

# JESC NEWS

No.14  
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## “The 4<sup>th</sup> 3R Conference for Asian Local Governments” organized by JESC was held with a great success in January, 2012



Japan Environmental Sanitation Center, JESC held “The 4<sup>th</sup> 3R Conference for Asian Local Governments” from Jan. 30<sup>th</sup> to 31<sup>st</sup> 2012 in Tokyo.

The conference invited 5 Japanese local governments including Tokyo Metropolitan Government, Kawasaki city, City of Kitakyushu, Sendai city and City of Yokohama , along with 5 Asian cities including Shenyang/China, Padang /Indonesia, Kuala Lumpur/Malaysia, Bangkok/ Thailand and Hanoi/Vietnam.

This two days conference was held on three different themes which are: “MSW and 3R Policy”, “Technical Transfer” and “Disaster Waste Management”.

For the opening, Mr. Tetsuo Ito, Director General of Waste Management and Recycling Department, from Ministry of the Environment and Mr. Teruyuki Ohno, Director General of Bureau of

Environment, from Tokyo Metropolitan Government gave speeches as co-organizers.

The keynote presentation was given by Mr. Michikazu Kojima, JETRO. He is one of the leading experts in the field of waste management especially in Asian countries. The title of presentation was "Toward Effective Cooperation for Promoting 3Rs among Asian Local Governments".

At each session, the participants had lively and meaningful discussions after the presentations given by participants from Asian countries.

Throughout those discussions, the participants shared an understanding as follows; to promote the 3R, it is important to engage in a scheme integrating not only resources recycling but also biodiversity conservation and realization of a low carbon society.

To accelerate technological transfer, it is crucial for businesses with high technology to interact with one another. Thus it is important for local governments to support businesses as well as to improve the environment for the relevant businesses to be viable, in order to establish extensive trust-based relationships among local administrations, which have responsibility for solid waste management.

To facilitate disposal of disaster waste, it is necessary to form an extensive team of stakeholders, including local government officers, citizens, researchers and engineers, who get together across their city borders, for further collaborations and commitments.

The opinions and discussions were summarized as “TOKYO DECLARATION” and adopted by all participants.

#### Tokyo Declaration (for short)

Today people are sharing common sense of value and influencing each other more often than before in Asia, where an incident in a country tends to bring about a serious impact on the lives of citizens for their production and consumption in other countries as the people, the goods and the means of production are being transferred dynamically across national borders.... (partially omitted)  
 Today the participants of the 4th 3R Conference for Asia Local Governments have agreed that they will make utmost efforts in order to achieve 3R in their own country as well as in Asian Region, and to promote the mutual cooperation and exchange of experiences. We believe these results should be disseminated to other cities in Asia.

(full text:

[http://www.jesc.or.jp/environmentS/3r\\_conference/img/tokyo\\_en.pdf](http://www.jesc.or.jp/environmentS/3r_conference/img/tokyo_en.pdf))

Here we received some comments and messages from the participants. Thank you very much!

#### ***Mr.Didi Aryadi (Padan, Indonesia)***

*"I am very pleased to have been invited to participate in the 4th 3R Conference for asian Local Governments in Tokyo-Japan. This conference is very important for us to be able to continue to keep urban environment clean. In this conference we share experiences and learn about how to manage the waste, so that we can produce a clean and healthy city. We can replicate the better methods used by other cities in waste management, in accordance with the conditions of each city. This conference is very prestigious and quality, managed to produce "Tokyo Declaration". JESC make the conference successful, attractive and important in managing solid waste in urban areas. I am pleased to be part of this important conference. And would be happy if at the next conference, more cities in Asia to join at this conference, which will create cities in Asia nicer and caring in waste management".*



***Ms. Nuntiya Muangmor (Bangkok, Thailand)***

*The 4th 3R Conference for Asian Local Government which held on January 30 and 31 in Tokyo was interesting and very fruitful for many participants. Three topics of the conference such as 3R policy, technological transfer and disaster solid waste management were important to be shared in the conference and the outcome from the conference could brought to improved waste management and performance in each local government and could disseminated to the other countries in Asia. For future meeting, three topics are still important especially the topic of disaster solid waste management because at present there are many countries facing the natural disasters, if participants*

*have chances to share more information and experiences it will make them ready to fight disasters and have appropriate management and I sincerely hope that the meeting will continue to develop further in the coming future.*



(Yoshiko MATSUMURA)

## **Enforcement of JICA Follow-up Project for Cambodia**

Japan Environment Sanitation Center (JESC) carried out Follow-up Project for Cambodia to be assisted by JICA on JFY 2011.

Mr. Chin Chamreoun and Mr. Kong Savuth of Ministry of Environment Cambodia who participated in the training course in “Air Quality Management Policy 2011” by JICA made an action plan titled “The Improvement of Air Quality Management in Phnom Penh City”. They listed three aspects to improve the problems in the Action Plan. Upon their return, they remade the action plan to be focused on one aspect as Establish PM10 and NOx Monitoring Site. After that, they asked JESC assistance for technical guidance for the

action plan. JICA and JESC decided to support this Action Plan for JICA Follow-up Project in JFY2011.

Phnom Penh City has high motorization for economic growth smoothly and the motorcycles have been increasing in recent years. Therefore, Air pollution problems have been caused by motorcycles and a traffic jam. It is predicted that the number of cars increases year by year. It is important to measure air quality on roadside for policy making countermeasures against air pollution.

Term of the Follow-up Project was from Nov. 2011 to Mar.2012 and three times missions were dispatched to Cambodia to provide technical guidance for conducting

the action plan. Content of JICA Follow-up Project for Cambodia has four items.

- 1) To provide technical guidance for implementing the action plan
- 2) To implement on-site training of air quality monitoring at the roadside
- 3) To implement seminars
- 4) To prepare guidelines on air quality monitoring of the roadside (written in Khmer and English)

Technical assistance provided by the Japanese side was Measurement of NO<sub>x</sub> (NO, NO<sub>2</sub>) by the sampler of molecule diffusing method and Measurement of PM<sub>10</sub> by the sampler of gravimetric method.

Members of dispatched team were following the three experts.

- Team leader : Iwao YAJIMA (JICA Expert)
- Technical supervision (measurement and analysis) : Katsuyuki TAKAHASHI (Director, Environmental Research Division, Environmental Science Dept. JESC)
- Management of training : Masumi FURUSAWA (Senior Adviser, Training and Public Relations Dept, JESC)

Further more, Mr.Taizo YAMADA and Ms.Yuko SOMEYA participated in the third dispatched team for evaluation and support of the dispatched team.

Based on the technical guidance of the action plan, expected outcomes from the follow-up project were following and all targets were achieved.

- 1) To implement capacity assessments on the basis of air quality analysis.
- 2) To continue air quality monitoring which is capable of measuring in a sustainable manner through the utilization of existing measuring equipments and implementation of technical guidance on NO<sub>x</sub>, PM<sub>10</sub> measuring technologies.
- 3) To become capable of collecting basic information of air quality in Cambodia.

(Masumi FURUSAWA)



Running so many motorcycles



PM<sub>10</sub> sampler at back-ground site



NO<sub>x</sub> Sampler at NO<sub>2</sub> sampling point



view of seminar

## JESC conducted seven JICA training courses in FY2011

We have implemented seven JICA training courses contracted by JICA, having eighty-six participants from twenty three countries. The courses are ‘Comprehensive Solid Waste Management and the 3Rs’ (Jun.14-July 30,2011), ‘Counterpart Training for The Project for Capacity Development of Wastewater Sector through Reviewing the Wastewater Management Master Plan in DKI Jakarta’ (Jun.5-Jun.11, Jun.20-July7, 2011), ‘Hazardous Waste Management and Appropriate Disposal for Asia’ (July5-Aug.6, 2011), ‘Waste Management Technologies and 3R for Central and South American

Countries’ (Aug.9-Sep.22,2011), ‘Water Environment Monitoring’ (Sep.4-Oct.22,2011), ‘Environmental Policy Implementation in Indonesia’ (Dec.11-Dec.24, 2011), ‘Air Quality Management Policy (Jan.10-Feb.25, 2011). We hope participants could improve their respective situations utilizing knowledge and information obtained in the training and keep good memories about Japan. We are looking forward to seeing participants again.

(Takashi MIYAGAWA)



## Management of Disaster Waste Generated Accompanied with Tohoku-Region Pacific Coast Earthquake, Follow-up Report

More than one year has past since the tremendous earthquake broke out. Time passes so fast like an arrow. Approximately 20 thousand people were killed and disaster wastes which exceeded 20 million tons were generated mostly by the tsunami. It is truly sad that so many people were seriously suffered from the disaster but we are required to recover the society and move forward. Solving the disaster problem is the first step of restoration.

Japan Environmental Sanitation Center, JESC, has worked last 13 months closely together with the Ministry of the Environment Japan and continuously took various actions not to contribute only to suffered areas but give technical assistances to local governments and some other sectors which were making efforts to solve the related problems.

For instance, the assistance team which was set in JESC head quarter provided timely advices and recommendations to various inquiries, the planning department produced international conferences and seminars such as “3R Conference for Asian Local Governments” in which countermeasures to disaster wastes were discussed beyond national borders. The environmental engineering department dispatched 10 engineers to the suffered areas as members of the MoE assistance teams and also assisted local governments which tried to accept disaster waste generated in the tsunami-stricken areas. The training and

public relation department set up the lecture courses to grow technicians to clear up the matters contaminated with radio active substances.

As to on-site, all the disaster wastes have removed from the living environment and transported to primary storage yards following the MoE guidelines. Temporary facilities to process disaster wastes are also constructed in some secondary storage yards and recently started operations.



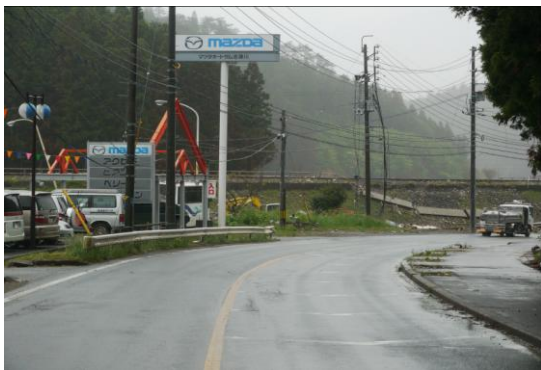
Ishinomaki city Miyagi Pref, 15<sup>th</sup> March 2011



Same place of the above picture, 6<sup>th</sup> July 2011



Minami-sanriku town, Miyagi Pref. 12<sup>th</sup> March 2011



Same place of the above picture, 29<sup>th</sup> May 2011

wastes disposal founding the situation. One is the law which enables the national government to dispose of the disaster wastes in lieu of local governments in case they have serious difficulty to process the wastes. The other is the law which the national government disposes of the wastes in which radio active substances exceed specified concentration.

We, staff of JESC, are very pleased that we could have completed various tasks such as JICA training courses, international conferences and technical assistances to the sectors which are developing international activities as well as previous years meanwhile JESC played an important role to cope with disaster wastes. We believe that our new challenges enrich our future activities and will provide you with more significant information. We look forward to seeing you again.

In addition, two special countermeasure laws were newly enacted to accelerate disaster

(Shoichi HAYAMI)

## Editor's Comment

Hi friends, how are you? We are very happy to send you all the JESC-News No.14 here. This news includes 4 articles and 2 mails from our foreign friends.

### **Article 1: The 4<sup>th</sup> 3R conference for Asian local governments**

This is a very important conference to make relationship among Asian local governments sponsored by JESC. In order to promote spreading 3R movement over Asian countries, we discussed and exchanged our experiences. I hope my friends who are working for 3R-promotion in their own cities will attend this conference with successful results near

future.

### **Article 2: Soft follow-up**

I am sure your action plans have been going well in your city or town.

If you are weary and feeling small in your project, please send us SOS.

As you know JICA has a scheme to help you in order to proceed your action plans.

One of follow-up activities by JESC is reported by Furusawa in this paper.

This is a typical example of such a scheme. We are always ready to assist you.

### **Article 3: Training course**

We had many participants for various

training courses held by JICA and JESC last year. They all worried about the damages caused by tsunami and earthquake. Many friends send us e-mails showing their prayers for us to recover soon and they said they are always with us. I would like to express our thanks to those heartfelt and encouraging mails.

**Article 4: Recovery Works from the damage of tsunami and earthquake**

We JESC are now working for recovery projects together with the central government especially MOE Japan. Mr. Hayami described the article related to the treatment of disaster wastes. Recently many undamaged local governments decided to accept the disaster wastes generated by tsunami and earthquake in order to help the damaged local governments recover as soon as possible.

<Japanese language corner>

I would like to present you three of my favorite Japanese words.

They are, shinrai ,kichomen and sayonara

Shinrai (信頼) : reliability

Kichomen (几帳面) : precise , a man of methods

Sayonara (さよなら) : good by , see you

Here are some of my memo citing phrases from my favorite Japanese pop songs

“Sayonara is not a sad word.

It is a yell to connect with each other’s dream  
Holding the memory while we lived together,  
we have just jump to fly up alone into next sky.”

(Hideaki FUJIYOSHI)

Mr. Miyagawa



Dr. Fujiyoshi



Ms. Nakamura



Ms. Matsumura



Mr. Hayami



Mr. Furusawa

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