

ReSAGPAPR WG Newsletter

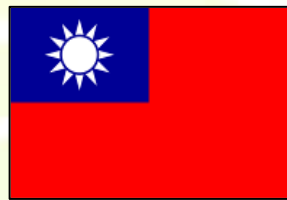
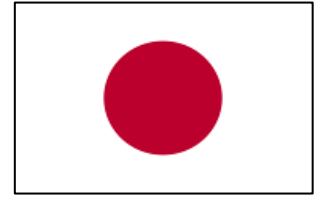
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Member Countries



Chairman of ReSAGPAPR WG



Dr. Tsair-Fuh Lin

Chairman, Working Group on the Remediation of Soil and Groundwater Pollution of Asian and Pacific Region

Distinguished Professor, Groundwater and Drinking Water Laboratory, Department of Environmental Engineering, National Cheng Kung University

Chief Executive Officer, NCKU Research and Development Foundation

Program of 8th Business Meeting of ReSAGPAPR WG

Date: December 3 (Monday), 2018

Venue: No. 9 meeting room, Shangri-La's Far Eastern Plaza Hotel, Tainan

Prof. Dr. Tsair-Fuh Lin, Chairman of WG ReSAGPAPR

Time	Topic
09:00-09:15	Registration
09:15-09:30	<ul style="list-style-type: none">• Opening Ceremony• Prof. Zueng-Sang Chen, Former Chair, ReSAGPARP• Prof. Tsair-Fuh Lin, Chair, ReSAGPARP• Dr. Weber Chen, Executive Director, Soil and Groundwater Remediation Fund Management Board, Taiwan EPA
09:30-09:35	Group Photo
09:35-10:20	<p><i>Reports from the Secretariat:</i></p> <ol style="list-style-type: none">1. Introduction of the arrangement of the Training courses to be held in March, 2019 in Tainan and discuss on the selection of participating members.2. Two workshops and phase I ESA sponsored by TEPA will be held in two WG ReSAGPAPR member countries in 20193. Revision of the news on the website of Working Group of ReSAGPAPR and provision of more items, especially including activities and exchange information from MOU between country members.
10:20-10:40	Coffee Break
10:40-11:50	Members reporting - Country Reporting in 2017-2018: Australia, Indonesia, Korea, Malaysia, New Zealand, Taiwan, Thailand, Vietnam (In alphabetical order of Country)
11:50-12:00	Discussion on the actions for more interactions/collaborations among members
12:00-12:05	Closing Ceremony
12:05-13:30	Lunch

Minutes of 8th Business Meeting of ReSAGPAPR WG

Date: December 3 (Monday), 2018

Venue: No. 9 Meeting room, Shangri-La's Far Eastern Plaza Hotel, Tainan

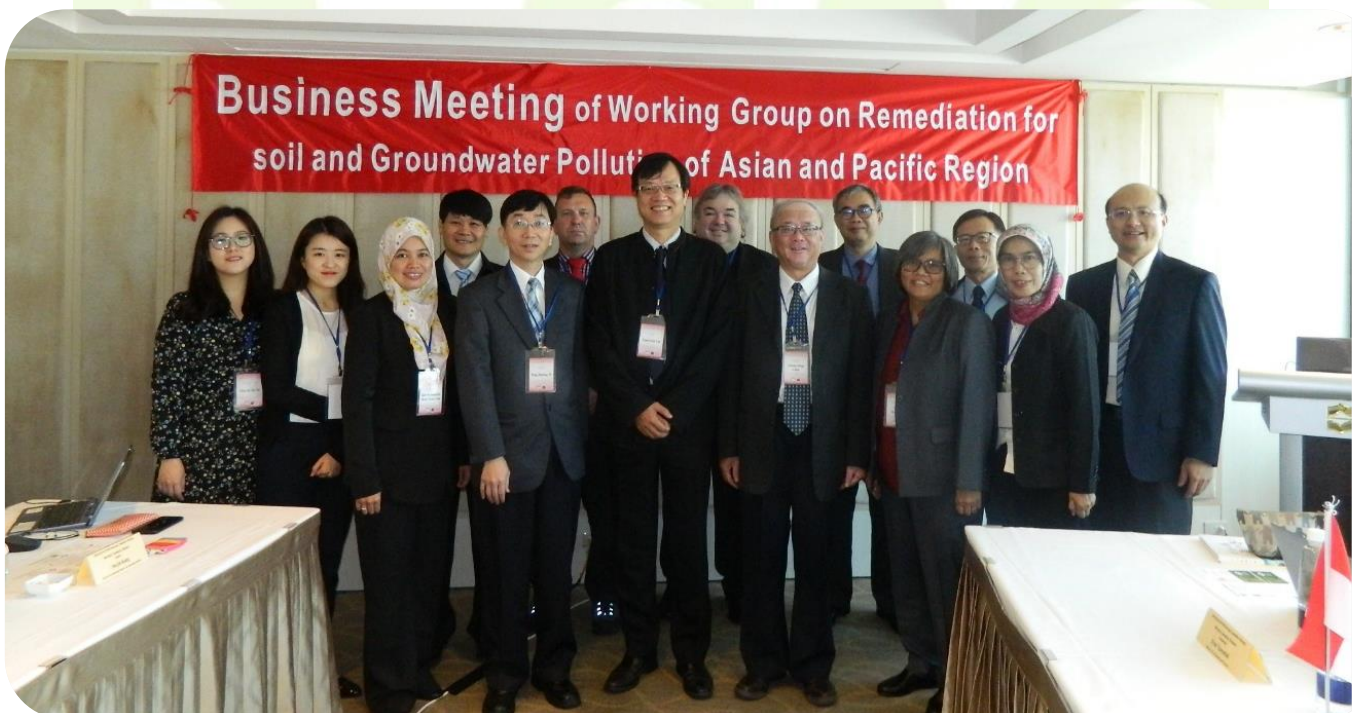
Chair: Prof. Dr. Tsair-Fuh Lin, Chairman of WG ReSAGPAPR

Participating Members:

Mr. Andrew Pruszinski (Australia), Ms. Melda Mardalina (Indonesia),
Mrs. Erini Yuwatini (Indonesia), Ms. Mok-Ryun Yu (Korea),
Ms. Su-jin Kang (Korea), Ms. Ijan Khushaida Binti Mohd Jan (Malaysia),
Mr. Bruce Croucher (New Zealand), Dr. Tsai-Fuh Lin (Taiwan),
Prof. Zueng-Sang Chen (Taiwan), Mr. Ping-Hsiung Ni (Taiwan),
Dr. Ching-Jen Ho (Taiwan), Dr. Hao-Chun Hung (Taiwan),
Dr. Chih Huang (Taiwan), Dr. Warapong Tungittiaplakorn (Thailand)

Absent with apologies:

Dr. Harendra Kharkwal (India), Dr. Masanori Kobayashi (Japan),
Atty. Jonas R. Leones, CESO I (Philippines), Mr. Vinh Thanh Hoang (Vietnam)
Mr. Tennakoon Mudiyansele Anuruddha Tennakoon (Sri Lanka),



Minutes of 8th Business Meeting of ReSAGPAPR WG (Continued)

A. Reports from the Secretariat:

1. Introduction of the arrangement of the Training courses to be held in March, 2019 in Tainan and discuss on the selection of participating officers.
2. Two workshops and phase I ESA studies sponsored by Taiwan EPA will be held in two WG ReSAGPAPR member countries in 2019.
3. Revision of the news on the website of Working Group of ReSAGPAPR and provision of more items, especially including activities and exchange information from MOU between country members.

B. Members reporting (In alphabetical order):

Australia, Indonesia, Korea, Malaysia, New Zealand, Taiwan, Thailand, Vietnam

C. Discussion on the actions for more interactions/collaborations among members

1. Discussion on Conference Call frequency
2. More interactions among members by using social media

D. Follow-up Actions & Responsibilities:

For A1): The training courses will be held in March 18-23, 2019. Taiwan EPA would like to ask each member country to recommend three officers in charge of business related to soil and groundwater for the participation of the training courses in Tainan, Taiwan. Taiwan EPA will select two of the nominees of each country and support them with a round-trip economy-class airfare and accommodation from March 17 to 23 (7 nights) to join this training courses. As suggested by member countries, emergency response relevant regulations and actions will be emphasized and included in the training courses.

For C1): The Conference Call will be held once every 6 months and the Secretariat will draft the topics for discussion prior to each conference call. Each member is asked to identify a contact person in charge of the Conference Calls and Yearly Business Meeting.

For C2): Facebook will be the major social media for more interactions among members. The Secretariat will create a Facebook Group and all members will be invited to join the group.

Interesting Sidelights:

8th Business Meeting of ReSAGPAPR WG



Mr. Ping-Hsiung Ni (Taiwan)



Mr. Andrew Pruszinski (Australia)



Ms. Melda Mardalina (Indonesia)



Ms. Mok-Ryun Yu (Korea)

Interesting Sidelights:

8th Business Meeting of ReSAGPAPR WG (Continued)



Ms. Ijan Khushaida Binti Mohd Jan
(Malaysia)



Mr. Bruce Croucher (New Zealand)



Dr. Hao-Chun Hung (Taiwan)



Dr. Warapong Tungittiplakorn (Thailand)

Interesting Sidelights: Technical Tour at Tainan Hydraulics Laboratory & Sustainable Environmental Research Laboratories, National Cheng Kung University



Tainan Hydraulics Laboratory:
Super Wave Flume



Tainan Hydraulics Laboratory:
Super Wave Flume



Sustainable Environmental Research
Laboratories: Waste Treatment Plant



Sustainable Environmental Research
Laboratories: Waste Treatment Plant

Interesting Sidelights: Welcome Dinner



Welcome Remark by Dr. Weber Chen, Executive Director,
Soil and Groundwater Remediation Fund Management Board,
Environmental Protection Administration, Taiwan



Discussion during dinner time

Interesting Sidelights: Site Visit to Linya-Liao, Kaohsiung



Site Briefing



Discussion



Site Tour



Soil Washing



On-site Introduction



On-site Introduction

Interesting Sidelights: Asia's New Bay Area



Site Introduction



Site Introduction



Site Introduction



Overlook of the Contaminated Site



Group Photo at Kaohsiung Main Public Library

Interesting Sidelights: Culture Tour



Lunch at 85 Sky Tower
(Chao-Jiang Cuisine)



Visiting Fo-Guang-Shan Buddha Museum



Brief Introduction to Buddhism



Culture Tour



Group Photo at the
Eightfold Path



Group Photo in front of the
Fo-Guang Big Buddha

Program of 2018 International Workshop: Investigation and Mitigation of Vapor Intrusion

Date: December 5-6, 2018

Venue: International Conference Hall (1st Lecture Room), Kuang-Fu Campus,
National Cheng Kung University (No.1, University Road, Tainan City)

DAY 1			
Wednesday, 5 December 2018			
Time	Duration (min)	Topic	Speaker
09:00 – 09:30	30	Registration	
09:30 – 09:45	15	Opening Remarks	Taiwan EPA
09:45 – 10:15	30	Introduction to Vapor Intrusion ■ EPA's Experience with Vapor Intrusion	Alana Lee
10:15 – 10:45	30	Conceptual Site Model (Part 1) ■ Sources of Vapor Intrusion (Groundwater / Soil Vapor / Potential Pathways) ■ Examples of EPA Vapor Intrusion Sites	Alana Lee
10:45 – 11:00	15	BREAK	
11:00 – 11:30	30	Conceptual Site Model (Part 2) ■ Chemistry and Physics of Vapor Intrusion ■ Building Type, Construction, and Use	Mathew Plate
11:30 – 12:15	45	■ Vapor Intrusion Guidance, Resources, and Regulatory Framework ■ Health Risk Evaluation and Screening Levels	Alana Lee
12:15 – 13:30	75	LUNCH	
13:30 – 14:15	45	Screening Sites and Buildings for Vapor Intrusion ■ Prioritizing Sites for Screening ■ Multiple Lines of Evidence	Mathew Plate
14:15 – 14:45	30	Planning Vapor Intrusion Investigations	Mathew Plate
14:45 – 15:00	15	BREAK	
15:00 – 15:45	45	Community Relations and Access	Alana Lee
15:45 – 16:45	60	Sampling and Analytical Methods ■ Air, Soil Vapor, Pathway, Flux Chamber ■ Field Analytical and Laboratory Methods	Mathew Plate
16:45 – 17:15	30	Questions and Discussion	All
17:15	-	Day One Concludes	

Program of 2018 International Workshop: Investigation and Mitigation of Vapor Intrusion (Continued)

Date: December 5-6, 2018

Venue: International Conference Hall (1st Lecture Room), Kuang-Fu Campus,
National Cheng Kung University (No.1, University Road, Tainan City)

DAY 2			
Thursday, 6 December 2018			
Time	Duration (min)	Topic	Speaker
09:00 – 9:15	15	Re-cap of Day One / Introduction to Day Two	Alana Lee
09:15 – 10:15	60	Indicators, Tracers and Surrogates	Alana Lee
10:15 – 10:30	15	BREAK	
10:30 – 11:45	75	Sampling Strategies <ul style="list-style-type: none"> ■ Sampling design spatial, temporal, duration ■ Supporting data pressure, temperature, ventilation 	Mathew Plate
11:45 – 13:00	75	LUNCH	
13:00 – 13:30	30	Residential Building Investigation Strategy	Alana Lee
13:30 – 14:00	30	Commercial/Industrial Building Investigation Strategy	Mathew Plate
14:00 – 14:30	30	Future Building Investigation Strategy	Alana Lee
14:30 – 15:00	30	Vapor Intrusion Data Evaluation (Background Sources)	Mathew Plate
15:00 – 15:15	15	BREAK	
15:15 – 16:00	45	Mitigation and Remediation	Mathew Plate
16:00 – 16:30	30	Institutional Controls and New Building Construction	Alana Lee
16:30 – 17:00	30	Questions and Discussion – Recap	All
17:00	-	Workshop Ends	

International Workshop: Invited Speakers

Alana Lee has served as a Project Manager in the Superfund Division at U.S. EPA Pacific Southwest Region (Region 9) for over 20 years. Ms. Lee co-leads and actively participates in U.S. EPA vapor intrusion technical, policy and guidance workgroups and training, and serves as a resource to environmental agencies and practitioners working on sites with potential vapor intrusion issues. For the past 17 years, Ms. Lee has been managing several vapor intrusion sites in California, where regional shallow trichloroethylene (TCE) groundwater contamination is being actively cleaned up, vapor intrusion investigations are being conducted, and preferential migration pathways are being investigated. Response actions are being implemented on properties planned for residential and commercial redevelopment that include engineering controls, institutional controls, and monitoring to address the subsurface vapor intrusion pathway. Ms. Lee has a B.S. in Chemical Engineering from the University of California Los Angeles and a M.S. in Environmental Management from the University of San Francisco.

Mathew Plate is an Environmental Scientist with the U.S EPA Region 9 in San Francisco, California. Mr. Plate has over 25 years of experience in the field of environmental monitoring and chemistry. For the past 20 years, he has served as an U.S. EPA expert on environmental monitoring, organic analytical chemistry, air sampling, and vapor intrusion. He routinely provides technical support to environmental monitoring and research projects that primarily involve vapor intrusion and/or ambient air monitoring. Mr. Plate has contributed to U.S. EPA guidance for sampling and analysis of pollutants in ambient air and vapor intrusion as well as guidance for the evaluation and assessment of environmental projects and data. Mr. Plate has a B.S. in Biological Science from the University of California Irvine.

Mr. Plate and Ms. Lee have lead vapor intrusion research projects assessing and developing monitoring techniques that are practical, cost-effective, and improve our understanding of subsurface contaminant vapor intrusion transport from the subsurface into buildings.

Interesting Sidelights: International Workshop



Group Photo of the Speakers and Honorable Guests



Opening Remark by Deputy Executive
Director Ping-Hsiung Ni



Opening Remark by Prof. Tsair-Fuh Lin

Interesting Sidelights: International Workshop (Continued)



Invited Speaker: Mr. Mathew Plate



Invited Speaker: Ms. Alana Lee



Questions and Discussion



Questions and Discussion



Workshop in Progress



Workshop in Progress