



**CORRESPONDENCE WITH ANGLIAN WATER
BETWEEN 11 MAY 2022 AND 21 JUNE 2022**

PINS project reference: WS010005

PINS document reference: 15.2.6.1

June 2022



**Baddesley Colliery Offices, Main Road, Baxterley, Atherstone,
Warwickshire, CV9 2LE.**

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Summary table of the correspondence with Anglian Water from 11 May 2022 to 21 June 2022

Item number in bundle	Date	Type of correspondence	Comments
1	12 May 2022	Email from Gene Wilson (Augean) to Mark Froggatt (Anglian Water)	Requesting the reference for the crater size calculation and as built pipeline information.
1	17 May 2022	Email from Gene Wilson (Augean) to Mark Froggatt (Anglian Water)	Information request following meeting on 9 May 2022 and requesting information and feedback on the documents provided to date
1	24 May 2022	Email from Gene Wilson (Augean) to Mark Froggatt (Anglian Water)	Following up on the information request from Augean on 17 May 2022 asking whether the information can be provided and a date for the provision of the information.
2	31 May 2022	Email from Kate Ashworth (WBD) to Darrell Crittenden (Anglian Water)	Enclosing the protective provisions with comments and amendments from Augean.
	8 June 2022	Issue Specific Hearing 3	
3	9 June 2022	Email from Gene Wilson (Augean) to Mark Froggatt (Anglian Water)	Confirming that Augean have not yet received the information sent by Anglian Water on 1 June 2022
4	16 June 2022	Email from Claire Trolove (Anglian Water) to Gene Wilson (Augean)	Stating she will resend the emails with attachments immediately following this email.
5	16 June 2022	Email from Claire Trolove (Anglian Water) to Gene Wilson (Augean)	Response 1 of 2 (initially sent by AW on 1 June 2022 but only received by Augean when resent on 16 June 2022) Attaching Tables 1 and 2 (contents included in the bundle) and a Pipeline Isolation Point Plan (contents not included in the bundle)
6	16 June 2022	Email from Claire Trolove (Anglian Water) to Gene Wilson (Augean)	Response 2 of 2 (initially sent by AW on 1 June 2022 but only received by Augean when resent on 16 June 2022)

Item number in bundle	Date	Type of correspondence	Comments
7	16 June 2022	Email from Gene Wilson (Augean) to Claire Trolove (Anglian Water)	Confirming receipt of the two emails and that the information could not be included in the non material change (NMC) request submitted that day. Suggesting a meeting for the week commencing 27 June 2022.
8	16 June 2022	Email from Claire Trolove (Anglian Water) to Gene Wilson (Augean)	Mark Froggatt is on leave from 17 June to 4 July 2022. Will ask for availability on his return.
9	17 June 2022	Email from Gene Wilson (Augean) to Claire Trolove (Anglian Water)	Requesting confirmation that the pipeline isolation point document is complete (contents not included in the bundle).
10	17 June 2022	Email from Gene Wilson (Augean) to Mark Froggatt (Anglian Water)	Confirming that the information Anglian Water had indicated was sent on 1 June 2022 was only received on 16 June 2022 and confirmation that the NMC request was submitted to PINS on 16 June 2022.
11	20 June 2022	Email from Claire Trolove (Anglian Water) to Gene Wilson (Augean)	Confirming that Mark Froggatt is available for a meeting on 5 July 2022.
12	21 June 2022	Email from Claire Trolove (Anglian Water) to Gene Wilson (Augean)	Providing shapefiles from the Anglian Water GIS system (attachment contents not included in the bundle)
13	21 June 2022	Email from Gene Wilson (Augean) to Claire Trolove (Anglian Water)	Agreeing to a meeting with Anglian Water on 5 July 2022 to agree the approach to the NMC and Requirement 19

Sophie Serdetschniy

Subject: FW: ENRMF - Anglian water pipelines - X Section

From: Gene Wilson
Sent: 24 May 2022 10:18
To: [REDACTED] [@anglianwater.co.uk](mailto:[REDACTED]@anglianwater.co.uk)
Cc: [REDACTED] [@anglianwater.co.uk](mailto:[REDACTED]@anglianwater.co.uk); [REDACTED] [@anglianwater.co.uk](mailto:[REDACTED]@anglianwater.co.uk)
Subject: RE: ENRMF - Anglian water pipelines - X Section

Dear Mark

Further to my e-mail of the 17th May I wondered if you would be able to indicate whether you will be able to provide the requested information and when it could be provided?

Thank you
Gene

From: Gene Wilson
Sent: 17 May 2022 16:00
To: [REDACTED] [@anglianwater.co.uk](mailto:[REDACTED]@anglianwater.co.uk)
Cc: [REDACTED] [@anglianwater.co.uk](mailto:[REDACTED]@anglianwater.co.uk); [REDACTED] [@anglianwater.co.uk](mailto:[REDACTED]@anglianwater.co.uk)
Subject: RE: ENRMF - Anglian water pipelines - X Section

Dear Mark

We are progressing with the work necessary to address the issues raised by Anglian Water and are hoping to have undertaken the majority of assessments in time for discussion at the hearing on the 8th June. So that the work can be completed expeditiously it would be helpful if the following information could be provided as soon as possible.

- As built construction of the pipelines.
- Reference for the paper discussed on 9 May 2022 which presents the approach to failure analysis used by Anglian Water. Referred to in my e-mail below.
- Any comments/feedback on Tables 1 or 2 of our e-mail of the 29th May.
- Any feedback from your legal team on the principle of the draft Requirement also sent on the 29th May.
- Any details you may have of the example quarry filling with water that you referred on 9 May and in the D5 response?

I recognise that some of the information you were having locating. If you are not going to be able to provide any of the information, I should be grateful if you could advise us.

Best regards
Gene

From: Gene Wilson
Sent: 12 May 2022 15:11
To: [REDACTED] [@anglianwater.co.uk](mailto:[REDACTED]@anglianwater.co.uk)
Cc: [REDACTED] [@anglianwater.co.uk](mailto:[REDACTED]@anglianwater.co.uk); [REDACTED] [@anglianwater.co.uk](mailto:[REDACTED]@anglianwater.co.uk)
Subject: FW: ENRMF - Anglian water pipelines - X Section

Hi Mark

Further to our meeting on 9th of May I wondered if you have had a chance to look out the reference for crater size calculation you mentioned. I believe it was commissioned by Anglian Water from Martin E*** but you couldn't remember his full name at the time?

Did you have any further luck on identifying the as built pipeline installation details?

Best regards
Gene

From: Gene Wilson

Sent: 10 May 2022 07:38

To: [REDACTED]@anglianwater.co.uk' [REDACTED]@anglianwater.co.uk>

Subject: ENRMF - Anglian water pipelines - X Section

Hi Mark

Thank you for the constructive meeting last night.

As promised, please find attached a copy of the plan and cross section of the landfill development either side of the pipelines.

We look forward to receiving the information requested. Should you have any queries please do not hesitate to contact me.

Best regards
Gene

From: [Kate Ashworth](#)
To: [Darrell Crittenden](#)
Cc: [Peter Oldfield](#); [Darl Sweetland](#); [Rachel Sykes](#); [Sophie Serdetschniy](#)
Subject: RE: ENRMF DCO [WBDUK-AC.FID103545882]
Date: 31 May 2022 13:51:59
Attachments: [image001.png](#)
[SignatureLogo_63cdb581-13c2-4631-94ea-9b042c8190fd.png](#)
[innovative_lawyers_shortlisted_2021_3_2f18440d-528d-416d-844e-8f4f07ea11f9.png](#)
[planningawards_shortlist22_72dpi_34982c1a-3597-43e1-ae44-8039013378ab.png](#)
[WBD_Email_KeyLine_TwitterLogo_2019_e134f302-9015-4bcf-a9cf-1a39dd1d618f.png](#)
[WBD_Email_KeyLine_LinkedInLogo_2019_ed441b28-0746-48f0-a9ec-756646ded617.png](#)
[DOC_174081787\(1\)_AW_Template_DCO_Protective_Provisions_-_WBD_amends_30.05.22.DOCX](#)

Afternoon Darrell

Apologies for the delay in responding on these protective provisions.

We have reviewed these in light of the current ongoing discussions between our clients and in general are content the drafting works regardless of the standoffs which are still to be agreed. We have therefore made comments and amendments where necessary.

I look forward to hearing from you with your comments.

Kind regards

Kate

Kate Ashworth

Managing Associate

Womble Bond Dickinson (UK) LLP

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e: ██████████@wbd-uk.com

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womblebonddickinson.com



From: Darrell Crittenden ██████████@anglianwater.co.uk>

Sent: 16 February 2022 18:03

To: Rachel Sykes ██████████@wbd-uk.com>; Kate Ashworth ██████████@wbd-uk.com>;

Sophie Serdetschniy ██████████@mjca.co.uk>

Cc: ██████████@augeanplc.com; Darl Sweetland ██████████@anglianwater.co.uk>

Subject: ENRMF DCO

Hi,

As agreed at our meeting, I'm sending over what we will now be using as our new standard for protective provisions, derived from what we had discussed in connection with the A428 DCO. My suggestion is that you look at the terms and if it is your opinion that there are no powers in the DCO for the particular sections of this to protect Anglian Water against, then let me know which, and why, and we'll see what we can do about slimming these down to suit.

The other thing for you to consider is how you'd like to approach the issue of operational

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PROTECTIVE PROVISIONS – SCHEDULE 9 PART 7: FOR THE PROTECTION OF ANGLIAN WATER SERVICES LIMITED

Application

79. For the protection of Anglian Water the following provisions have effect, unless otherwise agreed in writing between the undertaker and Anglian Water.

Interpretation

80. In this Part of this Schedule—

“1991 Act” means the New Roads and Street Works Act 1991;

“alternative apparatus” means alternative apparatus adequate to enable Anglian Water to fulfil its statutory functions in a manner no less efficient than previously;

“Anglian Water” means Anglian Water Services Limited;

“apparatus” means:

(a) works, mains, pipes or other apparatus belonging to or maintained by Anglian Water for the purposes of water supply and sewerage;

(b) any drain or works vested in Anglian Water under the Water Industry Act 1991;

(c) any sewer which is so vested or is the subject of a notice of intention to adopt given under section 102(4) of that Act or an agreement to adopt made under section 104 of that Act,

(d) any drainage system constructed for the purpose of reducing the volume of surface water entering any public sewer belonging to Anglian Water,

and

(e) includes a sludge main, disposal main or sewer outfall and any manholes, ventilating shafts, pumps or other accessories forming part of any such sewer, drain or works, and includes any structure in which apparatus is or is to be lodged or which gives or will give access to apparatus;

and for the purpose of this definition, where words are defined by section 219 of that Act, they shall be taken to have the same meaning

“functions” includes powers and duties;

“in”, in a context referring to apparatus or alternative apparatus in land, includes a reference to apparatus or alternative apparatus under, over or upon land;

“plan” includes all designs, drawings, specifications, method statements, soil reports, programmes, calculations, risk assessments and other documents that are reasonably necessary properly and sufficiently to describe the works to be executed;

On street apparatus

~~81. This Part of this Schedule does not apply to apparatus in respect of which the relations between the undertaker and Anglian Water are regulated by the provisions of Part 3 of the 1991 Act. [only for use where the undertaker has powers under part 3 of the New Roads and Street Works Act 1991]~~

Acquisition of land



84. Regardless of any provision in this Order, the undertaker must not acquire any apparatus otherwise than by agreement.

Removal of apparatus

85.—(1) If, in the exercise of the powers conferred by this Order, the undertaker requires that Anglian Water’s apparatus is relocated or diverted, that apparatus must not be removed under this Part of this

Schedule, and any right of Anglian Water to maintain that apparatus in that land must not be extinguished, until

(a) alternative apparatus has been constructed and is in operation to the reasonable satisfaction of Anglian Water in accordance with sub-paragraphs (2) to (8); and

(b) facilities and rights have been secured for that alternative apparatus in accordance with paragraph 86.

(2) If, for the purpose of executing any works in, on or under any land purchased, held, appropriated or used under this Order, the undertaker requires the removal of any apparatus placed in that land, the undertaker must give to Anglian Water 28 days' written notice of that requirement, together with a plan of the work proposed, and of the proposed position of the alternative apparatus to be provided or constructed and in that case (or if in consequence of the exercise of any of the powers conferred by this Order an undertaker reasonably needs to remove any of its apparatus) the undertaker must, subject to sub-paragraph (3), afford to Anglian Water the necessary facilities and rights for the construction of alternative apparatus in other land of the undertaker and subsequently for the maintenance of that apparatus.

(3) If alternative apparatus or any part of such apparatus is to be constructed elsewhere than in other land of the undertaker, or the undertaker is unable to afford such facilities and rights as are mentioned in sub-paragraph (2) in the land in which the alternative apparatus or part of such apparatus is to be constructed Anglian Water must, on receipt of a written notice to that effect from the undertaker, as soon as reasonably possible use its best endeavours to obtain the necessary facilities and rights in the land in which the alternative apparatus is to be constructed.

(4) Any alternative apparatus to be constructed in land of the undertaker under this Part of this Schedule must be constructed in such manner and in such line or situation as may be agreed between Anglian Water and the undertaker or in default of agreement settled by arbitration in accordance with article 54 (arbitration).

(5) Anglian Water must, after the alternative apparatus to be provided or constructed has been agreed or settled by arbitration in accordance with article 54, and after the grant to Anglian Water of any such facilities and rights as are referred to in sub-paragraphs (2) or (3), proceed without unnecessary delay to construct and bring into operation the alternative apparatus and subsequently to remove any apparatus required by the undertaker to be removed under the provisions of this Part of this Schedule.

(6) Regardless of anything in sub-paragraph (5), if Anglian Water gives notice in writing to the undertaker that it desires the undertaker to execute any work, or part of any work in connection with the construction or removal of apparatus in any land of the undertaker or to the extent that Anglian Water fails to proceed with that work in accordance with sub-paragraph (5) or the undertaker and Anglian Water otherwise agree, that work, instead of being executed by Anglian Water, must be executed by the undertaker without unnecessary delay under the superintendence, if given, and to the reasonable satisfaction of Anglian Water.

(7) If Anglian Water fails either reasonably to approve, or to provide reasons for its failure to approve along with an indication of what would be required to make acceptable, any proposed details relating to required removal works under sub-paragraph (2) within 28 days of receiving a notice of the required works from the undertaker, then such details are deemed to have been approved. For the avoidance of doubt, any such "deemed consent" does not extend to the actual undertaking of the removal works, which shall remain the sole responsibility of Anglian Water or its contractors.

(8) Whenever alternative apparatus is to be or is being substituted for existing apparatus, the undertaker shall, before taking or requiring any further step in such substitution works, use best endeavours to comply with Anglian Water's reasonable requests for a reasonable period of time to enable Anglian Water to:

(a) make network contingency arrangements; or

(b) bring such matters as it may consider reasonably necessary to the attention of end users of the utility in question.

Facilities and rights for alternative apparatus

86.—(1) Where, in accordance with the provisions of this Part of this Schedule, the undertaker affords to a utility undertaker facilities and rights for the construction and maintenance in land of the undertaker of alternative apparatus in substitution for apparatus to be removed, those facilities and rights are to be granted

upon such terms and conditions as may be agreed between the undertaker and Anglian Water or in default of agreement settled by arbitration in accordance with article 54 (arbitration).

(2) If the facilities and rights to be afforded by the undertaker in respect of any alternative apparatus, and the terms and conditions subject to which those facilities and rights are to be granted, are in the opinion of the arbitrator less favourable on the whole to Anglian Water than the facilities and rights enjoyed by it in respect of the apparatus to be removed and the terms and conditions to which those facilities and rights are subject, the arbitrator must make such provision for the payment of compensation by the undertaker to Anglian Water as appears to the arbitrator to be reasonable having regard to all the circumstances of the particular case.

(3) Such facilities and rights as are set out in this paragraph are deemed to include any statutory permits granted to the undertaker in respect of the apparatus in question, whether under the Environmental Permitting Regulations 2010 or other legislation.

Retained apparatus

87.—(1) Not less than 28 days before starting the execution of any works in, on or under any land purchased, held, appropriated or used under this Order that are near to, or will or may affect, any apparatus (or any means of access to it) the removal of which has not been required by the undertaker under paragraph 85(2), the undertaker must submit to Anglian Water a plan of the works to be executed.

(2) Those works must be executed only in accordance with the plan submitted under sub-paragraph (1) and in accordance with such reasonable requirements as may be made in accordance with sub-paragraph (3) by Anglian Water for the alteration or otherwise for the protection of the apparatus, or for securing access to it, and Anglian Water is entitled to watch and inspect the execution of those works.

(3) Any requirements made by Anglian Water under sub-paragraph (2) must be made within a period of 21 days beginning with the date on which a plan under sub-paragraph (1) is submitted to it.

(4) If Anglian Water in accordance with sub-paragraph (3) and in consequence of the works proposed by the undertaker, reasonably requires the removal of any apparatus and gives written notice to the undertaker of that requirement, paragraphs 1 to 3 and 6 to 8 apply as if the removal of the apparatus had been required by the undertaker under paragraph 85(2).

(5) Nothing in this paragraph precludes the undertaker from submitting at any time or from time to time, but in no case less than 28 days before commencing the execution of any works, a new plan instead of the plan previously submitted, and having done so the provisions of this paragraph apply to and in respect of the new plan.

(6) The undertaker is not required to comply with sub-paragraph (1) in a case of emergency but in that case must give to Anglian Water notice as soon as is reasonably practicable and a plan of those works as soon as reasonably practicable subsequently and must comply with sub-paragraph (3) in so far as is reasonably practicable in the circumstances, using its best endeavours to keep the impact of those emergency works on Anglian Water's apparatus, on the operation of its water and sewerage network and on end-users of the services Anglian Water provides to a minimum.

(7) For the purposes of sub-paragraph (1) and without prejudice to the generality of the principles set out in that sub-paragraph, works are deemed to be in land near Anglian Water's apparatus (where it is a pipe) if those works fall within the following distances measured from the medial line of such apparatus:

- (a) 2.25 metres where the diameter of the pipe is less than 150 millimetres;
- (b) 3 metres where the diameter of the pipe is between 150 and 450 millimetres
- (c) 4.5 metres where the diameter of the pipe is between 451 and 750 millimetres; and
- (d) 6 metres where the diameter of the pipe exceeds 750 millimetres.

Expenses and costs

88.—(1) Subject to the following provisions of this paragraph, the undertaker must repay to Anglian Water all expenses reasonably incurred by Anglian Water in, or in connection with, the inspection, removal,

alteration or protection of any apparatus or the construction of any new apparatus which may be required in consequence of the execution of any such works as are referred to in this Part of this Schedule.

(2) There must be deducted from any sum payable under subparagraph (1) the value of any apparatus removed under the provisions of this Part of this Schedule that value being calculated after removal.

(3) If in accordance with the provisions of this Part of this Schedule—

(a) apparatus of better type, of greater capacity or of greater dimensions is placed in substitution for existing apparatus of worse type, of smaller capacity or of smaller dimensions; or

(b) apparatus (whether existing apparatus or apparatus substituted for existing apparatus) is placed at a depth greater than the depth at which the existing apparatus was situated, and the placing of apparatus of that type or capacity or of those dimensions or the placing of apparatus at that depth, as the case may be, is not agreed by the undertaker or, in default of agreement, is not determined by arbitration in accordance with article 54 (arbitration) to be necessary, then, if such placing involves cost in the construction of works under this Part of this Schedule exceeding that which would have been involved if the apparatus placed had been of the existing type, capacity or dimensions, or at the existing depth, as the case may be, the amount which apart from this sub-paragraph would be payable to Anglian Water by virtue of subparagraph (1) must be reduced by the amount of that excess.

(4) For the purposes of sub-paragraph (3)—

(a) an extension of apparatus to a length greater than the length of existing apparatus is not to be treated as a placing of apparatus of greater dimensions than those of the existing apparatus; and

(b) where the provision of a joint in a pipe or cable is agreed, or is determined to be necessary, the consequential provision of a jointing chamber or of a manhole is to be treated as if it also had been agreed or had been so determined.

Indemnity

89.—(1) Subject to sub-paragraphs (2) and (3), if by reason or in consequence of the construction of any such works referred to in paragraphs 83 or 85(2), or by reason of any subsidence resulting from such development or works, any damage is caused to any apparatus or alternative apparatus (other than apparatus the repair of which is not reasonably necessary in view of its intended removal for the purposes of those works) or property of Anglian Water, or there is any interruption in any service provided, or in the supply of any goods, by Anglian Water, the undertaker must—

(a) bear and pay the cost reasonably incurred by Anglian Water in making good such damage or restoring the supply; and

(b) make reasonable compensation to Anglian Water for any other expenses, loss, damages, penalty or costs incurred by the undertaker,

by reason or in consequence of any such damage or interruption.

(2) The fact that any act or thing may have been done by Anglian Water on behalf of the undertaker or in accordance with a plan approved by Anglian Water or in accordance with any requirement of Anglian Water or under its supervision does not, subject to sub-paragraph (3), excuse the undertaker from liability under the provisions of sub-paragraph (1) unless Anglian Water fails to carry out and execute the works properly with due care and attention and in a skilful and professional like manner or in a manner that does not accord with the approved plan.

(3) Nothing in sub-paragraph (1) imposes any liability on the undertaker with respect to:

(a) any damage or interruption to the extent that it is attributable to the unlawful or unreasonable act, neglect or default of Anglian Water, its officers, servants, contractors or agents;

(b) any apparatus which is to be removed as part of the authorised development;

(c) any part of the authorised development carried out by Anglian Water in the exercise of any functions conferred by this Order pursuant to a transfer of benefit under article 7; or

(d) any indirect or consequential loss of any third party (including but not limited to loss of use, revenue, profit, contract, production, increased cost of working) arising from any such damage or interruption, which is not reasonably foreseeable.

(4) Anglian Water must give the undertaker reasonable notice of any such claim or demand and no settlement or compromise is to be made, without the consent of the undertaker (such consent not to be unreasonably withheld or delayed) who, if withholding such consent, has the sole conduct of any settlement or compromise or of any proceedings necessary to resist the claim or demand.

(5) Anglian Water must act reasonably in relation to any claim or demand served under subparagraph (1) indemnity and use its reasonable endeavours to mitigate and to minimise any costs, expenses, loss, demands and penalties to which a claim or demand under subparagraph (1) applies.

Cooperation

90. Where in consequence of the proposed construction of any of the authorised development, the undertaker or Anglian Water requires the removal of apparatus under paragraph 85(2) or Anglian Water makes requirements for the protection or alteration of apparatus under paragraph 9, the undertaker must use all reasonable endeavours to co-ordinate the execution of the works in the interests of safety and the efficient and economic execution of the authorised development and taking into account the need to ensure the safe and efficient operation of Anglian Water's undertaking, using existing processes where requested by Anglian Water, provided it is appropriate to do so, and Anglian Water must use all reasonable endeavours to co-operate with the undertaker for that purpose.

91. Where the undertaker identifies any apparatus which may belong to or be maintainable by Anglian Water but which does not appear on any statutory map kept for the purpose by Anglian Water, it shall inform Anglian Water of the existence and location of the apparatus as soon as reasonably practicable.

92. Nothing in this Part of this Schedule affects the provisions of any enactment or agreement regulating the relations between the undertaker and Anglian Water in respect of any apparatus laid or erected in land belonging to the undertaker on the date on which this Order is made.

93. The undertaker and Anglian Water may by written agreement substitute any period of time for those periods set out in this Part of this Schedule.

Arbitration

94. Any difference or dispute arising between the undertaker and Anglian Water under this Part of this Schedule must, unless otherwise agreed in writing between the undertaker and Anglian Water, be determined by arbitration in accordance with article 20 (arbitration).

[Note: the main provisions of the DCO may provide the undertaker with a right to connect to a public sewer. If so, although the connection may only be made with the consent of Anglian Water, such consent may not be unreasonably withheld. Disputes as to reasonableness are dealt with as disputes under section 106 of the Water Industry Act 1991 which preclude the issue of capacity being raised. Therefore, Anglian Water should be named as a consultee in respect of the drainage strategy that the development must follow, which will usually be found in the Schedule concerning "Requirements". This will put Anglian Water in the same position as it would be in connection with a non-DCO development seeking connection under section 106 above.]

Robyn Northall

Subject: FW: Provision of information

From: Gene Wilson <[REDACTED]@augean.co.uk>

Sent: 09 June 2022 08:39

To: Mark Froggatt <[REDACTED]@anglianwater.co.uk>

Cc: Steve Leader <[REDACTED]@anglianwater.co.uk>; Claire Trolove <[REDACTED]@anglianwater.co.uk>

Subject: Provision of information

Dear Mark

Further to the hearing yesterday. I confirm that so far I have not received the information that you indicated had been sent on the evening of Wednesday 1st of June.

I have checked with our IT provider and understand that the maximum limit of total attachments for any one e-mail is 20Mb.

If you could resend the information should be most grateful.

Thank you for your help.

Best regards

Gene

Gene Wilson

Augean

East Northants Resource Management Facility

Stamford Road

Kings Cliffe

PE8 6XX

Tel: 01780 444905

Mobile: [REDACTED]

Web: www.augean.co.uk



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Robyn Northall

Subject: FW: Provision of information

From: Claire Trolove <[REDACTED]@anglianwater.co.uk>

Sent: 16 June 2022 13:47

To: Gene Wilson <[REDACTED]@augean.co.uk>; Mark Froggatt <[REDACTED]@anglianwater.co.uk>

Cc: Steve Leader <[REDACTED]@anglianwater.co.uk>

Subject: RE: Provision of information

Hi Gene

I will resend the email with attachments straight after this email. If you have not received them in the next ten minutes please let me know.

Kind regards



anglianwater

Claire Trolove

Solicitor

Mobile: [REDACTED]

Anglian Water Services Limited

Lancaster House, Lancaster Way, Ermine Business Park, Huntingdon, Cambridgeshire, PE29 6XU

From: Gene Wilson <[REDACTED]@augean.co.uk>

Sent: 09 June 2022 08:39

To: Mark Froggatt <[REDACTED]@anglianwater.co.uk>

Cc: Steve Leader <[REDACTED]@anglianwater.co.uk>; Claire Trolove <[REDACTED]@anglianwater.co.uk>

Subject: Provision of information

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Dear Mark

Further to the hearing yesterday. I confirm that so far I have not received the information that you indicated had been sent on the evening of Wednesday 1st of June.

Sophie Serdetschniy

Subject: FW: Response 1 of 2
Attachments: Table 1. Scoping Table of Scenarios for Risk Assessment.docx; Table 2. Proposals to Address the Key Risk Scenarios.docx; Pipeline isolation points.docx

From: Claire Trolove <[REDACTED]@anglianwater.co.uk>
Sent: 16 June 2022 13:48
To: Gene Wilson <[REDACTED]@augean.co.uk>
Subject: FW: Response 1 of 2



anglianwater

Claire Trolove

Solicitor

Mobile: [REDACTED]

Anglian Water Services Limited

Lancaster House, Lancaster Way, Ermine Business Park, Huntingdon, Cambridgeshire, PE29 6XU

From: Claire Trolove
Sent: 16 June 2022 13:47
To: Gene Wilson <[REDACTED]@augean.co.uk>
Subject: FW: Response

Hi Gene

As mention in my previous email.

Kind regards



anglianwater

Claire Trolove

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From: Mark Froggatt <[REDACTED]@anglianwater.co.uk>
Sent: 01 June 2022 19:16
To: [REDACTED]@augean.co.uk
Cc: Steve Leader <[REDACTED]@anglianwater.co.uk>; Darl Sweetland <[REDACTED]@anglianwater.co.uk>; Claire Trolove <[REDACTED]@anglianwater.co.uk>; Meyric Lewis <[REDACTED]@ftbchambers.co.uk>
Subject: Response

Gene,
As per your request please find the attached responses to your questions.
For ease of reference, I have added in red text my comments and concerns.
We are still working on some remaining clarifications, but I believe that I have expressed my concerns and answered the points raised
Please refer to the attached documents.
Regards
Mark



Mark Froggatt
Chief Engineer AWS
Head of Solutions @one Alliance
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ENRMF DCO Application Anglian Water Pipelines. Table 1 Scoping Table of Scenarios for Risk Assessment.

1. Introduction

The scoping table is prepared and provided for discussion in order to agree the risks which might arise and which need to be assessed. It is helpful to the risk assessment process to agree the scenarios (and their reasonable likelihood) at the outset so that the risk assessment process is methodical and as comprehensive as possible.

It is anticipated that once the scenarios are agreed, the first stage of the risk assessment will commence and as part of that stage further discussions may be appropriate to agree the parameters and values assigned where numerical analysis is carried out.

As part of the risk assessment process, avoidance and/or mitigation measures which may reduce the risk of an occurrence or the magnitude or effect of the consequences of an occurrence will be identified for consideration.

For the purposes of this risk assessment process the presence of the proposed diverted electricity cable in the same area as the water pipes is ignored as it is considered that the presence of any diverted cable can be assessed following the conclusion of this risk assessment process for the water pipes only. Similarly it is considered that a suitable crossing over the pipelines can be constructed that will protect the integrity of the pipelines. This may take the form of placement of additional thickness of material over the pipeline and/or the use of steel road plates or other structures to spread the load. A specification for design of the crossing is needed and we understand that it is for Anglian Water to provide the specification. This risk is therefore not included in the assessments below. **Your risk assessment – is based on what width of easement?**

2. Factual information that needs to be confirmed and/or provided to assist in the assessments.

A schematic diagram showing the cross section in the area under consideration is attached for reference (Drawing reference AU/KCW/04-22/23114).

The two water pipes are each understood to be formed of steel 800mm in diameter with approximately 4.5m between the two pipe centres. The tops are approximately 1.2m below the ground level. The pipe bedding is likely to be Type S aggregate to half or two thirds the diameter of the pipe covered with backfill. **Anglian Water are seeking as built drawings of the installed pipes. We are seeking a scan of the existing drawing data. Our pipelines are digitised and maintained within our GIS model as previously indicated. We maintain information of over 80,000km of pipeline and maintenance of traditional drawings is not possible. We will however keep combing the archives we still maintain for some detailed information.**

The pipes are gravity fed water mains with flow (un-boosted) driven by the reservoir pressure up stream. Flow is likely to be 1m³/s at 8bar. There is no pressure monitoring in the pipes, the system is designed to compensate for any loss in pressure.

The nearest isolation valves are 1km [*where?*] for the southern pipe and 5km [*where?*] for the northern pipe. It has been suggested that it could take up to 4 hours [*Anglian to confirm/update*] for isolation following a failure of the pipe. **We have previously identified the location of isolation valves in the north and south lines (see attachment for further detail)**

Anglian have been requested to provide any internal (or other) references or guidance used for the prediction of pipe blow outs.

The assessment of failure assumes a number of conditions; soils, hydrology, material and loading. Equally we have advised that, although theoretical research has been done on failure analysis and determination of erosion / crater formation we have extensive experience of dealing with pressure pipeline failure and the aftermath of major burst events. Catastrophic failure events often deliver significant material damage to the local area due to the volume of water emitted before resolution (attached picture Horstead tower main, 450mm, taking above a 2m deep swathe)



However, our assessment for the potential for failure is based on a steady state condition and does not allow for additional localised loading, impacts of nearby excavation, exposure of previously buried materials and differentially loaded areas. A recent review undertaken on our behalf (see attached Map) suggests a likelihood of circa 20-50 years although I am seeking to understand this further. It is noted that we have already attended to a leak on the pipeline immediately adjacent to the Western boundary where it enters the proposed development.

Our concern remains the proposed easement, its long-term exposure, lack of monitoring and potential to resist extreme weather events of cold weather or drought periods which increases our risk significantly. In addition, the phased delivery of excavation and fill, including crossing of our pipelines to achieve this also contribute to undefined loading and therefore risk.

Any resulting failure from the impact of that described places significant risk of customer supply, reputation and cost to Anglian Water. We remind you that this is not a small service easily re-zoned but a major trunk main providing water to the city of Peterborough hence our view to remove this from the development area, as per the previous pipeline relocation.

For repair purposes room is needed to provide:

- excavation to the pipe and safe batters
- room for access and operation by 20t to 40t crawlers
- space for vehicles to pass the crawler
- room is needed either side so that each pipe can be accessed.

Agreement is needed on what activities by Augean are acceptable in the standoff area.

Specify the easement width assessed? AW has made its minimum position clear.

Anglian are requested to confirm whether the pipes deliver treated water directly to supply or whether the water is directed to a blending/treatment facility before entering supply. **The pipes deliver clean and wholesome drinking water into to the distribution system for consumption – no further treatment is**

provided.

3. Scoping table of scenarios for risk assessment

The scenarios for which the risks need to be assessed are set out in the table below. The scenarios are divided into the following categories:

- Long term stability in temporary position of easement with respect to adjacent works impact and the effect of protracted periods of extreme cold weather such as another 'Beast from the East' or extended period of drought?
 - physical/structural safety concerns under normal circumstances,
 - physical/structural safety concerns under abnormal circumstances (ie following pipe failure rather than as a result of a small leak),
 - access needs under normal circumstances, **Assessment of crossing of construction and operational traffic and impact of phased loading / excavation to the corridor as phases are opened/ filled and closed**
 - access needs under abnormal circumstances (ie following pipe failure rather than as a result of a small leak),
 - contamination concerns/access under normal circumstances, and what potential exposure pathway is of concern
 - contamination concerns/access under abnormal circumstances (ie following pipe failure), and what potential exposure pathway is of concern.

Each scenario is considered for each of the following development stages:

- A. Pre-development;
- B. Operational excavation and construction stage;
- C. Operational waste placement (below ground) stage;
- D. Operational waste placement (above ground) stage; and
- E. Post restoration period.

Development stage	Status of the water pipe(s)*	Scenario to be assessed	Potential consequences to be assessed
<i>*The risks and consequences will be considered with respect to one pipe and to both pipes at the same time where this affects the consequences.</i>			
A. Pre-development. Current situation – agricultural field, 15m to 20m from the excavation boundary of the current landfill site, passing beneath nearby road. <i>These scenarios represent the pre-development, baseline situation.</i>	Pipe intact	<i>Physical/structural safety concerns:</i> Presence of water in the bedding surrounding the pipeline causing corrosion	Reduced life of the pipeline
		<i>Access needs:</i> Ease of access to carry out repair.	Flooding of the area with water prior to cutting off the flow.
		<i>Contamination concerns:</i> None envisaged.	No assessment needed.
	Failed pipe – assume catastrophic failure.	<i>Physical/structural safety concerns:</i> Crater formed.	What would the crater size be? Erosion of adjacent land by the water from the pipe.
		<i>Access needs:</i> Ease of access to carry out repair.	Flooding of the area with water prior to cutting off the flow.
		<i>Contamination concerns:</i> Effect on water quality at the point of supply.	Potential for silt and/or contaminants (fertiliser, pesticides, waste in existing landfill) to enter the pipe (this would be during repair works as there would be no flow following pipe failure)
B. Operational excavation and construction stage. Excavation of the adjacent phases and construction of the engineered containment liner	Pipe intact	<i>Physical/structural safety concerns:</i> Instability/movement/reduction in strength of the supporting ground Slip in the excavated slope. Presence of water in the bedding surrounding the pipeline causing corrosion	Potential to destabilise/damage the pipes. Increased risk of pipe failure. Consider the effects if excavations take place concurrently on both sides of the pipe corridor. Reduced life of the pipeline.
		<i>Access needs:</i> Ease of access to carry out repair.	The excavation might affect the topographical falls around the pipeline therefore resulting in a decrease in surface water runoff across the pipeline and flooding restricting access to the area to carry out repair.
		<i>Contamination concerns:</i> No additional sources envisaged as no sources as a result of the development.	No assessment needed.

Development stage	Status of the water pipe(s)*	Scenario to be assessed	Potential consequences to be assessed
<i>*The risks and consequences will be considered with respect to one pipe and to both pipes at the same time where this affects the consequences.</i>			
	Failed pipe – assume catastrophic failure.	<i>Physical/structural safety concerns:</i> Crater formed.	What would the crater size be? Potential for damage to the excavated slope as a result of the crater. Potential for damage to the excavated slope as a result of the water runoff from the pipe. Potential for water from the pipe to enter the excavation.
		<i>Access needs:</i> Ease of access to carry out repair.	Restriction on physical space (as a result of the presence of the excavations) to carry out the pipe repair in a timely manner. The excavation might affect the topographical falls around the pipeline therefore resulting in a decrease in surface water runoff across the pipeline and flooding restricting access to the area to carry out repair
		<i>Contamination concerns:</i> No additional sources envisaged as no sources as a result of the development	Potential for silt and/or agricultural contaminants (fertiliser, pesticides, waste in existing landfill) to enter the pipe (this would be during repair works as there would be no flow following pipe failure)
C. Operational waste placement (below ground) stage Placement of waste in the adjacent phases to levels below the ground	Pipe intact	<i>Physical/structural safety concerns:</i> Instability/reduction in strength of the supporting ground. Slip in the excavated slope and/or supporting waste slope. Presence of water in the bedding surrounding the pipeline causing corrosion	Potential to destabilise/damage the pipes. Increased risk of pipe failure. Consider the effects if excavations and waste placement take place concurrently on both sides of the pipe corridor. Reduced life of the pipeline.
		<i>Access needs:</i> Ease of access to carry out repair.	Restriction on physical space (as a result of the presence of the landfill) to carry out the pipe repair in a timely manner. The landfill might affect the topographical falls around the pipeline therefore resulting in a decrease in surface water runoff across the pipeline and

Development stage	Status of the water pipe(s)*	Scenario to be assessed	Potential consequences to be assessed
<i>*The risks and consequences will be considered with respect to one pipe and to both pipes at the same time where this affects the consequences.</i>			
			flooding restricting access to the area to carry out repair.
		<i>Contamination concerns:</i> Migration of contaminants from the waste into the water in the pipe. Migration of contaminants from the waste into the pipe bedding and onward migration to groundwater or surface water.	Assess the risks from contaminants to include gas/vapour, waste particles washed off the deposited waste mass, chemical and radioactive contaminants in leachate, LLW potential to irradiate the water in the pipes.
	Failed pipe – assume catastrophic failure.	<i>Physical/structural safety concerns:</i> Crater formed.	What would the crater size be? Potential for damage to the excavated and lined slope as a result of the crater. Potential for damage to the excavated and lined slope as a result of the water runoff from the pipe. Potential for water from the pipe to enter the waste and generate excess leachate.
		<i>Access needs:</i> Ease of access to carry out repair.	Restriction on physical space (as a result of the presence of the landfill) to carry out the pipe repair in a timely manner. The landfill might affect the topographical falls around the pipeline therefore resulting in a decrease in surface water runoff across the pipeline and flooding restricting access to the area to carry out repair.

Development stage	Status of the water pipe(s)*	Scenario to be assessed	Potential consequences to be assessed
<i>*The risks and consequences will be considered with respect to one pipe and to both pipes at the same time where this affects the consequences.</i>			
		<p><i>Contamination concerns:</i> Effect on water quality at the point of supply. Potential for contaminants in the waste to escape as a result of the damaged containment and migrate.</p>	<p>Potential for contaminants from the waste or leachate to enter the pipe (this would be during repair works as there would be no flow following pipe failure). Potential for contaminants from the waste or leachate to escape as a result of the damaged containment and migrate to the air, surface water or groundwater. Assessment of the risks from contaminants to include gas/vapour, waste particles washed off the deposited waste mass, chemical and radioactive contaminants in leachate.</p>
<p>D. Operational waste placement (above ground) stage</p> <p>Placement of waste in the adjacent phases to levels above the ground</p>	Pipe intact	<p><i>Physical/structural safety concerns:</i> Instability/reduction in strength of the supporting ground. Slip in the above ground waste slope. Presence of water in the bedding surrounding the pipeline causing corrosion. Erosion as a result of water runoff from the filled waste areas.</p>	<p>Potential to destabilise/damage the pipes. Increased risk of pipe failure. Consider the effects if waste placement take place concurrently on both sides of the pipe corridor. Reduced life of the pipeline.</p>
		<p><i>Access needs:</i> Ease of access to carry out repair.</p>	<p>Restriction on physical space (as a result of the presence of the landfill) to carry out the pipe repair in a timely manner. The landfill might affect the topographical falls around the pipeline therefore resulting in a decrease in surface water runoff across the pipeline and flooding restricting access to the area to carry out repair.</p>
		<p><i>Contamination concerns:</i> Migration of contaminants from the waste into the water in the pipe.</p>	<p>Assess the risks from contaminants to include gas/vapour, waste particles washed off the deposited waste mass, chemical and radioactive contaminants in leachate, LLW potential to irradiate the water in the pipes.</p>

Development stage	Status of the water pipe(s)*	Scenario to be assessed	Potential consequences to be assessed
<i>*The risks and consequences will be considered with respect to one pipe and to both pipes at the same time where this affects the consequences.</i>			
		Migration of contaminants from the waste into the pipe bedding and onward migration to groundwater or surface water.	
	Failed pipe – assume catastrophic failure.	<i>Physical/structural safety concerns:</i> Crater formed.	What would the crater size be? Potential for damage to the lined slope and placed waste as a result of the crater. Potential for damage to the lined slope and placed waste as a result of the water runoff from the pipe. Potential for water from the pipe to enter the waste and generate excess leachate.
		<i>Access needs:</i> Ease of access to carry out repair.	Flooding restricting access to the area to carry out repair. Restriction on physical space (as a result of the presence of the landfill areas) to carry out the pipe repair in a timely manner.
		<i>Contamination concerns:</i> Effect on water quality at the point of supply. Potential for contaminants in the waste to escape as a result of the damaged containment and migrate.	Potential for contaminants from the waste or leachate to enter the pipe (this would be during repair works as there would be no flow following pipe failure). Potential for contaminants from the waste or leachate to escape as a result of the damaged containment and migrate to the air, surface water or groundwater. Assessment of the risks from contaminants to include gas/vapour, waste particles washed off the deposited waste mass, chemical and radioactive contaminants in leachate.
E. Post restoration period After capping and restoration of the site	Pipe intact	<i>Physical/structural safety concerns:</i> Instability/reduction in strength of the supporting ground. Slip in the above ground restored site slope.	Potential to destabilise/damage the pipes. Increased risk of pipe failure. Reduced life of the pipeline.

Development stage	Status of the water pipe(s)*	Scenario to be assessed	Potential consequences to be assessed
<i>*The risks and consequences will be considered with respect to one pipe and to both pipes at the same time where this affects the consequences.</i>			
		Presence of water in the bedding surrounding the pipeline causing corrosion. Erosion as a result of water runoff from the restored landfill areas.	
		<i>Access needs:</i> Ease of access to carry out repair.	Restriction on physical space (as a result of the presence of the landfill) to carry out the pipe repair in a timely manner. The landfill might affect the topographical falls around the pipeline therefore resulting in a decrease in surface water runoff across the pipeline and flooding restricting access to the area to carry out repair.
		<i>Contamination concerns:</i> Migration of contaminants from the waste into the water in the pipe. Migration of contaminants from the waste into the pipe bedding and onward migration to groundwater or surface water.	Assess the risks from contaminants to include gas/vapour, chemical and radioactive contaminants in leachate, LLW potential to irradiate the water in the pipes.
	Failed pipe – assume catastrophic failure.	<i>Physical/structural safety concerns:</i> Crater formed.	What would the crater size be? Potential for damage to the capped and restored slope or lined perimeter as a result of the crater. Potential for damage to the capped and restored slope or lined perimeter as a result of the water runoff from the pipe. Potential for water from the pipe to enter the waste and generate excess leachate. Flooding restricting access to the area to carry out repair. Restriction on physical space (as a result of the presence of the landfill areas) to carry out the pipe repair in a timely manner.
		<i>Access needs:</i> Ease of access to carry out repair.	Flooding restricting access to the area to carry out repair.

Development stage	Status of the water pipe(s)*	Scenario to be assessed	Potential consequences to be assessed
<i>*The risks and consequences will be considered with respect to one pipe and to both pipes at the same time where this affects the consequences.</i>			
		<p><i>Contamination concerns:</i> Effect on water quality at the point of supply. Potential for contaminants in the waste to escape as a result of the damaged containment and migrate.</p>	<p>Restriction on physical space (as a result of the presence of the landfill areas) to carry out the pipe repair in a timely manner.</p> <p>Potential for contaminants from the waste or leachate to enter the pipe (this would be during repair works as there would be no flow following pipe failure).</p> <p>Potential for contaminants from the waste or leachate to escape as a result of the damaged containment and migrate to the air, surface water or groundwater.</p> <p>Assessment of the risks from contaminants to include gas/vapour, waste particles washed off the deposited waste mass, chemical and radioactive contaminants in leachate.</p>

ENRMF DCO Application Anglian Water Pipelines. Table 2 Proposals to address the key risk scenarios

Introduction

The purpose of this table is to identify the main work areas and information needed to progress assessment of the key risk scenarios identified in Table 1.

Relevant stage of development (See Table 1)	Management controls	Proposed assessments	Information required Each item is only identified once
1. Pipe Intact: Access for maintenance and repairs			
All stages	<p>Distance of standoff of landfill operations and any ground structures such as hedges and fences.</p> <p>Limitations of any restoration soil depth and/or gradient placement in the standoff area.</p> <p>It is considered that the provision of laydown areas does not need to be accommodated within the standoff area as an agricultural field with an access track is available at the eastern end of the area.</p>	<p>Review of operational requirements for Anglian.</p> <p>Obtain advice from a specialist pipeline engineer in relation to the likely access requirement needed to facilitate a pipeline repair or replacement.</p>	<p>Confirmation of Anglian requirements.</p> <p>As built information regarding the pipelines. <i>We are recalling records, but all pipelines are digitised and added to our GIS model. Holding paper records of over 80,000km of pipes has led us to a digital approach. However, we do hold some scanned information which we are still combing records and will advise accordingly</i></p>
2. Pipe Intact: Impact on structural integrity of the pipes as a result of excavation and filling			
Stages B, C, D	<u>Proposed:</u> Distance of standoff of the excavation that does not result in significant movement of the pipeline due	Geotechnical risk assessments have been undertaken to verify the stability of the excavated	Tolerances for movements and strains of the pipeline including in particular at

	<p>to changes in the stresses on the ground surrounding the pipeline during to excavation and filling of the landfill phases.</p> <p>Excavated slopes are designed to a factor of safety of 1.4. The slopes do not stand open for long as they are lined with clay and geosynthetic materials before being backfilled soon after construction. The excavated slopes have factors of safety of 1.4 while they are open and increase rapidly as they are lined and then filled, becoming fully supported and therefore unable to fail once waste reaches ground level.</p> <p>During the slope excavation and lining there is full time supervision on site of the works by independent quality assurance engineers.</p> <p>During the filling and restoring of the slopes the stability and integrity of the slopes and lining system are monitored by Augean in accordance with the site operational procedures and environmental permit requirements.</p> <p><u>Additional:</u> No additional controls are considered necessary.</p>	<p>and lined slopes prior to, during and following landfill cell construction and filling.</p> <p>Further assessment will be undertaken, in consultation with a specialist pipeline engineer, to verify that standoffs from the pipeline and pipeline joints and bends will be enough to prevent changes to the current stress conditions of the ground surrounding the pipeline during to excavation and filling of the landfill phases</p> <p>Assessment of swelling and shrinkage potential of the in-situ clays surrounding the pipeline and whether this potential is likely to change due the proximity of the landfill site.</p>	<p>the location of the pipeline bends and the ground stresses that need to be maintained at the bends.</p> <p>All areas of pipeline, Bends and Valve points and crossing of pipe need assurance – we do not believe that this has been assessed.</p> <p>Augean has extensive information and experience of the geotechnical properties of the clay material around and under the pipelines so it is not anticipated that further site investigation will be needed. Depending on the sensitivity of the outcome based on the short and long tern (total and effective stress) shear strength data that is available already for the in situ geology at the site and the possible need for additional parameter information, it may be necessary to obtain more data close to the pipelines</p> <p>The clay surround has been previously re-worked</p>
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			<p>and replaced as excavated fill and may no longer be representative of virgin material.</p> <p>Monitoring of bank stability would be required due to risk of long term exposure and</p> <p>Impact of extreme weather events on banking and differential loading conditions</p>
3. Pipe Intact: Contaminant migration from the landfill below ground to the pipeline surrounds			
Stages C, D, E	<p><u>Proposed:</u> Landfill engineering prevents the migration of contaminants beyond the site (1m clay at 1×10^{-9} m/s permeability and 2mm HDPE 1×10^{-14} m/s). The landfill and the pipeline are situated within in-situ clay with a vertical permeability of 1.9×10^{-10} m/s to 8.4×10^{-12} m/s with a geometric mean of 2.6×10^{-11} m/s (based on 5 samples of glacial till from the site).</p> <p>Leachate levels are maintained no greater than 1m above the base of the site which is at least 7m below the pipelines. Groundwater is at least 8m below the base of the site in the vicinity of the pipelines.</p> <p>As the wastes deposited in the landfill will have limited gas generating potential the generation of gases or vapours under pressure at the site is not anticipated. Gas concentrations and</p>	<p>There is no identified below ground pathway for the contaminants to migrate to the pipelines as solid, soluble or gaseous contaminants.</p> <p>Gamma radiation from LLW is attenuated through the landfill cell walls and the clay and soil. Accordingly, gamma radiation from the LLW will not affect the properties of the water in the pipelines. This specific assessment will be presented in the ESC which is under preparation. The relevant sections of the ESC will be provided to Anglian Water for confirmation.</p>	<p>It is considered that no additional information is necessary.</p> <p>This was not questioned; our concern was the impact of any burst breaching the containment then filling your basin system. Waters within this may, therefore, be contaminated with material from the land fill to a level above the required leachate control. If filled to the level of the breach there is also the potential to drain back to our required repair area via the breach.</p>

	<p>pressures are monitored under the Environmental Permit. If active extraction and management becomes necessary, it will be implemented in accordance with the Environmental Permit.</p> <p><u>Additional:</u> No additional controls are considered necessary.</p>		
4. Pipe Intact: Contaminant run-off to the pipeline surrounds			
Stages C, D	<p><u>Proposed:</u> During stage C the waste is below ground level. During Stage D the edge of the waste is maintained at 1m below the top of the landfill liner. Run-off from the landfilled waste drains back into the landfill.</p> <p>A geocomposite drainage layer (geotextile with a drainage core) will be installed to provide a leachate drainage blanket up the inner side slopes of the engineered liner.</p> <p><u>Additional:</u> No additional controls are considered necessary.</p>	There is no identified pathway for the contaminants to migrate to the pipelines	<p>It is considered that no additional information is necessary</p> <p>In the event of critical failure and breach as described above and the possibility of filling a cell with water the potential to backflow – however slight – remains as does AW’s residual risk from such an event. A risk which we do not currently have.</p>
5. Pipe Intact: Surface water run off causing increased inundation around pipelines			
Stage E	<p><u>Proposed:</u> Interception ditches will be installed along the edge of the landfills diverting water away from the pipelines.</p> <p>Storm attenuation areas are for short term storage after storm events and should not result in additional water inundation around the pipelines</p>	Assess the drainage efficacy to manage the potential run off and compare with pre-development drainage characteristics	<p>It is considered that no additional information is necessary</p> <p>By creation of the ‘corridor’ or concern related to ground drain age / topography to the open ends being concentrated</p>

	<p><u>Additional:</u> Water levels in the bedding around the pipelines could be monitored routinely before and after operations to determine if there is a significant change.</p> <p>Storm attenuation areas could be lined with clay if monitoring indicates water is draining towards the pipelines</p>		<p>to the pipe trench rather than natural dissipation as is currently the situation. Any associated swale or drainage channel should not encroach on easements.</p>
<p>6. Pipe Failed: Catastrophic failure resulting in a crater affecting the integrity of the landfill</p>			
<p>Stages C, D, E</p>	<p><u>Proposed:</u> The landfill will be constructed beyond the predicted crater</p> <p><u>Additional:</u> No additional controls are considered necessary.</p>	<p>Determine, in consultation with a specialist pipeline engineer, the potential size of the crater or erosion zone due to high pres</p>	<p>Identify methodology for prediction of the crater and calculate the size. As described previously there are several research papers and methodologies to assess the impact of energy release and water flow. However, Anglian water does not have a mechanism of assessment yet has significant experience is dealing with burst mains and the impact of such events. Large mains at the pressure this main operates at is expected to give both a significant erosion of the surrounding area.</p> <p>Confirm the nature of potential failures. The nature of failures is calculated and assessed by our risk model (see</p>



attached) however these assessments assume steady state conditions. Our models whilst they take account for ground conditions, pressure and materials they do not take account for additional loading, excavation loadings, exposure of stable soil structures. Our concern is the impact of long term and differential loading to the route through the landfill area (example of failure of a 10" main)

Confirm the pipeline pressure of 8bar. The pipe line is operating around the 8 bar g range.

		sure release	
7. Pipe Failed: Failure resulting in water discharge to the landfilled waste			
Stages C, D	<p><u>Proposed:</u> The landfill would accommodate the water and would have to be removed as leachate.</p> <p><u>Additional:</u> Construct bunds along the edge of the void during the operational period to divert water away from the waste.</p> <p>Consider the installation of leak detection systems to provide early warning of leaks so that repairs can be carried out well before any approach to catastrophic failure.</p>	<p>Calculation of the volume of water that would be discharged to the landfill.</p> <p>If bunds are constructed it will be necessary to assess where the water will discharge to.</p>	<p>Confirm the rate of flow from the pipeline and the length of time until the pipeline is isolated.</p> <p>As previously described in earlier communications.</p>
8. Pipe Failed: Failure resulting in water inundation along the pipeline area preventing access			
Stages C, D, E	<p>Falls are generally along the line of the pipeline and fall to the north west for the majority of the pipeline area, with the south eastern third falling to the south east. Water is unlikely to pond in the area of the pipeline.</p>	<p>Review and confirm drainage patterns around the pipeline for the current site, during the site works and following site restoration.</p>	<p>No additional information needed</p> <p>The quantity of flowing water within the corridor, whilst flowing to a position, will still be channelled through the access and repair area. The Narrower the corridor the greater the influence during the term of the event – remembering we do not turn off supply until we are able to achieve either local isolation and flushing for fear of interruption to supply and potential of contaminating the main</p>

9. Pipe Failed: Risk of contamination of surrounding ground will enter the water supply

Stages C, D, E	<p>As a result of the measures that will be implemented to minimise the risks addressed above, there is no risk that contaminants will enter the pipeline during pipeline repairs as the ground around the pipeline will not contain contaminants from the landfill.</p> <p>Notwithstanding this, there is the potential for public perception that this remains as a risk. In order to gain and maintain public trust and confidence it is important that information and risk assessment is based on factual and evidenced information and scenarios.</p>	<p>A non-technical summary risk assessment will be prepared identifying and summarising why there is no risk of contamination of water supplies under all of the scenarios considered.</p>	<p>No additional information needed.</p> <p>Refer to above</p>
----------------	---	--	--

Robyn Northall

Subject: FW: Response 2 of 2
Attachments: Stantec PR24 likelihoods.pdf

From: Claire Trolove <[REDACTED]@anglianwater.co.uk>
Sent: 16 June 2022 13:49
To: Gene Wilson <[REDACTED]@augean.co.uk>
Subject: FW: Response 2 of 2



anglianwater

Claire Trolove

Solicitor

Mobile: [REDACTED]

Anglian Water Services Limited

Lancaster House, Lancaster Way, Ermine Business Park, Huntingdon, Cambridgeshire, PE29 6XU

From: Claire Trolove
Sent: 16 June 2022 13:47
To: Gene Wilson <[REDACTED]@augean.co.uk>
Subject: FW: Response

Hi Gene

As mention in my previous email.

Kind regards



anglianwater

Claire Trolove

Solicitor

Mobile: [REDACTED]

Anglian Water Services Limited

Lancaster House, Lancaster Way, Ermine Business Park, Huntingdon, Cambridgeshire, PE29 6XU

From: Mark Froggatt <[REDACTED]@anglianwater.co.uk>
Sent: 01 June 2022 19:16
To: [REDACTED]@augean.co.uk
Cc: Steve Leader <[REDACTED]@anglianwater.co.uk>; Darl Sweetland [REDACTED]@anglianwater.co.uk>; Claire Trolove <[REDACTED]@anglianwater.co.uk>; Meyric Lewis <[REDACTED]>
Subject: Response

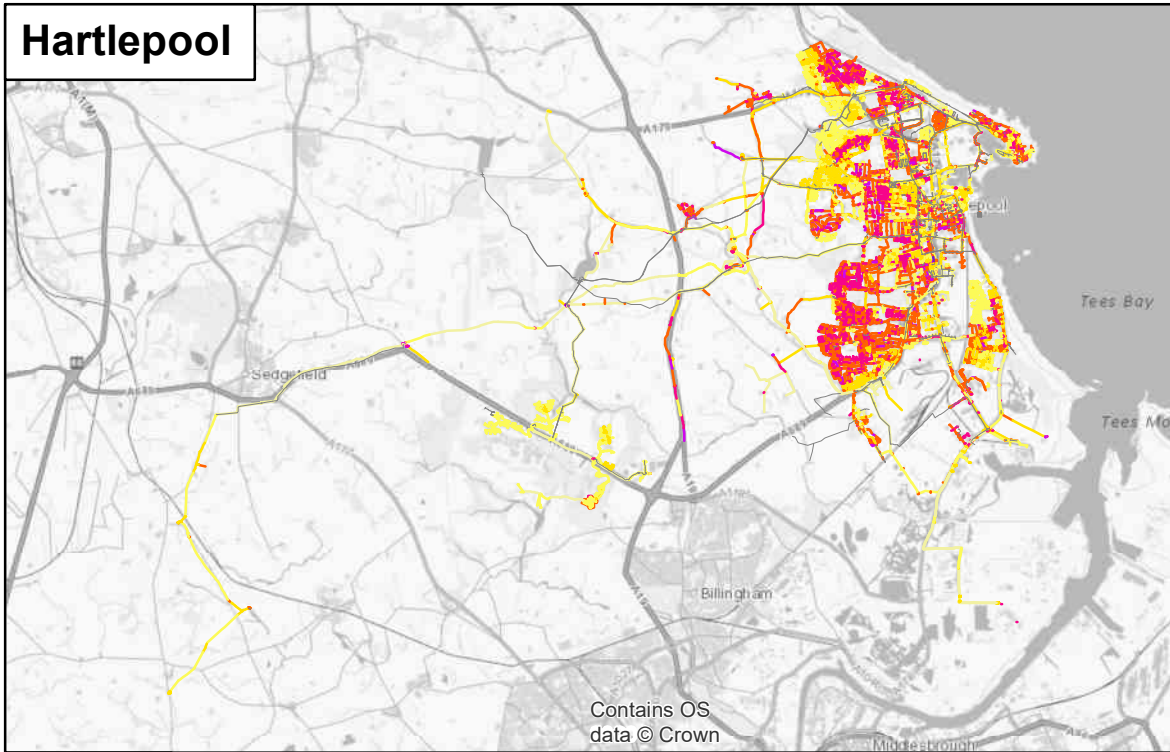
Gene,
As per your request please find the attached responses to your questions.
For ease of reference, I have added in red text my comments and concerns.
We are still working on some remaining clarifications, but I believe that I have expressed my concerns and answered the points raised
Please refer to the attached documents.
Regards
Mark



Mark Froggatt
Chief Engineer AWS
Head of Solutions @one Alliance
Mobile – [REDACTED]
PA – Karen Charman (kcharman@anglianwater.co.uk)
Mobile – [REDACTED]
Anglian Water Services Limited
Lancaster House, Ermine Business Park, Huntingdon, Cambridgeshire, PE29 6XU

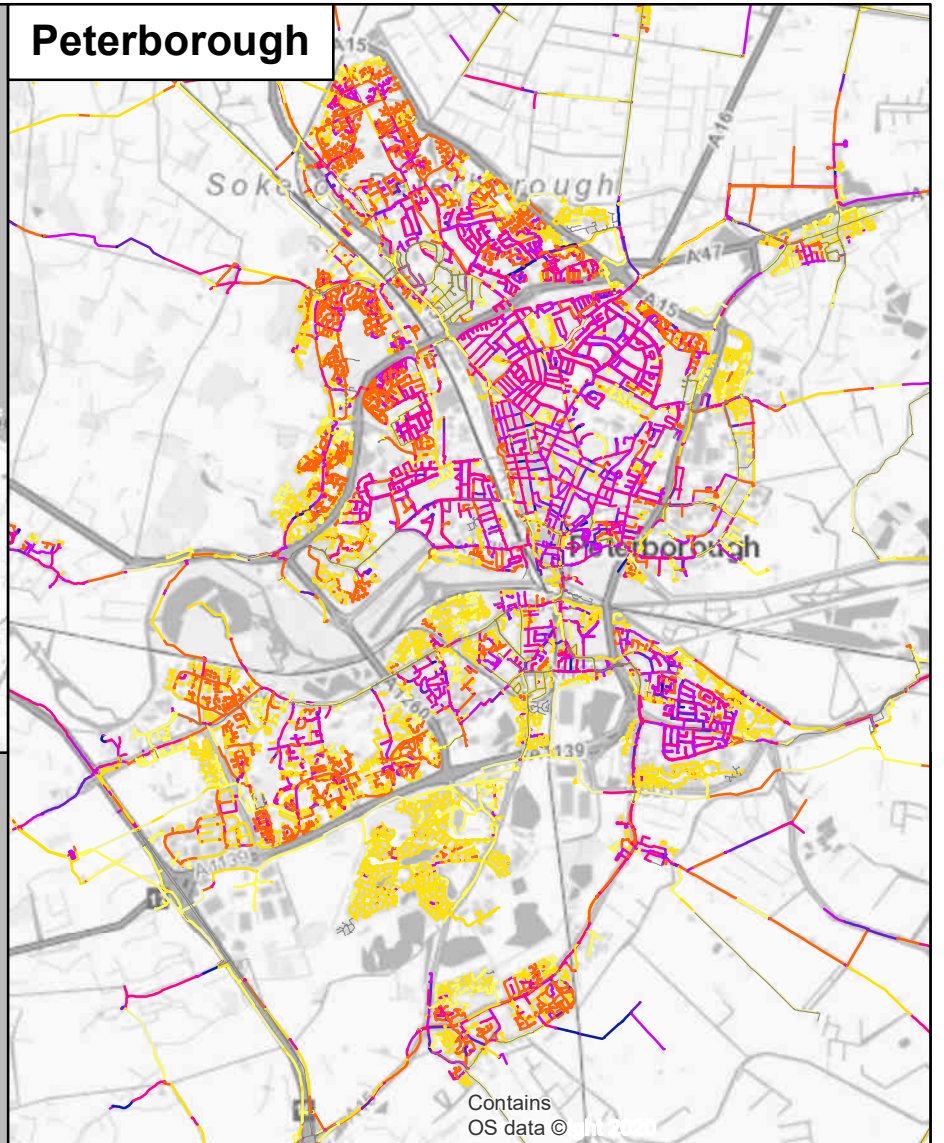
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Hartlepool



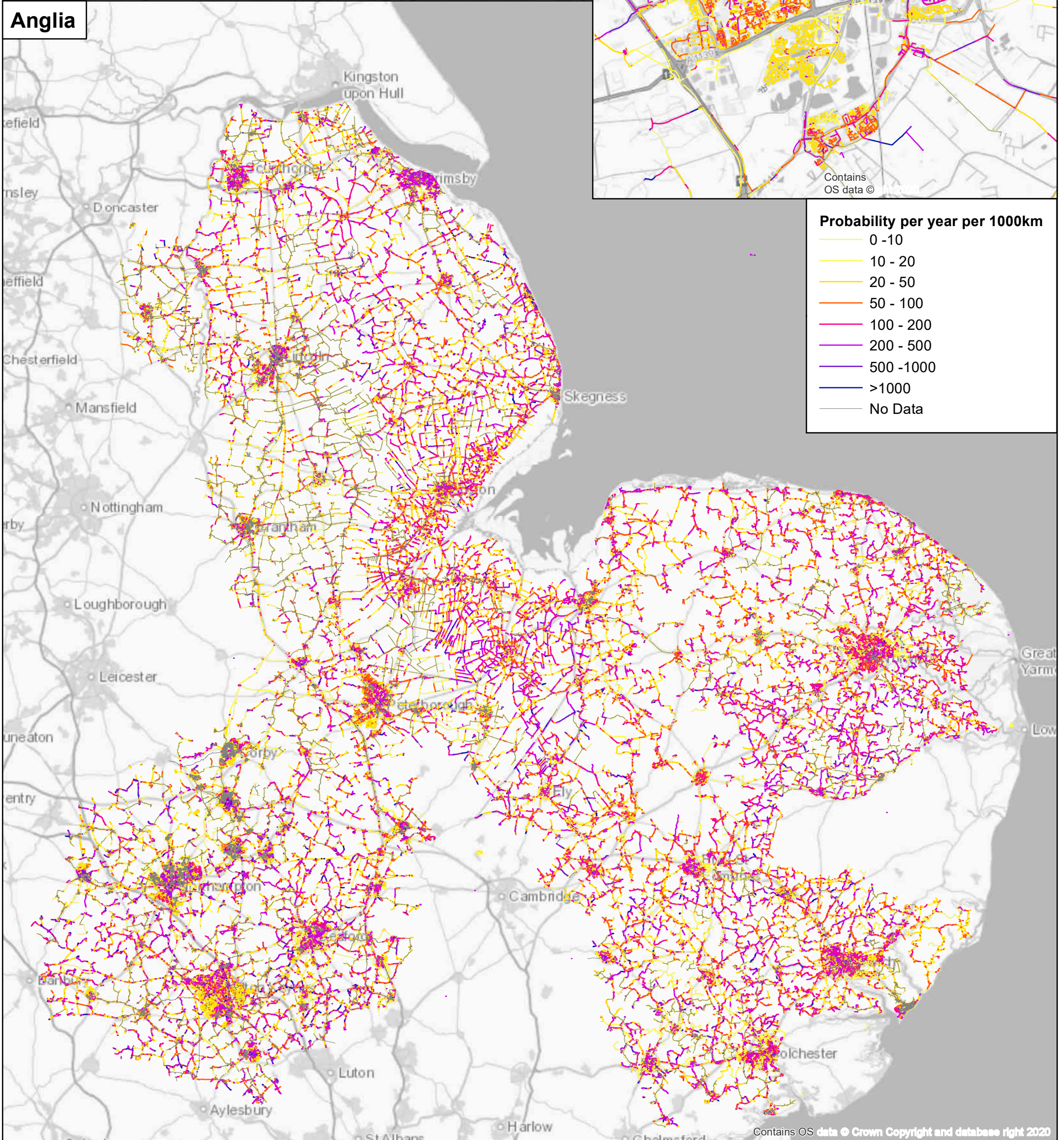
Contains OS data © Crown

Peterborough



Contains OS data ©

Anglia



Probability per year per 1000km

- 0 - 10
- 10 - 20
- 20 - 50
- 50 - 100
- 100 - 200
- 200 - 500
- 500 - 1000
- >1000
- No Data

Robyn Northall

Subject: FW: Provision of information

From: Gene Wilson

Sent: 16 June 2022 15:02

To: 'Claire Trolove' <[REDACTED]@anglianwater.co.uk>; Mark Froggatt <[REDACTED]@anglianwater.co.uk>

Cc: Steve Leader <[REDACTED]@anglianwater.co.uk>

Subject: RE: Provision of information

Dear Claire

I confirm that I have received two e-mails with attachments. Thank you for this information which we shall review in short order.

In accordance with our statement at the Hearing on the 8th June we are submitting a Non-Material Change request to the application this afternoon and will not be able to take into account the information in these documents before submission.

We hope that you will be willing to engage with us over the next couple of weeks to constructively address the issues of concern to Anglian and any additional matters that arise from the information provided. Perhaps you could suggest possible dates for a meeting during the week of 27 June?

Best regards

Gene

From: Claire Trolove <[REDACTED]@anglianwater.co.uk>

Sent: 16 June 2022 13:47

To: Gene Wilson <[REDACTED]@augean.co.uk>; Mark Froggatt <[REDACTED]@anglianwater.co.uk>

Cc: Steve Leader <[REDACTED]@anglianwater.co.uk>

Subject: RE: Provision of information

Hi Gene

I will resend the email with attachments straight after this email. If you have not received them in the next ten minutes please let me know.

Kind regards



anglianwater

Claire Trolove

Solicitor

Mobile: [REDACTED]

Anglian Water Services Limited

Lancaster House, Lancaster Way, Ermine Business Park, Huntingdon, Cambridgeshire, PE29 6XU

From: Gene Wilson <[REDACTED]@augean.co.uk>
Sent: 09 June 2022 08:39
To: Mark Froggatt <[REDACTED]@anglianwater.co.uk>
Cc: Steve Leader <[REDACTED]@anglianwater.co.uk>; Claire Trolove <[REDACTED]@anglianwater.co.uk>
Subject: Provision of information

EXTERNAL MAIL - Please be aware this mail is from an external sender - THINK BEFORE YOU CLICK

Dear Mark
Further to the hearing yesterday. I confirm that so far I have not received the information that you indicated had been sent on the evening of Wednesday 1st of June.

I have checked with our IT provider and understand that the maximum limit of total attachments for any one e-mail is 20Mb.

If you could resend the information should be most grateful.
Thank you for your help.
Best regards
Gene

Gene Wilson
Director of Environmental Planning

Augean
East Northants Resource Management Facility
Stamford Road
Kings Cliffe
PE8 6XX

Tel: 01780 444905
Mobile: [REDACTED]
Web: www.augean.co.uk



Please consider the environment before printing this email.

Robyn Northall

Subject: FW: Provision of information [WBDDUK-AC.FID103545882]

From: Claire Trolove <[REDACTED]@anglianwater.co.uk>

Sent: 16 June 2022 15:37

To: Gene Wilson <[REDACTED]@augean.co.uk>; Mark Froggatt <[REDACTED]@anglianwater.co.uk>

Cc: Steve Leader <[REDACTED]@anglianwater.co.uk>

Subject: RE: Provision of information

Dear Gene

Thank you for your confirmation of receipt.

Mark is on leave from tomorrow until 4 July. I will ask him for his availability that week for a meeting.

Kind regards



anglianwater

Claire Trolove

Solicitor

Mobile: [REDACTED]

Anglian Water Services Limited

Lancaster House, Lancaster Way, Ermine Business Park, Huntingdon, Cambridgeshire, PE29 6XU

From: Gene Wilson <[REDACTED]@augean.co.uk>

Sent: 16 June 2022 15:02

To: Claire Trolove <[REDACTED]@anglianwater.co.uk>; Mark Froggatt <[REDACTED]@anglianwater.co.uk>

Cc: Steve Leader <[REDACTED]@anglianwater.co.uk>

Subject: RE: Provision of information

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Gene Wilson
Director of Environmental Planning

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East Northants Resource Management Facility
Stamford Road
Kings Cliffe
PE8 6XX

Tel: 01780 444905
Mobile: [REDACTED]
Web: www.augean.co.uk



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From: Claire Trolove [REDACTED] <[\[REDACTED\]@anglianwater.co.uk](mailto:[REDACTED]@anglianwater.co.uk)>
Sent: 16 June 2022 13:47
To: Gene Wilson <[\[REDACTED\]@augean.co.uk](mailto:[REDACTED]@augean.co.uk)>; Mark Froggatt <[\[REDACTED\]@anglianwater.co.uk](mailto:[REDACTED]@anglianwater.co.uk)>
Cc: Steve Leader <[\[REDACTED\]@anglianwater.co.uk](mailto:[REDACTED]@anglianwater.co.uk)>
Subject: RE: Provision of information

Hi Gene

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Kind regards



anglianwater

Claire Trolove

Solicitor

Mobile: [REDACTED]

Anglian Water Services Limited

Lancaster House, Lancaster Way, Ermine Business Park, Huntingdon, Cambridgeshire, PE29 6XU

From: Gene Wilson <[REDACTED]@augean.co.uk>
Sent: 09 June 2022 08:39
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Cc: Steve Leader <[REDACTED]@anglianwater.co.uk>; Claire Trolove <[REDACTED]@anglianwater.co.uk>
Subject: Provision of information

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Thank you for your help.

Best regards

Gene

Gene Wilson

Director of Environmental Planning

Augean

East Northants Resource Management Facility

Stamford Road

Kings Cliffe

PE8 6XX

Tel: 01780 444905

Mobile: [REDACTED]

Web: www.augean.co.uk

Robyn Northall

Subject: FW: Response 1 of 2
Attachments: Pipeline isolation points.docx

From: Gene Wilson
Sent: 17 June 2022 09:27
To: 'Claire Trolove' [REDACTED] <[\[REDACTED\]@anglianwater.co.uk](mailto:[REDACTED]@anglianwater.co.uk)>
Cc: [REDACTED] <[\[REDACTED\]@anglianwater.co.uk](mailto:[REDACTED]@anglianwater.co.uk)>; [REDACTED] <[\[REDACTED\]@anglianwater.co.uk](mailto:[REDACTED]@anglianwater.co.uk)>
Subject: RE: Response 1 of 2

Dear Claire

We have reviewed the attached document sent by your e-mail yesterday. The title of the document refers to "Pipeline isolation point and failure data". We can find no failure data on the document. Could you confirm that the document is complete please or where the failure data is?

Thank you
Gene

From: Claire Trolove <cTrolove@anglianwater.co.uk>
Sent: 16 June 2022 13:48
To: Gene Wilson <GeneWilson@augean.co.uk>
Subject: FW: Response 1 of 2



anglianwater

Claire Trolove

Solicitor

Mobile: [REDACTED]

Anglian Water Services Limited

Lancaster House, Lancaster Way, Ermine Business Park, Huntingdon, Cambridgeshire, PE29 6XU

From: Claire Trolove
Sent: 16 June 2022 13:47
To: Gene Wilson <[\[REDACTED\]@augean.co.uk](mailto:[REDACTED]@augean.co.uk)>
Subject: FW: Response

Hi Gene

As mention in my previous email.

Kind regards



Claire Trolove

Solicitor

Mobile: [REDACTED]

Anglian Water Services Limited

Lancaster House, Lancaster Way, Ermine Business Park, Huntingdon, Cambridgeshire, PE29 6XU

From: Mark Froggatt <[REDACTED]@anglianwater.co.uk>

Sent: 01 June 2022 19:16

To: [REDACTED]@augean.co.uk

Cc: Steve Leader <[REDACTED]@anglianwater.co.uk>; Darl Sweetland <[REDACTED]@anglianwater.co.uk>; Claire Trolove <[REDACTED]@anglianwater.co.uk>; Meyric Lewis <[REDACTED]>

Subject: Response

Gene,

As per your request please find the attached responses to your questions.

For ease of reference, I have added in red text my comments and concerns.

We are still working on some remaining clarifications, but I believe that I have expressed my concerns and answered the points raised

Please refer to the attached documents.

Regards

Mark



Mark Froggatt

Chief Engineer AWS

Head of Solutions @one Alliance

Mobile – [REDACTED]

PA – Karen Charman (kcharman@anglianwater.co.uk)

Mobile – [REDACTED]

Anglian Water Services Limited

Lancaster House, Ermine Business Park, Huntingdon, Cambridgeshire, PE29 6XU

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--*-----*-----*-----*-----*-----*-----*-----*-----*-----*-----*-----*-----*-----*-----*-----*-----*-----*

Robyn Northall

Subject: FW: ENRMF - Anglian Water issues
Attachments: WS010005-000636-ExA ISH3 Action Points List.pdf

From: Gene Wilson
Sent: 17 June 2022 09:40
To: [REDACTED] [@anglianwater.co.uk](mailto:[REDACTED]@anglianwater.co.uk)
Cc: [REDACTED] [@anglianwater.co.uk](mailto:[REDACTED]@anglianwater.co.uk); [REDACTED] [@anglianwater.co.uk](mailto:[REDACTED]@anglianwater.co.uk)
Subject: ENRMF - Anglian Water issues

Dear Mark

As you will know, Augean submitted yesterday (16 June 2022) the proposed request for a Non-Material Amendment to our DCO application to address the recent concerns raised by Anglian Water. The Anglian Water information that you indicated had been sent to me on 1st of June, only was received yesterday afternoon after the application documents had been finalised and very shortly before the submissions were sent to PINS. In the absence of this information at the time of finalising the assessments supporting the request for the Non-Material Amendment, these documents and submissions have therefore been based on the information available in your witness statements and conservative assumptions.

As set out in the information emailed to you yesterday, the full Non-Material Amendment request documentation is available at <https://www.augeanconsultation.co.uk/> and will also be uploaded to the PINs website in due course. We suggest that the information which is most pertinent for your urgent review is the Supplementary Environmental Statement and the appended pipeline risk assessment and pipeline engineering report which is prepared by Pipetechnics Ltd. We shall review the information you provided yesterday to see if it affects any of the conclusions of the risk assessments and we propose to provide at least initial comments on this as part of the Deadline 6 submission on 22 June 2022 in response to the actions identified by the Examining Authority in the Hearing on 8 June and confirmed in the Action List circulated shortly thereafter (attached for reference). I draw to your attention the GIS information identified by the Examiner at item 6a (second) has yet to be received.

We should be grateful to receive any comments or queries you may have on the information in the non-material change application as soon as possible, in particular confirmation that Anglian accepts the proposed Requirement 19 of the DCO which introduces the flexibility to agree an appropriate standoff of up to 30m from each pipeline after the DCO is determined. As you are aware the Examiner was concerned regarding timescales and therefore, we request that you make your formal response to the Consultation by 8 July 2022 at the latest. We understand that you are taking leave but hopefully one of your colleagues will be able to review the information in your absence? We would very much welcome constructive dialogue on this matter at a much earlier date as requested in my email to Claire of 16 June and I look forward to suggested dates for this.

Please do not hesitate to contact me should you have any queries. I and my colleagues would be pleased to meet over the next couple of weeks to walk through the application if this would be of assistance to you.

Best regards
Gene

Application by Augean South Limited for an Order granting Development Consent for the East Northants Resource Management Facility Western Extension

Action Points following Issue Specific Hearing 3 (ISH3) on Anglian Water and other infrastructure matters, the swallow hole and general updates

Agenda item	Action by	Action	Timing
3a	Applicant and the Trust	Progress and submit SoCG. Append the Trust's swallow hole land survey if appropriate	D6
4a	Applicant and EA	Update on Environmental Permit applications	D6/ongoing
4b	Applicant	Progress and submit great crested newt LONI	D6
4c	Applicant/WPD/National Grid/Anglian Water	Progress Protective Provisions discussions. Submit revised dDCO and EM	D6
4d	Applicant/National Grid/NNC/NE/WPD/Butterfly Conservation/DIO	Finalise and submit SoCGs	D6
4d	Applicant/NNC	Submit signed S106 agreement	D6
5a	Applicant	Finalise and submit changes to dDCO for the limits of deviation for Work 3	D6
5b	Applicant/WPD/National Grid	Consider the implications of the proposed changes to the application for other infrastructure in the area, including the need to amend routing and stand-off distances	Prior to 17 June
6a	Applicant and Anglian Water	Constructive exchange of information and feedback on the Applicant's proposed changes to the application and supporting documents	Immediately, 17 June and ongoing
6a	Anglian Water	Provide the Applicant with 'as built' GIS and/or drawn information on the pipelines, including depths and pipe wall thickness. Consider the need to	As soon as possible

		redact any sensitive information submitted to the examination	
6f	Anglian Water	Prepare and submit a scheme and supporting information for its suggested diversion of the pipelines	D6
6i	Applicant	Consider whether the consultation period for the proposed changes could be reduced from 28 days	Prior to 17 June
6i	Applicant	Finalise and submit proposed changes to the application and supporting information. To include risk assessments, supplementary ES/LVIA and illustrative drawings and revised Restoration Concept Scheme, DEC, dDCO and EM.	17 June or earlier
6i	Applicant	Prepare and submit a statement to justify why the proposed changes should be considered as a non-material amendment	17 June
6i	Applicant	Undertake consultations with PA2008 s42 (selected) parties, s44 parties, s47 (targeted) parties, UK Health Security Agency and the Drinking Water Inspectorate	17 June
6i	ExA	Consider the need for a Procedural Decision/amendment to the examination timetable in the light of the Applicant's proposed changes	Following 17 June submission
6i	Applicant	Submit consultation report	20 July or earlier

Robyn Northall

Subject: FW: ENRMF - Anglian Water issues

From: Claire Trolove <[REDACTED]@anglianwater.co.uk>
Date: 20 June 2022 at 13:26:56 BST
To: Gene Wilson <[REDACTED]@augean.co.uk>, Mark Froggatt <[REDACTED]@anglianwater.co.uk>
Cc: Steve Leader <[REDACTED]@anglianwater.co.uk>
Subject: RE: ENRMF - Anglian Water issues

Dear Gene

Thank you for your email and attachments.

Mark is free for a meeting on Tuesday 5 July between 330pm and 6pm, if this suits you? Please let me know if you would prefer this to be in person or over Teams?

Kind regards



anglianwater

Claire Trolove

Solicitor

Mobile: [REDACTED]

Anglian Water Services Limited

Lancaster House, Lancaster Way, Ermine Business Park, Huntingdon, Cambridgeshire, PE29 6XU

From: Gene Wilson <[REDACTED]@augean.co.uk>
Sent: 17 June 2022 09:40
To: Mark Froggatt <[REDACTED]@anglianwater.co.uk>
Cc: Claire Trolove <[REDACTED]@anglianwater.co.uk>; Steve Leader <[REDACTED]@anglianwater.co.uk>
Subject: ENRMF - Anglian Water issues

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Dear Mark

As you will know, Augean submitted yesterday (16 June 2022) the proposed request for a Non-Material Amendment to our DCO application to address the recent concerns raised by Anglian Water. The Anglian Water information that you indicated had been sent to me on 1st of June, only was received yesterday afternoon after the application documents had been finalised and very shortly before the submissions were sent to PINS. In the absence of this information at the time of finalising the assessments supporting the request for the Non-Material Amendment, these documents and submissions have therefore been based on the information available in your witness statements and conservative assumptions. As set out in the information emailed to you yesterday, the full Non-Material Amendment request documentation is available at <https://www.augeanconsultation.co.uk/> and will also

be uploaded to the PINs website in due course. We suggest that the information which is most pertinent for your urgent review is the Supplementary Environmental Statement and the appended pipeline risk assessment and pipeline engineering report which is prepared by Pipetechnics Ltd. We shall review the information you provided yesterday to see if it affects any of the conclusions of the risk assessments and we propose to provide at least initial comments on this as part of the Deadline 6 submission on 22 June 2022 in response to the actions identified by the Examining Authority in the Hearing on 8 June and confirmed in the Action List circulated shortly thereafter (attached for reference). I draw to your attention the GIS information identified by the Examiner at item 6a (second) has yet to be received.

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Best regards

Gene

Gene Wilson
Director of Environmental Planning

Augean

East Northants Resource Management Facility
Stamford Road
Kings Cliffe
PE8 6XX

Tel: 01780 444905

Mobile: [REDACTED]

Web: www.augean.co.uk



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Robyn Northall

From: Mailbox Incoming
Subject: FW: DCO - Action Point - Provision of "as built" information
Attachments: Clipped_water_assests_Stamford.zip

From: Claire Trolove <[REDACTED]@anglianwater.co.uk>
Sent: 21 June 2022 12:52
To: Gene Wilson <[REDACTED]@augean.co.uk>
Subject: DCO - Action Point - Provision of "as built" information

Dear Gene

Pursuant to action point 6a as set out in ISH3, please find attached documents containing information on Anglian Water's main which cross your site.

Please note that this information is provided as shape files (and others) which can be used by third parties (such as yourselves) to load onto your GIS platform. My understanding is that they can also be opened through Google Earth/ESRI etc.

Please accept our apologies for these not being submitted on Friday.

Kind regards



Claire Trolove
Solicitor
Mobile: [REDACTED]

Anglian Water Services Limited
Lancaster House, Lancaster Way, Ermine Business Park, Huntingdon, Cambridgeshire, PE29 6XU

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_*-----*-----*-----*-----*-----*-----*-----*-----*-----*-----*-----*-----*-----*-----*-----*-----*-----*-----*

Robyn Northall

From: Mailbox Incoming
Subject: FW: ENRMF - Anglian Water issues

From: Gene Wilson
Sent: 21 June 2022 13:24
To: Claire Trolove <[REDACTED]@anglianwater.co.uk>; Mark Froggatt <[REDACTED]@anglianwater.co.uk>
Cc: Steve Leader <[REDACTED]@anglianwater.co.uk>
Subject: RE: ENRMF - Anglian Water issues

Dear Claire

Thank you for your e-mail. We should be grateful to hold an online meeting on 5 July 2022 at 16.00 until 18.00.

Our key objective is to agree the approach to the NMC and Requirement 19. I would hope that we would be able to address the following agenda items:

1. Any Anglian queries regarding the risk assessments submitted to the Examination on the 16th June.
2. Confirm to what extent the risk assessments are agreed
3. Confirm whether Anglian is able to accept the proposed Requirement 19 for the DCO
4. Anglian Water to update Augean on the timetable for responding to the NMC consultation.

If appropriate we should be pleased to discuss the details of the standoff within the NMC or schedule a meeting for a later date.

To assist Anglian with any queries that you may have, I propose that in addition to myself the following team members will attend:

- Leslie Heasman: Environmental Chemist and Project Manager
- Sandra Rolfe-Dickenson: Pipeline Engineer
- Dan Riding: Geotechnical Engineer

If you could confirm who will attend on behalf of Anglian Water I should be pleased to issue a Teams invite.

Kind regards
Gene

From: Claire Trolove <[REDACTED]@anglianwater.co.uk>
Sent: 20 June 2022 13:27
To: Gene Wilson <[REDACTED]@augean.co.uk>; Mark Froggatt <[REDACTED]@anglianwater.co.uk>
Cc: Steve Leader <[REDACTED]@anglianwater.co.uk>
Subject: RE: ENRMF - Anglian Water issues

Dear Gene

Thank you for your email and attachments.

Mark is free for a meeting on Tuesday 5 July between 330pm and 6pm, if this suits you? Please let me know if you would prefer this to be in person or over Teams?

Kind regards



anglianwater

Claire Trolove

Solicitor

Mobile: [REDACTED]

Anglian Water Services Limited

Lancaster House, Lancaster Way, Ermine Business Park, Huntingdon, Cambridgeshire, PE29 6XU

From: Gene Wilson <[REDACTED]@augean.co.uk>

Sent: 17 June 2022 09:40

To: Mark Froggatt <[REDACTED]@anglianwater.co.uk>

Cc: Claire Trolove <[REDACTED]@anglianwater.co.uk>; Steve Leader <[REDACTED]@anglianwater.co.uk>

Subject: ENRMF - Anglian Water issues

EXTERNAL MAIL - Please be aware this mail is from an external sender - **THINK BEFORE YOU CLICK**

Dear Mark

As you will know, Augean submitted yesterday (16 June 2022) the proposed request for a Non-Material Amendment to our DCO application to address the recent concerns raised by Anglian Water. The Anglian Water information that you indicated had been sent to me on 1st of June, only was received yesterday afternoon after the application documents had been finalised and very shortly before the submissions were sent to PINS. In the absence of this information at the time of finalising the assessments supporting the request for the Non-Material Amendment, these documents and submissions have therefore been based on the information available in your witness statements and conservative assumptions.

As set out in the information emailed to you yesterday, the full Non-Material Amendment request documentation is available at <https://www.augeanconsultation.co.uk/> and will also be uploaded to the PINs website in due course. We suggest that the information which is most pertinent for your urgent review is the Supplementary Environmental Statement and the appended pipeline risk assessment and pipeline engineering report which is prepared by Pipetechnics Ltd. We shall review the information you provided yesterday to see if it affects any of the conclusions of the risk assessments and we propose to provide at least initial comments on this as part of the Deadline 6 submission on 22 June 2022 in response to the actions identified by the Examining Authority in the Hearing on 8 June and confirmed in the Action List circulated shortly thereafter (attached for reference). I draw to your attention the GIS information identified by the Examiner at item 6a (second) has yet to be received.

We should be grateful to receive any comments or queries you may have on the information in the non-material change application as soon as possible, in particular confirmation that Anglian accepts the proposed Requirement 19 of the DCO which introduces the flexibility to agree an appropriate standoff of

your computer. Anglian Water Services Limited Registered Office: Lancaster House, Lancaster Way,
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