

Treatrec ATC5: Draft programme

Proposed venue: Atkins offices in Birmingham

Proposed data: 27 -30rd November 2017

Day	Topic	Activity
1	Research in industry	Site visit to Severn Trent Water's wastewater treatments works and research plants at Packington and Stoke Bardolph
2	Training package	One day workshop to provide training to the TreatRec Fellows on a range of industry relevant skills and topics: <ul style="list-style-type: none">• Transition from 'campus to corporate'• Collaboration• Digital futures• Effective conversations• Core consultancy skills
3	Chemicals in the environment: Invited speakers and discussion.	Industry workshop to provide the fellow and researchers an opportunity to share their research with representatives from the regulators and water industry from the U.K. and to provide a forum for discussion about how these key emerging issues can be addressed in the future.
	Evening meal	ATC5 Joint dinner
4	Treatrec project meeting	Project meeting (normal format)

Day 1: Severn Trent Water: Site Visit to Wastewater Treatment Works and Pilot Plants

Purpose:

To provide an opportunity for the researchers and fellows to see two large wastewater treatment works in the U.K. where research is being carried out by Severn Trent Water into new treatment technologies:

Agenda:

Morning: Visit to Packington wastewater treatment works

Afternoon: Visit to Stoke Bardolph wastewater treatment works

Day 2: Atkins training package

Purpose:

One day workshop to provide training to the ESRs on a range of industry relevant skills and topics:

- Transition from 'campus to corporate'
- Collaboration
- Digital futures
- Effective conversations
- Core consultancy skills

Agenda:

Topic	Approximate timings	Indicative content	Facilitated by
Introductions, timetable and objectives	09.30 – 09.45	Slides plus group capture	L&D facilitation
Transition from campus to corporate: (i) Making the transition. (ii) Making an impact and managing your profile.	09.45 – 11.00	(i) Making the transition. Identification of critical attributes; transitional priorities; top tips for effective integration. (ii) Making an impact and managing your profile. Getting noticed for the right reasons; establishing your brand; do's and don'ts	(i) Interactive session led by a former research PhD graduate. Possibly Chris Mundell. (ii) L&D facilitation
BREAK	11.00 – 11.15		

Topic	Approximate timings	Indicative content	Facilitated by
Collaboration	11.15 – 11.45	Building a business network; knowledge gain and knowledge share; co-working; remote engagement	Business representative
Digital futures	11.45 – 12.30	Digital histories and the world today; emerging landscape; selling the future; your role	Possibly Adrian Malone
LUNCH	12.30 – 13.15		
Effective conversations: (i) Influencing (ii) Managing conflict (iii) Engaging with difficult people	13.15 – 15.00	Why influence; push-pull influencing model; Thomas Kilman conflict resolution model; having effective conversations	L&D facilitation
BREAK	15.00 – 15.15		
Core consultancy skills	15.15 – 16.30	What is a consultant; attributes for effective consultancy; role-play	L&D facilitation

Day 3: Industry workshop

Purpose:

To provide the fellows and researchers an opportunity to share their research with representatives from the regulators and water industry from the U.K. and to provide a forum for discussion about how these key emerging issues can be addressed in the future. In addition to presentations of the research findings, key industry speakers will provide inputs on three topic areas:

- Micro-pollutants and wastewater treatment
- Treatment resilience, optimisation and resource recovery
- Micro-pollutants and river basin planning

Agenda

Item	Description	Time
	Arrival and coffee/tea	9.30 - 10.00
Introduction	General perspectives on key emerging issues	10.00 - 10.15
Session 1: Micro-pollutants and treatment		
Perspectives from CIP	Some key observations from the Chemical Investigation Programme	10.15 - 10.45
Summary of ESR1	ESR1: Tackling emerging compounds in WWTP's	10.45 - 11.05
Summary of ESR2	ESR2 - Transformation of microcontaminants in wastewater treatment	11.05 - 11.25
Workshop session	Break out session and feedback	11.25 - 12.00
Lunch		12.00 - 12.40
Session 2: Treatment resilience, optimisation and resource recovery		
Planning treatment for the future	Overview of key issues for planning wastewater treatment in the future	12.40 - 13.05
Summary of ESR3	ESR3: Optimal configuration of nitrogen and phosphorous recovery schemes within WWTPs	13.05 - 13.25
Summary of ESR4	ESR4: The resilience of wastewater treatment to multiple stress conditions	13.25 - 13.45
Workshop session	Break out session and feedback	13.45 - 14.20
Coffee break		14.20 - 14.40
Session 3: Micro-pollutants and river basin planning		

Item	Description	Time
River basin planning of micropollutants	How measures can be planned to control of micro-pollutants in river basins	14.40 - 15.10
Summary of ESR5	ESR5: Assessment of environmental and socio-economical implications of urban wastewater systems upgrading	15.10 - 15.30
Workshop session	Break out discussion of 2 key questions	15.35 - 16.05
Summary and Close		16.05 - 16.20

Day 4: Project management meeting

Purpose:

Regular project management meeting to share the latest outputs from the research, review progress compared to project objectives and plan ahead.

Agenda to be arranged by the Project Coordinator