



O & M group meeting



Coworkes meeting



Thank you again.

Guilherme



University class

5. Memories of JICA-KITA Training

Photo Album of the JICA / KITA Training Course (Jan.16, 2019~Mar.12, 2019)



Practice of sewer pipe inspection



The memorial photo after lecture



Group study for the "Training Review Time"



Group representative report of "Training Review Time"

End of report