

15.35 - 16.05 Afternoon Tea and Poster Viewing - Hall L

The second second 1.5	OGRAM								
Sunday, 15	September 2024								
8.00 - 1700	Exhibition and Poster Display Build, Hall L								
09:00 - 12:30	Workshop 1  City Room 1		Workshop 2  City Room 2		Workshop 3  City Room 3		Workshop 4  City Room 4		Workshop 5  Room LB1
	Advances in PFAS Analytical Chemistry, Data Interpretation, and Effective Management of PFAS in Groundwater		Site Characterization, Mass Flux, Incremental Sampling Methodology, Artificial Intelligence in Site CleanUp, and Balancing Legacy and Emerging Contaminants In Site CleanUp		Human Health Risk Assessment – the How to Guide		Data and PFAS Analytics – AI Approach and Case Studies		Faster, Better, Cheaper: Risk-Bas Investigation and Remediation 8.00am)
13:30 - 17:00	Workshop 1 Confinued  City Room 1		Workshop 2 Confinued  City Room 2		Workshop 3 Continued  City Room 3		Workshop 6  City Room 4		
	Advances in PFAS Analytical Chemistry, Data Interpretation, and Effective Management of PFAS in Groundwater		Site Characterization, Mass Flux, Incremental Sampling Methodology, Artificial Intelligence in Site CleanUp, and Balancing Legacy and Emerging Contaminants In Site CleanUp		Human Health Risk Assessment – the How to Guide		ASBestos-IN-Soil (ASBINS) Master Class		
15.00 - 18.00 17.30 -18.30	Registration Foyer M Speaker Support, Foyer M Welcome drinks, Foyer M								
Monday 1	September 2024								
	ition and Poster Displays Open, Hall L								
7:30 Spea	ker Support, Foyer M tration Open, Foyer M								
OFFICIAL CONFE	RENCE OPENING								
Hall N 8.45 - 9.00 <b>Tradit</b>	ional Welcome to Country Ceremony								
	al Conference Opening & Welcome								
			ne Health: Uncovering the impact of pollution Food and Agriculture Organization of the Uni						
	al Soil Partnership and Its Technical Network								
	ing Tea and Poster Viewing - Hall L								
CONCURRENT SE	SSION 1								
	Session 1A PFAS Analytics	П	Session 1B PFAS Fate and Transport		Session 1C Advances in Site Characterisation and Implications to		Session 1D Recent Advances in		Session 1E Environmental
10.45 - 12.15	Chair: Dr Feng Shi	-	Chair: Dr Charles Newell		Conceptual Site Models  Chair: Dr Alvin Lal		Remediation Technologies  Chair: Prof Ming Hung Wong		Guidance  Chair: Laureate Professor Ravi Naidu
	Deputy Chair: Ms Nipuni Welivitiya Hall N	-	Deputy Chair: Jens Blotevogel  City Room 1		Deputy Chair: TBC  City Room 2		Deputy Chair: Dr Mezbaul Bahar  City Room 3		Deputy Chair: Dr Jussi Reinikainen  City Room 4
10.45.11.00		П	FATE AND TRANSPORT OF PFAS CONSIDERING				S.1, 11551115		J.,
10:45 - 11:00 259	NONTARGET SCREENING FOR PFAS: A DETAILED LOOK BEHIND THE SCENES OF CONTAMINATED SITES, Prof. Christian Zwiener University of Tuebingen	293	BOTH PER- AND POLYFLUOROALKYL SUBSTANCES, FLUOROSURFACTANT PHYSICAL CHEMISTRY AND MULTIPLE BULK USES, Dr Ian Ross, CDM Smith	193	HIGH RESOLUTION SITE CHARACTERISATION AND IMPLICATIONS TO CONCEPTUAL SITE MODELS, Dr Jonás García-Rincón, Legion Drilling	308	EMERGING TECHNOLOGIES FOR CONTAMINATED SITES, Mengfang Chen, Chinese Academy of Sciences	300	LEGACY CONTAMINATION: EPA PERSPECTIVE, Dr Lee Miezis, EPA
11.15 - 11.30 67	NON-TARGETED SCREENING FOR PFAS USING DIRECT INFUSION ULTRAHIGH RESOLUTION FI-ICR MASS SPECTROMETRY, Robert Young, CSIRO		HYDRATED ELECTRONS: THE FUTURE OF PFAS DEGRADATION®, Ms Mabel Day, University of Adelaide	31	ACHIEVING CLEANLINESS: REVISING CONCEPTUAL SITE MODEL TO SUCCESSFULLY REMEDIATE AN ASBESTOS IMPACTED SITE, Mr Benedict Robinson, Stantec Australia	111	INNOVATIVE USE OF ALERTPRO TO ENHANCE ASBESTOS AND ASBESTOS-IN-SOIL (ASBINS) ASSESSMENT AND REMEDIATION PROJECTS, Mr Ross McFarland, Aecom	41	ENHEALTH GUIDANCE FOR THE H HEALTH RISK ASSESSMENT OF VOI CHLORINATED HYDROCARBON ' INTRUSION, Dr Ian Delaere, SA H
11.30 - 11.45	APPLICATIONS OF HIGH RESOLUTION MASS SPECTROMETRY IN PFAS ANALYSIS, Dr Jacob Jaine, Als Global	152	VOLATILE PFAS MONITORING IN OFFGAS FROM FULL SCALE FOAM FRACTIONATION AT A LIQUID WASTE FACILITY, Simon Dong, Arcadis	60	ADVANCEMENTS IN MONITORED NATURAL ATTENUATION ASSESSMENTS AT COMPLEX SITES WITH INCORPORATION OF ADVANCED DATA ANALYTICS AND INNOVATIVE CHARACTERIZATION TOOLS, Dr Matthew Lee, Geosyntec Consultants International, Inc.	63	VETIVER FLOATING WETLANDS FOR CLEANUP OF LAKE WATERS, Dr Sara Parwin Banu Kamaludeen, Tamil Nadu Agricultural University	255	BIOAVAILABILITY BASED SOIL GU Laureate Prof Ravi Naidu, Unive Newcastle
11.45 - 12.00	UNDERSTANDING THE FATE AND BEHAVIOUR OF PFAS IN PORT PHILLIP BAY, Mr Navneet Singh, ADE Consulting Group	163	APPLICATION OF PFAS FORSENICS – EXAMINING THE DISTRIBUTION OF PFAS IN SOURCES AND RECEPTORS, Mr Jai Singh, Cdm Smith	246	IMPACT OF FLOW METERS ON GROUND GAS RISK ASSESSMENTS, Nick Woodford, Tetra Tech Coffey	118	REMEDIATION POTENTIAL OF MORUS ALBA L. INTERCROPPED WITH SEDUM ALFREDII H. AND ARUNDO DONAX L. FOR METAL- CONTAMINATED SOIL IN MINE, Professor Zhaohui Guo, Central South University	71	TECHNICAL CHALLENGES FOR CONTAMINATED LAND PRACTITIC CONSIDERING RECENT ENHEALTI INTRUSION GUIDANCE, Stanley H Jacobs
12.00 - 12:15	CAPTURING FLUOROCARBON RADICALS DURING PFAS INCINERATION USING MOLECULAR-BEAM PYROLYSIS MASS SPECTROMETRY, Dr Wenchao Lu, CSIRO	104	ENHANCING PFAS IMMOBILIZATION IN CONTAMINATED SOILS USING ACTIVATED CARBON AND GRASS UNDER SIMULATED RAINFALL, Mr Minshu Liang, University of Adelaide	238	FROM POLLUTION PATHWAYS TO SOLUTION PATHWAYS, Dr Gillian Kopittke, GHD Pty Ltd	188	AEROBIC CO-COMPOSTING DEGRADATION OF HIGHLY DIOXIN-CONTAMINATED FIELD SOIL. A STUDY OF BACTERIAL COMMUNITY, Dr. Huu Tuan Tran, Van Lang University (YLU), Vietnam	180	PRIORITISE JET FUEL ADDITIVES U: 1 AND IMAP, Yanju Liu, Universit Newcastle
12.15 - 13.15 <b>Lunch</b>	n and Poster Viewing - Hall L								
PLENARY SESSION	11								
Hall N	ry Session 1: Theory-to-Practice: Soil Ecosys	tem Sei	vices for Delivering a Healthy Environment.						
	ent Clothier, Principal Scientist, Plant & Food to sessions rooms	Resear	ch, New Zealand Life Cycle Management C	Centre,	Massey University				
CONCURRENT SE	SSION 2								
	Session 2A PFAS Analytics	П	Session 2B PFAS Groundwater		Session 2C Advances in Site Characterisation and Implications to		Session 2D Recent Advances in		Session 2E Environmental
14.05 - 15.35	Chair: Mr Simon Matthews		Modelling Chair: Dr Alvin Lal		Conceptual Site Models Chair: Matthew Barham		Remediation Technologies  Chair: Mengfang Chen		Guidance Chair: Summer Streets
	Deputy Chair: Dr Courtney Milner Sponsored by		Deputy Chair: Mr Christian Wallis		Deputy Chair: Mr Mark Chapman		Deputy Chair: Dr Md Nuruzzaman		Deputy Chair: Dr Yanju Liu
	When you need to be sure								
	D-U M		City Room 1		City Room 2		City Room 3		City Room 4
	Hall N								
14.05 - 14.20	Hall N						INON-ORGANIC: ONSITE REGENERATION OF		USE OF MASS FLUX AND MASS DIS
14.05 - 14.20	YOUR LABORATORY'S REQUIREMENTS FOR PFAS ANALYSIS IN NEMP DRAFT 3.0, Nathan Camilleri, SGS Australia	160	PROGRESS IN MODELING PFAS PLUMES IN GROUNDWATER, Dr Charles Newell, GSI Environmental INC	86	FACING THE BLACK BOX: EXPLORING THE BENEFITS AND CHALLENGES OF ARTIFICIAL INTELLIGENCE IN SITE CLEANUP, Jeremy Musson, Pinyon Environmental Inc.	252	NON-ORGANIC ONSITE REGENERATION OF PER- AND POLY-FLUORO-ALY'S LUBSTANCES- LADEN GRANULAR ACTIVATED CARBON , Mohsa Modiri, EA Engineering, Science and Technology	314	IMPROVE DECISION MAKING AT CONTAMINATED SITES, Naji Aklar Consultant
155	YOUR LABORATORY'S REQUIREMENTS FOR PFAS ANALYSIS IN NEMP DRAFT 3.0, Nathan		GROUNDWATER, Dr Charles Newell, G\$I Environmental INC	86	BENEFITS AND CHALLENGES OF ARTIFICIAL INTELLIGENCE IN SITE CLEANUP, Jeremy		PER-AND POLY-FLUOROALKYL SUBSTANCES- LADEN GRANULAR ACTIVATED CARBON , Mohsa Modiri, EA Engineering, Science and Technology  INSIGHTS INTO THE FERRATE-SULFITE SYSTEM FOR THE DEGRADATION OF POLYCYCLIC AROMATIC HYDROCARBONS, Zhiliang Zhao, Institute of Soil Science, Chinese Academy of	314	CONTAMINATED SITES, Naji Akla Consultant
14.20 - 14.35	YOUR LABORATORY'S REQUIREMENTS FOR PFAS ANALYSIS IN NEMP DRAFT 3.0, Nathan Camilleri, SGS Australia  EMERGING TRENDS IN PFAS ANALYSIS: FOCUS ON VOLATILE PFAS AND OTHER FLUORINATED COMPOUNDS, Dr Courtney Milner, Agilent	302	GROUNDWATER, Dr Charles Newell, GSI		BENEFITS AND CHALLENGES OF ARTIFICIAL INTELLIGENCE IN SITE CLEANUP, Jeremy Musson, Pinyon Environmental Inc.  USE OF REAL TIME GROUND GAS MONITORING GASFLUX SENSORS TO SUPPORT RISK ASSESSMENT AND MITIGATION, Mr	277	PER-AND POLY-FLUOROALKYL SUBSTANCES- LADEN GRANULAR ACTIVATED CARBON , Mahsa Modifi, EA Engineering, Science and Technology  INSIGHTS INTO THE FERRATE-SULFITE SYSTEM FOR THE DEGRADATION OF POLYCYCLIC AROMATIC HYDROCARBONS	314	CONTAMINATED SITES, Naji Akla
14.20 - 14.35 14.35 - 14.50 245	YOUR LABORATORY'S REQUIREMENTS FOR PFAS ANALYSIS IN NEMP DRAFT 3.0, Nathan Camilleri, SGS Australia  EMERGING TRENDS IN PFAS ANALYSIS: FOCUS ON VOLATILE PFAS AND OTHER FLUORINATED COMPOUNDS, Dr Courtney Milner, Agilent Technologies  A RIGOROUS APPROACH TO PFAS ANALYSIS IN SOLID SAMPLES, Mr Alex Keltie, University o	302	GROUNDWATER, Dr Charles Newell, GSI Environmental INC  THE U.S. DEFENSE DEPARTMENT'S PROGRAMMATIC EFFORTS TO ASSESS PFAS LEACHING FROM AFF-IMPACTECD SITES, Dr	113	BENEFITS AND CHALLENGES OF ARTIFICIAL INTELLIGENCE IN SITE CLEANUP, Jeremy Musson, Pinyon Environmental Inc.  USE OF REAL TIME GROUND GAS MONITORING GASFLUX SENSORS TO SUPPORT RISK ASSESSMENT AND MITIGATION, Mr Alessandro Sica, Senversa Phy Ltd  RAPID ON-SITE DETECTION OF UNDERGROUND PETROLEUM PIPELINE LEAKS AND RISK ASSESSMENT USING PORTABLE GAS CHROMATOGRAPHY-MASS SPECTROMETRY AND SOLID PHASE MICROEXTRACTION, Ying	277	PER-AND POLY-FLUOROALKYL SUBSTANCES-LADEN GRANULAR ACTIVATED CARBON , Mohsa Modifi, EA Engineering, Science and Technology  INSIGHTS INTO THE FERRATE-SULFITE SYSTEM FOR THE DEGRADATION OF POLYCYCLIC AROMATIC HYDROCARBONS, Zhiliang Zhao, Institute of Soil Science, Chinese Academy of Sciences  HIGH-ENERGY INJECTION OF ACTIVATED CARBON SLURRIES FOR IN-SITU REMEDIATION OF ORGANIC CONTAMINANTS: THE AUSTRALIAN EXPERIENCE, Dr. Jonás García-		CONTAMINATED SITES, Naji Akla Consultant  AN OVERVIEW OF PROGRESS FRE PFAS WORKING GROUP, Mr Gerc



16.05 - 17.35		Session 3A PFAS Exposure		Session 3B PFAS Remediation		Session 3C Advances in Site Characterisation and Implications to Conceptual Site Models		Session 3D Recent Advances in Remediation Technologies		Session 3E Climate Change Natural Disaster Manageme
		Chair: Kevin Alvarado		Chair: Dr Fang Wang		Chair: Susan Schow		Chair: Mr Ross McFarland		Chair: Jeremy Musson
		Deputy Chair: Dr Ian Ross		Deputy Chair: Dr Yanju Liu		Deputy Chair: Dr Liang Wang		Deputy Chair: Dr Amir Mohseni		Deputy Chair: Dr Ying Cheng
		Sponsored by  Hall N		City Room 1		City Room 2		City Room 3		City Room 4
16.05 - 16.20	182	DETECTION & (BIO) ACCUMULATION OF LEGACY AND NOVEL PFAS IN THE (MARINE)	279	PROMISING TECHNOLOGIES FOR THE	87	VARIABILITY AND UNCERTAINTY ASSOCIATED WITH SAMPLING, ANALYSIS, AND RISK	109	MAGNETIC HALLOYSITE AND ITS AEROGEL FOR SUSTAINABLE REMEDIATION OF CONTAMINANTS FROM WATER, Dr Bhaba Biswas, GCER, University of Newcastle	140	THE IMPORTANCE OF CLIMATE TO REACTIONS AND TECHNOLOGY PERFOR
16.20 - 16.35	102	ENVIRONMENT, Dr Rainer Lohmann, University of Rhode Island's Graduate School of Oceanography	2/7	EMEDIATION OF PFAS IMPACTED SOIL AND ROUNDWATER, Ramona Iery, Navfac Exwc		ASSESSMENT , Mr Naji Akladiss, SCHOW Consultant	237	INNOVATIVE MOF-CHITOSAN INTEGRATION TO REDUCE MICROPLASTIC FOULING IN FORWARD OSMOSIS MEMBRANES, Dr Masoumeh Zargar, Edith Cowan University	140	FOR GROUNDWATER CLEANUP, SCO Warner, University of Newcastle, Aus BBJ Group USA
16.35 - 16.50	121	AUSTRALIAN ENVIRONMENTAL PFAS EXPOSURE	76	APPLICATION OF MULTI-INCREMENTAL SAMPLING METHODOLOGY FOR VALIDATION OF PFAS SOIL REMEDIATION, James Guzman, Aecom	184	ASSESSING THE ROLE OF MACHINE LEARNING MODELS IN GROUNDWATER CONTAMINANT MONITORING AND MANAGEMENT, Dr ASADI SRINIVASULU, University of Newcastle	46	REMOTELY SENSED LAND MANAGEMENT SOLUTIONS, Amy Steiger, Stantec Australia	170	UTILIZING AUSTRALIAN CLAY MINERAL COMBAT METHANE EMISSION FROM O BURPS, Dr Md Rashidul Islam, The Univ Newcastle
16.50 - 17.05	121	IN 2024, Dr Mark Bowman, GHD	92	PFAS AND WASTE WATER TREATMENT PLANTS – STRATEGIES FOR AN "END-OF-PIPE" PROBLEM, Dr Matthew Askeland, ADE Consulting Group	150	PFAS IN THE VADOSE ZONE – A CONCEPTUAL MODEL: PART 2 APPPICATION TO AUSTRALIAN SOILS, Dr. Peter Beck, Ghd Pty, Ltd.	77	OPTIMISATION OF A GROUNDWATER TREATMENT SYSTEM DURING COMMISSIONING, Ali Ridha, Aurecon Indonesia	127	EFFECTS OF MANAGEMENT PRACTICE SOIL ORGANIC CARBON DYNAMICS RANGELAND ECOSYSTEMS, Dr Solmaz University of Newcatle
17.05 - 17.20	267	A STUDY ON PFBA, PFHXA, AND PFOA TOXICITY IN CAENORHABDITIS ELEGANS EXAMINES TRANS- AND MULTIGENERATIONAL EFFECTS OF THESE PERSISTENT PER- AND POLYFLUORINATED COMPOUNDS, Dr Tanmoy Sana, GCER, The University of Newcastle	21	THERMAL DESTRUCTION OF PFAS: HEAD GROUP DEPENDENCE AND KINETIC BOTTLENECKS, Jens Blotevogel, CSIRO	241	MULTIPLE SOURCE EVALUATION FOR PFAS SUPPLEMENTED WITH EMERGING DIGITAL TOOLS, Tom Fewless, GHD	196	ADVANCING PFAS SEPARATION FROM SOLUTION USING HIGH SHEAR MIXTURES, Dr Shervin Kabii, University of Adeloide	138	NATURAL HAZARDS, CLIMATE CHANG CONTAMINATED LAND, Mr Howard W Lotsearch Pty Ltd
17.20 - 17.35	240	LITHIUM-ION BATTERY COMPONENTS ARE AT THE NEXUS OF SUSTAINABLE ENERGY AND ENVIRONMENTAL PFAS RELEASE, Associate Professor Jennifer Guelfo, Texas Tech University	47	PFAS REMOVAL WITHIN A BIOLOGICAL PROCESS, Mr Darrin Stoker, Emerging Compounds Treatment Technologies	108	COMBINING HANDHELD XRF ANALYSIS AND ARCGIS FOR RISK EVALUATION AND REMEDIATION PLANNING AT AN ABANDONED ARSENIC MINE, Dr Liang Wang, The University of Newcastle			153	CLIMATE RESILIENCE IN CONTAMINAT REMEDIATION, Mr Ivan Kwan, CDM St Australia
		and Poster Session - Hall L ored By VEOLIA								

Tuesday, 17 September 2024

7:30		ker Support, Foyer M tion and Poster Displays Open, Hall L								
8:00	Regist	ration, Foyer M								
PLENARY SI	ESSION		_		_		_		_	
9.00 - 9.15		ome Day 2 ry Session 2: Anything But PFAS								
9.15 - 10.00	Profes	ssor Mark Taylor, Chief Environmental Scienti	st and	Executive Director, EPA, Victoria						
10.00 - 10.30		ng Tea and Poster Viewing - Hall L								
CONCURR	ENT SES	SSION 4								
10.30 - 12.15		Session 4A PFAS Policy		Session 4B PFAS Remediation		Session 4C Diffuse Pollution		Session 4D Recent Advances in Remediation Technologies		Session 4E Case Studies
		Chair: Rebecca Hughes Deputy Chair: Mark Taylor		Chair: Dr Ramona Iery Deputy Chair: Mr Ivan Kwan		Chair: Frank Sweet Deputy Chair: Dr Attila Tottszer		Chair: Gillian Kopittke Deputy Chair: Huu- Tuan Tran		Chair: Mr Ross McFarland  Deputy Chair: Dr Ayanka Wijayawardena
								Sponsored by		
		Hall N		City Room 1		City Room 2		City Room 3		City Room 4  EDUCATION AND TRAINING FOR
10.30 - 10.45	73	PFAS: MANAGEMENT STRATEGY VIEWED THROUGH A GLOBAL LENS, Dr. Rosa Gwinn,	169	DATA EVALUATION FRAMEWORK FOR DELINEATION OF PFAS SOURCE ZONES AND "BACKGROUND" PFAS SOURCES, Jeff	254	DIFFUSE POLLUTION EXPOSURE: A 'ONE HEALTH' PERSPECTIVE, Laureate Professor Ravi	57	OPTIMISING REMEDIAL OUTCOMES – USING NATURAL SOURCE ZONE DEPLETION AND GEOPHYSICAL SURVEYS TO SUPPLEMENT	114	CONTAMINATED LAND PROFESSIONALS: 1 TO RAISE OUR GAME?, Dr Sophie Wood, CHARACTERISTICS AND INFLUENCING
10.45 - 11.00		AECOM		Gamlin, GSI Environment		Naidu, GCER		CONVENTIONAL SAMPLING FOR SITE CLOSE OUT, Mr Andre Smit, Ghd	191	FACTORS OF ORGANIC CARBON CONTE PURPLE SOIL CULTIVATED LAND IN SICHU, BASIN, CHINA, Jingling Xue, University of Newcastle
11.00 - 11.15	62	HOW DOES EU'S POLICY FRAMEWORK TACKLE PREVENTION AND MANAGEMENT OF PFAS POLLUTION?, Dr Jussi Reinikainen, Finnish Environment Institute (Syke)	95	RAPID AND VIRTUALLY COMPLETE MECHANOCHEMICAL REDUCTIVE DEFLUORINATION OF PER- AND POLYFLUORO ALKYL SUBSTANCES (PFAS) IN CONTAMINATED SOIL USING SODIUM AND AMINES AS CO- MILLING AGENTS: A PROMISING FIRST APPROACH FOR THE DEVELOPMENT OF NOVEL NON-COMBUSTION PFAS REMEDIATION PROCESSES FOR SOILS, Dr. Rahul Singh, Hochschule Wismar, Wismar, Germany	313	GETTING SOILS ON THE GLOBAL AGENDA – A BIG PUSH TOWARDS FULFILLING THE UN 2030 AGENDA, Dr Leonardus Vergutz, OCP Group	141	PHYTOREMEDIATION OF TCE BY EUCALYPTUS TREES, Mr Mark Chapman, Aecom Australia	159	DATA VISUALISATION – SHINING A LIGHT OF SUBSURFACE DATA TO OPTIMISE REMEDIATION OPTIONS ASSESSMENT, Mr A Wright, CDM Smith
11.15 - 11.30			268	NEW TECHNOLOGIES TO DEGRADE PFAS TOWARD SITE APPLICATIONS, Cheng Fang, UoN	125	PFAS MASS FLUX – A PLATFORM FOR DEVELOPING REALISTIC REMEDIAL GOALS AND SUSTAINABLE ACTION, Ms Rachael Casson, AECOM	227	INNOVATIVE ENVIRONMENTAL REMEDIATION TECHNOLOGIES (INERT) FOR IMPROVING SOIL HEALTH, Dr Md Nuruzzaman, GCER, University of Newcastle	165	APPLICATION OF CLOUD-BASED DIGITAL ENVIRONMENTAL AUDITING TO SUPPORT LARGE-SCALE REMEDIATION PROJECT, A HOW IT COULD BE FURTHER ENHANCED THROUGH GENERATIVE AI, Mr Christian W Cdm Smith
11.30 - 11.45	262	PFAS IN CHINA: OCCURRENCE, RISK, POLICIES AND MANAGEMENT, Fang Wang, Institute of	151	CLOSURE – WHEN IS ENOUGH ENOUGH? AN AUDITOR'S PERSPECTIVE FOR PFAS REMEDIATION, Jonathan Medd, CDM Smith	257	A BRIEF OUTLOOK ON TECHNOSOLS; CURRENT ISSUES & CHALLENGES , Dr Jeyanny Vijayanathan, Forest Research Institute Malaysia	80	EXPLORING THE POTENTIAL: CAN ARSENIC TOLERANT SILICA SOLUBILING BACTERIA REDUCE ARSENIC TOXICITY IN RICE?, Ms Shreya Chakraborty, Indian Statistical Institute	204	PREDICTION OF SALTWATER INTRUSION L NUMERICAL AND SURROGATE MODELLIN CASE STUDY OF TAGABE COASTAL AQUII VANUATU, Dr Alvin Lai, crcCare
11.45 - 12.00		Soil Science, Chinese Academy of Sciences	134	TREATMENT OF COMPLEX PFAS EFFLUENT (FRANCE&AUS), Ms Carole Coudert, Veolia	162	STATE OF THE PRACTICE: CASE STUDIES FOR DISTINGUISHING CONTAMINATION FROM BACKGROUND IN SOIL AND GROUNDWATER, Dr Hannah Mikkonen, Cdm Smith	167	INTERACTION OF MCM-41 WITH IMIDACLOPRID TO REVEAL ITS MULTIFUNCTIONAL APPLICATION, Mr Saifullah Omar Nasif, University of Newcastle	200	CHALLENGES IN CONSTRUCTING A RESIDENTIAL SUBDIVISION ON A LANDFILI CASE STUDY, Dr Ian Swane, Ian Swane & Associates
12.00 - 12:15	289	ADDRESSING PFAS CONTAMINATION IN INDIA: POLICY PROGRESS AND PATHWAY FORWARD, Dr Nitin Verma, Chitkara University	17	TANTALUM-BASED METAL OXIDES FOR THE PHOTOCATALYTIC DEGRADATION OF PFAS, Miss Rachael Matthews, The University of Adelaide	224	**WITHDRAWN** BIORATIONAL PEST MANAGEMENT STRATAGIES: A PREVENTION TOOL OF CHEMICAL PESTICIDES HAZARD, Dr. Md Mahbubur Rahman, Bangabandhu Sheikh Mujibur Rahman Agricultural University (bsmrau)	265	NEW SOLUTION FOR TCE GROUNDWATER CONTAMINATION: THE PROMISE OF "NANO- MATCARETM PLUS", Dr Mezbaul Bahar, University Of Newcastle	235	LANDFILL GAS MITIGATION TO FACILITATI DEVELOPMENT IN THE PERTIH METROPOLI' AREA, Ms Shandel Coleman, Australian Environmental Auditors
12.15 - 13.15	Lunch	and Poster Viewing - Hall L								
CONCURR	ENT SES	SSION 5								
		Session 5A PFAS Policy		Session 5B PFAS Remediation		Session 5C Diffuse Pollution		Session 5D Mining and ESG		Session 5E Case Study
13.15 - 14.45		Chair: Naji Akladiss		Chair: Jeff Gamlin		Chair: Dr Jussi Reinikainen		Chair: Frank Sweet		Chair: Professor Lucian Chukwu
		Deputy Chair: Dr Mark Bowman Hall N		Deputy Chair: Dr Cheng Fang  City Room 1		Deputy Chair: Summer Streets  City Room 2		Deputy Chair: Dr Girish Choppala  City Room 3		Deputy Chair: Mr Christian Wallis  City Room 4
13.15 - 13.30		PFAS POLICY UPDATE- UK, Paul Nathanail, Land Quality Management Ltd Nottingham		REMOVAL OF PER- AND POLYFLUOROALKYL SUBSTANCES FROM WASTEWATER VIA		UTILIZING RISK BASED SAMPLING METHODS COUPLED WITH FIELD INSTRUMENTS FOR NEAR		REGENERATIVE REMEDIATION: ESG IN	42	UNRAVELLING CONTAMINANT MIGRATIC PATHWAYS AT A FORMER CHEMICAL MANUFACTURING FACILITY, Mr Garry Ma Helia Ehs Pty Ltd
13.30 - 13.45	292		298	AEROSOL CAPTURE, Zoom Nguyen, CDM Smith	234	REAL TIME REMEDIATION, Marvin Heskett, Element Environmental	284	PRACTICE, FrankSweet, AECOM	32	DEMONSTRATION OF LNAPL NATURAL SO ZONE DEPLETION TO ACHIEVE SITE CLOSU A CASE STUDY FROM REGIONAL WESTERN AUSTRALIA, Dr Daniel Boland, GHD
				REGENERABLE ION EXCHANGE TREATMENT WITH HYDROTHERMAL ALKALINE TREATMENT	231	A PFAS MASS FLUX STUDY AND ITS USE IN SITE MANAGEMENT, Alice Walker, Ghd	172	ZEOLITE SYNTHESIS FROM COAL FLY ASH FOR CO2 CAPTURE AND UTILISATION, Dr Md Rashidul Islam, The University of Newcastle	187	CELEBRATING THE WORLD'S MOST SUSTAINABLE GROUNDWATER REMEDY: T PERMEABLE REACTIVE BARRIER AT 30 YEA Scott Warner, University of Newcastle, Australia / BBJ Group USA
13.45 - 14.00		UNITED STATE ENVIRONMENTAL PROTECTION	50	(HALT): FULL SPECTRUM PFAS CAPTURE AND DESTRUCTION, Dr David Kempisty, Emerging Compounds Treatment Technologies						
13.45 - 14.00 14.00-14.15	88	UNITED STATE ENVIRONMENTAL PROTECTION AGENCY FINAL PFAS NATIONAL PRIMARY DRINKING WATER REGULATION, Susan Schow, Retired, State of Maine Health Data Organization	50	(HALT): FULL SPECTRUM PFAS CAPTURE AND DESTRUCTION, Dr David Kempisty, Emerging	203	POLICY CHALLENGES RELATED TO DIFFUSE POLLUTION – CASE PFAS, Dr Jussi Reinikainen, Finnish Environment Institute (Syke)	89	THE PRECAUTIONARY PRINCIPLE - HAS IT HELPED OR HINDERED COMMUNICATING AND MANAGING PFAS RISKS?, Mr Andrew Thomas, GHD Ply Ltd	56	HYDROCARBON AND CHEMICAL STORA AND DISTRIBUTION TERMINAL IN VICTORI FOR REDEVELOPMENT AS NON-SENSETIVI
	88	AGENCY FINAL PFAS NATIONAL PRIMARY DRINKING WATER REGULATION, Susan Schow, Retired, State of Maine Health Data		(HALT): FULL SPECTRUM PFAS CAPTURE AND DESTRUCTION, Dr David Kempisty, Emerging Compounds Treatment Technologies  NATURE-INSPIRED INNOVATION: LONG-TERM MANAGEMENT OF PFAS CONTAMINATED WATER USING FLOATING WETLANDS, Dr John		POLLUTION - CASE PFAS, Dr Jussi Reinikainen,	89	HELPED OR HINDERED COMMUNICATING AND MANAGING PFAS RISKS?, Mr Andrew	56	REMEDIATION OF IMPACTED SOIL AND GROUNDWATER ON A MAJOR PETROLEL HYDROCARBON AND CHEMICAL STORA AND DISTRIBUTION TERMINAL IN VICTORI FOR REDEVELOPMENT AS NON-SENSETIVI COMMERCIAL LAND USE, MIS Nina Alavi,



15.15 - 17.00		Session 6A Mining and ESG		Session 6B PFAS Remediation		Session 6C ACLCA Session for Early Career Professionals		Session 6D Recently Emerged and Emerging Contaminants		Session 6E Case Study
13.13 - 17.00		Chair: Dr Natalia Rodríguez Eugenio  Deputy Chair: Prof Brent Clothier		Chair: Dr Bhaba Biswas Deputy Chair: Dr Cheng Fang		Chair: Mrs Lariss Willoughby		Chair: Dr Shaily Mahendra Deputy Chair: Dr Attila Tottszer		Chair: Prof Megharaj Mallavarapu  Deputy Chair: Dr Girish Choppala
		Hall N		City Room 1		City Room 2		City Room 3		City Room 4
15.15-15.30		MINECARE: ADVANCED SOFTWARE		PFAS IN DRINKING WATER: CHALLENGES WITH		Introduction and brief about the session - Larissa Willoughby, Australian Environmental Auditors		LET'S STOP THE WHACK-A-MOLE APPROACH	106	REMEDIATING SUBSURFACE COMBUSTION II COAL-WASH IN A SENSITIVE LAND USE SETTII - CASE STUDY, Marthew Barberson (Mert Berberoglu), Wsp Australia Pty Ltd
15.30 - 15.45	190	SOLUTIONS FOR MANAGING CONTAMINATED MINE SITES, Dr Liang Wang, The University of Newcastle	287	IMPLEMENTING THE NEW US REGULATIONS, Tamzen Macbeth, CDM Smith		Sustainable Bioremediation in Remote South Australia, Ms Natalie Newman, EHS Support Pty Ltd.	294	TO EMERGING CONTAMINANTS, Dr Shaily Mahendra, University of California	201	AUSTRALIA'S SAFEST PLACE FOR PERMANEN ISOLATION OF HAZARDOUS MATERIALS – TELLUS HOLDINGS' SANDY RIDGE FACILITY, WESTERN AUSTRALIA, Ms Jade Ritchie, Tellu
15.45 - 16.00	84	CONTAMINATED MINING SITE RISK ASSESSMENT AND BROWNFIELD REUSE IN NORTHERN TAIWAN, Mr. Yun-Jie Lai, Apollo Technology Co., Ltd.	27	MATERIALS AND PROCESSES FOR PHOTOCATALYTIC DESTRUCTION OF PERSISTENT ORGANIC POLLUTANTS, Dr Cameron Shearer, The University of Adelaide		Assessment of hydraulic profiling tool (HPT) results as part of a conceptual site model- Annaleise Murdoch, GHD	69	LABORATORY TREATABILITY STUDY FOR REMEDIATION OF LIGHT NON-AQUEOUS PHASE LIQUID , Mr Matthew Tendam, Aurecon	250	RAPID ASSESSMENT AND REMEDIATION OF A AIRCRAFT CRASH SITE ON TIWI ISLANDS, NT, Liam Spurr, Jacobs
16.00 - 16.15	243	ANTIMONY(V) COPRECIPITATION WITH SCHWERTMANNITE IN ACID-SULFATE SYSTEMS., Mohammad Rastegari, Southern Cross University	48	TREATMENT OF A 4 MLD LAGOON SYSTEM POTW EFFLUENT TO PFAS DRINKING WATER STANDARDS USING FOAM FRACTIONATION, Cameron Marshall, Emerging Compounds Treatment Technologies		Living with our legacy: Advancing sustainable waste management in Victoria - Matthew Barham, CDM Smith	26	DISCHARGE OF MICROPLASTICS AND PLASTIC ADDITIVES FROM MUNICIPAL SOLID WASTE OPEN DUMPS INTO THE ENVIRONMENT, Professor Meththika Vithanage, Ecosphere Resilience Research Center, University of Sri Jayewardenepura	198	REAL-TIME SOIL ASSESSMENT: REMSCAN IN KUWAIT'S ENVIRONMENTAL REMEDIATION PROGRAM, Dr Sean Manning, Ziltek
16.15 - 16.30	275	REGENERATIVE REMEDIATION: GENERATING SUSTAINABLE POST-REMEDIATION HUMAN AND ECOLOGICAL VALUE FROM IMPAIRED PROPERTIES, Paul Steinwede, AECOM	49	FOAM FRACTIONATION COUPLED WITH HYDROTHERMAL ALKALINE TREATMENT FOR REMEDIATION OF A PFAS-IMPACTED FIRE TRAINING POND, Chadie Gordon, Emerging Compounds Treatment Technologies		From Start to Finish (And a little bit in between) - Monique Hitchens, ADE Consulting Group	36	IMPACTS OF MUNICIPAL SOLID WASTE MANAGEMENT ON LAGOON GARBAGE: A CASE STUDY OF THALE NOI, THAILAND, Peeranart Kiddee, Department of Biological and Environmental Sciences, Thaksin University	52	EVOLUTION OF A CSM — WHEN PLUMES COLIDE: USING MULTIPLE LINES OF EVIDEN TO ASSESS THE INTERACTION OF A CHLORINATED HYDROCARBON AND A PETROLEUM HYDROCARBON PLUME IN A FRACTURED ROCK AQUIFER, Mr Ben Kortley Stantec
16.30 - 16.45	253	ESG-DRIVEN ENVIRONMENTAL RISK ASSESSMENTS: IMPORTANCE OF ECOLOGICAL RECEPTIORS FOR ACHIEVING UNSDGS , Abinandan Sudharsanam, The University of Newcastle	61	ELECTROCHEMICAL OXIDATION FOR ONSITE PFAS DESTRUCTION, Katle Henderson, Ovivo		Fieldwork Survival Guide: Strategies for Health and Mental Resilience - Cheri van Rensburg, GHD	40	PFAS IN DUST MEASUREMENT – ENVIRONMENTAL AND OCCUPATIONAL CONSIDERATIONS, Tim Dowle, ADE Consulting Group	158	STARTING AT THE END: OPTIMISING ENHANCED IN SITU BIOREMEDIATION FOR T Mr Abe Wright, CDM Smith
16.45 - 17.00	112	INFLUENCES OF LAYERED SILICATE MINERALS ON THE RUMEN ECOSYSTEM FOR METHANE INHIBITION, Zubaer Hosen, University of Newcastle, NSW. Australia	16	REGENERABLE RESIN FOR PFAS REMOVAL – 5 YEARS LATER WHAT WE'VE LEARNED., Dr. David Kempisty, Ect2		Q&A and Open discussion	214	ADVANCES IN THE IDENTIFICATION OF DIFFERENT TYPES OF ASBESTOS: AN ANALYTICAL APPROACH, Dr Saianand Gopalan, CRC CARE/GCER, The University of Newcastie		Q&A and Open discussion
18.30 – 19.00	Pre-dir	nner drinks - Fouer M								
18.30 – 19.00	Pre-dir	ON THE RUMEN ECOSYSTEM FOR METHANE INHIBITION, Zubaer Hosen, University of Newcastle, NSW. Australia		YEARS LATER WHAT WE'VE LEARNED., Dr.		Q&A and Open discussion	214	DIFFERENT TYPES OF ASBESTOS: AN ANALYTICAL APPROACH, Dr Saianand Gopalan, CRC CARE/GCER, The University of		Q&A and Open discuss



gistration, Foyer M ON 3								
	_		_					
elcome Day 3								
enary Session 3: Plastics, Endocrine Disrupting C parina Fernandez, PhD, Associate Researcher, Th								
orning tea and Poster Viewing - Hall L								
SESSION 7								
Session 7A PFAS Risk and Toxicity		Session 7B PFAS Biosolid		Session 7C Legacy Contaminants		Session 7D Recently Emerged and Emerging Contaminants		Session 7E One Health and Communication
Chair: Katie Richardson  Deputy Chair: Dr Belinda Goldsworthy		Chair: Aravind Surapaneni Deputy Chair: Fangjie Qi		Chair: Jens Blotevogel Deputy Chair: A/Prof Mohammad Rahman		Chair: Mengfang Chen Deputy Chair: Dr Cheng Fang		Chair: Michael Stopford Deputy Chair: Sergejus Ustinov
Hall N		City Room 1		City Room 2		City Room 3		City Room 4
RISK-BASED BENCHMARKS AND OTHER CONSIDERATIONS FOR ECOLOGICAL RISK ASSESSMENT OF PFAS , Greg Garvey, GSI Environment	290	UNDERSTANDING AND MANAGEMENT OF PER AND POLYFLUORINATED SUBSTANCES (PFAS) IN BIOSOLIDS, Distinguished Professor Andrew Ball, RMIT University	291	HALF A CENTURY OF SLOOOOW PROGRESS ON RISK BASED REMEDIATION - LESSONS AND OPPORTUNITIES TO ACCELERATE, POUL Nathanail, Land Quality Management Ltd Nottingham	82	CHARACTERIZATION AND ECOLOGICAL RISK ASSESSMENT OF MICROPLASTICS IN SEDIMENTS OF A TROPICAL WEST AFRICAN LAGOON ECOSYSTEM, Professor Lucian Chukwu, University of Lagos	260	EFFECTIVE COMMUNICATION OF RISK - COMMUNITIES AFFECTED BY SOIL CONTAMINATION, Michael Stopford, ANCORED
EMERGING CONTAMINANTS IN WASTE INDUSTRY- CHALLENGES AND SOLUTIONS, Gus Martins, HUESKER Australia		PFAS IN BIOSOLIDS: TRANSFER TO SOIL AND	66	FROZEN IN TIME: DETECTING LEGACY HYDROCARBON CONTAMINATION USING PASSIVE SOIL GAS SAMPLING AT WILKES STATION, EAST ANTARCTICA, Kathryn East, Australian Antarctic Division	79	ADVANCED MATERIALS AND MEMBRANES FOR ENHANCED MICROPLASTIC AND SYNERGISTIC FOULING RESISTANCE, Dr Masoumeh Zargar, Edith Cowan University	70	DEVELOPING FRAMEWORKS THAT SUPP COMMUNICATION OF INDOOR AIR RISK RESPONSE , Mel Karistianos, Jacobs
ADDRESSING PFAS CHALLENGES IN WATER: VEOLIA RETURN OF EXPERIENCE IN NORTH AMERICA AND AUSTRALIA, Mr Matt Ead, Veolia	120	CROPS PRESENTS RISKS TO CONSUMERS OF BEEF AND MILK, Summer Streets, Minnesota Pollution Control Agency	205	ARSENIC OXIDATION AND REMOVAL FROM WATER VIA CORE-SHELL MNO2@LA(OH)3 NANOCOMPOSITE ADSORPTION, Dr. Yulong Wang, The University of Newcastle	100	OCCURRENCE AND DISTRIBUTION OF MICROPLASTIC POLLUTION IN PEATLAND AREAS, Dr. Ngoc Son Hai Nguyen, Thai Nguyen University of Agriculture And Forestry (TUAF), Vietnam	174	THE ART OF COMMUNICATING RISKS TO COMMUNITY: STRATEGIES FOR TECHNIC PROFESSIONALS, Carla Pignatelli, GHD
FIREFIGHTING FOAM TRANSITION – ARE WE DONE YET?! STATUS AND STATE OF THE ART, Mr Simon Dong, Arcadis Australia Pacific	283	EXPLORING THE FATE OF PFAS IN BIOSOLIDS PYROLYSIS THROUGH PYROCO PILOT PLANT, Aravind Surapaneni, RMIT University	266	POTENTIAL OF BUSHFIRES ON THE MINERALOGICAL TRANSFORMATION OF MOST USED ASBESTOS, Girish Choppala, GCER	101	MACHINE LEARNING APPROACHES FOR PREDICTING MICROPLASTIC POLLUTION IN PEATLAND AREAS, Dr. Huu Tuan Tran, Van Lang University (YLU), Vietnam	296	HEAVY METAL IN INDONESIAN PADDY S STATUS AND IMPLICATION TO ONE HEA Yiyi Sulaeman, National Research and Innovation Agency
INVESTIGATING THE TOXICITY OF PERFLUOROOCTANE SULFONIC ACID (PFOS) ON GROUNDWATER ISOPODS AND AMPHIPODS, Dr M.A. Ayanka Wijayawardena, The University of Newcastle and crcCare		PFAS IN BIOSOLIDS - IS EVERYONE MEASURING THE SAME THING? INSIGHTS FROM A	28	TOWARDS A RISK-BASED APPROACH TO THE TRANSPORT OF SOIL CONTAINING ASBESTOS, Simon Mason, Agon Environmental	168	DISTRIBUTION AND RISK ASSESSMENT OF MICROPLASTICS IN AGRICULTURAL SOILS, Dr Sara Parwin Banu Kamaludeen, Tamil Nadu Agricultural University	256	EFFECTIVE RISK COMUNICATION: WHA IT TAKE?, Dr Kate Hughes, Ecology Dat Services
KEY PFAS LAND USES IN THE YANGTZE RIVER DELTA OF CHINA: IMPLICATIONS FOR THE REVIRONMENTAL MANAGEMENT PRIORITIES, Dr. Yuanyuan Cheng, Suzhou University of Science and Technology	107	PROFICIENCY TESTING STUDY, Mrs Luminita Antin, National Measurement Institute	192	BIOACCESSIBILITY AND HEALTH RISK ASSESSMENT OF ARSENIC IN CHILDREN'S DIETS FROM ARSENIC ENDEMIC AREA IN BANGLADESH, A/prof Mohammad Mahmudur Rahman, The University of Newcastle	74	SC-PFAS REMOVAL BY CATIONIC FUNCTIONALISED FLAX, Miss Shailja Data, University of Auckland		Q&A and Open discussion
nch and Poster Viewing - Hall L								
SESSION 8								
Session 8A PFAS Risk and Toxicity		Session 8B Waste and Circular Economy		Session 8C Legacy Contaminants		Session 8D Recently Emerged and Emerging Contaminants		Session 8E Risk Characterisati
Chair: Greg Garvey		Chair: Dr Anu Kumar	1	Chair: Ms Pierina Otness		Chair: Professor Lucian Chukwu		Chair: Dr Belinda Goldsworthy
Deputy Chair: Scott Warner  Hall N		Deputy Chair: Mr Saifullah Omar Nasif  City Room 1		Deputy Chair: Dr Solmaz Bidast  City Room 2		Deputy Chair: Katie Richardson  City Room 3		Deputy Chair: Dr Luchun Duan  City Room 4
USE OF RISK-BASED SAMPLING METHODS AND "TOTAL PFAS RISK" TO EXPEDITE ASSESSMENT AND REMEDIATION OF PFAS-CONTAMINATED SITES, Roger Brewer, Hawaii Department Of Health	299	WHAT'S UBIQUITOUS AND OPAQUE? A DISCUSSION OF CIRCULAR ECONOMY, ESG AND WASTE, Nate Smith, Tellus	175	MANAGING PERSISTENT ORGANIC POLLUTANTS (POPS): LEGACY POPS, EMERGING CHEMICALS, PLASTICS, AND HOUSEHOLD DIRTY DOZEN, Prof Ming Hung Wong, The Education University of Hong Kong	247	LIVING WITH CHEMICALS: UNDERSTANDING THE SOURCES AND RISK FROM CONTAMINANTS IN HOMES AND GARDENS, Kara Fry, Environment Protection Authority Victoria	119	MINNESOTA'S APPROACH TO DERIVATI PFAS CRITERIA FOR THE PROTECTION C HUMAN HEALTH, Summer Streets, Minr Pollution Control Agency
	230	ESTABLISHING BASELINE CONTAMINATION OF MICROPLASTICS IN ORGANIC WASTES, Dr Mike Williams, Csiro	99	DEVELOPMENT OF AN ADAPTIVE FRAMEWORK FOR OPTIMIZING BIOREMEDIATION IMPLEMENTATION AT A FRACTURED BEDROCK CHLORINATED SOLVENT DNAPL SITE, Dr Matthew Lee, Geosyntec	213	EXTRACTION OF GLYPHOSATE AND AMINOMETHYLPHOSPHONIC ACID FROM CONTRASTING AUSTRALIAN SOILS , Miss W.d.nipuni P, Wellivitiya, GCER-University of Newcastle	25	THIRSTY WORK: CLIMATE-DEPENDENT S WATER SCREENING LEVELS FOR THE BR PFAS FAMILY, Katie Richardson, Senve
ADDRESSING KEY UNCERTAINTIES IN RISK ASSESSMENT THROUGH THE LATEST SAMPLING AND ANALYTICAL METHODS FOR CONCRETE IMPACTED BY PFAS AT FIRE TRAINING AREAS, Mr Geraint Williams, ALS		TOWARDS SUSTAINABLE WASTE MANAGEMENT: UNDERSTANDING HEAVY METAL ENRICHMENT IN MSWI BOTTOM ASH, MSc Thomas Kremlicka, Montanuniversität Leoben	83	OPTIMIZING CHEMICAL FIXATION TECHNIQUES FOR EFFECTIVE LEAD IMMOBILIZATION IN GARNET WASTE, Miss Emily Bloomfield, Veolia Environmental Services	15	MICRO-/NANOPLASTICS IN OUR DAILY LIVES, Cheng Fang, UoN	58	MEASURING THE IMPACT OF BIO-ACCE HMS ON COOKED RICE FROM CHROM ASBESTOS MINE WASTE CONTAMINATEL PREDICTING ANTHROPOGENIC AND D RISK BY EMPLOYING MODELS, MS SONY BANERJEE, Indian Statistical Institute
ASSESSMENT THROUGH THE LATEST SAMPLING AND ANALYTICAL METHODS FOR CONCRETE IMPACTED BY PFAS AT FIRE TRAINING AREAS,	33			CO-SORPTION OF ANTIMONY AND METALS		ASSESSING THE RISK OF CONTAMINANTS OF EMERGING CONCERN IN WASTEWATER USING EFFECTS-BASED METHODS, Hung Tan, EPA Victoria	143	ASSESSING PFAS RISK FROM SITE SOURC MASS FLUX APPROACH COMPARED TO CONCENTRATION DATA, Kathleen Pro ERM Australia Pty Ltd
ASSESSMENT THROUGH THE LATEST SAMPLING AND ANALYTICAL METHODS FOR CONCRETE IMPACTED BY PFAS AT FIRE TRAINING AREAS, Mr Geraint Williams, ALS  ASSESSING THE DISTRIBUTION AND ENVIRONMENTAL RISK OF PFAS AT A HISTORICAL CONCRETE PAD, Dr Matthew		CLOSING THE LOOP ON NAPPIES: AN AUSSIE TRIAL, Dr Anu Kumar, CSIRO	189	ONTO IRON MINERALS, Ms Bridie Clelland, GCER	216			VAPOUR INTRUSION RISK ASSESSMENT - YOU HAVE THE RIGHT DATA?, Mr Ken K ERM
ASSESSMENT THROUGH THE LATEST SAMPLING AND ANALYTICAL METHODS FOR CONCRETE IMPACTED BY PFAS AT FIRE TRAINING AREAS, Mr Geraint Williams, ALS  ASSESSING THE DISTRIBUTION AND ENVIRONMENTAL RISK OF PFAS AT A HISTORICAL CONCRETE PAD, Dr Matthew Askeland, Ade Consulting Group Pty Ltd  REDUCING PFAS LOADS IN STORMWATER AT A	173		189	ONTO IRON MINERALS, Ms Bridie Clelland,	304	QUANTITATIVE ANALYSIS OF FIVE PESTICIDES TO DETERMINE THEIR PRE-HARVEST INTERVAL IN SRI LANKA BITTER GOURD, Mrs Yoshida Lakshani, University of Newcastle	149	
ASSESSMENT THROUGH THE LATEST SAMPLING AND ANALYTICAL METHODS FOR CONCRETE IMPACTED BY PFAS AT FIRE TRAINING AREAS, Mr Geraint Williams, ALS  ASSESSING THE DISTRIBUTION AND ENVIRONMENTAL RISK OF PFAS AT A HISTORICAL CONCRETE PAD, Dr Matthew Askeland, Ade Consulting Group Pty Ltd  REDUCING PFAS LOADS IN STORMWATER AT A FUEL TERMINAL, Mr Stuart Derham, Aurecon  BIOAVAILABILITY OF PFOA, PFHXS AND PFOS IN SOIL- METHOD DEVELOPMENT AND RECOMMENDATIONS: IN VIVO STUDY, Luchu	173	TRIAL, Dr Anu Kumar, CSIRO  SELECTIVE GENERATION OF PHYSICAL SEPARATION TRAITS FOR PROCESSING MATERIAL FROM LANDFILL , Dipling. Paul		ONTO IRON MINERALS, Ms Bridie Clelland, GCER  ADVANCES IN THE CHARACTERISATION AND REMEDIATION OF LUAPIL-CONTAMINATED SITES; INSIGHTS FROM A COLLABORATIVE EFFORT, Dr Jonds Garcia-Rincón, Legion		QUANTITATIVE ANALYSIS OF FIVE PESTICIDES TO DETERMINE THEIR PRE-HARVEST INTERVAL IN SRI LANKA BITTER GOURD, Mrs Yoshido	149	SOIL BIOAVAILABILITY - THE MISSING (B POWERFUL) STEP, Dr Belinda Goldswort enRiskS
ASSESSMENT THROUGH THE LATEST SAMPLING AND ANALYTICAL METHODS FOR CONCRETE IMPACTED BY PFAS AT FIRE TRAINING AREAS, Mr Geraint Williams, ALS  ASSESSING THE DISTRIBUTION AND ENVIRONMENTAL RISK OF PFAS AT A HISTORICAL CONCRETE PAD, Dr Matthew Askeland, Ade Consulting Group Pty Ltd  REDUCING PFAS LOADS IN STORMWATER AT A FUEL TERMINAL, Mr Stuart Derham, Aurecon  BIOAVAILABILITY OF PFOA, PFHXS AND PFOS IN SOIL- METHOD DEVELOPMENT AND RECOMMENDATIONS: IN VIVO STUDY, Luchu Duan, University of Newcastle  DYNAMICS OF PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) AND EXPOSURE PATHWAYS IN AFFF-IMPACTED MINING SITES OF WESTERN AUSTRALIA, Fangije Qi, Universit	173	TRIAL, Dr Anu Kumar, CSIRO  SELECTIVE GENERATION OF PHYSICAL SEPARATION TRAITS FOR PROCESSING MATERIAL FROM LANDFILL , DiplIng. Paul Demschar, Montanuniversitaet Leoben	22	ONTO IRON MINERALS, Ms Bridie Clelland, GCER  ADVANCES IN THE CHARACTERISATION AND REMEDIATION OF LNAPL-CONTAMINATED SITES: INSIGHTS FROM A COLLABORATIVE EFFORT, Dr Jonás García-Rincón, Legion Drilling  VARIETAL DIFFERENCE IN GRAIN TOTAL AND SPECIATED ARSENIC CONCENTRATIONS OF IRRIGATED RICE IN BANGLADESH, Mr Md Imman Ullah Sarkar (presented by Associate Professor Mohammad Mahmudur Rahman),	304	QUANTITATIVE ANALYSIS OF FIVE PESTICIDES TO DETERMINE THEIR PRE-HARVEST INTERVAL IN SRI LANKA BITTER GOURD, Mrs Yoshida Lakshani, University of Newcastle  EMERGING CONTAMINANTS IN CROPS IRRIGATED BY RECYCLED WASTEWATER, Dr		SOIL BIOAVAILABILITY - THE MISSING (B
ASSESSMENT THROUGH THE LATEST SAMPLING AND ANALYTICAL METHODS FOR CONCRETE IMPACTED BY PFAS AT FIRE TRAINING AREAS, Mr Geraint Williams, ALS  ASSESSING THE DISTRIBUTION AND ENVIRONMENTAL RISK OF PFAS AT A HISTORICAL CONCRETE PAD, Dr Matthew Askeland, Ade Consulting Group Pty Ltd  REDUCING PFAS LOADS IN STORMWATER AT A FUEL TERMINAL, Mr Stuart Derham, Aurecon  BIOAVAILABILITY OF PFOA, PFHXS AND PFOS IN SOIL-METHOD DEVELOPMENT AND RECOMMENDATIONS: IN VIVO STUDY, Luchu Duan, University of Newcastle  DYNAMICS OF PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) AND EXPOSURE PATHWAYS IN AFFF-IMPACTED MINING SITES OF WESTERN AUSTRALIA, Fangjie Qi, Universit of Newcastle	173	TRIAL, Dr Anu Kumar, CSIRO  SELECTIVE GENERATION OF PHYSICAL SEPARATION TRAITS FOR PROCESSING MATERIAL FROM LANDFILL , DiplIng. Paul Demschar, Montanuniversitaet Leoben	22	ONTO IRON MINERALS, Ms Bridie Clelland, GCER  ADVANCES IN THE CHARACTERISATION AND REMEDIATION OF LNAPL-CONTAMINATED SITES: INSIGHTS FROM A COLLABORATIVE EFFORT, Dr Jonás García-Rincón, Legion Drilling  VARIETAL DIFFERENCE IN GRAIN TOTAL AND SPECIATED ARSENIC CONCENTRATIONS OF IRRIGATED RICE IN BANGLADESH, Mr Md Imman Ullah Sarkar (presented by Associate Professor Mohammad Mahmudur Rahman),	304	QUANTITATIVE ANALYSIS OF FIVE PESTICIDES TO DETERMINE THEIR PRE-HARVEST INTERVAL IN SRI LANKA BITTER GOURD, Mrs Yoshida Lakshani, University of Newcastle  EMERGING CONTAMINANTS IN CROPS IRRIGATED BY RECYCLED WASTEWATER, Dr		SOIL BIOAVAILABILITY - THE MISSING (B
ASSESSMENT THROUGH THE LATEST SAMPLING AND ANALYTICAL METHODS FOR CONCRETE IMPACTED BY PFAS AT FIRE TRAINING AREAS, Mr Geraint Williams, ALS  ASSESSING THE DISTRIBUTION AND ENVIRONMENTAL RISK OF PFAS AT A HISTORICAL CONCRETE PAD, Dr Matthew Askeland, Ade Consulting Group Pty Ltd  REDUCING PFAS LOADS IN STORMWATER AT A FUEL TERMINAL, Mr Stuart Derham, Aurecon  BIOAVAILABILITY OF PFOA, PFHXS AND PFOS IN SOIL-METHOD DEVELOPMENT AND RECOMMENDATIONS: IN VIVO STUDY, Luchu Duan, University of Newcastle  DYNAMICS OF PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) AND EXPOSURE PATHWAYS IN AFFF-IMPACTED MINING SITES OF WESTERN AUSTRALIA, Fangjie Qi, Universit of Newcastle  ernoon Tea and Poster Viewing - Hall L	173	TRIAL, Dr Anu Kumar, CSIRO  SELECTIVE GENERATION OF PHYSICAL SEPARATION TRAITS FOR PROCESSING MATERIAL FROM LANDFILL , DiplIng. Paul Demschar, Montanuniversitaet Leoben	22	ONTO IRON MINERALS, Ms Bridie Clelland, GCER  ADVANCES IN THE CHARACTERISATION AND REMEDIATION OF LNAPL-CONTAMINATED SITES: INSIGHTS FROM A COLLABORATIVE EFFORT, Dr Jonás García-Rincón, Legion Drilling  VARIETAL DIFFERENCE IN GRAIN TOTAL AND SPECIATED ARSENIC CONCENTRATIONS OF IRRIGATED RICE IN BANGLADESH, Mr Md Imman Ullah Sarkar (presented by Associate Professor Mohammad Mahmudur Rahman),	304	QUANTITATIVE ANALYSIS OF FIVE PESTICIDES TO DETERMINE THEIR PRE-HARVEST INTERVAL IN SRI LANKA BITTER GOURD, Mrs Yoshida Lakshani, University of Newcastle  EMERGING CONTAMINANTS IN CROPS IRRIGATED BY RECYCLED WASTEWATER, Dr		SOIL BIOAVAILABILITY - THE MISSING (B
ASSESSMENT THROUGH THE LATEST SAMPLING AND ANALYTICAL METHODS FOR CONCRETE IMPACTED BY PFAS AT FIRE TRAINING AREAS, Mr Geraint Williams, ALS  ASSESSING THE DISTRIBUTION AND ENVIRONMENTAL RISK OF PFAS AT A HISTORICAL CONCRETE PAD, Dr Matthew Askeland, Ade Consulting Group Pty Ltd  REDUCING PFAS LOADS IN STORMWATER AT A FUEL TERMINAL, Mr Stuart Derham, Aurecon  BIOAVAILABILITY OF PFOA, PFHXS AND PFOS IN SOIL-METHOD DEVELOPMENT AND RECOMMENDATIONS; IN VIVO STUDY, Luchu Duan, University of Newcastle  DYNAMICS OF PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) AND EXPOSURE PATHWAYS IN AFFF-IMPACTED MINING SITES OF WESTERN AUSTRALIA, Fangjie Qi, Universit of Newcastle  ernoon Tea and Poster Viewing - Hall L  ON 4 & 5	173 34 Cherishe	TRIAL, Dr Anu Kumar, CSIRO  SELECTIVE GENERATION OF PHYSICAL SEPARATION TRAITS FOR PROCESSING MATERIAL FROM LANDFILL, Dipling, Paul Demschar, Montanuniversitaet Leoben  Q&A and Open discussion	22	ONTO IRON MINERALS, Ms Bridie Clelland, GCER  ADVANCES IN THE CHARACTERISATION AND REMEDIATION OF LNAPL-CONTAMINATED SITES: INSIGHTS FROM A COLLABORATIVE EFFORT, Dr Jonás García-Rincón, Legion Drilling  VARIETAL DIFFERENCE IN GRAIN TOTAL AND SPECIATED ARSENIC CONCENTRATIONS OF IRRIGATED RICE IN BANGLADESH, Mr Md Imman Ullah Sarkar (presented by Associate Professor Mohammad Mahmudur Rahman),	304	QUANTITATIVE ANALYSIS OF FIVE PESTICIDES TO DETERMINE THEIR PRE-HARVEST INTERVAL IN SRI LANKA BITTER GOURD, Mrs Yoshida Lakshani, University of Newcastle  EMERGING CONTAMINANTS IN CROPS IRRIGATED BY RECYCLED WASTEWATER, Dr		SOIL BIOAVAILABILITY - THE MISSING (B
ASSESSMENT THROUGH THE LATEST SAMPLING AND ANALYTICAL METHODS FOR CONCRETE IMPACTED BY PFAS AT FIRE TRAINING AREAS, Mr Geraint Williams, ALS  ASSESSING THE DISTRIBUTION AND ENVIRONMENTAL RISK OF PFAS AT A HISTORICAL CONCRETE PAD, Dr Matthew Askeland, Ade Consulting Group Pty Ltd  REDUCING PFAS LOADS IN STORMWATER AT A FUEL TERMINAL, Mr Stuart Derham, Aurecon  BIOAVAILABILITY OF PFOA, PFHXS AND PFOS IN SOIL- METHOD DEVELOPMENT AND RECOMMENDATIONS: IN VIVO STUDY, Luchu Duan, University of Newcastle  DYNAMICS OF PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) AND EXPOSURE PATHWAYS IN AFFF-IMPACTED MINING SITES OF WESTERN AUSTRALIA, Fangjie Qi, Universit of Newcastle  ernoon Tea and Poster Viewing - Hall L	173 34 Cherishe	TRIAL, Dr Anu Kumar, CSIRO  SELECTIVE GENERATION OF PHYSICAL SEPARATION TRAITS FOR PROCESSING MATERIAL FROM LANDFILL, Dipling, Paul Demschar, Montanuniversitaet Leoben  Q&A and Open discussion  and by the Indigenous Community Williamstown, Australia Ination: the EU approach,	181	ONTO IRON MINERALS, Ms Bridie Clelland, GCER  ADVANCES IN THE CHARACTERISATION AND REMEDIATION OF LUAPIL-CONTAMINATED SITES: INSIGHTS FROM A COLLABORATIVE EFFORT, Dr Jonás García-Rincón, Legion Drilling  VARIETAL DIFFERENCE IN GRAIN TOTAL AND SPECIATED ARSENIC CONCENTRATIONS OF RIRIGATED RICE IN BANGLADESH, Mr MG IRRIGATED RICE IN BANGLADESH, Mr MG IMPROPRIED FOR STANDARD MARCHAND AND MARCHAN	304	QUANTITATIVE ANALYSIS OF FIVE PESTICIDES TO DETERMINE THEIR PRE-HARVEST INTERVAL IN SRI LANKA BITTER GOURD, Mrs Yoshida Lakshani, University of Newcastle  EMERGING CONTAMINANTS IN CROPS IRRIGATED BY RECYCLED WASTEWATER, Dr		SOIL BIOAVAILABILITY - THE MISSING (B
ASSESSME AND ANA IMPACTEI Mr Gerain  ASSESSING ENVIRON HISTORIC Askeland  BIOAVAIL IN SOIL-A RECOMM DUAN, UN  DYNAMIC SUBSTANC PATHWAI OF WESTE	AL CONCRETE PAD, Dr Matthew, Ade Consulting Group Pty Ltd  G PFAS LOADS IN STORMWATER AT A MINAL, Mr Stuart Derham, Aurecon  ABILITY OF PFOA, PFHXS AND PFOS AETHOD DEVELOPMENT AND IENDATIONS: IN VIVO STIDDY, Luchuriversity of Newcastle  CS OF PER- AND POLYFLUOROALKYL CES (PFAS) AND EXPOSURE (SIN AFFF-IMPACTED MINING SITES ERN AUSTRALIA, Fangjie Qi, University astile	ABILITY OF PFOA, PFHXS AND PFOS AETHOD DEVELOPMENT AND BENDATIONS: IN VIVO STUDY, Luchun viversity of Newcastle  CS OF PER- AND POLYFLUOROALKYL CES (PFAS) AND EXPOSURE S'IN AFF-IMPACTED MINING SITES ERN AUSTRALIA, Fangjie Qi, University astle	ABILITY OF PFOA, PFHXS AND PFOS AETHOD DEVELOPMENT AND ENDATIONS: IN VIVO STUDY, Luchun iversity of Newcastle  SEPARATION TRAITS FOR PROCESSING MATERIAL FROM LANDFILL, Dipling, Paul Demschar, Montanuniversitaet Leoben  SC OF PER- AND POLYFLUOROALKYL CES (PFAS) AND EXPOSURE (S IN AFF-IMPACTED MINING SITES RIN AUSTRALIA. Fangjie Qi, University astle	ABILITY OF PFOA, PFHXS AND PFOS AETHOD DEVELOPMENT AND EINDATIONS; IN VIVO STUDY, Luchun iversity of Newcastle  SEPARATION TRAITS FOR PROCESSING MATERIAL FROM LANDFILL, DiplIng. Paul Demschar, Montanuniversitaet Leoben  22 DESCRIPTION OF PHYSICAL SEPARATION TRAITS FOR PROCESSING MATERIAL FROM LANDFILL, DiplIng. Paul Demschar, Montanuniversitaet Leoben  23 OF PER- AND POLYFLUOROALKYL CES (PFAS) AND EXPOSURE (S IN AFFF-IMPACTED MINING SITES RIN AUSTRALIA, Fangjie Qi, University astle	ABILITY OF PFOA, PFHXS AND PFOS AETHOD DEVELOPMENT AND Luchun 34 SELECTIVE GENERATION OF PHYSICAL SEPARATION TRAITS FOR PROCESSING MATERIAL FROM LANDFILL, DiplIng. Paul Demschar, Montanuniversitaet Leoben 22 SITES: INSIGNED SITES SI	ABILITY OF PPOA, PPHAS AND POS ABILITY OF PPOA, PPHAS AND PPOA, PPOA ABILITY OF PPOA, PPHAS AND PPOA, PPOA ABILITY OF PPOA, PPHAS AND PPOA, PPOA, PPOA ABILITY OF PPOA, PPHAS AND PPOA ABILITY OF PPOA, PPHAS AND PPOA ABILITY OF PPOA, PPHAS AND PPOA ABILITY OF PPOA, PPOA ABILITY OF PPOA, PPAS AND PPOA ABILITY OF PPOA ABILITY OF PPOA, PPOA ABILITY OF INABILITY OF INABILI	ASILITY OF PPOA, PPHS AND POS ASILITY OF PPOA, PPHS AND PPOS ASILITY OF PPOS ASILITY OF PPOS ASILITY OF PPOS ASILITY OF PPHS AND PPOS ASILITY OF PPOS ASILITY OF PPHS AND PPOS ASILITY OF PASS ASILITY OF PROS ASILITY OF PASS ASI	Defining  CS OF PER- AND POLYFLUOROALKYL CS (PFAS) AND EXPOSURE (S IN AFF-IMPACTED MINING SITES KIN AUSTRALIA, Fangjie Qi, University  Q&A and Open discussion  Q&A and Open discussion  Q&A and Open discussion  Q&A and Open discussion  Drilling  VARIETAL DIFFERENCE IN GRAIN TOTAL AND SPECIATED ARSENIC CONCENTRATIONS OF IRRIGATED RICE IN BANGLADESH, Mr Md Imran Illiah Sarkar (presented by Associate Professor Mohammad Mahmudur Rahman), University of Newcastle  EMERGING CONTAMINANTS IN CROPS IRRIGATED BY RECYCLED WASTEWATER, Dr Sijig Li, CSIRO  244  Sijig Li, CSIRO

	Thursda	y, 19 September 2024	City Rooms 1-3
19 2024	9.00 – 10.30		
ay, 1	11.00 – 12.30	Technical Tour departing from West entrance of	PFAS Research Symposium (Invite only)
Thursday, ' September 2	13.30 – 15.00	Mest entrance of Adelaide Convention Centre (Meet at 8:30am for a 9:00AM departure)	City Rooms 1-2
Se =	15.30 – 17.00	(meet al. clocalmiet a vices an acepaniete)	

## POSTER PRESENTATIONS

19 17 PARCES FROM THE SCIENT FOOD RESIDENCY VERSUS ABSOLUTE AMOUNT, WY Oberland Strom Awayerin, GCER, University of Newtonide 19 177 PARS AMALYSS ON THE SCIENT FOOD SYSTEMS IS MONTHS OF ROBUSTNESS DATA, OLD Cherke Lui, SCIEN 19 PECINE AND PRASS QUANTITATION IN HUMAND SERUM AND BLOOD USING VOLUMETRIC ASSORPTIVE MICROSAMPLING [NAME], DY Charle Lui, SCIEN 19 PECINE AND PRASS QUANTITATION IN HUMAND SERUM AND BLOOD USING VOLUMETRIC ASSORPTIVE MICROSAMPLING [NAME], DY Charle Lui, SCIEN 19 PECINE AND PRASS QUANTITATION IN VULREABLE COMPANIES, DY HERRY BILL, EMPROPRIED 20 DETERMINING THE SOURCE OF DOODER FROM A STORMMATTER DESCRIBAGE USING MULTIPLE UNIS OF EVIDENCE APPROACH, Mr. Roberts Zhang, WSF Australia 21 PART MANAGENE THE RESCOP SAMPLING FRAS AT A CHECKNINATED HYDROCARBON STIE, SIG Park, Jacobs 22 PART MANAGENE THE RESCOP SAMPLING FRAS AT A CHECKNINATED HYDROCARBON STIE, SIG Park, Jacobs 23 PART MANAGENE THE RESCOP SAMPLING FRAS AT A CHECKNINATED HYDROCARBON STIE, SIG Park, Jacobs 24 PART MANAGENE THE RESCOP SAMPLING FRAS APPROACH TO OPTIMES PARS REMOVAL EFFICIENCY IN FOAM FRACTIONATION, Mr Justin Bauch, Resco Pay Ltd 25 PART MANAGENE THE DOOR A MIDE OF A AMERICA APPROACH TO OPTIMES PARS REMOVAL EFFICIENCY IN FOAM FRACTIONATION, Mr Justin Bauch, Resco Pay Ltd 26 PART MANAGENE THE DESCRIBATION OF REPORT OF THE PART MANAGENE THE PART MANAGENE FRAS AND THE REMOVER AND MITIGATION POTENTIAL, Mr MM Manuf BILLAU, Global Centre for LD 26 PART MANAGENE THE PART MANAGENE CHEMICALS* MINIFESS PROFECIENCY TESTING, Managene PART MANAGENE THE PART MANAGENE CHEMICALS PART MANAGENE THE PART MANAGENE CHEMICALS PROFECIENCY AND THE RESONAN PROCESSOR AND MITIGATION POTENTIAL, Mr MM Manuf BILLAU, Global Centre for LD 27 PART MANAGENE THE PART TRATIFIED TO ENHANCE IN TESTING, Managene PART AND THE PERFORMANCE, Mr Savash Disvood, University of Newcastle 28 PART MANAGENE THE PART TRATIFIED TO ENHANCE INTERTED THE PROTECTION, National Managene, University of Newcastle 29 PART MANAGENE THE PART TRATIFIED TO ENHANCE INTERTED TO ENTITIES THE	12	P1	EXPLORING THE ECOLOGICAL RISK FOR METAL CONTAMINATION IN SEDIMENTS THROUGH THE APPLICATION OF DGT TECHNIQUE, Ms. Liang-Li Chang, Apollo Technology Co., Ltd.
OBSERVATIONS ON THE ROAD TO UNINICIDE ROSE AT A PETROLLOW PIPULINE RELEASE STIL, MARE Received, GRID  PS DECASCATION OF PIRE, AND NOTIFILIODIDALKY SURFITANCY (PIPA) IN A QUIROUS FILM FORMAND FOAM (APPE) AND FOAM PRACTICIDATE IN UTTRACOUND, Mr. Claiman Sirron Androport, GER., University of Nevociatio  PM UNITACORIC DEFLUCIONALTION OF PERS. EPRICENCY VERSUS ABSOLUTE AND OWN, Mr. Claiman Sirron Androport, GER., University of Nevociatio  PM UNITACORIC DEFLUCIONALTION OF PERS. EPRICENCY VERSUS ABSOLUTE AND OWN, Mr. Claiman Sirron Androport, GER., University of Nevociatio  PM UNITACORIC DEFLUCIONALITION OF PERS. EPRICENCY VERSUS ABSOLUTE AND OWN, Mr. Claiman Sirron Androport, GER., University of Nevociatio  PM UNITACORIC DEFLUCIONALITION OF PERS. EPRICENCY ON THE CONTROL ON THE CONTROL OF PERSONAL PROCESSAND OF PERSONAL P	19	P2	HUNTING THE SOURCE, Brad Dermody, Aurora Environmental
19 PS DEGRECATION OF PISH AND POLYTHUROPORTICS STRIKE (PFAS) IN ADURDUS FILM FORWING FORM (AFFI AND FORM FRACTIONATE BY ULTRISCOUND, MF Olidelas Smein Awayer  19 PA ULTRASCINC DEFLUCIONATION OF PFAS EFFICIENCY VERSUS ASSOLUTE AMOUNT, MF Olivelas Smein Awayerii, CCER, University of Neversitie  19 PFAS AMADSS ON THE SCIEN 7505 SYSTEM 33 WONTHS OF ROBUSTINSS DITA, Or Cheele Liu, SCIEX  19 PFORF AND PFAS CUANTITATION IN HIMMAN SERVIN AND BLOOD USING VOLUMETRIC ABSORPTIVE INCOSAMPLING (VANS), Dr Chaire Liu, SCIEX  19 PFORE AND PFAS CUANTITATION IN HUMAN SERVIN AND BLOOD USING VOLUMETRIC ABSORPTIVE INCOSAMPLING (VANS), Dr Chaire Liu, SCIEX  19 PFOR AND PFAS CUANTITATION IN HUMAN SERVIN AND BLOOD USING VOLUMETRIC ABSORPTIVE INCOSAMPLING (VANS), Dr Chaire Liu, SCIEX  19 DETERMINING THE SOURCE OF ODDING FROM A 3TORMWATER DEGLARD USING MULTIPLE LINES OF EVIDENCE APPROACH, Mr. Rederick Zeing, WEP Australia  10 DETERMINING THE SOURCE OF ODDING FROM A 3TORMWATER DEGLARD USING MULTIPLE LINES OF EVIDENCE APPROACH, Mr. Rederick Zeing, WEP Australia  10 DETERMINING THE SIGN OF SAMPLING FRAS A CHOINMATE PROBLEMS PHAS REMOVAL EFFICIENCY IN FORM FRACTIONATION, Mr. Indian Basiles, Every Py LEG  11 MANACHIST THE RED FOR A WAXED GAS APPROACH TO OPTIMISE PHAS REMOVAL EFFICIENCY IN FORM FRACTIONATION, Mr. Indian Basiles, Every Py LEG  11 MANE YOUR OWN SUITANABLE AND GENERAL AS GRADE INTOGEN GAS, Dr NIGOR PROBLEM FRAC SCIENT?  12 PFA SOUR VARIOUS CONCENTRATION PROFILING TO DESTRICT, AND TRUCK CONTRATIONAL TRANSPORT OF THE MEDICAL SCIENT FROM AN INCREMING SEA LIVE AND INTURDAD. Mr. AND	23	P3	INVESTIGATION OF MOBILE, RESIDUAL, AND ENTRAPPED LNAPL USING LASER-INDUCED FLUORESCENCE AS A LINE OF EVIDENCE, Dr Jonás García-Rincón, Legion Drilling
19 17 PARCES FROM THE SCIENT FOOD RESIDENCY VERSUS ABSOLUTE AMOUNT, WY Oberland Strom Awayerin, GCER, University of Newtonide 19 177 PARS AMALYSS ON THE SCIENT FOOD SYSTEMS IS MONTHS OF ROBUSTNESS DATA, OLD Cherke Lui, SCIEN 19 PECINE AND PRASS QUANTITATION IN HUMAND SERUM AND BLOOD USING VOLUMETRIC ASSORPTIVE MICROSAMPLING [NAME], DY Charle Lui, SCIEN 19 PECINE AND PRASS QUANTITATION IN HUMAND SERUM AND BLOOD USING VOLUMETRIC ASSORPTIVE MICROSAMPLING [NAME], DY Charle Lui, SCIEN 19 PECINE AND PRASS QUANTITATION IN VULREABLE COMPANIES, DY HERRY BILL, EMPROPRIED 20 DETERMINING THE SOURCE OF DOODER FROM A STORMMATTER DESCRIBAGE USING MULTIPLE UNIS OF EVIDENCE APPROACH, Mr. Roberts Zhang, WSF Australia 21 PART MANAGENE THE RESCOP SAMPLING FRAS AT A CHECKNINATED HYDROCARBON STIE, SIG Park, Jacobs 22 PART MANAGENE THE RESCOP SAMPLING FRAS AT A CHECKNINATED HYDROCARBON STIE, SIG Park, Jacobs 23 PART MANAGENE THE RESCOP SAMPLING FRAS AT A CHECKNINATED HYDROCARBON STIE, SIG Park, Jacobs 24 PART MANAGENE THE RESCOP SAMPLING FRAS APPROACH TO OPTIMES PARS REMOVAL EFFICIENCY IN FOAM FRACTIONATION, Mr Justin Bauch, Resco Pay Ltd 25 PART MANAGENE THE DOOR A MIDE OF A AMERICA APPROACH TO OPTIMES PARS REMOVAL EFFICIENCY IN FOAM FRACTIONATION, Mr Justin Bauch, Resco Pay Ltd 26 PART MANAGENE THE DESCRIBATION OF REPORT OF THE PART MANAGENE THE PART MANAGENE FRAS AND THE REMOVER AND MITIGATION POTENTIAL, Mr MM Manuf BILLAU, Global Centre for LD 26 PART MANAGENE THE PART MANAGENE CHEMICALS* MINIFESS PROFECIENCY TESTING, Managene PART MANAGENE THE PART MANAGENE CHEMICALS PART MANAGENE THE PART MANAGENE CHEMICALS PROFECIENCY AND THE RESONAN PROCESSOR AND MITIGATION POTENTIAL, Mr MM Manuf BILLAU, Global Centre for LD 27 PART MANAGENE THE PART TRATIFIED TO ENHANCE IN TESTING, Managene PART AND THE PERFORMANCE, Mr Savash Disvood, University of Newcastle 28 PART MANAGENE THE PART TRATIFIED TO ENHANCE INTERTED THE PROTECTION, National Managene, University of Newcastle 29 PART MANAGENE THE PART TRATIFIED TO ENHANCE INTERTED TO ENTITIES THE	35	P4	OBSERVATIONS ON THE ROAD TO ENHANCING NSZD AT A PETROLEUM PIPELINE RELEASE SITE, Matt Rousseau, GHD
PAS AMALYSS ON THE SOEX 7500 SYSTEM: 15 MONTHS OF ROBUSTNESS DATA, Dr Charle Liu, SCIEX  PROPILE AND FYAS: QUANTITATION IN HUMAN SERUM AND BLOOD USING VOLUMETRIC ASSORPTIVE MICROSAMPLING (VAMS), Dr Charle Liu, SCIEX  PROPILE AND FYAS: QUANTITATION IN HUMAN SERUM AND BLOOD USING VOLUMETRIC ASSORPTIVE MICROSAMPLING (VAMS), Dr Charle Liu, SCIEX  PROPILE AND FYAS: QUANTITATION IN HUMAN SERUM AND BLOOD USING WOLUMETRIC ASSORPTIVE MICROSAMPLING (VAMS), Dr Charle Liu, SCIEX  PROPILE AND FYAS: QUANTITATION IN HUMAN SERUM AND BLOOD USING MULTIPLE LIKES OF EVIDENCE APPROACH, Mr. Roderick Zhang, WSP Australia  PROPILE AND RECORD THE REST OF SAMPLING FYAS AT A CHIORINATED HYDROCARBON SITE, Sid Park, Isacels  PROPILE AND RECORD THE REST OF SAMPLING FYAS AT A CHIORINATED HYDROCARBON SITE, Sid Park, Isacels  PROPILE AND RECORD THE REST OF SAMPLING FYAS AT A CHIORINATED HYDROCARBON SITE, Sid Park, Isacels  PROPILE AND RECORD THE REST OF SAMPLING FYAS AT A CHIORINATED HYDROCARBON SITE, Sid Park, Isacels  PROPILE AND RESTOR OF THE REST OF SAMPLING FYAS AT A CHIORINATED HYDROCARBON SITE, Sid Park, Isacels  PROPILE AND RESTOR OF THE RESTOR SAMPLING FYAS AT A CHIORINATED HYDROCARBON SITE, Sid Park, Isacels  PROPILE AND RESTOR OF THE RESTOR OF SAMPLING GREEN LAG GRADE NYTHORS. FYAS REMOVAL EXPERIENCE IN FORM FRACTIONATION, PARK SCIENTIFIC  PROPILE AND RESTOR OF THE RESTOR OF SAMPLING GREEN LAG GRADE NYTHORS. FYAS REMOVED SID SID SID SID SID SID SID SID SID SI	37	P5	DEGRADATION OF PER- AND POLYFLUOROALKYL SUBSTANCE (PFAS) IN AQUEOUS FILM FORMING FOAM (AFFF) AND FOAM FRACTIONATE BY ULTRASOUND., Mr Olalekan Simon Awoyemi, GCER, University of Newcastle
PEOPLE AND PEAS QUANTITATION IN PULMAN SERUM AND BLOOD USING VOLUMETRIC ASSORPTIVE MICROSAMPLING (VAMAS), Or Charlle Lill, SCIEX  PLEAD ADATEMENT AND ISSULATION IN VALEBABLE COMMUNITES, DY Henry Ellis, Enviropacitic  PLEAD ADATEMENT AND ISSULATION IN VALEBABLE COMMUNITES, DY Henry Ellis, Enviropacitic  PLEAD ADATEMENT AND ISSULATION IN VALEBABLE COMMUNITES, DY Henry Ellis, Enviropacitic  PLEAD ADATEMENT AND ISSULATION IN VALEBABLE COMMUNITES, DY Henry Ellis, Enviropacitic  PLEAD ADATEMENT AND ISSULATION IN VALEBABLE COMMUNITES, DY Henry Ellis, Enviropacitic  PLEAD ADATEMENT AND ISSULATION IN VALEBABLE COMMUNITES PEAS REMOVAL EFFICIENCY IN POAM FRACTIONATION, Mr. Justin Baildy, Nucce Physical  PLEAD ADATEMENT PRECIPION REGARDING GERENIAGOS GAS ENTERGEN GAS, DY Novie Pendial, PLAN Scientific  PLEAD ADATEMENT PRECIPION REGARDING GERENIAGOS GAS ENTERGEN GAS, DY Novie Pendial, PLAN Scientific  PLEAD ADATEMENT PRECIPION REGARDING GERENIAGOS GAS ENTERGEN GAS, DY Novie Pendial, PLAN Scientific  PLEAD ADATEMENT PRECIPION REGARDING GERENIAGOS GAS ENTERGEN GAS, DY Novie Pendial, PLAN Scientific  PLEAD ADATEMENT PRECIPION REGARDING GERENIAGOS GAS ENTERGEN GAS, DY Novie Pendial, PLAN Scientific  PLEAD ADATEMENT PRECIPION REGARDING GERENIAGOS GAS ENTERGEN GAS, DY Novie Pendial, PLAN Scientific  PLEAD ADATEMENT PRECIPION REGARDING GERENIAGOS GAS ENTERGEN GAS, DY NOVIE PENDIAGO, PLAN SCIENTIFIC  PLEAD ADATEMENT PRECIPION REGARDING GERENIAGOS GAS ENTERGENTAMENT SOURCE ZONES USING THE NEW HEADSPACE—VAIL SAMPLING & ANALYSIS METHOD, Mr. Adrian Heagys, VOSP  PLEAD ADATEMENT ON TOROCHOMICAL EFFECT OF BALL MILLING ON VARIOUS PAUL DYSTITE RANDOUGES AND THER CARBON CAPTURE PERFORMANCE, MY SINVASI DAVIOUS, UNIVERSITY OF NOVICE PRECIPION AND ADATEMENT OF NOVICE PRECIPION AND ADATEMENT OF NOVICE PENDIAGOS AND ADATEMENT OF NOVICE PRECIPION AND ADATEMENT OF PERFORMANCE, MY SINVAS DAVIOUS AND ADATEMENT OF NOVICE PRECIPION AND ADATEMENT OF NO	38	P6	ULTRASONIC DEFLUORINATION OF PFAS: EFFICIENCY VERSUS ABSOLUTE AMOUNT, Mr Olalekan Simon Awoyemi, GCER, University of Newcastle
151 P1 LEAD ABATEMENT AND ISOLATION IN VULERABLE COMMUNITIES, Dr. Herry Ellis, Enviroppedfic 152 P10 DETERMINING THE SOURCE OF DOOUR FROM A STORMWATER DISOMANCE USING MULTIPLE LINES OF EVIDENCE APPROACH, Mr. Roderick Zhang, WSP Australia 153 P11 MANAGING THE RISK OF SAMPLING PRIS AT A CHLORIMATED INFOROCARBON STIE, SID Park, Jacobs 154 P12 REINFORCING THE NEED FOR A MIXED-GAS APPROACH TO OPTIMISE PFAS REMOVAL EFFICIENCY IN FOAM FRACTIONATION, Mr. Justin Baulch, Evocra Pty Ltd 155 P13 MARE YOUR OWN SUSTAINABLE AND GREEN LAR GRADE INTROGEN GAS, Dr. Nicole Pendler, FEAK Scientific 156 P14 PARMETS PERCEPTION REGARDING GREEN LAR GRADE INTROGEN GAS, Dr. Nicole Pendler, FEAK Scientific 157 P15 SOIL VAPOUR CONN SUSTAINABLE AND GREEN LAR GRADE INTROGEN GAS, Dr. Nicole Pendler, FEAK Scientific 158 P16 PARMETS PERCEPTION REGARDING GREEN HAVE GREEN STRONG PROM RICE CULTIVATION IN BANGLADESH AND MITIGATION POTENTIAL, Nor Mis Marrier BILLAH, Global Centre for Entermediation 159 P15 SOIL VAPOUR CONCENTRATION PROFILING TO IDENTIFY CONTAMINANT SOURCE ZONES USING THE NEW HEADSPACE IN VIAL SAMPLING & ANALYSIS METHOD, Mr. Adrian Heggie, WSP 150 P16 THE MICHARD CHANGE CONCERN GROUNDWATER RISE AND GROCHEMICAL AFFECTS FROM AN INCREASING SEA LEVEL AND INFLUENCE ON CONTAMINANT CONDITIONS, SOIL WAY 150 UNIVERSITY OF NEWGRIEL, AUSTRAL FREE BITTOR ON USA. DEPENDENCE AND THE REPORT OF NEW PLANS OF THE PROFILED ON CONTROLLED RELEASE INTROGENOUS FERTILIZER TO ENHANCE NUTRIENT USE EFFICIENCY, ANIMARIA AND REPORTING PRYLED 150 P17 KOTHMA HUEL TERMINAL DEMOLITION - ONALLENGES IN REMOTE SITE REMEDIATION, Mr. ISBAC Segal, Benefielder 151 P18 VEOLAL LANDFILL EXCHATE PAYS TREATMENT JOURNEY, DON KUIL, Veolia 152 P17 KOTHMA HUEL TERMINAL DEMOLITION - ONALLENGES IN REMOTE SITE REMEDIATION, Mr. ISBAC Segal, Benefielder 153 DEVELOPMENT OF AN ON SITE THRESHOLD DETECTION TOOL FOR PROPOCACABRION CONTAMINATION IN SOILS, And. Develoria Remonal, Zitiek 154 P17 ROTHMAN HUEL TERMINAL DEMOLITION - A PROPOSED BASE MENT DEVELOPMENT CASE STUDY, CATHORIC ADMINISTRES	43	P7	PFAS ANALYSIS ON THE SCIEX 7500 SYSTEM: 15 MONTHS OF ROBUSTNESS DATA, Dr Charlie Liu, SCIEX
P10 DETERMINING THE SOURCE OF DOOUR FROM A STORMWATER DISCHARGE USING MULTIPLE LINES OF EVIDENCE APPROACH, Mr. Roderick Zhang, WSP Australia  P11 MANAGING THE RISK OF SAMPLING PYSS AT A CHLORINATED HYDROCARBON STE, Sid Park, Likcobs  P12 REINFORCING THE REED FOR A MIXED-GAS APPROACH TO OPTIMISE PYSS REMOVAL EFFICIENCY IN FOAM FRACTIONATION, Mr. Justin Baukin, Evicira Pty Ltd  P13 MAKE YOUR OWN SUSTAINABLE AND GREEN LAB GRADE INTROGEN GAS, Dr. Nicole Pendini, PEAK Scientific  P14 FARMERS' PERCEPTION REGARDING GREENHOUSE GAS EMISSIONS FROM RICE CULTIVATION IN BANGLADESH AND MITIGATION POTENTIAL, Mr. Mid Manuf Billani, Global Centre For Pr. Remediation  P15 SOIL VAPOUR CONCENTRATION PROFILING TO IDENTIFY CONTAMINANT SOURCE ZONES USING THE NEW HEADSPACE-IN-VIAL SAMPLING & ANALYSIS METHOD, Mr. Addison Heggie, WSF  P16 TOREVER EVOLVING" FOR "POREVER CHEMICALS" IN MI PPAS PROFICIENCY TESTING, Mark Lewin, National Measurement Institute  P17 THE MECHANOCHEMICAL EFFECT OF BALL MILLING ON VARIOUS HALLOYSITE NANOTURES AND THEIR CARBON CAPTURE PERFORMANCE, Mr. Siavash Davood, University of Newcastle  P18 AND CLUMATE-CHANGE CONCERN. GROUNDWATER RISE AND GEOCHEMICAL AFFECTS FROM AN INCREASING SEA LEVEL AND INFLIENCE ON CONTAMINANT CONDITIONS, South Was University of Newcastle.  P17 CONTROLLED RELEASE NITROGENOUS FERTILIZER TO ENHANCE NUTRIENT USE EFFICIENCY, Anjuman Aria Rajonne, University of Newcastle  P18 AND CONTROLLED RELEASE NITROGENOUS FERTILIZER TO ENHANCE NUTRIENT USE EFFICIENCY, Anjuman Aria Rajonne, University of Newcastle  P18 AND CONTROLLED RELEASE NITROGENOUS FERTILIZER TO ENHANCE NUTRIENT USE EFFICIENCY, Anjuman Aria Rajonne, University of Newcastle  P19 AND CONTROLLED RELEASE NITROGENOUS FERTILIZER TO ENHANCE NUTRIENT USE EFFICIENCY, Anjuman Aria Rajonne, University of Newcastle  P19 AND CONTROLLED RELEASE NITROGENOUS FERTILIZER TO ENHANCE NUTRIENT USE EFFICIENCY, Anjuman Aria Rajonne, University of Newcastle  P19 AND CONTROLLED RELEASE NITROGENOUS FERTILIZER TO ENHANCE NUTRIENT USE EFFICIENCY, Anjuman Aria Ra	45	P8	PEOPLE AND PFAS: QUANTITATION IN HUMAN SERUM AND BLOOD USING VOLUMETRIC ABSORPTIVE MICROSAMPLING (VAMS), Dr Charlie Liu, SCIEX
P11 MANAGING THE RISK OF SAMPLING PEAS AT A CHLORINATED HYDROCARBON SITE, Sid Pairs, Jacobs  P12 REINFORCING THE NEED FOR A MIXED GAS APPROACH TO OPTIMISE PEAS REMOVAL EFFICIENCY IN FORM FRACTIONATION, Mr Justin Bauich, Evocra Pty Ltd  P13 MAIRE YOUR OWN SUSTAINABLE AND GREEN LAB GRADE NITROGEN GAS, Dr Nicole Pendini, PEAR Scientific  P14 FARM RS; PERCEPTION REGARDING GREEN LAB GRADE NITROGEN GAS, Dr Nicole Pendini, PEAR Scientific  P15 SOIL VAPOUR CONCENTRATION PROFILING TO IDENTIFY CONTAMINANT SOURCE ZONES USING THE NEW HEADSPACE-IN-VIAL SAMPLING & ANALYSIS METHOD, Mr Adrian Heggle, WSP  P16 **FOREVER EVOLVING** FOR "*FOREVER CHEMICALS** NMI PFAS PROFICIENCY TESTING, Mark Lewin, National Measurement Institute  P17 **THE MECHANIOCHEMICAL EFFECT OF BALL MILLING ON VARIOUS HALLOYSITE NANOTURES AND THEIR CARBON CAPTURE PERFORMANCE, Mr Siavash Dawoodi, University of Newcastle  P18 **A NEW CLIMATE-CHANGE CONCERN: GROUNDWATER RISE AND GEOCHEMICAL AFFECTS FROM AN INCREASING SEA LEVEL AND INFLUENCE ON CONTAMINANT CONDITIONS, Scott Was University of NewCastle.  P19 **CONTROLLED RELEASE NITROGENOUS FERTILIZER TO ENHANCE NUTRIENT USE EFFICIENCY, Anjuman Ara Rigionee, University of Newcastle  P19 **VICULA LANDFILL LEACHATE PFASTREATMENT JOURNEY, Don Kuall, Veolila  P10 **VICULA LANDFILL LEACHATE PFASTREATMENT JOURNEY, Don Kuall, Veolila  P11 **PORCOCARBON RISK TO REMEDIATION - A PROPOSED BASEMENT DEVELOPMENT CASE STUDY, Kathleen Prohasky, ERM Australia Pty Ltd  P17 **RIGIM CONVENIENCE TO CONCERN; INCROPLISTIC SHEEDING BETWEEN BOTTLES AND LAND IN SOLS, Ms. Deckha Benival, Zilick  P18 **FROM CONVENIENCE TO CONCERN; INCROPLISTIC SHEEDING BETWEEN BOTTLES AND LAND IN SUBJECT, Mr. Splan Liu, University of Newcastle  P19 **FROM CONVENIENCE TO CONCERN; INCROPLISTIC SHEEDING BETWEEN BOTTLES AND LAND IN DEER CAMMIUM STRESS, Mr. Torolaha Global Center for Environmental Remediation (Conversity of Newcastle  P19 **UNDERSTANDING THE USE, OCCURRENCE, AND POTENTIAL HISRS OF RET FUEL ADDITIVES, Or Chamilia Samarasinghe (presented by Or Ya	51	P9	LEAD ABATEMENT AND ISOLATION IN VULERABLE COMMUNITIES, Dr Henry Ellis, Enviropacific
P12 REINFORCING THE NEED FOR A MIXED-GAS APPROACH TO OPTIMISE PFAS REMOVAL EFFICIENCY IN FOAM FRACTIONATION, MY Justin Baulch, Evocra Pty Ltd  P13 MAKE YOUR OWN SUSTAINABLE AND GREEN LAB GRADE NITROGEN GAS, Dr. Nicole Pendiril, PEAK Scientific  P14 FARMERS' PERCEPTION REGARDING GREENHOUSE GAS EMISSIONS FROM RICE CULTIVATION IN BANGLADESH AND MITIGATION POTENTIAL, MY Md Marvif BILLAH, Global Centre For Entermidation  P15 SOIL VAPOUR CONCENTRATION PROFILING TO IDENTIFY CONTAMINANT SOURCE ZONES USING THE NEW HEADSPACE IN VIAL SAMPLING & ANALYSIS METHOD, MY Admin Heighle, WSP  P16 "FOREVER EVOLVING" FOR "FOREVER CHEMICALS" NMI PFAS PROFICIENCY TESTING, Mark Lewin, National Measurement Institute  P17 THE MECHANOCHEMICAL EFFECT OF BALL MILLING ON VARIOUS HALLOYSITE NANOTURES AND THEIR CARBON CAPTURE PERFORMANCE, MY Slawach Davood, University of Newcastle  P18 AND CHIMATE-CHANGE CONCERN: GROUNDWATER RISE AND GEOCHEMICAL AFFECTS FROM AN INCREASING SEA LEVEL AND INFLUENCE ON CONTAMINANT CONDITIONS, Stott Was  P19 CONTROLLED RELEASE NITROGENOUS FERTILIZER TO ENHANCE NUTRIENT USE EFFICIENCY, Anjuman Ara Rajonnee, University of Newcastle  P19 VEOLIA LANDPILLE ACHATE PFAS TREATMENT JOURNEY, DON KUAL, Veolia  P10 VEOLIA LANDPILLE ACHATE PFAS TREATMENT JOURNEY, DON KUAL, Veolia  P11 PORTOCARBON RISK TO REMEDIATION — A PROPOSED BASEMENT DEVELOPMENT CASE STUDY, Kathleen Prohasky, ERM Australia Psy Ltd  P17 PORTOCARBON RISK TO REMEDIATION — A PROPOSED BASEMENT DEVELOPMENT CASE STUDY, Kathleen Prohasky, ERM Australia Psy Ltd  P18 POW CONVENIENCE TO CONCERN: MICROPLASTIC SHEDDING BETWEEN BOTTLES AND CAPS IN CONSUMER PRODUCTS, MY Sylvan Liu, University of Newcastle  P19 EFFECT OF SILCON NANOPARTICLES ON CADMIUM TRANSLOCATION AND YIELD OF RICE UNDER CADMIUM STRESS, MI Tofall Hosain, Global Centre For Environmental Remediation (CUNIVERSITY OF NEWcastle)  P19 UNDERSTANDING THE USE, OCCURRENCE, AND POTENTIAL RISKS OF JET FUEL ADDITIVES, Dr Chamilia Samarasinghe (presented by Dr Yanju Liu, J.), Global Centre For Environmental Remediatio	54	P10	DETERMINING THE SOURCE OF ODOUR FROM A STORMWATER DISCHARGE USING MULTIPLE LINES OF EVIDENCE APPROACH, Mr. Roderick Zhang, WSP Australia
P13 MAKE YOUR OWN SUSTAINABLE AND GREEN LAB GRADE NITROGEN GAS, Dr Nicole Pendini, PEAK Scientific  P14 FARMERS' PERCEPTION REGARDING GREENHOUSE GAS EMISSIONS FROM RICE CULTIVATION IN BANGLADESH AND MITIGATION POTENTIAL, Mr Md Manuf BILLAH, Global Centre For Enterediation  P15 SOIL VAPOUR CONCENTRATION PROFILING TO IDENTIFY CONTAMINANT SOURCE ZONES USING THE NEW HEADSPACE-IN-VIAL SAMPLING & ANALYSIS METHOD, Mr Adrian Heggie, WSP  P16 "FOREVER EVOLVING" FOR "FOREVER CHEMICALS" NMI PFAS PROFICIENCY TESTING, Mark Lewin, National Measurement Institute  P17 THE MECHANOCHEMICAL EFFECT OF BALL MILLING ON VARIOUS HALLOYSITE NANOTURES AND THEIR CARBON CAPTURE PERFORMANCE, Mr Siavash Davoodi, University of Newcastle  P18 A NEW CLIMATE CHANGE CONCERN; GROUNDWATER RISE AND GEOCHEMICAL AFFECTS FROM AN INCREASING SEA LEVEL AND INFLUENCE ON CONTAMINANT CONDITIONS, Scott Was University of Newcastle, Australia 7681 Group USA  P19 CONTROLLED RELEASE NITROGENOUS FERTILIZER TO ENHANCE NUTRIENT USE EFFCIENCY, Anjuman Ara Rajonee, University of Newcastle  P20 VEOLA LANDFILL EACHATE PFAS TREATMENT JOURNEY, Don Kuai, Veolia  P21 ROTUMA FUEL TERMINAL DEMOLITION - CHALLENGES IN REMOTE SITE REMEDIATION, Mr Isaac Segal, Kleinfelder  P22 HYDROCARBON RISK TO REMEDIATION - A PROPOSED BASEMENT DEVELOPMENT CASE STUDY, Kathieen Prohasky, ERM Australia Pty Ltd  P23 DEVELOPMENT OF AN ON-SITE THRESHOLD DETECTION TOOL FOR HYDROCARBON CONTAMINATION IN SOILS, Ms. Deeksha Beniwal, Zilbek  P24 FROM CONVENIENCE TO CONCERN: MICROPLASTIC SHEDDING BETWEEN BOTTLES AND CAPS IN CONSUMER PRODUCTS. Mr Siyuan Liu, University of Newcastle  P25 EFFECT OF SILUCON NANOPARTICLES ON CADMIUM TRANSLOCATION AND VIELD OF RICE UNDER CADMIUM STRESS , Md Tofall Hosain, Global Centre For Environmental Remediation (Cultiversity of Newcastle)  P26 UNDERSTANDING THE USE, OCCURRENCE, AND POTENTIAL RISKS OF JET FUEL ADDITIVES, Dr Chamilia Samarasinghe (presented by Dr Yanju Liu), Global Centre for Environmental Remediation (Cultiversity of Newcastle)	72	P11	MANAGING THE RISK OF SAMPLING PFAS AT A CHLORINATED HYDROCARBON SITE, Sid Park, Jacobs
FARMERS' PERCEPTION REGARDING GREENHOUSE GAS EMISSIONS FROM RICE CULTIVATION IN BANGLADESH AND MITIGATION POTENTIAL, Mr Md Maruf BILLAH, Global Centre For Entermediation  P15 SOIL VAPOUR CONCENTRATION PROFILING TO IDENTIFY CONTAMINANT SOURCE ZONES USING THE NEW HEADSPACE-IN-VIAL SAMPLING & ANALYSIS METHOD, Mr Adrian Heggie, WSF  115 P16 "FOREVER EVOLVING" FOR "FOREVER CHEMICALS" NMI PFAS PROFICIENCY TESTING, Mark Lewin, National Measurement Institute  122 P17 THE MECHANOCHEMICAL EFFECT OF BALL MILLING ON VARIOUS HALLOYSITE NANOTURES AND THEIR CARBON CAPTURE PERFORMANCE, Mr Siavash Davoodi, University of Newcastle  126 P18 A NEW CLIMATE-CHANGE CONCERN: GROUNDWATER RISE AND GEOCHEMICAL AFFECTS FROM AN INCREASING SEA LEVEL AND INFLUENCE ON CONTAMINANT CONDITIONS, SCOIT WAS UNiversity of Newcastle, Australia / BBJ Group USA  130 P19 CONTROLLED RELEASE NITROGENOUS FERTILIZER TO ENHANCE NUTRIENT USE EFFICIENCY, Anjuman Ara Rajonee, University of Newcastle  133 P20 VEOLIA LANDFILL LEACHATE PFAS TREATMENT JOURNEY, Don Kual, Veolia  134 P21 ROTUMA FUEL TERMINAL DEMOLITION - CHALLENGES IN REMOTE SITE REMEDIATION, Mr Isaac Segal, Kleinfelder  135 P20 VEOLIA LANDFILL LEACHATE PFAS TREATMENT JOURNEY, Don Kual, Veolia  136 P21 ROTUMA FUEL TERMINAL DEMOLITION - CHALLENGES IN REMOTE SITE REMEDIATION, Mr Isaac Segal, Kleinfelder  137 P28 PROM CONVENIENCE TO CONCERN: MICROPLASTIC SHEDDING BETWEEN BOTTLES AND CAPS IN CONSUMER PRODUCTS, Mr Siyuan Liu, University of Newcastle  137 P28 FERCT OF SILICON NANOPARTICLES ON CADMIUM TRANSLOCATION AND VIELD OF RICE UNDER CADMIUM STRESS, Md Tofail Hosain, Global Centre For Environmental Remediation (CUNIVERSITY Of Newcastle  138 P29 UNDERSTANDING THE USE, OCCURRENCE, AND POTENTIAL RISKS OF JET FUEL ADDITIVES, Dr Chamilia Samarasinghe (presented by Dr Yanju Liu), Global Centre for Environmental Remediation (CUNIVERS) of Newcastle  138 P29 UNDERSTANDING THE USE, OCCURRENCE, AND POTENTIAL RISKS OF JET FUEL ADDITIVES, Dr Chamilia Samarasinghe (presented by Dr Yanju Liu), Global Centre for Envir	75	P12	REINFORCING THE NEED FOR A MIXED-GAS APPROACH TO OPTIMISE PFAS REMOVAL EFFICIENCY IN FOAM FRACTIONATION, Mr Justin Baulch, Evocra Pty Ltd
P15 SOIL VAPOUR CONCENTRATION PROFILING TO IDENTIFY CONTAMINANT SOURCE ZONES USING THE NEW HEADSPACE-IN-VIAL SAMPLING & ANALYSIS METHOD, Mr Adrian Heggie, WSP P16 "FOREVER EVOLVING" FOR "FOREVER CHEMICALS" NMI PFAS PROFICIENCY TESTING, Mark Lewin, National Measurement Institute  P17 THE MECHANOCHEMICAL EFFECT OF BALL MILLING ON VARIOUS HALLOYSITE NANOTUBES AND THEIR CARBON CAPTURE PERFORMANCE, Mr Siavash Davoodi, University of Newcastle  P18 University of Newcastle, Australia / BBI Group USA  P19 CONTROLLED RELEASE NITROGENOUS FERTILIZER TO ENHANCE NUTRIENT USE EFFICIENCY, Anjuman Ara Rajonee, University of Newcastle  P20 VEOLIA LANDFILL LEACHATE PFAS TREATMENT JOURNEY, Don Kuaj, Veolia  P21 ROTUMA FUEL TERMINAL DEMOLITION - A PROPOSED BASEMENT DEVELOPMENT CASE STUDY, Kathleen Prohasky, ERM Australia Pty Ltd  P22 HYDROCARBON RISK TO REMEDIATION - A PROPOSED BASEMENT DEVELOPMENT CASE STUDY, Kathleen Prohasky, ERM Australia Pty Ltd  P23 DEVELOPMENT OF AN ON-SITE THRESHOLD DETECTION TOOL FOR HYDROCARBON CONTAMINATION IN SOILS, Mrs. Decksha Beniwal, Ziltek  P24 FROM CONVENIENCE TO CONCERN: MICROPLASTIC SHEDDING BETWEEN BOTTLES AND CAPS IN CONSUMER PRODUCTS, Mr Shyuan Liu, University of Newcastle  P25 EFFECT OF SILICON NANOPARTICLES ON CADMIUM TRANSLOCATION AND YIELD OF RICE UNDER CADMIUM STRESS, Mid Tofail Hosain, Global Centre For Environmental Remediation (C) University of Newcastle  UNDERSTANDING THE USE, OCCURRENCE, AND POTENTIAL RISKS OF JET FUEL ADDITIVES, Dr Chamila Samarasinghe (presented by Dr Yanju Liu), Global Centre for Environmental Remediation (C) University of Newcastle	93	P13	MAKE YOUR OWN SUSTAINABLE AND GREEN LAB GRADE NITROGEN GAS, Dr Nicole Pendini, PEAK Scientific
115 P16 "FOREVER EVOLVING" FOR "FOREVER CHEMICALS" NMI PFAS PROFICIENCY TESTING, Mark Lewin, National Measurement Institute  127 THE MECHANOCHEMICAL EFFECT OF BALL MILLING ON VARIOUS HALLOYSITE NANOTUBES AND THEIR CARBON CAPTURE PERFORMANCE, Mr Siavash Davoodi, University of Newcastle  128 P18 A NEW CLIMATE-CHANGE CONCERN: GROUNDWATER RISE AND GEOCHEMICAL AFFECTS FROM AN INCREASING SEA LEVEL AND INFLUENCE ON CONTAMINANT CONDITIONS, Scott Was University of Newcastle, Australia / BBJ Group USA  130 P17 CONTROLLED RELEASE NITROGENOUS FERTILIZER TO ENHANCE NUTRIENT USE EFFICIENCY, Anjuman Ara Rajonee, University of Newcastle  133 P20 VEOLIA LANDFILL LEACHATE PFAS TREATMENT JOURNEY, Don Kual, Veolia  139 P21 ROTUMA FUEL TERMINAL DEMOLITION - CHALLENGES IN REMOTE SITE REMEDIATION, Mr Isaac Segal, Kleinfelder  144 P22 HYDROCARBON RISK TO REMEDIATION — A PROPOSED BASEMENT DEVELOPMENT CASE STUDY, Kathleen Prohasky, ERM Australia Pty Ltd  146 P23 DEVELOPMENT OF AN ON-SITE THRESHOLD DETECTION TOOL FOR HYDROCARBON CONTAMINATION IN SOILS, Ms. Deeksha Beniwal, Ziltek  179 P24 FROM CONVENIENCE TO CONCERN: MICROPLASTIC SHEDDING BETWEEN BOTTLES AND CAPS IN CONSUMER PRODUCTS, Mr Siyuan Liu, University of Newcastle  179 P25 EFFECT OF SILICON NANOPARTICLES ON CADMIUM TRANSLOCATION AND YIELD OF RICE UNDER CADMIUM STRESS, Md Tofall Hosain, Global Centre for Environmental Remediation (CUNIVERSITY of Newcastle)  183 P26 UNDERSTANDING THE USE, OCCURRENCE, AND POTENTIAL RISKS OF JET FUEL ADDITIVES, Dr Chamila Samarasinghe (presented by Dr Yanju Liu), Global Centre for Environmental Remediation (CUNIVERS).	102	P14	FARMERS' PERCEPTION REGARDING GREENHOUSE GAS EMISSIONS FROM RICE CULTIVATION IN BANGLADESH AND MITIGATION POTENTIAL, Mr Md Maruf BILLAH, Global Centre For Environmental Remediation
122 P17 THE MECHANOCHEMICAL EFFECT OF BALL MILLING ON VARIOUS HALLOYSITE NANOTUBES AND THEIR CARBON CAPTURE PERFORMANCE, Mr Siavash Davoodi, University of Newcastle  128 P18 A NEW CLIMATE-CHANGE CONCERN: GROUNDWATER RISE AND GEOCHEMICAL AFFECTS FROM AN INCREASING SEA LEVEL AND INFLUENCE ON CONTAMINANT CONDITIONS, Scott Was University of Newcastle, Australia / BBJ Group USA  130 P19 CONTROLLED RELEASE NITROGENOUS FERTILIZER TO ENHANCE NUTRIENT USE EFFICIENCY, Anjuman Ara Rajonee, University of Newcastle  133 P20 VEOLIA LANDFILL LEACHATE PFAS TREATMENT JOURNEY, Don Kuai, Veolia  139 P21 ROTUMA FUEL TERMINAL DEMOLITION - CHALLENGES IN REMOTE SITE REMEDIATION, Mr Isaac Segal, Kleinfelder  144 P22 HYDROCARBON RISK TO REMEDIATION - A PROPOSED BASEMENT DEVELOPMENT CASE STUDY, Kathleen Prohasky, ERM Australia Pty Ltd  146 P23 DEVELOPMENT OF AN ON-SITE THRESHOLD DETECTION TOOL FOR HYDROCARBON CONTAMINATION IN SOILS, Ms. Deeksha Beniwal, Ziltek  171 P24 FROM CONVENIENCE TO CONCERN: MICROPLASTIC SHEDDING BETWEEN BOTTLES AND CAPS IN CONSUMER PRODUCTS, Mr Siyuan Liu, University of Newcastle  179 P25 EFFECT OF SILICON NANOPARTICLES ON CADMIUM TRANSLOCATION AND YIELD OF RICE UNDER CADMIUM STRESS , Md Tofail Hosain, Global Centre For Environmental Remediation (G University of Newcastle  183 P26 UNDERSTANDING THE USE, OCCURRENCE, AND POTENTIAL RISKS OF JET FUEL ADDITIVES, Dr Chamilia Samarasinghe (presented by Dr Yanju Liu), Global Centre for Environmental Remediation (G University of Newcastle)	103	P15	SOIL VAPOUR CONCENTRATION PROFILING TO IDENTIFY CONTAMINANT SOURCE ZONES USING THE NEW HEADSPACE-IN-VIAL SAMPLING & ANALYSIS METHOD, Mr Adrian Heggie, WSP Australia
P18 A NEW CLIMATE-CHANGE CONCERN: GROUNDWATER RISE AND GEOCHEMICAL AFFECTS FROM AN INCREASING SEA LEVEL AND INFLUENCE ON CONTAMINANT CONDITIONS, Scott Wa University of Newcastle, Australia / BBJ Group USA  P19 CONTROLLED RELEASE NITROGENOUS FERTILIZER TO ENHANCE NUTRIENT USE EFFICIENCY, Anjuman Ara Rajonee, University of Newcastle  P20 VEOLIA LANDFILL LEACHATE PFAS TREATMENT JOURNEY, Don Kuai, Veolia  P21 ROTUMA FUEL TERMINAL DEMOLITION - CHALLENGES IN REMOTE SITE REMEDIATION, Mr Isaac Segal, Kleinfelder  P22 HYDROCARBON RISK TO REMEDIATION - A PROPOSED BASEMENT DEVELOPMENT CASE STUDY, Kathleen Prohasky, ERM Australia Pty Ltd  P23 DEVELOPMENT OF AN ON-SITE THRESHOLD DETECTION TOOL FOR HYDROCARBON CONTAMINATION IN SOILS, Ms. Deeksha Beniwal, Ziltek  P24 FROM CONVENIENCE TO CONCERN: MICROPLASTIC SHEDDING BETWEEN BOTTLES AND CAPS IN CONSUMER PRODUCTS, Mr Siyuan Liu, University of Newcastle  P25 EFFECT OF SILICON NANOPARTICLES ON CADMIUM TRANSLOCATION AND YIELD OF RICE UNDER CADMIUM STRESS, Md Tofail Hosain, Global Centre For Environmental Remediation (Grounders) and Consumer Products of Newcastle  P26 UNDERSTANDING THE USE, OCCURRENCE, AND POTENTIAL RISKS OF JET FUEL ADDITIVES, Dr Chamila Samarasinghe (presented by Dr Yanju Liu), Global Centre for Environmental Remediation (Grounders) and Page 10 presented by Dr Yanju Liu), Global Centre for Environmental Remediation (Grounders) and Page 12 presented by Dr Yanju Liu), Global Centre for Environmental Remediation (Grounders) and Page 12 presented by Dr Yanju Liu), Global Centre for Environmental Remediation (Grounders) and Page 12 presented by Dr Yanju Liu), Global Centre for Environmental Remediation (Grounders) and Page 12 presented by Dr Yanju Liu), Global Centre for Environmental Remediation (Grounders) and Page 12 presented by Dr Yanju Liu), Global Centre for Environmental Remediation (Grounders) and Page 12 presented by Dr Yanju Liu), Global Centre for Environmental Remediation (Grounders) and Page 12 presented by Dr Yanju Liu), Global Centre for Environmental	115	P16	"FOREVER EVOLVING" FOR "FOREVER CHEMICALS" NMI PFAS PROFICIENCY TESTING, Mark Lewin, National Measurement Institute
P19 CONTROLLED RELEASE NITROGENOUS FERTILIZER TO ENHANCE NUTRIENT USE EFFICIENCY, Anjuman Ara Rajonee, University of Newcastle  133 P20 VEOLIA LANDFILL LEACHATE PFAS TREATMENT JOURNEY, Don Kuai, Veolia  139 P21 ROTUMA FUEL TERMINAL DEMOLITION - CHALLENGES IN REMOTE SITE REMEDIATION, Mr Isaac Segal, Kleinfelder  144 P22 HYDROCARBON RISK TO REMEDIATION – A PROPOSED BASEMENT DEVELOPMENT CASE STUDY, Kathleen Prohasky, ERM Australia Pty Ltd  146 P23 DEVELOPMENT OF AN ON-SITE THRESHOLD DETECTION TOOL FOR HYDROCARBON CONTAMINATION IN SOILS, Ms. Deeksha Beniwal, Ziltek  171 P24 FROM CONVENIENCE TO CONCERN: MICROPLASTIC SHEDDING BETWEEN BOTTLES AND CAPS IN CONSUMER PRODUCTS, Mr Siyuan Liu, University of Newcastle  172 P25 EFFECT OF SILICON NANOPARTICLES ON CADMIUM TRANSLOCATION AND YIELD OF RICE UNDER CADMIUM STRESS, Md Tofail Hosain, Global Centre For Environmental Remediation (CUNIVERSITY) of Newcastle  173 P26 UNDERSTANDING THE USE, OCCURRENCE, AND POTENTIAL RISKS OF JET FUEL ADDITIVES, Dr Chamila Samarasinghe (presented by Dr Yanju Liu), Global Centre for Environmental Remediation (CONTAMINATION).	122	P17	THE MECHANOCHEMICAL EFFECT OF BALL MILLING ON VARIOUS HALLOYSITE NANOTUBES AND THEIR CARBON CAPTURE PERFORMANCE, Mr Siavash Davoodi, University of Newcastle
P20 VEOLIA LANDFILL LEACHATE PFAS TREATMENT JOURNEY, Don Kuai, Veolia  P21 ROTUMA FUEL TERMINAL DEMOLITION - CHALLENGES IN REMOTE SITE REMEDIATION, Mr Isaac Segal, Kleinfelder  P22 HYDROCARBON RISK TO REMEDIATION – A PROPOSED BASEMENT DEVELOPMENT CASE STUDY, Kathleen Prohasky, ERM Australia Pty Ltd  P23 DEVELOPMENT OF AN ON-SITE THRESHOLD DETECTION TOOL FOR HYDROCARBON CONTAMINATION IN SOILS, Ms. Deeksha Beniwal, Ziltek  P24 FROM CONVENIENCE TO CONCERN: MICROPLASTIC SHEDDING BETWEEN BOTTLES AND CAPS IN CONSUMER PRODUCTS, Mr Siyuan Liu, University of Newcastle  P25 EFFECT OF SILICON NANOPARTICLES ON CADMIUM TRANSLOCATION AND YIELD OF RICE UNDER CADMIUM STRESS, Md Tofail Hosain, Global Centre For Environmental Remediation (GUniversity of Newcastle  P26 UNDERSTANDING THE USE, OCCURRENCE, AND POTENTIAL RISKS OF JET FUEL ADDITIVES, Dr Chamila Samarasinghe (presented by Dr Yanju Liu), Global Centre for Environmental Remediation (GUNIVERS).	128	P18	A NEW CLIMATE-CHANGE CONCERN: GROUNDWATER RISE AND GEOCHEMICAL AFFECTS FROM AN INCREASING SEA LEVEL AND INFLUENCE ON CONTAMINANT CONDITIONS, Scott Warner, University of Newcastle, Australia / BBJ Group USA
P21 ROTUMA FUEL TERMINAL DEMOLITION - CHALLENGES IN REMOTE SITE REMEDIATION, Mr Isaac Segal, Kleinfelder  HYDROCARBON RISK TO REMEDIATION – A PROPOSED BASEMENT DEVELOPMENT CASE STUDY, Kathleen Prohasky, ERM Australia Pty Ltd  DEVELOPMENT OF AN ON-SITE THRESHOLD DETECTION TOOL FOR HYDROCARBON CONTAMINATION IN SOILS, Ms. Deeksha Beniwal, Ziltek  FROM CONVENIENCE TO CONCERN: MICROPLASTIC SHEDDING BETWEEN BOTTLES AND CAPS IN CONSUMER PRODUCTS, Mr Siyuan Liu, University of Newcastle  EFFECT OF SILICON NANOPARTICLES ON CADMIUM TRANSLOCATION AND YIELD OF RICE UNDER CADMIUM STRESS, Md Tofail Hosain, Global Centre For Environmental Remediation (Cuniversity of Newcastle  UNDERSTANDING THE USE, OCCURRENCE, AND POTENTIAL RISKS OF JET FUEL ADDITIVES, Dr Chamila Samarasinghe (presented by Dr Yanju Liu), Global Centre for Environmental Remediation (Control of Control of C	130	P19	CONTROLLED RELEASE NITROGENOUS FERTILIZER TO ENHANCE NUTRIENT USE EFFICIENCY, Anjuman Ara Rajonee, University of Newcastle
144 P22 HYDROCARBON RISK TO REMEDIATION – A PROPOSED BASEMENT DEVELOPMENT CASE STUDY, Kathleen Prohasky, ERM Australia Pty Ltd  146 P23 DEVELOPMENT OF AN ON-SITE THRESHOLD DETECTION TOOL FOR HYDROCARBON CONTAMINATION IN SOILS, Ms. Deeksha Beniwal, Ziltek  171 P24 FROM CONVENIENCE TO CONCERN: MICROPLASTIC SHEDDING BETWEEN BOTTLES AND CAPS IN CONSUMER PRODUCTS, Mr Siyuan Liu, University of Newcastle  179 P25 EFFECT OF SILICON NANOPARTICLES ON CADMIUM TRANSLOCATION AND YIELD OF RICE UNDER CADMIUM STRESS, Md Tofail Hosain, Global Centre For Environmental Remediation (Guniversity of Newcastle  183 P26 UNDERSTANDING THE USE, OCCURRENCE, AND POTENTIAL RISKS OF JET FUEL ADDITIVES, Dr Chamila Samarasinghe (presented by Dr Yanju Liu), Global Centre for Environmental Remediation	133	P20	VEOLIA LANDFILL LEACHATE PFAS TREATMENT JOURNEY, Don Kuai, Veolia
DEVELOPMENT OF AN ON-SITE THRESHOLD DETECTION TOOL FOR HYDROCARBON CONTAMINATION IN SOILS, Ms. Deeksha Beniwal, Ziltek  P24 FROM CONVENIENCE TO CONCERN: MICROPLASTIC SHEDDING BETWEEN BOTTLES AND CAPS IN CONSUMER PRODUCTS, Mr Siyuan Liu, University of Newcastle  EFFECT OF SILICON NANOPARTICLES ON CADMIUM TRANSLOCATION AND YIELD OF RICE UNDER CADMIUM STRESS, Md Tofail Hosain, Global Centre For Environmental Remediation (Guniversity of Newcastle  P25 UNDERSTANDING THE USE, OCCURRENCE, AND POTENTIAL RISKS OF JET FUEL ADDITIVES, Dr Chamila Samarasinghe (presented by Dr Yanju Liu), Global Centre for Environmental Remediation (Guniversity of Newcastle)	139	P21	ROTUMA FUEL TERMINAL DEMOLITION - CHALLENGES IN REMOTE SITE REMEDIATION, Mr Isaac Segal, Kleinfelder
FROM CONVENIENCE TO CONCERN: MICROPLASTIC SHEDDING BETWEEN BOTTLES AND CAPS IN CONSUMER PRODUCTS, Mr Siyuan Liu, University of Newcastle  EFFECT OF SILICON NANOPARTICLES ON CADMIUM TRANSLOCATION AND YIELD OF RICE UNDER CADMIUM STRESS, Md Tofail Hosain, Global Centre For Environmental Remediation (Guniversity of Newcastle  University of Newcastle  UNDERSTANDING THE USE, OCCURRENCE, AND POTENTIAL RISKS OF JET FUEL ADDITIVES, Dr Chamila Samarasinghe (presented by Dr Yanju Liu), Global Centre for Environmental Remediation (Guniversity of Newcastle)	144	P22	HYDROCARBON RISK TO REMEDIATION – A PROPOSED BASEMENT DEVELOPMENT CASE STUDY, Kathleen Prohasky, ERM Australia Pty Ltd
P25 EFFECT OF SILICON NANOPARTICLES ON CADMIUM TRANSLOCATION AND YIELD OF RICE UNDER CADMIUM STRESS, Md Tofail Hosain, Global Centre For Environmental Remediation (Guniversity of Newcastle  P26 UNDERSTANDING THE USE, OCCURRENCE, AND POTENTIAL RISKS OF JET FUEL ADDITIVES, Dr Chamila Samarasinghe (presented by Dr Yanju Liu), Global Centre for Environmental Remediation (Guniversity of Newcastle)	146	P23	DEVELOPMENT OF AN ON-SITE THRESHOLD DETECTION TOOL FOR HYDROCARBON CONTAMINATION IN SOILS, Ms. Deeksha Beniwal, Ziltek
University of Newcastle  183 P26 UNDERSTANDING THE USE, OCCURRENCE, AND POTENTIAL RISKS OF JET FUEL ADDITIVES, Dr Chamila Samarasinghe (presented by Dr Yanju Liu), Global Centre for Environmental Remed	171	P24	FROM CONVENIENCE TO CONCERN: MICROPLASTIC SHEDDING BETWEEN BOTTLES AND CAPS IN CONSUMER PRODUCTS, Mr Siyuan Liu, University of Newcastle
	179	P25	EFFECT OF SILICON NANOPARTICLES ON CADMIUM TRANSLOCATION AND YIELD OF RICE UNDER CADMIUM STRESS, Md Tofail Hosain, Global Centre For Environmental Remediation (GCER), The University of Newcastle
	183	P26	UNDERSTANDING THE USE, OCCURRENCE, AND POTENTIAL RISKS OF JET FUEL ADDITIVES, Dr Chamila Samarasinghe (presented by Dr Yanju Liu), Global Centre for Environmental Remediation
185 P27 ANALYSIS OF JET FUEL ADDITIVES AND THEIR METABOLITES IN JET FUEL, GROUNDWATER AND SOIL BY GAS AND LIQUID CHROMATOGRAPHY – MASS SPECTROMETRY, Doctor Francisca University of Newcastle	185	P27	ANALYSIS OF JET FUEL ADDITIVES AND THEIR METABOLITES IN JET FUEL, GROUNDWATER AND SOIL BY GAS AND LIQUID CHROMATOGRAPHY – MASS SPECTROMETRY, Doctor Francisca Munyeza, University of Newcastle
P28 ECO-FRIENDLY AND ECONOMICALLY AFFORDABLE NANOENCAPSULATED PESTICIDE FORMULATION: A FRONTIER IN NEXT GENERATION AGRICULTURE, Dr Santosh Kumar Paul, The Univ	195	P28	ECO-FRIENDLY AND ECONOMICALLY AFFORDABLE NANOENCAPSULATED PESTICIDE FORMULATION: A FRONTIER IN NEXT GENERATION AGRICULTURE, Dr Santosh Kumar Paul, The University of Newcastle, Australia
207 P29 ADDRESSING FOOD SAFETY IN URBAN AGRICULTURE, Dr Md Meftaul Islam, The University of Newcastle	207	P29	ADDRESSING FOOD SAFETY IN URBAN AGRICULTURE, Dr Md Meftaul Islam, The University of Newcastle

208	P30	DEGRADATION OF HERBICIDES IN VARIED AUSTRALIAN SOILS: POSSIBLE IMPACTS ON NON-TARGET BIOTA, Aney Parven, The University of Newcastle
209	P31	HEAVY METAL CONTENT IN WATER, SOIL AND PLANT ADJACENT TO TEXTILE INDUSTRY, Ms Kamrun Nahar Mousomi, GCER, University of Newcastle, Australia
211	P32	ARE BIOPESTICIDES EFFECTIVE AGAINST BRINJAL PEST?, Fatima Farhana, GCER, University of Newcastle
215	P33	REMEDIATION OF HYDROPHOBIC SOILS USING MICROBIAL TREATMENT IN CONJUNCTION WITH BIOCHAR AND CLAY, Mrs. Naveeda Majid (presented by Dr Mezbaul Bahar), University of Newcastle
219	P34	SPATIAL VARIATION OF HEAVY METAL(LOID)S IN PADDY SOIL OF CKDU ENDEMIC AREA, Dr Mudalige Kulathunga (presented by Dr Ayanka Wijayawardena), crcCARE
222	P35	CARBAMAZEPINE TOXICITY IN LEMNA SP., Mrs Andrea Carpio, University of Newcastle
223	P36	INFLUENCE OF POLYETHYLENE AND POLYVINYL CHLORIDE MICROPLASTICS ON SEED GERMINATION OF BARLEY AND MUNG BEAN, Ms Tapati Roy, GCER, The University of Newcastle
228	P37	THE ROLE OF GEOCHEMISTRY AS A FUNCTION OF ALLUVIAL FAN AGING IN ORGANIC CARBON STABILISATION, Dr Amir Mohseni, University of Newcastle
232	P38	QUANTIFYING GROUNDWATER PROCESSES ALONG THE MURRAY VALLEY BY INTERPRETING TIME SERIES DATA USING IMPULSE RESPONSE FUNCTIONS, Dr Mark Hocking, Tetra Tech Coffey
242	P39	TRANSFORMATION OF PFAS-PRECURSORS BY CO-METABOLIC BACTERIA CULTURES RELEVANT TO AQUEOUS FILM FORMING FOAM (AFFF) SITES, Jessica LaFond, Texas Tech University
251	P40	ADSORPTION BEHAVIOR OF GLYPHOSATE TO SURFACE MODIFIED MONTMORILLONITE NANOCLAYS, Mr Saifullah Omar Nasif, University of Newcastle
270	P41	USING A NUCLEAR ANALYSIS TECHNIQUE TO RAPIDLY SCREEN FOR PFAS IN FIBRE-BASED FOOD PACKAGING, Dr Armand Atanacio, Australian Nuclear Science and Technology Organisation
271	P42	PERFORMANCE EVALUATION OF PILOT-SCALE TRIAL OF PFAS REMEDIATION USING A SUBSURFACE HORIZONTAL REACTOR WITH MATCARE™ TECHNOLOGY, Mr Danidu Kudagamage, University of Newcastle
272	P43	DAPHNIDS AS A SURROGATE FOR ASSESSING THE TOXICITY OF WEATHERED HYDROCARBONS., Dr Anithadevi Kenday Sivaram (presented by Prof. Megharaj Mallavarapu), The University of Newcastle
278	P44	NOVEL ENHANCED DEFLUORINATION OF PFAS BY BIOCHAR-ASSISTED ULTRASOUND COUPLING FERRATE: PERFORMANCE AND MECHANISM, Dr Yongjia Lei, Sichuan Agricultural University
280	P45	FATE AND BEHAVIOUR OF JET FUEL ADDITIVES IN SOIL, Dr Chamila Samarasinghe (presented by Dr Yanju Liu), Global Centre for Environmental Remediation
142	P46	UNVEILING THE PAST THROUGH HISTORICAL BUSINESS DIRECTORIES, Mr Howard Waldron, Lotsearch Pty Ltd
78	P47	THE USE OF DECISION UNIT MULTI-INCREMENT SAMPLING (DUMIS) AT A PAHS-CONTAMINATED SITE IN CHINA, Jing Song, Institute of Soil Science, Chinese Academy of Sciences
186	P48	LOW COST MECHANOCHEMICAL SYNTHESIS OF ORGANOCLAYS FOR REMEDIATING PFOS AND METAL CO-POLLUTANTS, Dr Bhabananda Biswas, University of Newcastle
303	P49	TRANSFORMATION AND FATE AND BEHAVIOUR OF ZINC OXIDE NANOPARTICLES RELEASED FROM PERSONAL CARE PRODUCTS TO ENVIRONMENTAL WATERS, Anwar Khan, Global Centre for Environmental Remediation (GCER)
126	P50	MICROPLASTIC REMOVAL USING BIOCHAR DERIVED FROM LOW-COST AGRICULTURAL RESIDUES , Mr Aderemi Adeleye, University of Newcastle
305	P51	BIO-REACTIVE MATERIAL-SUPPORTED DELIVERY OF PHOSPHATE SOLUBILISING BACTERIA FOR SUSTAINABLE BIOFERTILIZERS, Rafique Uddin, Global Center for Environmental Remediation (GCER)