

MULTIDISCIPLINARY TECHNICAL SERVICES FRAMEWORK  
OJEU Ref 2018/S 127-289621  
APPOINTMENT OF CONSULTANT

INSTRUCTION  
PFAS Risk Screening Project – Phase 2 / Instruction Name

Date	16/10/2020	Environment Agency	Procurement Reference Number DN487531 , Contract Reference [REDACTED] (To be quoted on all correspondence relating to this Instruction)
------	------------	--------------------	---

The Consultant entered into a contract dated 15/10/2020 with the Agency whereby it was appointed as a consultant on the Multidisciplinary Panel (the "Framework Contract").

Environment Agency is a Public Sector Body under the Framework Contract.

The Public Sector Body and the Consultant acknowledge and agree that this document is to be treated as an "Instruction" from the Public Sector Body under and for the purposes of the Framework Contract.

The Consultant agrees to supply to the Public Sector Body the Services specified below on and subject to the terms and conditions of this Instruction and the Framework Contract.

Unless otherwise defined in this Instruction, terms used in this Instruction shall have the meaning given to them in the Framework Contract.

**The Employer**

Environment Agency is the Public Sector Body.

In so far as they relate to the appointment of the Consultant to provide the Services all references to the Agency in the Framework Contract shall also be deemed to be references to the Public Sector Body for the purposes of the Instructions and the Framework Contract.

## PUBLIC SECTOR BODY DETAILS

Public Body	Sector	Environment Agency
Public Body's Address		Environment Agency Head Office: Horizon House, Deanery Road, Bristol BS1 5AH
Invoice Address		SSCL PO 797 Newport Gwent NP10 8FZ. Payment will be made on satisfactory completion of the work and receipt of a correct and valid invoice. The original invoice must be sent to the accounts department, quoting the correct purchase order number.
Contact:		Name: [REDACTED] Phone: [REDACTED] e-mail: [REDACTED]

## CONSULTANT DETAILS

Consultant	Jacobs UK Ltd ("Consultant")
Consultant's Address	118o Eskdale Road, Winnersh, Wokingham, Berkshire RG41 5TU
Contact:	Name: [REDACTED] Phone: [REDACTED] e-mail: [REDACTED]

## 1. INSTRUCTION PERIOD

### (1.1) Commencement Date

This Instruction shall commence on: 15<sup>th</sup> October 2020

### (1.2) Instruction Period

Phase 2 – 15/10/2020 – 31/03/2021

#### Option to extend:

Phase 3 – 01/04/2021 – 31/03/2021

## 2. SERVICES REQUIREMENTS

The following Services shall be provided:

### Background to the Project

This document sets out the strategy for procuring the next phase of work (Phase 2) to assess and tackle the risks arising from a group of “forever chemicals” which are contaminating soil, groundwater and surface waters and are now present in our bodies. These chemicals are causing a global pollution problem, but England is behind some other developed countries in investigating the risks to health and the environment and requiring the polluters responsible to clean up.

Polyfluoroalkyl and perfluoroalkyl substances (PFAS) are a broad group of synthetic fluorinated organic chemicals and are extremely persistent. Some are bio-accumulative and toxic, and/or highly mobile. PFAS are a group of more than 4 700 man-made chemicals (OECD, 2018), the two most well-known of which are perfluorooctanoic acid (PFOA) and perfluorooctane sulfonic acid (PFOS).

PFAS are used in a wide variety of consumer products and industrial applications because of their unique chemical and physical properties, including oil, water and stain repellence, temperature and chemical resistance, and surfactant properties. PFAS have been used as surfactants (including aqueous film fire-fighting foams (AFFFs), non-stick metal coatings for frying pans, paper food packaging, creams and cosmetics, textiles for furniture and waterproof outdoor clothing, paints and photography, chrome plating, pesticides and pharmaceuticals and as polymer manufacturing.

Increasing awareness of the widespread presence of PFAS in environmental media (including people) has heightened regulatory concerns about their potential risks to human health and the environment. A recent evidence review by the Environment Agency has identified large data gaps in relation to the uses, sources and mass emissions of PFAS in the UK. This report recommends further research and investigative work in order to evaluate the sources both current and legacy that are contributing to the widespread nature of this environmental contaminant. In order to ensure effective actions are implemented we need to better understand the sources of PFAS, the pathways and the relative significance of these

substances in surface waters and groundwater.

### Progress to Date

Phase 1, delivered in 2019/20, developed a high-level risk screening model to help identify potential problem zones across England. A multi-criteria analysis approach was adopted which resulted in the development of a comprehensive multi-layered GIS package. This model was validated by focussing on certain industry types where these chemicals were considered likely to have been used and/or stored.

### Objectives

Phase 2 is to build on the outputs of Phase 1 and to deliver an enhanced and more robust prioritisation model through groundtruthing, sampling and the use of additional data-sets. There will be a focus on a specific region to validate the model outputs.

Key sites of concern will be identified and sampled to test for chemical impact.

This is seen as a rolling project with each phase building on the outputs of the preceding stage. As evidence is gathered with regard the PFAS problem across England the ultimate aim is to undertake more in-depth local assessments of specific sites that present a real risk to health and the wider environment. These more targeted studies will facilitate a Phase 3 and beyond. This contract will contain a break clause to cease further work after completion of Phase 2 but it is likely we will request the successful supplier to submit a proposal for Phase 3 of the project, as outlined below, which will be instructed subject to agreement on performance, value and technical merit of the submission.

### Key Deliverables

#### Activity Schedule

- **Task 1.** Start-up workshop to discuss approach and refine scope for Phase 2

Day long workshop which will enable the EA to provide a background to the project and the overarching aims and objectives. The consultant will then present their scope of works and their understanding of the commission as well as additional thoughts for enhancement and ways forward. Data requirements / provision will be discussed and any potential overlaps with other related projects where there is the potential for data and information sharing. Data provision will be a key topic as some information will take time to obtain. Data acquisition will be largely driven by the consultants once the information available is specified. Detailed discussion and critical evaluation of the approach will help refine and enhance the Phase 2 strategy.

**Deliverable: A refined specification to include all comments and suggestions from the start-up workshop**

- **Task 2.** Review, test and validate the Phase 1 risk prioritisation model

Whilst the model underwent a degree of testing during Phase 1, further work needs to be done to demonstrate that the model is sufficiently accurate, considering the inherent limitations of time and resource that constrained the original project, and delivers outputs in line with the original objectives.

This review and testing stage should include, but is not limited to, the following activities:

- Breaking the model down into component elements to ensure each is appropriate and can be fully justified. This should include evaluation, and recalibration if

necessary, of the allocated scorings and weightings of the various input criteria. Provision is allowed for any expert weighting approach. Also a review of the buffer zones around identified monitoring points taking into consideration contaminant mobility and receptor characteristics.

- Sensitivity testing to ensure the model is working as designed and delivering results that are valid and make reasonable sense. This should include running a representative range of known low, medium and high risk sites e.g. Moreton-in-Marsh Fire Service College, through the model to ensure outputs are as expected. The results from this activity should be used to amend and refine the model
- Re-evaluation of the input data to ensure the way it has been collated, grouped, processed and incorporated into the model is appropriate and will ultimately deliver robust and valid outputs
- Confirm which additional datasets can be included to enhance the model and the quality of the outputs. Additional datasets / information types likely to come from a variety of suppliers including the EA. To include, but not limited to, the following:
  - Potential historic source facilities (third party provider)
  - Environmental setting (third party provider)
  - GW flow details
  - SW flow details
  - SW catchment / watershed delineation
  - Hydro / hydrogeological connectivity
  - Closed landfills (EA study)
  - Materials to land (EA study)
  - Septic tanks (EA study)
  - Landfill leachate information (EA study)
  - Otters project (EA study)
  - CICS data (EA information)
  - COMAH data (EA information)
  - CIP3 Programme (EA information)
  - Environmental Permitting – Waste and Installation (EA information)
  - WFD datasets, waterbody failures etc (EA information)
  - Biodiversity (EA information)
  - National Groundwater Risk Assessment for PFOS and PFAS
  - Groundwater and surface water monitoring data (including quantitative and semi-quantitative data)
  - Watershed data (EA information)
- Identify which EA (and other) current and historic projects are considered to be complimentary to this study and may enhance the ultimate outputs. To detail how this information can be obtained and identify potential opportunities for collaboration.
- Revisit the list of priority chemicals and propose a more comprehensive list of chemicals for focus under Phase 2.
- Revisit the list of priority source facilities from Phase 1 and update the industry profiles produced under Phase 1 for the wider list of PFAS.
- Reviewing GIS layers, for instance map scale and colours, to ensure outputs are as clear, representative and user friendly as possible
- Improvement of the hydrogeological connectivity components for the surface water risk prioritisation using EA data which consists of a watershed around each surface water sampling point.

**Deliverable: An interim report detailing what amendments are recommended to further enhance the model**

- **Task 3** Carry out exploration of data and analysis of the occurrence of PFAS around specific locations

Assess a number of pristine groundwater monitoring locations to assess how PFAS is getting to those monitoring points. Use this information to help refine the Risk Prioritisation Model.

**Deliverable: Document reviewing the occurrence and likely sources of PFAS in locations of pristine groundwater and whether the model can be enhanced based on the occurrence and sources of PFAS**

- **Task 4.** Model enhancement

Using the recommendations from Task 2 and Task 3, implement a phase of model refinement and upgrade to ensure the model and risk prioritisation strategy is robust, as accurate as possible within the data limitations and adaptable. To use all the Task 2 and Task 3 identified data and information sources to upgrade all source – pathway – receptor components of the model.

The model should be provided as a package, together with all underpinning mechanics and input elements, in a format to ensure it can be stored, used and updated by the Environment Agency.

**Deliverable: A fully refined scoring and risk assessment model**

- **Task 5.** Historic Landfill leachate sampling

A sampling exercise to be undertaken where **15** historic landfills will be highlighted with leachate sampled to assess the presence of PFAS and associated chemicals. The final list of sites is still to be finalised however, for the purposes of this tendering exercise, it should be assumed that the 15 facilities are geographically distributed across England. It will be the responsibility of the Environment Agency to ensure that at each site there is suitable monitoring infrastructure with all points being viable and easily accessible. The successful Tenderer / Subcontractor will be responsible for liaising with the EA and site landowner to gain access to sites, and the sample collection, storage and analysis. For costing purposes, it should be assumed that at each site there are **3** monitoring points to be sampled on **two** separate occasions. The analytical suite should adhere to the determinand table provided (2020-07 Table 2\_Final), however this may be amended following the preliminary tasks of this project. Please note that accredited analytical methods will not be available for all of the determinands listed in 2020-07 Table 2\_Final within a landfill leachate matrix. It is recommended you consider collaborating with commercial and university laboratories. Chemical analysis will be conducted using two methods, one based on recommendations made in the 'Landfill Leachate Survey for Persistent Organic Pollutants (phase 1)' Arcadis report provided and the second based on the common method used by landfill site operators (GC-MS). The tendering parties will set out a process for quality assurance and quality control, including detailing the collection of duplicate samples, and a number of field blanks.

**Deliverable: A full set of leachate sample results with preliminary assessment**

**Task 6.** Regional focus (West Midlands)

To be undertaken in parallel with Task 3 – a focussed study, using the enhanced model, on a specific region of the country. To act as a validation study to ensure the model works as anticipated and to also demonstrate the level of in-depth assessment and conceptualisation that can be delivered for a specific zone.

To identify historic and current likely source facilities, to delineate each facility and those potentially polluting activities undertaken within that facility i.e. higher risk sub zones with a facility boundary. Information to be obtained from The Pollution Inventory, local EA teams – interviewing staff and visiting offices to research records, obtain documentary / electronic information. Approaching other relevant stakeholders and third party providers to obtain required, more detailed, information. To include a detailed evaluation of the environmental setting and associated receptors.

A process of 'ground-truthing' to test the model to see if 'real' information obtained from other sources backs up and supports the model outputs. Whilst a valuable process to gain a comprehensive understanding of a specific part of the county, also an opportunity to validate, adjust and refine the model as necessary.

A key objective of this task is to be build a robust evidence base to justify further risk management action and conversations with stakeholders. To follow Part 2A type approach assessing potential contaminant linkages culminating in a detailed CSM. To consider levels of evidence (reasonable possibility > likelihood) of the presence of one or more contaminant linkages that may warrant further regulatory action under a specific regime e.g. P2A or WRA'91.

**Deliverable: A detailed regional study**

- **Task 7.** GIS functionality

To revisit the GIS package and outputs from Phase 1 with a view to enhancing the product to make it more accurate, detailed and user friendly. To include the outputs from the preceding tasks to enhance the GIS package of work.

To develop a frontend dashboard to help users navigate the GIS product.

To develop a web based platform to enable easier access and improve accessibility for a wider range of stakeholders.

To ensure the final GIS product is a living product with ability to refresh, revise and update as new information comes to light.

The GIS outputs should be provided as a package, together with all underpinning mechanics and input elements, in a format to ensure it can be stored, used and updated by the Environment Agency.

**Deliverable: A fully revised and updated GIS product**

- **Task 8.** Draft reporting and GIS outputs

To deliver all associated draft reports plus the revised GIS model for critical review and comment.

**Deliverable: Draft version of the main report, the regional focussed report and the GIS outputs**

- **Task 9.** Development of training module

Development of a training model that provides the audience with an introduction to the Phase 3 study, the review process, the collation of information, the regional focus, the GIS package and what conclusions, findings and recommendations have come out of the study.

Anticipated to be a PowerPoint or equivalent package that can be recorded but also rolled out on five occasions (for questions and comments) to a diverse internal EA and potentially external audience via MS Teams, WebEx or similar form of communication channel.

**Deliverable: Training module ready for delivery**

- **Task 10.** Close-out

A day long workshop that will enable the consultant to present all Phase 2 works undertaken and outputs generated. To facilitate comment and critical review.

- **Deliverable(s): A successful close-out meeting that enables discussion relating to all deliverables, including recommendations for further work, to include all comments made by reviewing parties**
- **To be followed by delivery of a finalised report - including a non-technical summary, standalone regional focus, training module - and agreed model and GIS outputs**

**Programme**

The Environment Agency seeks to appoint a highly competent and experienced supplier who can build on the outputs of Phase 1 and deliver a comprehensive study (Phase 2) by the agreed deadline of 31<sup>st</sup> March 2021. We anticipate the work for this Phase of the project commencing w/c 14/09/20 and would require bidders to confirm availability to attend a start-up workshop during that week (likely to be held as a WebEx). The Tasks and deliverables have been outlined in this document and the bidder is required to provide a programme (in the form of a Gantt chart) which will allow completion of all tasks by the agreed deadline.

We anticipate a minimum of weekly update calls between the client and the appointed consultant. In addition, a meeting will be required upon the delivery of the key project outputs, including the interim outputs. The format of these meetings will depend on the nature and type of information to discuss and the situation in relation to COVID-19

restrictions. The Project Manager should be kept fully apprised of project developments and progress, to include any deviations from the agreed scope.

### Project Governance

[REDACTED]

### Intellectual Property Rights

The findings and outputs delivered from this project will remain the Property of the Environment Agency throughout.

### Data Sources and Requirements

As indicated above, data collation and review is a key element of the project.

The following data / information sources have been appended:

1. A PFAS evidence report that summarises current EA knowledge on PFAS uses/ possible sources & manufacturing sites (in press)
2. An evidence narrative that summarises all environmental monitoring data available on PFOS see link - [https://consult.environment-agency.gov.uk/environment-and-business/challenges-and-choices/user\\_uploads/perfluorooctane-sulfonate-and-related-substances-pressure-rbmp-2021.pdf](https://consult.environment-agency.gov.uk/environment-and-business/challenges-and-choices/user_uploads/perfluorooctane-sulfonate-and-related-substances-pressure-rbmp-2021.pdf)
3. Incidence and attenuation of perfluorinated surfactants in groundwater, Science Report – SCo70002/SR, 2008
4. Investigation of PFOS and other perfluorochemicals in groundwater and surface water in England and Wales, 2007
5. Landfill Leachate Survey for Persistent Organic Pollutants WP2 Final
6. 2020-07 Table 2\_Final
7. Indicative Priority Chemicals List

The CAU report is currently awaiting publication and is being provided to support this project specification and is not for further dissemination. This version will not be the final version that's published as the PFOS information is now out of date and is more comprehensively covered in the PFOS narrative published as part of the Challenges and Choices public consultation (copy supplied as reference 2)

The following data / information sources are available from the Environment Agency:

8. BGS report on emerging contaminants and underlying EA data
9. Water quality data on PFOS; PFOA and other PFAS available in a format suitable for GIS mapping. EA data is available on PFOS in surface water, TraC, groundwater and biota is already extracted and mapped in the PFOS narrative (in 3 below).
10. An evidence narrative that summarises all environmental monitoring data available on PFOS see link - [https://consult.environment-agency.gov.uk/environment-and-business/challenges-and-choices/user\\_uploads/perfluorooctane-sulfonate-and-related-substances-pressure-rbmp-2021.pdf](https://consult.environment-agency.gov.uk/environment-and-business/challenges-and-choices/user_uploads/perfluorooctane-sulfonate-and-related-substances-pressure-rbmp-2021.pdf)
11. The EA will seek to identify water industry data from their chemical investigation programme and provide in a GIS referenced dataset
12. EA will provide surface water quality modelling maps for PFOS based on water company data.
13. Defra project looking at use of PFOA use in firefighting foams – useful to see if this data is available to inform this project.

The following data/information sources will be provided at a later date:

GIS Shapefile – Watershed catchment of surface water sampling locations ((hydrological connectivity) – To be provided September 2020

The risk prioritisation model, GIS outputs and Source Assessment and Risk Evaluation for PFAS: Risk Screening (Preliminary Scoping Study) Report from Phase 1 will provided upon request. Please use the messaging function on Pro-Contract.

### The Services

The Agency requires the supplier to propose a methodology and approach to deliver the tasks outlined in the scope, which are summarised in the table below;

Task no.	Requirement	Deliverable
Task 1	Start-up workshop to discuss approach and refine scope for Phase 2	A refined specification to include all comments and suggestions from the start-up workshop
Task 2	Review, test and validate the Phase 1 risk prioritisation model	An interim report detailing what amendments are recommended to further enhance the model
Task 3	Carry out exploration of data and analysis of the occurrence of PFAS around specific locations	Document reviewing the occurrence and likely sources of PFAS in locations of pristine groundwater and whether the model can be enhanced based on the occurrence and sources

		of PFAS
Task 4	Model enhancement	A fully refined scoring and risk assessment model
Task 5	Historic Landfill leachate sampling	A full set of leachate sample results with initial assessment
Task 6	Regional focus (West Midlands)	A detailed regional study
Task 7	GIS functionality	A fully revised and updated GIS product
Task 8	Draft reporting and GIS outputs	Draft version of the main report, the regional focussed report and the GIS outputs
Task 9	Development of training module	Training module ready for delivery
Task 10 – By 31 <sup>st</sup> March 2021	Close-out	<ol style="list-style-type: none"> <li>1. A successful close-out meeting that enables discussion relating to all deliverables, including recommendations for further work, to include all comments made by reviewing parties</li> <li>2. To be followed by delivery of a finalised report - including a non-technical summary, standalone regional focus, training module - and agreed GIS outputs</li> </ol>
<b>Other Requirements</b>		

### **Further stages of work going forward – Phase 3.**

Whilst a design for Phase 3 is not yet complete and will depend on the outputs of Phase 2, we anticipate the following tasks will be required:

#### **Activity Schedule**

- Review of everything done to date and latest developments within this field of study;
- Further enhancement of the tool and GIS outputs with the addition of new and emerging data;
- A detailed regional focus comprising the in-depth assessment of a highlighted part of the country for the purposes of ground-truthing, sense checking and validation of the model;
- An on-the-ground assessment of three identified sites to include development of a detailed conceptual site model for each and sampling from accessible monitoring points for key contaminants of concern;
- An on-the-ground assessment of fifteen historic and abandoned landfills to include development of a detailed conceptual site model for each and sampling from accessible monitoring points for key contaminants of concern;
- Reporting and non-technical summary
- Development of a training package with the aim of providing delegates with background to the works undertaken, the results obtained, conclusions drawn and recommendations for future phases.

### **Health, Safety and Environmental Requirements**

Whilst the majority of this project will be office based and will focus on desk based research, there are elements where on-site sampling is a requirement. No intrusive investigation works are proposed. The proposed water sampling will be undertaken from existing on-site boreholes. Sites have been selected where access is easy, landowners are amenable and borehole monitoring points are suitably located. The Environment Agency Project Manager in liaison with the local Groundwater and Contaminated Land Team will coordinate access. The consultant will comply with all appropriate H&S procedures and detail these protocols prior to the site visit.

The successful contractor is expected to pursue sustainability in their operations, thereby ensuring the Environment Agency is not contracting with a supplier whose operational outputs run contrary to Environment Agency's objectives. The successful contractor will need to approach the project with a focus on the entire life cycle of the project. The successful contractor is likely to be able to provide a copy of their environmental policy and any environmental accreditation schemes such as ISO 14001 or EMAS which they have been awarded or are working towards.



- [REDACTED]
- 3. [REDACTED]
- 4. [REDACTED]
- 5. [REDACTED]
- 6. [REDACTED]

	[REDACTED]
7.	[REDACTED]
8.	[REDACTED]
9.	[REDACTED]
	[REDACTED]

[Redacted text block]

11

[Redacted text block]

[Redacted text block]

13

[Redacted text block]

14

[Redacted text block]

15.	[REDACTED]
16.	[REDACTED]

[REDACTED]		
The following outcomes will be delivered:		
Task no.	Requirement	Deliverable
Task 1	Start-up workshop to discuss approach and refine scope for Phase 2	A refined specification to include all comments and suggestions from the start-up workshop
Task 2	Review, test and validate the Phase 1 risk prioritisation model	An interim report detailing what amendments are recommended to further enhance the model
Task 3	Carry out exploration of data and analysis of the occurrence of PFAS around specific locations	Document reviewing the occurrence and likely sources of PFAS in locations of pristine groundwater and whether the model can be enhanced based on the occurrence and sources of PFAS

Task 4	Model enhancement	A fully refined scoring and risk assessment model
Task 5	Historic Landfill leachate sampling	A full set of leachate sample results with initial assessment
Task 6	Regional focus (West Midlands)	A detailed regional study
Task 7	GIS functionality	A fully revised and updated GIS product
Task 8	Draft reporting and GIS outputs	Draft version of the main report, the regional focussed report and the GIS outputs
Task 9	Development of training module	Training module ready for delivery
Task 10 – By 31 <sup>st</sup> March 2021	Close-out	<ol style="list-style-type: none"> <li>1. A successful close-out meeting that enables discussion relating to all deliverables, including recommendations for further work, to include all comments made by reviewing parties</li> <li>2. To be followed by delivery of a finalised report - including a non-technical summary, standalone regional focus, training module - and agreed GIS outputs</li> </ol>



With the option to extend for Phase 3. This work is not guaranteed and is subject to further negotiations and agreement between both parties.



Phase 3 - Price  
Estimate Jacobs.pdf

**(6.2) FEE PROPOSAL**

See Annex 1

**7. INVOICING AND PAYMENT**

Invoices in respect of the Instruction will only be processed for payment by the Public Sector Body where:

- (a) they are for the current Instruction;
- (b) the current Environment Agency Purchase Order Reference Number are quoted on the invoice; and
- (c) invoiced in accordance with Schedule 2 of the Framework Contract
- (d) the invoice is addressed to Environment Agency

Payment will be made to the Consultant by the Environment Agency

**8. SPECIAL CONDITIONS (delete if not required)**

(7.1) Clause 32 Limit of Liability shall be amended as follows:- £1,000,000

**(7.2) Requirement for the provision of Collateral warranties – Not used**

Collateral Warranties will need to be provided to:-

**(7.3) Requirement for Novation – Not used**

The consultant will be novated to:-

**BY SIGNING AND RETURNING THIS INSTRUCTION THE CONSULTANT AGREES** it is entering into a legally binding contract for the Consultant’s appointment (the “Consultant Appointment Contract”) with the Public Sector Body to provide the Services. The Consultant Appointment Contract incorporates and is subject to all of the terms and conditions contained in the Framework Contract as may be varied and/or amended by the other provisions of this Instruction. If there is any inconsistency between any of the provisions of this Instruction and the provisions of the Framework Contract, the provisions of this Instruction shall prevail).

The Consultant and the Public Sector Body hereby acknowledge and agree that they have read this Instruction and the Framework Contract and by signing below agree to be bound by the terms of this Consultant Appointment Contract from the date appearing at the start of this Instruction.

**For and on behalf of the Consultant:**

Name and Title	[Redacted]
Signature	[Redacted]

**For and on behalf of the Public Sector Body:**

Name and Title	[Redacted]
Signature	[Redacted]

Annex 1 – Resources Schedule



Jacobs PFAS Phase 2 Tender Response I

Annex 2 – Programme



Jacobs PFAS Phase 2 Tender Response I Jacobs PFAS Phase 2 Tender Response I