

DAY 1 : 26th NOVEMBER 2024 (Tuesday)				
Venue	Time	Event		
Room 6A	8.30 AM	OPENING CEREMONY		
	10.30 AM	Tea Break		
SESSION 1				
Room 6A	11.00 AM	Keynote Session 1 YBr. Ir. Huzaini Bin Husain Timb. Ketua Pengarah SP&P JPP Pengurusan Enap Cemar Dalam Hasrat dan Visi PETRA Melalui Transformasi Air dan Inovasi Main Hall		
Breakout Session				
Room 6A	Chairperson: YM Raja Baharudin Bin Raja Mamat Rapporteur: Hj. Hamzah Bin Dahli / En. Mohd Yusli Nasrin Bin Sani Time Keeper: Cik Nur Aina Sofea Binti Ab Ghani			
	Sub-tema : Tadbir Urus Dan Model Perniagaan, Polisi Alam Sekitar Dan Perundangan Alam Sekitar, Rawatan Air Sisa Kumbahan Dan Teknologi Tanpa Korekan, Inovasi Hijau			
	Time	Paper ID	Presenter	Title
	11.20 AM	GB-02	Dr. Radin Zulhazmi Bin Radin Abdul Halim	The National Sewerage Action Plan: A Strategic Framework For Resilient And Sustainable Sewerage
	11.40 AM	GB-01	Mrs Wan Nihayah Binti Wan Hussin	Pengurusan Aset Pembetulan: Cabaran Dan Halatuju
	12.00 PM	TT-05	Mr. François Saucier	H2s Corrosion Protection of Wastewater Concrete Assets: Technical Performance and Environmental
	12.20 PM	NS-01	Ts. Chan Sook Huei	Public Private Partnership in Malaysia Sewerage Sector: Challenges and The Way Forward
	12.40 PM			
	1.00 PM	LUNCH BREAK		
SESSION 2				
Room 6B	2.00 PM	Keynote Session 2 YBhg. Dato' Ir. Mohd Zaki Bin Mat Amin Ketua Pengarah NAHRIM Research Directions in Current and Future Challenges of Climate Change Towards AIR 2040 Main Hall		
Breakout Session				
Room 6A	Chairperson: MATT Ch'ng Pei Rou Rapporteur: Ir Cynthia Jimmy Jinikol / Aiman Nabilah Binti Mohd Nor Arman Time Keeper: Cik Ayu-Idzuanis Binti Ruslan			
	Sub-tema : Tadbir Urus Dan Model Perniagaan, Polisi Alam Sekitar Dan Perundangan Alam Sekitar, Rawatan Air Sisa Kumbahan Dan Teknologi Tanpa Korekan, Inovasi Hijau			
	Time	Paper ID	Presenter	Title
	2.30 PM	TT-09	Mr. Abolfazl Khalafi	Understanding Pipeline Failures: Elements, Impacts And Strategies For Reducing Non-Revenue
	2.50 PM	GB-01	Mr. Iwan Nazri Bin Mohd Nordin	Sewerage Catchment Plan Regulatory Framework
	3.10 PM	WT-02	Ir.Ts. Noor Zarina Binti Mohd Nazir	Enhancing Water Security Through a Modular Approach: Decentralised Wastewater Reclamation and Reuse Using Mobile Constructed Wetland
	3.30 PM	TT-13	Mr. Faizal Bin Othman	Introduction to the Malaysia Association for Trenchless Technologies
	3.50 PM	WT-01	Ir. Jeffrey Too Heng Yuen	Aerobic Granular Sludge Technology: Advancing Energy Efficiency and Sustainability in Sewage Treatment
	4.10 PM	NS-02	Mr. David K. B Yap	Design Principles and Performance Requirements of Odour Control Systems in Compliance to SPAN TS3009:2022
	4.30 PM	TT-03	Ts. Desanan Krishnan	Trenchless and Structure Solution in Asia
5.00 PM	Tea Break & End of Day 1			

DAY 2 - 27th November 2024 (Wednesday)				
SESSION 3				
Venue	Time	Event		
Room 6B	8.30 AM	Keynote Session 3 YBrs. Ir. Hj. Sulaiman Bin Kamisan Pengarah JBA Keterjaminan Bekalan Air Main Hall		
Breakout Session				
Room 6A	Chairperson: Ir. Mustafa Kamal Bin Yed Rapporteur: Pn. Shareeza Binti Saad / Cik Nurul Azmina Binti Adzhar Time Keeper: Mrs. Norlaili Binti Sharoni			
	Sub-tema : Rawatan Air Sisa Kumbahan, Pengurusan Enapcemar Yang Mampan Dan Teknologi Tanpa Korekan, Inovasi Hijau			
	Time	Paper ID	Presenter	Title
	9.00 AM	WT-04	Mr. Mohd Kamarul Ehsan Bin Hasan	Introduction of Kubota MBR Technology (Flat Sheet Membrane)
	9.20 AM	TT-04	Miyabi Tomikawa	Kubota's Trenchless Pipeline Construction Method
	9.40 AM	WT-06	Ir. Ts. Neo Boon Kheng	Underground Wastewater Treatment Plant: Minimizing Environmental Impact and Optimizing Urban Space
	10.00 AM	TT-10	Ms Punita Nook Naidu	Empowering River Resilience Through Data
	10.20 AM	NS-05	P.Geol, Ahmad Zulqurnain Ghazali	Geological Insights and Challenges In Pipeline Development Through Limestone Terrains: Key Lessons And Strategic Recommendations
	10.40 AM	Tea Break		
Breakout Session				
Room 6A	Chairperson: Ir. Mustafa Kamal Bin Yed Rapporteur: Pn. Shareeza Binti Saad / Cik Nurul Azmina Binti Adzhar Time Keeper: Mrs. Norlaili Binti Sharoni			
	Sub-tema : Rawatan Air Sisa Kumbahan, Pengurusan Enapcemar Yang Mampan Dan Teknologi Tanpa Korekan, Inovasi Hijau			
	Time	Paper ID	Presenter	Title
	11.00 AM	SS-01	Ir. Ts. Hajah Norzarina Binti Zakaria	Pre-Commercialization Research on Converting Domestic Biosolids as Biofertilizer (Circular Economy – Case Study)
	11.20 AM	WT-03	Mr. Ahmad Ridzuan Dahari	Optimising Sewage and Sludge Treatment: Advance Bioremediation Using Envaiopro Biocatalyst
	11.40 AM	TT-15	Ms. Noor Hidayah Dato' Sanusi	Trenchless Innovations : The G12 Fibrwrap For Sewer Rehabilitation in Malaysia
	12.00 PM	TT-07	Mr. Frank Reilly	From Seed to Success: Crucial Phases in Delivering Successful Outcomes With Trenchless Rehabilitation of Underground Pipeline Networks
	12.20 PM			
	12.40 PM			
	1.00 PM	LUNCH BREAK		
	SESSION 4			
	2.00 PM	Keynote Session 4 YBhg. Dato' Jeffry Chia Chok Yong (MATT) Bendahari MATT The Future of Infrastructure Innovation and Applications of Trenchless Technologies		
	Breakout Session			
Room 6A	Chairperson: Mr. Zanurin Rauf Bin Abdul Rashid Rapporteur: Mrs Noor Syuhana Binti Saarey @ Ghazali / Cik Nur Aisyah Binti Zainal Abidin Time Keeper: Nor Syuhada Binti Alimi			
	Sub- tema : Pemulihan Sumber (Resource Recovery) dan 30 Tahun JPP dalam Mengguguli Pembangunan Prasarana Pambetungan Negara			
	Time	Paper ID	Presenter	Title
	2.30 PM	GB-03	Mrs. Ainul Rasyidah Ab Rahim	Unlocking The Potential of Wastewater Reclamation and Reuse For Sustainable Water Management in Malaysia
	2.50 PM	TT-11	Ts. Angie Ng Mook Deng	Buried Asset Management - Success Stories in Malaysia Through CIPP and Introduction of Rehabilitation of Pressured Pipe
	3.10 PM	WT-07	Mr. Zulhazmi Elias	Energy and Operational Efficiency in Pumping Operations: Malaysia's Sewage Pumping Station Case Study
	3.30 PM	TT-01	Mr. Hiroshi Sazanami	PVC (Polyvinyl Chloride) Pipe Jacking Method
	3.50 PM	WT-08	Mrs. Siti Fairuz Binti Zainudin	Sustainable Irrigation Solutions: Leveraging Bioeffluent in Aquaponic Systems
	4.10 PM	TT-14	Mr. Sriram Ganesan	Case Study For Rehabilitation of Large Water Mains in Singapore
	4.30 PM			
	5.00 PM	Tea Break & End of Day 2		

DAY 3 - 28th NOVEMBER 2024 (THURSDAY)				
SESSION 5				
Venue	Time	Event		
Room 6A	8.30 AM	Keynote Session 5 YBhg. Datuk Ir. Abdul Kadir Mohd Din Felo / Jawatankuasa Air ASM Transforming Sewage Treatment Plants into Green Energy Hubs: Harnessing Integrated and In Situ Energy Solutions for a Sustainable Future Main Hall		
Breakout Session				
Room 6A	ROOM 6A Chairperson: Ir. Ts. Mohd Iswan Bin Mohd Rodzi Rapporteur: MATT Ahmad Idham Bin Che Man / Abdul Rahim Bin Razaman Time Keeper: Pn. Zamzarina Binti A. Jalil			
	Sub-tema : 30 Tahun JPP Dalam Menggungguli Pembangunan Prasarana Pembetungan Negara Dan Teknologi Tanpa Korekan Inovasi Hijau			
	Time	Paper ID	Presenter	Title
	9.00 AM	NS-07	YM Raja Baharudin Bin Raja Mamat	Evolution of Greentech and Public Amenities Application at Regional Sewage Treatment Plants In Malaysia
	9.20 AM	NS-08	Mr. Mohamad Hatim Bin Ahmad	Kerja-Kerja Membaikpulih Loji Rawatan Kumbahan Dan Rangkaian Paip Pembetungan Di Taman Seri Marina, Kuala Kedah Dan Taman Simpang Empat, Kedah Darul Aman (Abandoned Plant – Case Study)
	9.40 AM	NS-06	Mr. Ruzsikry Shukran Bin Rusnan	The Challenges of Pipe Jacking Work Due to Soil Characteristics At Alor Setar, Kedah
	10.00 AM	Tea Break		
Breakout Session				
Room 6A	Chairperson: Ir. Ts. Mohd Iswan Bin Mohd Rodzi Rapporteur: MATT Ahmad Idham Bin Che Man / Abdul Rahim Bin Razaman Time Keeper: Pn. Zamzarina Binti A. Jalil			
	Sub-tema : 30 Tahun JPP Dalam Menggungguli Pembangunan Prasarana Pembetungan Negara Dan Teknologi Tanpa Korekan Inovasi Hijau			
	Time	Paper ID	Presenter	Title
	10.30 AM	TT-08	Dato' Ir. Ts. Cheng Chin Keong	First Microtunneled Inverted Siphon Sewerage Pipeline In Malaysia
	10.50 AM	RR-01	Ms. Nurin Batrisyia Binti Mohd Faizu	IOT-Based Agricultural Wastewater Monitoring System For Corn Farm
	11.10 AM	RR-02	Ebrahim Honar	Eliminating Pfas And Organic Micropollutants From Sewage Sludge In A Climate And Energy Positive Pyrolysis Process
	11.30 AM	TT-06	Dato' Ir. Ts. Cheng Chin Keong	Microtunnelling towards the Atlantic Ocean
	11.50 AM	TT-02	Mr. Ali Zareh	Tehran Varamin Greywater Transfer Line: Iran's Largest Greywater Transfer Project, A 9 M3/S (775mld) Line To Alleviate Agricultural Water Needs in Varamin Plains
	12.10 PM			
	12.30 PM	CLOSING CEREMONY		
1.00 PM	LUNCH BREAK			

DAY 1 : 26th NOVEMBER 2024 (TUESDAY)				
Venue	Time	Event		
Room 6A	8.30 AM	OPENING CEREMONY		
	10.30 AM	Tea Break		
SESSION 1				
Room 6A	11.00 AM	Keynote Speaker 1 Ir. Huzaini Bin Husain TKP SP&P <i>Pengurusan Enap Cemar Dalam Hasrat dan Visi PETRA Melalui Transformasi Air dan Inovasi</i>		
Breakout Session				
Room 6B	Chairperson: Ir. Ts. Gs. Dr. Safari bin Hj. Mat Desa Rapporteur: Ts. Dr. Ahmad Farhan Hamzah Time Keeper: ChM. Dr. Nur Izzati Md Saleh			
	Time	Paper ID	Presenter	Title
	11.20 AM	WS-02	Dr. Mohd Khairul Nizar Bin Shamsuddin, PGeol (NAHRIM)	Artificial Recharge of Groundwater by Injection Well
	11.40 AM	WS-05	Dr. Zarimah Mohd Hanafiah (UKM)	Occurrence Psychiatric Pharmaceutical Residues in the Malaysian Sewage
	12.00 PM	AT-08	Mohd Kamarul Huda (NAHRIM)	Rock Revetment Stability and Overtopping Assessment Through Physical Modelling
	12.20 PM	AT-02	Muhammad Azroie bin Mohamed Yusoff (NAHRIM)	NAHRIM Solutions: Revolutionizing Water Quality Monitoring with Locally Developed Sensors
	12.40 PM	LUNCH BREAK		
SESSION 2				
Room 6B	2.00 PM	Keynote Speaker 2: YBhg. Dato' Ir. Mohd Zaki bin Mat Amin, Ketua Pengarah NAHRIM Research Directions in Current and Future Challenges of Climate Change towards AIR 2040		
Breakout Session				
Room 6B	Chairperson: Dr. Suriyani binti Awang Rapporteur: Ts. Dr. Mohammad Fikry bin Abdullah Time Keeper: Ts. Naim Shauqi Mohd Noor			
	Time	Paper ID	Presenter	Title
	2.30 PM	PL-02	Ts. Mohd Fadhil bin Kasim (NAHRIM)	Evaluating and Enhancing Raw Water Value: A Pathway to Sustainable Water Resource Management in Malaysia
	2.50 PM	AT-01	Dr. Effi Helmy Ariffin (UMT)	Eco-friendly Approach on Sand Dune Restoration in Micro-Tidal Beach
	3.10 PM	AT-04	Ir. Liew Yuk San (NAHRIM)	Non-Destructive Testing (NDT) for Hydraulic Structures Monitoring
	3.30 PM	WS-06	Muhammad Hanafi bin Hamid (NAHRIM)	Preliminary Study on The Inverse Distance Weighting (IDW) Method Using R For Rainfall Data Estimation: A Case Study of Perlis, Malaysia
	3.50 PM	PL-01	Hj. Haizam Irwan bin Toha (LUAS)	Kawalan Pelepasan Sisa ke Dalam Sungai Melalui Penguatkuasaan Undang-Undang
	4.10 PM	AT-05	Muhammad Faiz bin Mohamad Jaafar (NAHRIM)	Automatic Water Drip Irrigation Technique as Smart Agriculture Monitoring System
	4.30 PM	WS-04	Dr. Khairul Anuar Mohamad (NAHRIM)	An Analysis of Salinity Intrusion using One Dimensional Empirical Model for Dungun's Shallow Water Estuary
	4.50 PM	WS-11	Azrul Normi Idris (NAHRIM)	Dynamic Visualisation of A 3D Hydrogeological Conceptual Model to The Participatory Management Of Groundwater Resources in Melaka.
	5.30 PM	Tea Break & End of Day 1		

DAY 2 - 27th November 2024 (WEDNESDAY)				
Venue	Time	Event		
SESSION 3				
Room 6B	8:30 am	Keynote Speaker 3: YBrs. Ir. Hj. Sulaiman bin Kamisan, Pengarah Jabatan Bekalan Air (JBA) Keterjaminan Bekalan Air		
Breakout Session				
Room 6B	Chairperson: Ir. Amirudean Bin Sapiee@Shafiee Rapporteur: Ir. Nurhidayah Binti Anuar/Ir. Amirudean Bin Sapiee@Shafiee Time Keeper: Al Azim Bin Abdullah			
	Time	Paper ID	Presenter	Title
	9:00 am	WS-19	Ir. Dr. Romziah Binti Azit (BBA)	Mainstreaming Climate Change Mitigation and Adaptation in National Water Resources Infrastructures Planning
	9:30 am	AT-12	Ts. Muhammad Afiq Zainuri (Kemakmuran 2000 Sdn. Bhd.)	Harnessing Floating Solar for Sustainable Water Management and Malaysia's Renewable Energy Transition – Strategic Implementation
	10:00 am	AT-03	Ts. Choong Chi Lun, PMP (MSR-GE Sdn. Bhd. / Conextone Energy Sdn. Bhd.)	Harnessing Floating Solar for Sustainable Water Management and Malaysia's Renewable Energy Transition
	10:30 am	Tea Break		
Breakout Session				
Room 6B	Chairperson: Ir. Amirudean Bin Sapiee@Shafiee Rapporteur: Ir. Nurhidayah Binti Anuar/Ir. Amirudean Bin Sapiee@Shafiee Time Keeper: Al Azim Bin Abdullah			
	Time	Paper ID	Presenter	Title
	11.00 AM	WS-08	Ir. Dr. Saravanan Mariappan (Nexus EC Sdn. Bhd.)	Drought Risk Due To Climate Change And Water Resource Management For Smart City Development
	11.30 AM	WS-09	Ir. Hasnizal Bin Hashim (HLA Associates Sdn. Bhd.)	Water Transformation Towards Global Sustainability
	12.00 PM	WS-10	Ir. Gs. Mazura Nor Binti Zulkifli (Dr Nik & Associates Sdn. Bhd.)	Integrating Off-River Storage Systems for Enhancing Water Security and Climate Resilience: A Case Study of TAPS Melaka, Malaysia
	12.30 PM	WS-07	Ts. Naim Shauqi bin Mohd Noor (NAHRIM)	Rainwater Harvesting: Overview and Future Direction
	12.50 PM	WS-20	Dato' Ir. Dr. Hj. Nasehir Khan bin EM Yahaya (NAHRIM)	An Overview of Strategies and Innovations for Adaptation, Sustainability, and Security of Water Resources to Secure the Future
1.10 PM LUNCH BREAK				
SESSION 4				
Room 6A	2.00 PM	Keynote Speaker 4: Dato' Jeffrey Chia Chok Yong Bendahari, Persatuan Teknologi Trenchless Malaysia (MATT) The Future of Infrastructure Innovation and Applications of Trenchless Technology		
Breakout Session				
Room 6B	Chairperson: Ir. Ts. Icahri bin Hj. Chatta Rapporteur: Dr. Noor Haza Fazlin binti Hashim Time Keeper: Muhammad Hanafi bin Hamid			
	Time	Paper ID	Presenter	Title
	2.30 PM	WS - 18	Ir. Azman bin Mat Jusoh (NAHRIM)	Impact of Climate Change: Enhancing Preparedness for Water Security and Mitigating Water-Related Disaster
	2.50 PM	WS-03	Erniza Binti Mohd Johan Jaya (USM)	Heavy Metal Removal from Synthetic Paddy Effluent using Microwave Irradiated Water Spinach Stem Based Activated Carbon
	3.10 PM	WS-12	Ir. Ts. Muhammad Rizal b. Razali (NAHRIM)	Reliability of shoreline delineation between Sentinel-2 and Landsat 8 imagery in determining shoreline evolution for DSAS Method: A case study in Pahang coastline
	3.30 PM	WS-13	Anuar Sefie (NAHRIM)	Evaluation of Groundwater Chemistry and Spatial Variability in Bebar River Basin, Nenasi, Pahang
	3.50 PM	WS-14	Ahmad Shakir Ahmad Saudi (UNIKL)	Assessment of Water Quality and Ecosystem Impacts using Water Quality Index (WQI) And Principal Component Analysis (PCA) at Timah Tasoh Dam, Perlis, Northwest Malaysia
	4.10 PM	WS-01	Ts. ChM. Norbaya Hashim (NAHRIM)	Occurrence of Endocrine Disrupting Chemicals (EDCs) in Selangor River basin, Malaysia
	4.30 PM	AT-13	Ts. Ir. Ahmad Hadi bin Mohamed Rashidi (NAHRIM)	Pantai Nan Hilang : Bagaimana Warisan Kita kepada Anak Cucu?
	4.50 PM	PL-03	Ts. Amiruddin Abdul Kadir (UKM)	Evolutionary Governance in Integrated Water Resource Management: Addressing Contemporary Issues and Challenges in the Langat River Basin
	5.10 PM	Tea Break & End of Day 2		

DAY 3 - 28th November 2024 (THURSDAY)				
Venue	Time	Event		
SESSION 5				
Room 6A	8.30 AM	Keynote Session 5 YBhg. Datuk Ir. Abdul Kadir Mohd Din Fellow of Academy of Science Malaysia (FASc) Transforming Sewage Treatment Plants into Green Energy Hubs: Harnessing Integrated and In Situ Energy		
Breakout Session				
Room 6B	Chairperson: Ismail bin Tawnie Rapporteur: Dr. Thian Shiaw Yin Time Keeper: Muhammad Faiz bin Mohamad Jaafar			
	Time	Paper ID	Presenter	Title
	9.00 AM	AT-10	Associate Prof. Ir. Dr. Mohd Sayuti Bin Ab Karim (UM)	Harnessing the Power of Ocean Waves: Wave Energy Converter 2.0
	9.20 AM	AT-11	Nurlailah Abdillah (NAHRIM)	The potential use of existing water quality standard as water quality target for TMDL in Malaysia
	9.40 AM	AT-09	Mohd Syazwan Faisal Bin Mohd (NAHRIM)	From Data Scarcity to Insight: Modeling Ungauged Watersheds with SWAT
	10.00 AM	WS-21	Dr. Siti Nurhidayu Abu Bakar (UPM)	Forest Hydrology: A Key Strategy for Leading Water Security Against Climate Change Through Upstream Conservation and Adaptive Management
	10.20 AM	Tea Break		
Breakout Session				
Room 6B	Chairperson: Ts. Saiful Bahari bin Hamzah Rapporteur: Dr. Thian Shiaw Yin Time Keeper: Muhammad Faiz bin Mohamad Jaafar			
	Time	Paper ID	Presenter	Title
	10.50 AM	WS-17	Mohammad Nazri Bin Ebrahim (UKM)	Isotopic Analysis in Bernam River to Assess Seawater Intrusion in Bagan Terap Paddy Fields
	11.10 AM	WS-16	Ang Shin Yin (NAHRIM)	Pollutants Removal Efficiency from Domestic Sewage in Batch Mesocosm Constructed Wetlands using Tropical Wetland Plants
	11.30 AM	WS-15	ChM. Dr. Nur Izzati binti Md Saleh (NAHRIM)	Evaluating the Environmental Impact of Aquaculture Effluents in Malaysia: Challenges and Opportunities
Room 6A	12.30 PM	CLOSING CEREMONY		