

[REDACTED]

From: [REDACTED]
Sent: 09 June 2014 16:22
To: [REDACTED]
Subject: RFI 6641 [REDACTED] - Tunnel Complex

Yes please [REDACTED]

Regards
[REDACTED]

From: [REDACTED]
Sent: 09 June 2014 15:12
To: [REDACTED]
Subject: RE: RFI 6641 [REDACTED] - Tunnel Complex

[REDACTED]

We are due the final documents June/July, I don't suppose they are ready yet but do you want me to chase [REDACTED] in case there is a chance we will get them this week?

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

Rhydymwyn
Nr Mold
Flintshire

[REDACTED]

[REDACTED]

[REDACTED]

From: [REDACTED]
Sent: 09 June 2014 14:43
To: [REDACTED]
Subject: RFI 6641 [REDACTED] - Tunnel Complex

[REDACTED]

This is the latest data that been released.

Do we anything else, reports etc. since this?

Regards
[REDACTED]

From: [REDACTED]
Sent: 11 October 2013 15:38
To: [REDACTED]
Subject: FW: FOI 5726 - Tunnel Complex, Rhydymwyn, Follow Up

From: [REDACTED]
Sent: 07 October 2013 08:53
To: [REDACTED]
Cc: Estates Correspondence (LCS-EST)
Subject: Re: FOI 5726 - Tunnel Complex, Rhydymwyn, Follow Up

Dear [REDACTED]

Please find attached all correspondence to date relating to the ongoing investigations into the present of Radon gas at the Rhydymwyn site and documents surrounding the meeting concerning the tunnels on 20th December 2012.

The Radon gas investigation is ongoing & full results will not be available until spring 2014, however interim results are available, attached and this led to the closure of the tunnel entrances. The Radon gas documents are very current & were not available when the response to Fol 5726 was sent.

Regards,

[REDACTED]

-----Original Message-----

From: [REDACTED]
Sent: 24 September 2013 10:59
To: [REDACTED]
Subject: RE: FOI 5726 - Tunnel Complex, Rhydymwyn

Dear Estates Correspondence (LCS-EST),
We received this message today

"Dear all,
During a recent Cavern Inspection, It was discovered through testing, that the cavern complex has high levels of Radon Gas throughout the system.
I have therefore been advised to close the entrance to the caverns and prevent any further access, until such time we have consulted with experts on this matter.
Please could you inform your members that entrance to the caverns "viewing area" will not be allowed with immediate effect.

Regards,"

I can find no reference to high radon levels in the documentation provided by this Freedom of Information Request and in the Wardell Armstrong Report dated 21 March 2013 at sections 2.33 to 2.35 it states there are no significant levels of radon encountered.
My questions are has full disclosure been given?
If there is further information why was it not disclosed?
Further to this there are many references to a meeting concerning the tunnels on 20th December 2012 but very little documentation provided, please could I be provided with all documentation?

Yours sincerely,

[REDACTED]

-----Original Message-----

[REDACTED]

From: [REDACTED]

Sent:

09 June 2014 15:36

To: [REDACTED]

Subject:

FW: DF60173 - W119288 - [REDACTED]

[REDACTED]
[REDACTED]
17 Nant Alyn Road
Rhydymwyn
Nr Mold
Flintshire
[REDACTED]
[REDACTED]
[REDACTED]

From: [REDACTED]

Sent: 04 December 2013 09:57

To: [REDACTED]

Cc: [REDACTED]

Subject: RE: DF60173 - W119288 - [REDACTED]

Thanks [REDACTED]

We'll finalise our document and get it issued.

Kind regards

[REDACTED]
[REDACTED]
Wardell Armstrong LLP

Sir Henry Doulton House
Forge Lane
Etruria
Stoke on Trent
Staffordshire
ST1 5BD

[REDACTED]
[REDACTED]
www.wardell-armstrong.com

From: [REDACTED]

Sent: 04 December 2013 09:20

To: [REDACTED]

Cc: [REDACTED]

Subject: FW: DF60173 - W119288 - [REDACTED]
[REDACTED]

Here you go.

[REDACTED]
[REDACTED]
[REDACTED]
17 Nant Alyn Road
Rhydymwyn
Nr Mold
Flintshire
[REDACTED]
[REDACTED]
[REDACTED]

From: [REDACTED]
Sent: 04 December 2013 08:49
To: [REDACTED]
Subject: DF60173 - W119288 - [REDACTED]

Hi,
Please find attached PO raised as per your request. Please forward and confirm with the supplier and arrange a date for works to go ahead.

Regards,
[REDACTED]
Buyer (Civil Government)
Interserve Support Services

Services, maintenance and building
Website: www.interserve.com
[REDACTED]
[REDACTED]

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This year we donated our Christmas card money to Crisis to help them raise £550,000. The money will be used to aid homeless men and women over the Christmas period and year round at Crisis.

Interservefin Ltd.
Registered in England, Number : 2820560.
Registered Office :Capital Tower, 91 Waterloo Road, London SE1 8RT.

Wardell Armstrong LLP. England OC307138, VAT No: GB108224347.
Wardell Armstrong International Limited. England 3813172, VAT No: GB108224347.
Registered Offices for above: Sir Henry Doulton House, Forge Lane, Etruria, Stoke-on-Trent, Staffordshire,

[REDACTED]
From:
Sent:
To:
Subject:

[REDACTED]
09 June 2014 15:35
[REDACTED]
FW:

[REDACTED]
[REDACTED]
Rhydymwyn
Nr Mold
Flintshire
[REDACTED]
[REDACTED]
[REDACTED]

From: [REDACTED]
Sent: 02 December 2013 15:17
To: [REDACTED]
Subject: RE:

Cheers [REDACTED] Sounds right up our street.

[REDACTED]
Wardell Armstrong LLP
Sir Henry Doulton House
Forge Lane
Etruria
Stoke on Trent
Staffordshire
ST1 5BD

[REDACTED]
[REDACTED]
www.wardell-armstrong.com

From: [REDACTED]
Sent: 02 December 2013 15:14
To: [REDACTED]
Subject: RE:

It's only small stuff but should help keep the wolves from the door.

[REDACTED]
[REDACTED]
17 Nant Alyn Road
Rhydymwyn
Nr Mold

Flintshire
CH7 5HQ

[REDACTED]
[REDACTED]

From: [REDACTED]
Sent: 02 December 2013 15:12
To: [REDACTED]
Subject: RE:

Thanks [REDACTED] sounds great. Look forward to hearing from you.

Kind regards

[REDACTED]
[REDACTED]
Wardell Armstrong LLP
Sir Henry Doulton House
Forge Lane
Etruria
Stoke on Trent
Staffordshire
ST1 5BD

[REDACTED]
[REDACTED]
www.wardell-armstrong.com

From: [REDACTED]
Sent: 02 December 2013 14:51
To: [REDACTED]
Subject: RE:

Thanks I did, I agree, I was going to wait till the new year with a view to complete in March/April. We are looking at doing some concrete spalling works to the roof's of a couple of small buildings that we've locked up for H&S. I'm sure this is something [REDACTED] might be able to do for us if you can recommend a procedure, but we've only just started talking about it and my boss is on leave for a week so I will get back to you soon.

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
Rhydymwyn
Nr Mold
Flintshire

From: [REDACTED]
Sent: 02 December 2013 14:06
To: [REDACTED]
Subject: RE:

Hi [REDACTED]

Thanks for the update and hope you had a good week off. I'll let [REDACTED] know about the PO.

I guess at some stage we need to think about preparing for next year's inspection. Is it prudent to have these costs available for next year's budget?

Kind regards

[REDACTED]
Wardell Armstrong LLP

Sir Henry Doulton House
Forge Lane
Etruria
Stoke on Trent
Staffordshire
ST1 5BD

[REDACTED]
Fax: 0845 111 8888

www.wardell-armstrong.com

From: [REDACTED]
Sent: 02 December 2013 13:54
To: [REDACTED]
Subject:

[REDACTED]

I was off last week and told [REDACTED] I expected his PO to be waiting in my inbox, It obviously isn't or you would have a copy, all I can do is apologise again, It has been approved by Defra so there shouldn't be a problem just waiting for an Interserve number.

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
Rhydymwyn
Nr Mold
Flintshire
[REDACTED]
[REDACTED]
[REDACTED]

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[REDACTED]
From: [REDACTED]
Sent: 09 June 2014 15:34
To: [REDACTED]
Subject: FW: MAFF Cavern Radon Monitoring Results
Attachments: [REDACTED]

Importance: High

[REDACTED]
[REDACTED]
[REDACTED]
Rhydymwyn
Nr Mold
Flintshire
[REDACTED]
[REDACTED]
[REDACTED]

From: [REDACTED]
Sent: 19 September 2013 13:38
To: [REDACTED]
Cc: [REDACTED]
Subject: FW: MAFF Cavern Radon Monitoring Results
Importance: High

Hello [REDACTED]

It was good to speak with you earlier, glad you are well.

You will see from [REDACTED] email that the Radon results from the recent monitoring are elevated and shall need to be considered for future works / entry. [REDACTED] email provides some details on the potential way forward and we would be happy to help you address it.

As discussed the monitoring shall continue to obtain results for a full yearly cycle. Nevertheless it would be prudent to take account of these results and, until a set of Local Rules are in place, it may be sensible to consider precluding access to the caverns.

Kind regards

[REDACTED]
[REDACTED]
Wardell Armstrong LLP

Sir Henry Doulton House
Forge Lane
Etruria
Stoke on Trent
Staffordshire
ST1 5BD
[REDACTED]

From: [REDACTED]
Sent: 19 September 2013 12:05
To: [REDACTED]
Cc: [REDACTED]
Subject: MAFF Cavern Radon Monitoring Results
Importance: High

Dear [REDACTED]

Further to [REDACTED] speaking to you a few minutes ago, the text that follows, summarises our current understanding of the radon situation at your site.

As you are aware on 21st February 2013 in conjunction with a Radiation Protection Advisor (RPA) from the Health Protection Agency, Wardell Armstrong undertook a day of "real time" monitoring of radon concentrations in the MAFF Caverns, using a Saphymo Alphaguard monitor. During the visit radon concentrations were measured at 8 locations within the caverns and these monitored locations are identified by the red crosses on the plan that forms the second attachment above.

The Alphaguard monitoring identified radon concentrations ranging between 4 Bqm⁻³ and 33 Bqm⁻³ and the average measured radon concentration was taken to be some 16 Bqm⁻³.

As these "winter time" readings were significantly below the 400 Bqm⁻³ action value, stipulated by the Ionising Radiation Regulations 1999 (IRR99), it was considered in conjunction the RPA that no formal action was required. However, this decision would be subject to review, as we were aware that "summer time" values in underground workings have a tendency to be significantly higher. To establish if this was the case, 4 passive radon monitors were installed that day (21/02/2013) to register the ongoing radon concentrations being developed in the caverns. The locations where the passive monitors were installed are identified by the dark blue crosses on the plan that forms the second attachment above.

The 4 passive monitors were subsequently taken out of the caverns by [REDACTED] on 23rd August 2013 and a copy of the report giving their results forms the first attachment above. The recorded radon concentrations measured represent the average radon concentrations detected at each of the four locations during the 6 month period 21/02/2013 to 23/08/2013.

It can be seen that the passive monitors' results are significantly higher than the real time monitoring values obtained in February, as the four measured radon concentrations during the period ranged from 310 Bqm⁻³ to 1800 Bqm⁻³ and had an average value of some 909 Bqm⁻³, a value that exceeds the 400 Bqm⁻³ action value, that is discussed above. Consequentially in line with the requirements of the IRR99 there is now a requirement for Interserve, as the owners of the caverns, to undertake measures that include the following:

- Assess the risk posed by the radon to individuals entering the caverns;
- The appointment of a Radiation Protection Advisor (RPA);
- The appointment of a Radiation Protection Supervisor (RPS);
- Designation of Supervised /Controlled Areas dependent on potential radon dose;
- Undertake appropriate radon monitoring;
- Preparation of Local Rules to minimise exposure to radon;
- Designation of Classified Persons (if appropriate).

Trusting that the above is clear. Please be in touch if you require clarification of any points.

Regards

[REDACTED]
[REDACTED]
[REDACTED]
Wardell Armstrong LLP

2 The Avenue
Leigh
Greater Manchester
WN7 1ES

[REDACTED]
[REDACTED]
www.wardell-armstrong.com

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Interservefm Ltd.

Registered in England, Number : 2820560.

Registered Office :Capital Tower, 91 Waterloo Road, London SE1 8RT.

Report of Radon Measurements

Customer Wardell Armstrong LLP

Measurement site Interserve
17 Nant Alyn Road, Rhydymwyn
Nr Mold, Flintshire
CH7 5HQ

PHE Ref 1475066

| Detno | Position | Date placed | Date removed | Radon gas concentration, Bq m ⁻³ | |
|----------|------------|-------------|--------------|---|------------------|
| | | | | Measured | Winter corrected |
| 08244018 | Position 1 | 21/02/2013 | 23/08/2013 | 1800 | 2800 |
| 08244032 | Position 2 | 21/02/2013 | 23/08/2013 | 800 | 1200 |
| 08244025 | Position 3 | 21/02/2013 | 23/08/2013 | 720 | 1100 |
| 08244027 | Position 4 | 21/02/2013 | 23/08/2013 | 310 | 480 |



Public Health
England

Radon Group
CRCE,
Chilton, Didcot
Oxon OX11 0RQ

T +44 (0)1235 822622
F +44 (0)1235 833891
radon@phe.gov.uk
www.ukradon.org

[REDACTED]



Our Ref 9023/OCCRES_UH

16 September 2013

Dear [REDACTED]

Report of Radon Measurements

Please find enclosed the Report of Radon Measurements which gives the results of the radon gas measurements taken with passive monitors.

The Ionising Radiations Regulations 1999 are normally applied when the average radon gas concentration in any area, when measured with a passive exceeds 400 Bq m^{-3} (becquerels per cubic metre of air). For underground mines and tunnels without continuous ventilation the summer reading is likely to represent the highest concentration of radon gas.

The results show that the radon levels are in excess of the Ionising Radiations Regulations 1999 threshold of 400 Bq m^{-3} . This means that the Regulations apply and that action is required to control the exposure of employees to radon gas.

You need to inform the local Health and Safety Inspector of these results. Further advice should also be available from the council on radon remedial work.

TL Excavations Ltd asked for a copy of these results when they returned their monitors; as we have no contract with them we have not complied with this request.

If you have any queries, please contact me on the number below.

Yours sincerely

[REDACTED]

P.P.

[REDACTED]
Radon Studies Group

Enclosures

[REDACTED]



Report of Radon Measurement

For:

[REDACTED]

Subject:

Measurement of radon-222 concentrations

Measurement Site:

Interserve
17 Nant Alyn Road, Rhydymwyn
Nr Mold, Flintshire
CH7 5HQ

Date of report:

16 September 2013

The concentrations of radon-222 at the locations given on the attached sheets were measured with PHE radon gas passive monitors. The cumulative exposures recorded by the monitors were converted to concentrations averaged over the exposure time. Background corrections and calibration factors were obtained from control monitors kept at PHE.

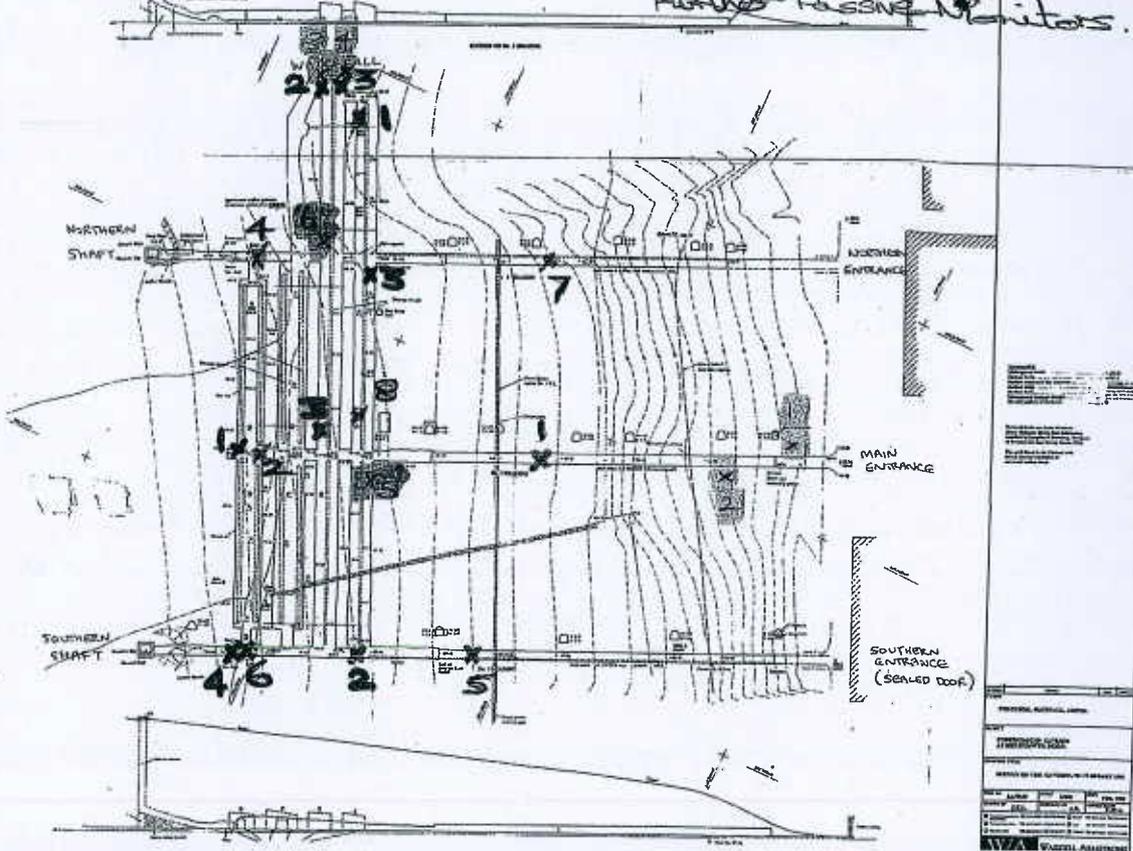
The table shows the average radon gas concentration at each location in units of becquerels per cubic metre of air (Bq m^{-3}). The random uncertainties in the measurement are estimated to be 15%.

[REDACTED]

MAFF TUNNELS - NL 00910

21st February 2013 - March 2013.

- X Red Crosses = Real Time AlphaGuard Monitoring Locations 08/21/02/2013
- X Blue Crosses = Passive Monitor Locations
- X Green Crosses = static AlphaGuard Locations for 3 weeks
-  Pink Crosses = Proposed Locations for 4 Personal Monitoring Badges
-  Blue Crosses = Proposed Locations for 2 further Passive Monitors.



Red

- 1 ✓
- 2 ✓
- 3 ✓
- 4 ✓
- 5 ✓
- 6 ✓
- 7 ✓

③ Wasn't it 83/84?

Blue

- 1
- 2
- 3
- 4

Green

- 1
- 2
- ③

M.H.

25/2/2013

26

[REDACTED]

From:

Sent:

[REDACTED]
09 June 2014 15:33

To:

Subject:

[REDACTED]
FW: Radon monitors

[REDACTED]
[REDACTED]
[REDACTED]
Rhydymwyn
Nr Mold
Flintshire
[REDACTED]
[REDACTED]
[REDACTED]

From:

[REDACTED]
Sent: 14 August 2013 11:22

To:

[REDACTED]
Subject: Re: Radon monitors

Thanks [REDACTED] see you when I get back.

Kind regards
[REDACTED]
[REDACTED]
[REDACTED]

Sent Via Blackberry

www.wardell-armstrong.com

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Wardell Armstrong International Limited. England 3813172, VAT No: GB108224347.

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From:

[REDACTED]
Sent: Wednesday, August 14, 2013 09:54 AM

To:

[REDACTED]
Cc:

[REDACTED]
Subject: RE: Radon monitors

Ok thanks [REDACTED], have a nice holiday.
[REDACTED]
[REDACTED]
[REDACTED]

Rhydymwyn
Nr Mold
Flintshire
[REDACTED]
[REDACTED]

[REDACTED]

From: [REDACTED]
Sent: 14 August 2013 09:52
To: [REDACTED]
Cc: [REDACTED]
Subject: Re: Radon monitors

Hi [REDACTED]

We've provided the sheets to [REDACTED] and hopefully he will be with you this week. I've asked him to be in touch direct. I'm on leave for a couple of weeks but [REDACTED] shall be about if you need this moved on in my absence.

Kind regards

[REDACTED]
[REDACTED]

Sent Via Blackberry
www.wardell-armstrong.com

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From: [REDACTED]
Sent: Wednesday, August 14, 2013 09:21 AM
To: [REDACTED]
Subject: Radon monitors

Hi [REDACTED]

Any news on these?

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
Rhydymwyn
Nr Mold
Flintshire
[REDACTED]
[REDACTED]
[REDACTED]

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[REDACTED]
From:

Sent:

[REDACTED]
09 June 2014 15:31

To:

Subject:

[REDACTED]
FW: WA's Appointment

[REDACTED]
[REDACTED]
17 Nant Alyn Road
Rhydymwyn
Nr Mold
Flintshire
[REDACTED]
[REDACTED]

From:

[REDACTED]
Sent: 20 November 2013 10:38

To:

[REDACTED]
Subject: RE: WA's Appointment

Many thanks [REDACTED]

[REDACTED]
[REDACTED]
Wardell Armstrong LLP

2 The Avenue

Leigh

Greater Manchester

WN7 1ES

[REDACTED]
www.wardell-armstrong.com

From:

[REDACTED]
Sent: 20 November 2013 10:18

To:

Cc:

[REDACTED]
Subject: RE: WA's Appointment

[REDACTED]
I think the your appointment will come in the way of a purchase order which is still in the system for approval.

It's been approved by Defra, just need my lot to pull their finger out.

[REDACTED]
[REDACTED]
[REDACTED]
Rhydymwyn
Nr Mold
Flintshire
[REDACTED]
[REDACTED]

From: [REDACTED]
Sent: 20 November 2013 10:08
To: [REDACTED]
Cc: [REDACTED]
Subject: WA's Appointment

Dear [REDACTED]

I have spoken to [REDACTED] about our Radon Risk Assessment work, and given the time we have been working for you he is comfortable about my not issuing a new memorandum of agreement. However as of yet we have not received an approval of our revised proposal dated 29/10/2013, which was issued to address points raised by Interserve and DEFRA personnel at our site meeting of 22/10/2013.

I would be grateful if Interserve would confirm our appointment to the task in writing, or issue an instruction by email.

Many thanks

[REDACTED]
[REDACTED]
Wardell Armstrong LLP

2 The Avenue
Leigh
Greater Manchester
WN7 1ES

[REDACTED]
www.wardell-armstrong.com

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[REDACTED]

From: [REDACTED]
Sent: 09 June 2014 15:29
To: [REDACTED]
Subject: RE: RFI 6641 [REDACTED] - Tunnel Complex

Ok, I will forward them all to you under separate covers.
I have just spoken to [REDACTED] our mining engineer, he has sent the last lot of passive monitoring results to [REDACTED] collected and replaced 27-03-14), he is due on Friday to collect the very last set of passives, they will be sent off but the results will not be known until about 4 weeks at which time the final report will be published, as [REDACTED] intimates in the mail to follow.

[REDACTED]

[REDACTED]

[REDACTED] ad
Rhydymwyn
Nr Mold
Flintshire

[REDACTED]

[REDACTED]

[REDACTED]

From: [REDACTED]
Sent: 09 June 2014 15:17
To: [REDACTED]
Subject: RFI 6641 [REDACTED] - Tunnel Complex

[REDACTED]

Can I have all this please.

Regards

[REDACTED]

From: [REDACTED]
Sent: 09 June 2014 15:06
To: [REDACTED]
Subject: RE: RFI 6641 [REDACTED] - Tunnel Complex

[REDACTED]

No. Still looking, but at present I only have e-mails to and from [REDACTED] confirming radon purchase order, asking for inspection quote and when the next lot of passives are due. And one from [REDACTED] requesting a visit with the HPA. I will forward you that next as I think it is possible the only relevant one.

[REDACTED]

[REDACTED]

17 Nant Alyn Road

Rhydymwyn
Nr Mold
Flintshire

[REDACTED]
[REDACTED]
[REDACTED]

From: [REDACTED]
Sent: 09 June 2014 14:43
To: [REDACTED]
Subject: RFI 6641 [REDACTED] Tunnel Complex

[REDACTED]
This is the latest data that been released.

Do we anything else, reports etc. since this?

Regards

[REDACTED]

From: [REDACTED]
Sent: 11 October 2013 15:38
To: [REDACTED]
Subject: FW: FOI 5726 - Tunnel Complex, Rhydymwyn, Follow Up

From: [REDACTED]
Sent: 07 October 2013 08:53
To: [REDACTED]
Cc: [REDACTED]
Subject: Re: FOI 5726 - Tunnel Complex, Rhydymwyn, Follow Up

Dear [REDACTED]

Please find attached all correspondence to date relating to the ongoing investigations into the present of Radon gas at the Rhydymwyn site and documents surrounding the meeting concerning the tunnels on 20th December 2012.

The Radon gas investigation is ongoing & full results will not be available until spring 2014, however interim results are available, attached and this led to the closure of the tunnel entrances. The Radon gas documents are very current & were not available when the response to Fol 5726 was sent.

Regards,

Estates.correspondence@defra.gsi.gov.uk

-----Original Message-----

From: Colin Barber [mailto:request-173889-019370e7@whatdotheyknow.com]
Sent: 24 September 2013 10:59
To: Estates Correspondence (LCS-EST)
Subject: RE: FOI 5726 - Tunnel Complex, Rhydymwyn

[REDACTED]

From: [REDACTED]

Sent: 09 June 2014 15:27

To: [REDACTED]

Subject: RE: RFI6641 Freedom of Information request - Tunnel Complex at the Former Valley Works at Rhydymwyn

[REDACTED]

The only documents I would have on this are exchanges of Email between [REDACTED] and myself,

Regards

[REDACTED]

From: [REDACTED]

Sent: 09 June 2014 14:09

To: [REDACTED]

Subject: RFI6641 Freedom of Information request - Tunnel Complex at the Former Valley Works at Rhydymwyn

[REDACTED]

Please see the attached Fol request.

Grateful if you can provide all the requested information by cop this week please.

Regards

[REDACTED]

[REDACTED]

[REDACTED]

Defra Estates
Foss House, Kings Pool
1-2 Peasholme Green
YORK. YO1 7PX,

From: [REDACTED]

Sent: 09 June 2014 14:04

To: [REDACTED]

Subject: RFI6641 Freedom of Information request - Tunnel Complex at the Former Valley Works at Rhydymwyn

[REDACTED]

[REDACTED] second FOI request which was received today.

RFI6641, deadline date 07/07/2014

I'll send the usual acknowledgement out.

Thanks,
[REDACTED]
[REDACTED]
[REDACTED]

-----Original Message-----

From [REDACTED]

Sent: 09 June 2014 09:17

To: Helpline, Defra (CCU)

Subject: 525/14 Freedom of Information request - Tunnel Complex at the Former Valley Works at Rhydymwyn

Dear Department for Environment, Food and Rural Affairs,

I am writing to make an open government request for all the information to which I am entitled under the Freedom of Information Act. In order to assist you with this request, I am outlining my query as specifically as possible. If however this request is too wide or too unclear, I would be grateful if you could contact me as I understand that under the act, you are required to advise and assist requesters.

I wish to make a Freedom of Information request for all documentation held by DEFRA concerning any inspection, surveys, reports or other documentation concerning the period August 2013 to the present concerning the tunnels at Rhydymwyn. This should include any letters, emails or notes of telephone conversations

I understand that under the act, I should be entitled to a response within 20 working days. I would be grateful if you could confirm in writing that you have received this request. I look forward to hearing from you in the near future.

Yours faithfully,
[REDACTED]

Please use this email address for all replies to this request:
request-215700-226643a5@whatdotheyknow.com

Is helpline@defra.gsi.gov.uk the wrong address for Freedom of Information requests to Department for Environment, Food and Rural Affairs? If so, please contact us using this form:
https://www.whatdotheyknow.com/change_request/new?body=defra

Disclaimer: This message and any reply that you make will be published on the internet. Our privacy and copyright policies:
<https://www.whatdotheyknow.com/help/officers>

If you find this service useful as an FOI officer, please ask your web manager to link to us from your organisation's FOI page.

[REDACTED]

From: [REDACTED]
Sent: 09 June 2014 15:09
To: [REDACTED]
Subject: FW: Visit to and monitoring of the DEFRA Caverns by PHE

[REDACTED]

From: [REDACTED]
Sent: 06 February 2014 15:43
To: [REDACTED]
Cc: [REDACTED]
Subject: Visit to and monitoring of the DEFRA Caverns by PHE

Dear [REDACTED]
Last week we discussed your intention to arrange a visit to the DEFRA Caverns in the near future and the associated installation of a couple of PHE's Alphaguard monitors to actively monitor the cavern's radon concentrations for a period of 2-3 weeks.

In view of the fact that your [REDACTED] undertook a similar span of monitoring in February 2013, I think that it would be better to delay your proposed visit and any such additional monitoring until June or July 2014, when we know that we will be regime will be different and radon concentrations will have increased significantly.

As agreed, I am copying [REDACTED] in on this email.
Trusting that this is to your satisfaction.
Regards

[REDACTED]

[REDACTED]

Wardell Armstrong LLP
2 The Avenue
Leigh
Greater Manchester
WN7 1ES

[REDACTED]

www.wardell-armstrong.com

[REDACTED]
From:
Sent:
To:
Subject:

[REDACTED]
21 May 2014 09:56
[REDACTED]
RE: Annual cavern survey

[REDACTED]
I have amended the BCP to reflect your comments, you have approved before amendment.

[REDACTED]
[REDACTED]
17 Nant Alyn Road
Rhydymwyn
Nr Mold
Flintshire
CH7 5HQ
[REDACTED]
[REDACTED]

From: [REDACTED]
Sent: 21 May 2014 09:27
To: [REDACTED]
Subject: RE: Annual cavern survey

Approved, my comments from the last email still stand

Regards
[REDACTED]

From: [REDACTED]
Sent: 19 May 2014 09:50
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: Annual cavern survey

Sorry, Now with correct attachments.

[REDACTED]
[REDACTED]
17 Nant Alyn Road
Rhydymwyn
Nr Mold
Flintshire
CH7 5HQ
[REDACTED]
[REDACTED]

From: [REDACTED]
Sent: 19 May 2014 09:41
To: [REDACTED]
Subject: FW: Annual cavern survey

[REDACTED] The attached quote is from 2012 and includes remedial actions which surely have been done.
Can you ask for a renewed quote to ensure costs and requirements are accurate.

Regards

[REDACTED]
[REDACTED]
Civil Government
Interserve Support Services

Services, maintenance and building
Website: www.interserve.com

From: [REDACTED]
Sent: 16 May 2014 10:04
To: [REDACTED]
Subject: Annual cavern survey

[REDACTED]
Please approve both,

Thanks,

[REDACTED]
[REDACTED]
[REDACTED]
17 Nant Alyn Road
Rhydymwyn
Nr Mold
Flintshire
CH7 5HQ
[REDACTED]
[REDACTED]

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Interservefm Ltd.
Registered in England, Number : 2820560.
Registered Office :Capital Tower, 91 Waterloo Road, London SE1 8RT.

Department for Environment, Food and Rural Affairs (Defra)

[REDACTED]

From: [REDACTED]
Sent: 14 April 2014 13:53
To: [REDACTED]
Subject: RE: Road mirror

I think it will be as permanent as the natives want it too, It will have to be sited quite low on a road that is used quite frequently by pedestrians, vandalism might be an issue. She is aware liability and costs are hers.

[REDACTED]

[REDACTED]

[REDACTED]

17 Nant Alyn Road
Rhydymwyn
Nr Mold
Flintshire
CH7 5HQ

[REDACTED]

[REDACTED]

From: [REDACTED]
Sent: 14 April 2014 10:40
To: [REDACTED]
Subject: RE: Road mirror

[REDACTED]

How permanent an installation? She would remain liable for it and any costs?

Regards

[REDACTED]

From: [REDACTED]
Sent: 14 April 2014 10:25
To: [REDACTED]
Subject: Road mirror

[REDACTED]

There was an R.T.A. on Nant Alyn Rd last week just opposite our garden gate. The lady across the road was wondering if she could erect a mirror opposite her drive that would give them sight of anything coming up the street. I have given my initial approval but just checking with you, it will have to be situated, although I don't know how, yet on Defra land. Please let me know your thoughts.

[REDACTED]

[REDACTED]

[REDACTED]

17 Nant Alyn Road

[REDACTED]

From: [REDACTED]
Sent: 14 April 2014 08:18
To: [REDACTED]
Subject: RE: Updates please

[REDACTED]

Gas monitoring - We are in the final rounds of monitoring as we speak, monitors are due to be removed May? We should then have a year's supply of records and the final risk assessment.

Magazine - Trees have been removed off the roof and surrounding area, hard to tell if there is any more damage to the roof as it is "shot" anyhow. I have left the area cordoned off as directed to deter visitors.

[REDACTED]

[REDACTED]

[REDACTED]

17 Nant Alyn Road
Rhydymwyn
Nr Mold
Flintshire
CH7 5HQ

[REDACTED]

[REDACTED]

From: [REDACTED]
Sent: 11 April 2014 15:29
To: [REDACTED]
Subject: Updates please

[REDACTED]

Gas monitoring, how has this gone, is it into the future or proving we don't have to higher levels for a period

Magazines, have the trees been removed and is there any damage to the roof? Could they be made safe?

Regards

[REDACTED]

Department for Environment, Food and Rural Affairs (Defra)

This email and any attachments is intended for the named recipient only. If you have received it in error you have no authority to use, disclose, store or copy any of its contents and you should destroy it and inform the sender.

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Communications on Defra's computer systems may be monitored and/or recorded to secure the effective operation of the system and for other lawful purposes.

[REDACTED]
From:

Sent:

[REDACTED]
11 April 2014 15:07

To:

Subject:

[REDACTED]
RE: T.L.'s cavern inspection BCP

[REDACTED]
Any news off [REDACTED]

[REDACTED]
[REDACTED]
17 Nant Alyn Road
Rhydymwyn
Nr Mold
Flintshire
CH7 5HQ
[REDACTED]
[REDACTED]

From:

Sent: 04 April 2014 16:07

To:

Subject: RE: T.L.'s cavern inspection BCP

[REDACTED]
Its with [REDACTED] for Comment

Regards

From:

Sent: 04 April 2014 15:52

To:

Subject: T.L.'s cavern inspection BCP

[REDACTED]
Please approve T.L.'s cavern inspection BCP.
Please note quote and costings attached to Wardells mail.

Thanks,

[REDACTED]
[REDACTED]
17 Nant Alyn Road
Rhydymwyn
Nr Mold

[REDACTED]

From: [REDACTED]
Sent: 07 April 2014 08:38
To: [REDACTED]
Subject: RE: T.L.'s cavern inspection BCP

[REDACTED]

Each of the last three year inspections have been different with different elements of recommended works, so the costs are different. For example this year's survey includes convergence bolt measuring which is undertaken every five years, with an extra day, and more of a report, so the total for this year's survey alone is approx 13k. You can guarantee last year's survey alone was a lot less than that. I think I have destroyed previous years quotes but could scour my files and check if you really wanted?

[REDACTED]

17 Nant Alyn Road
Rhydymwyn
Nr Mold
Flintshire
CH7 5HQ

[REDACTED]

From: [REDACTED]
Sent: 04 April 2014 16:57
To: [REDACTED]
Subject: RE: T.L.'s cavern inspection BCP

[REDACTED]

How much were the inspections for the last 3 years?

Regards

[REDACTED]

From: [REDACTED]
Sent: 04 April 2014 15:52
To: [REDACTED]
Subject: T.L.'s cavern inspection BCP

Gents,

Please approve T.L.'s cavern inspection BCP.
Please note quote and costings attached to Wardells mail.

Thanks,

[REDACTED]

[REDACTED]

[REDACTED]

From: [REDACTED]
Sent: 07 April 2014 13:27
To: [REDACTED]
Subject: FW: MAFF Caverns, Rhydymwyn: Inspection and Remediation Works
Attachments: 20120105144909183.pdf

And this.

[REDACTED]
[REDACTED]
17 Nant Alyn Road
Rhydymwyn
Nr Mold
Flintshire
CH7 5HQ
[REDACTED]
[REDACTED]

From: [REDACTED]
Sent: 05 January 2012 16:15
To: [REDACTED]
Cc: [REDACTED]
Subject: MAFF Caverns, Rhydymwyn: Inspection and Remediation Works

[REDACTED]

Happy New Year; hope you are well.

Further to our telephone discussions before Christmas, please find attached our costed proposal to carry out the next phase of works in the Caverns.

The proposal includes costs for the inspection and for the minor additional remedial works which were recommended in our last report.

Trust that the attached is acceptable but please do not hesitate to be in touch if you would like to discuss it further.

Kind regards

[REDACTED]
[REDACTED]
Wardell Armstrong LLP
Sir Henry Doulton House
Forge Lane
Etruria
Stoke on Trent
Staffordshire
ST1 5BD

[REDACTED]

www.wardell-armstrong.com

Our ref: DCW/PAG/SL/NL00910/J66
Your ref:

Date: 5 January 2012

[REDACTED]
Carillion Services
17 Nant Alyn Road
Rhydymwyn
Nr Mold
Flintshire
CH7 5HQ

Dear [REDACTED]

MAFF Buffer Depot, Rhydymwyn, Mold

Further to our recent discussions, please find below our fee proposal for the following:

- 2012 inspection of the underground caverns;
- additional remedial works in accordance with the recommendations made in our report entitled "Report on Stability Inspection and Remedial Works" dated November 2011.

UNDERGROUND INSPECTION 2012

Scope of Work

It is proposed to undertake the following work:

- visual inspection of the caverns, ventilation shafts and ventilation shaft cross cut tunnels;
- sounding inspection of discrete areas identified during the visual inspection and during previous work from a mobile access platform;
- inspection of the concrete lined ingress/egress tunnels;
- clear the floor of fallen debris.

The inspection will be carried out in accordance with the method specified in our 'Report on Cavern Inspection and Repair Works' dated May 1997. Appropriate health and safety measures will be implemented, including provision of gas monitoring equipment and personal self rescuers in accordance with our Code of Practice issued with our letter of 9 April 1999; preparation of a Designers Risk Assessment and reviewing the Contractor's Method Statement and Risk Assessments.





As such the proposed inspection will be undertaken by two engineers on a single day who will be assisted by TL Excavations Ltd. TL Excavations Ltd will be on site for 3 days to complete the roof and tunnel sounding inspection works.

Costs

The estimated costs to undertake the work are as follows (all costs include disbursements and expenses but exclude VAT):

Wardell Armstrong

Provide a two person team for inspection including arranging, supervising of contractors, managing, and reporting.

£2,850.00

T L Excavations Ltd

Supervisor, underground technician and surface safety co-ordinator to undertake sounding inspection, clear debris and assist with inspection. An inspection of the concrete roof at the main entrance portal will be carried out. The cost includes for the hire of a mobile access platform, gas monitor and self rescuers, subsistence, travel and provision of basic equipment.

£4,945.00

REMEDIAL WORKS

White Washing of Cavern D Wall

The rock wall, formerly behind the now removed wall in Cavern D should be white washed/spray painted to easily identify any future spalling. The works could be carried out by TL Excavations Ltd following the annual inspection and is anticipated to take a day to complete.

The costs to undertake this work is as follows:

Wardell Armstrong

To arrange, supervise and inspect the work.

£200.00

T L Excavations Ltd

To carry out the above works as an additional day to the annual inspection. To comprise a 3 man team and to provide all materials.

£1,785.00

Remedial Works to Drainage System

Our report identified that the water collection system in the roof at the north of Cavern B is not operating effectively and needs to be remediated. This work could be carried out by T L Excavations Ltd and is anticipated to take 1 day to complete.

The costs to undertake this work are as follows:

T L Excavations Ltd

To remediate the drainage system.

£50.00



Replacement of 2 new metal grilles

It is recommended in our report, for safety reasons, that 2 grilles are placed on the parallel beams in the northern shaft cross cut tunnel to complete the walk-way.

T L Excavations Ltd

For the provision 2 No. metal grilles and installation.

£140.00

Vegetation Clearance to Secondary Egress

Our report recommends, for safety reasons, that the vegetation, leaf litter and other extraneous plant material be removed from the path leading from the secondary egress.

Wardell Armstrong

To arrange, supervise and inspect the work.

£200.00

T L Excavations Ltd

To carry out the clearance of the path and dispose of material.

£650.00

We understand that there may be ecological issues with carrying out this element of work. Our costs do not allow for any ecological/environmental assessments and associated delays and assume that these matters can be addressed by others.

Inspection of the concrete roof at the main entrance

Due to visitors accessing the main entrance to the tunnel, we recommended in our report that the concrete above the main entrance is inspected and any loose material removed. This work could be carried out as part of the Caverns' annual inspection by TL Excavations.

The "inspection" is to be covered by the inspection cost detailed earlier. However, if areas of loose concrete are identified then the additional cost will be incurred.

Wardell Armstrong

To arrange, supervise and inspect the work.

£200.00

T L Excavations Ltd

To carry out inspection and remove damaged/loose concrete.

£1,365.00

Summary of Proposed Works Costs

| Item | Wardell Armstrong | TL Excavations |
|--|-------------------|----------------|
| 1. Annual Underground Inspection 2012 | £2,850.00 | £4,945.00 |
| 2. White Wash Wall | £200.00 | £1,785.00 |
| 3. Drainage Remedial Works | - | £50.00 |
| 4. Placement of grilles | - | £140.00 |
| 5. Vegetation clearance | £200.00 | £650.00 |
| 6. Inspection/Remediation of main entrance concrete roof | £200.00 | £1,365.00 |



The contractor has indicated that the works have been priced on the basis that all the works would form one contract. This assumes that the additional works would be undertaken immediately after the annual inspection. If there was an intention for some items to be undertaken at a later date, the above costs would need to be re-measured to account for additional mobilisation costs.

It is assumed that Interserve will be responsible for the payment of T L Excavations Ltd's invoices directly, subject to our verification.

We hope the above proposal meets with your approval, however, if you have any queries please do not hesitate to contact us. If you wish us to proceed as indicated please confirm by returning one signed copy of the attached Terms of Engagement for our files.

Yours sincerely
for Wardell Armstrong LLP

[Redacted signature block]
[Redacted text]
[Redacted text]
[Redacted text]

Enc

[REDACTED]
From:

Sent:

[REDACTED]
07 April 2014 13:19

To:

Subject:

[REDACTED]
FW: [NL00910][JOB - Job] Inspection and Remediation at MAFF Caverns,
Rhydymwym
20101105104947940.pdf

Attachments:

[REDACTED]
17 Nant Alyn Road
Rhydymwyn
Nr Mold
Flintshire
CH7 5HQ
[REDACTED]
[REDACTED]

From:

[REDACTED]
Sent: 05 November 2010 10:58

To:

Subject: [NL00910][JOB - Job] Inspection and Remediation at MAFF Caverns, Rhydymwym

[REDACTED]
Please find attached our costed proposal to carry out the next phase of works in the Caverns.

The proposal includes costs for the inspection and for all of the remedial works which were recommended in our previous report. It will also be issued, hard copy, in today's post.

Trust that the attached is acceptable. Please do not hesitate to be in touch if you would like to discuss it further.

Kind regards

[REDACTED]
[REDACTED]
Wardell Armstrong LLP

Sir Henry Doulton House
Forge Lane
Etruria
Stoke on Trent
Staffordshire
ST1 5BD

[REDACTED]
www.wardell-armstrong.com

Our ref: DCW/RB/SL/NL00910/J60

Date: 5 November 2010

Your ref:

[REDACTED]
Carillion Services
17 Nant Alyn Road
Rhydymwyn
Nr Mold
Flintshire
CH7 5HQ

Dear [REDACTED]

MAFF Buffer Depot, Rhydymwyn, Mold

Further to our recent discussions, please find below our fee proposal for the following:

- 2010/11 inspection of the underground caverns;
- additional remedial works in accordance with the recommendations made in our report entitled "Report on Stability Inspection" dated June 2010.

UNDERGROUND INSPECTION 2010/11

Scope of Work

It is proposed to undertake the following work:

- visual inspection of the caverns, ventilation shafts and ventilation shaft cross cut tunnels;
- sounding inspection of discrete areas identified during the visual inspection and during previous work from a mobile access platform;
- inspection of the concrete lined ingress/egress tunnels;
- clear the floor of fallen debris.

The inspection will be carried out in accordance with the method specified in our 'Report on Cavern Inspection and Repair Works' dated May 1997. Appropriate health and safety measures will be implemented, including provision of gas monitoring equipment and personal self rescuers in accordance with our Code of Practice issued with our letter of 9 April 1999; preparation of a Designers Risk Assessment and reviewing the Contractor's Method Statement and Risk Assessments.

As such the proposed inspection will be undertaken by two engineers on a single day who will be assisted by TL Excavations Ltd. TL Excavations Ltd will be on site for 2 days to complete the roof and tunnel sounding inspection works.

Costs

The estimated costs to undertake the work are as follows (all costs include disbursements and expenses but exclude VAT):





Wardell Armstrong

Provide a two person team for inspection including arranging, supervising of contractors, managing, and reporting.

£2,750.00

T L Excavations Ltd

Supervisor, underground technician and surface safety co-ordinator to undertake sounding inspection, clear debris and assist with inspection. The cost includes for the hire of a mobile access platform, gas monitor and self rescuers, subsistence, travel and provision of basic equipment.

£3,035.00

ADDITIONAL WORKS

Bar down loose rock in Cavern A

Our report recommended that an attempt is made to bar down loose rock identified in the roof of Cavern A to remove the potential for future sudden collapse. It was also recommended that this area be cordoned off to prevent access. The works will be carried out by TL Excavations Ltd following the annual inspection and is anticipated to take a day to complete.

The costs to undertake this work is as follows:

Wardell Armstrong

To arrange, supervise and inspect the work.

£550.00

T L Excavations Ltd

To carry out the above works as an additional day to the annual inspection. To comprise a 3 man team. To provide adequate means to cordon off Area A.

£1,350.00

Removal of Buttrressing at Pillar "D1"

Our report identified that the concrete buttressing at Pillar "D1" is significantly de-stabilised and the annual measurements have confirmed that the movement at this location is continuing. This buttressing now comprises a considerable risk to the safety of personnel within the caverns and to the structure (suspended concrete floor below) of the caverns. Therefore, our report strongly recommended the removal of the upper half of the concrete/block buttressing at Pillar 'D1' to mitigate future collapse. This work will be carried out by T L Excavations Ltd. This work is anticipated to take 10 days to complete.

The costs to undertake this work are as follows:

Wardell Armstrong

Provide inspection and supervision of the works being carried out by the Contractor during the works and at completion. We have assumed that an initial meeting will be held during the cavern inspection, followed by a further three visits. We will arrange, supervise and manage the Contractor and provide health and safety measures including Designer's Risk Assessment etc.

£3,500.00



T L Excavations Ltd

To carry out the above works including:

- Provide and install temporary support and floor protection including hire of heavy duty acroprops, timber, sheet material, underground transportation;
- Provide and install scaffolding including materials, underground transportation;
- Dismantle upper half of concrete buttress including provision of a compressor with fuels/oils, a breaker, a dumper with fuels/oils, a concrete splitter, rock drills;
- Remove debris including provision of an underground dumper;
- Removal of the temporary supports and scaffolding including underground transportation.

£14,500.00

The above items include a full time 3 man Contracting team for 10 days.

Shaft Access Roof Remediation

Prior to our last inspection in January 2010, there had been a significant fall of rock from the roof of the southern shaft access tunnel. This rock fall had torn and destroyed the steel mesh at the roof and had fallen on top of, and adjacent to, the walkway bridge which provides access to the shaft base area. This rock fall has now had the effect of removing the existing rock bolt plates from the rock surface and therefore rendered them as non-functional. The nature of the rock at this location is generally weaker to that in the remainder of the caverns. Therefore, there is potential for further future collapse at this location. Fortunately on this occasion the rock fall did not destroy the walkway bridge and access is still available to the southern shaft base.

This access tunnel is located to the west of the surface public highway beneath agricultural land and provides the ventilation to the caverns. In order to remediate this, our report recommended that the existing roof mesh should be replaced and the existing rock bolts be re-threaded at both shaft access tunnels. Three additional rock bolts were also recommended to fix the mesh to the roof more effectively and to stabilise the rock structure. This work will be carried out by T L Excavations and is anticipated to take 10 days to complete. The costs are as follows:

Wardell Armstrong

Wardell Armstrong will design and arrange the rock bolting and meshing remedial works to both shaft access tunnels including provision and assessment of health and safety documentation. We will provide inspection and supervision works to the Contractor during the work. We have allowed for 4 visits over the 10 day programme.

£2,850.00

T L Excavations Ltd

For the provision of replacement geotextile netting, 3 rock bolts, resin, a compressor, fuel, underground transportation, roof bolting, provision of rock bolting; drill rig, scaffolding, hydraulic nut splitter and re-threading die nuts. The works will comprise the installation of scaffolding, removal of existing degraded meshing, scaling the roof to free loose rock, removal of the nuts from existing roof rock bolts and installing new rock bolts in both shaft tunnels.

£15,460.00

Please note that the existing rock bolts are significantly weathered and some repair works may not be possible. If any of the existing rock bolts are identified to be unserviceable it may be required to install additional replacement bolts. Additional costs would be associated with this in which event prior approval would be sought.



Concrete Floor Investigation

The suspended concrete floor within Caverns A and B and all "cross cut" tunnels has been in place since it was constructed during the Second World War. In some areas the concrete and the steel struts and joists which take the load of the suspended floor are showing significant evidence of corrosion (spalling concrete, thick deposits of rust etc).

Our report recommended that an investigation of the concrete floor is undertaken to assess the potential for floor collapse (possibly this could be caused by plant being used to inspect the caverns or by future operations). This work will be carried out by TL Excavations and is expected to take 2.5 days to complete. The costs are as follows:

Wardell Armstrong

To arrange, supervise and inspect the work.

£950.00

TL Excavations Ltd

To carry out an investigation of the concrete floor including the provision of a diamond drill rig, 100mm diameter coring bit, a generator, all additional equipment and consumables and a 3 man team full time for 2.5 days.

£3,575.00

Repair of Surface Shaft Cap

Our report identified that the ventilation openings on the shaft caps at the surface required some repair. If the condition of the grilles covering the openings deteriorate further, this would permit unauthorised access and present a safety hazard. Therefore, we recommend this work is carried out as soon as possible. TL Excavations would carry out this work and is expected to take half a day to complete. The costs are as follows:

Wardell Armstrong

To arrange, supervise and inspect the work.

£200.00

TL Excavations Ltd

Repair existing measures to adequately cover the shaft cap ventilation openings including, labour, equipment and consumables.

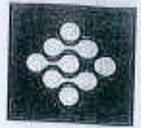
£400.00

Summary of Proposed Works Costs

| Item | Wardell Armstrong | TL Excavations |
|--|-------------------|----------------|
| 1. Annual Underground Inspection 2010/11 | £2,750.00 | £3,035.00 |
| 2. Bar down loose rock in Cavern A | £550.00 | £1,350.00 |
| 3. Removal of Buttressing at Pillar "D1" | £3,500.00 | £14,500.00 |
| 4. Shaft Access Roof Remediation | £2,850.00 | £15,460.00 |
| 5. Concrete Floor Investigation | £950.00 | £3,575.00 |
| 6. Repair of surface shaft caps | £200.00 | £400.00 |

The contractor has indicated that the works have been priced on the basis that all the works would form one contract. This assumes that the additional works would be undertaken immediately after the annual inspection. If there was an intention for some items to be undertaken at a later date, the above costs would need to be re-measured to account for additional mobilisation costs.

It is assumed that Interserve will be responsible for the payment of T L Excavations Ltd's invoices directly, subject to our verification.



We hope the above proposal meets with your approval, however, if you have any queries please do not hesitate to contact us. If you wish us to proceed as indicated please confirm by returning one signed copy of the attached Terms of Engagement for our files.

Yours sincerely
for Wardell Armstrong LLP

[Redacted signature block]

Enc

[REDACTED]

From: [REDACTED]
Sent: 07 April 2014 13:17
To: [REDACTED]
Subject: FW: Cavern Works
Attachments: 20120123152352922.pdf

[REDACTED]

I've found this one, any more will come separately.

[REDACTED]

[REDACTED]

[REDACTED]

17 Nant Alyn Road
Rhydymwyn
Nr Mold
Flintshire
CH7 5HQ

[REDACTED]

[REDACTED]

From: [REDACTED]
Sent: 23 January 2012 16:23
To: [REDACTED]
Subject: RE: Cavern Works

Hello [REDACTED]

Further to our recent email correspondence and telephone discussion, please find attached our amended cost proposal for the Cavern Inspection work which now includes for the ecological inspections etc. The attached letter supersedes the one we sent on 5 January 2012.

Hope this is in order; hard copy to follow in the post.

Kind regards

[REDACTED]

[REDACTED]

Wardell Armstrong LLP
Sir Henry Doulton House
Forge Lane
Etruria
Stoke on Trent
Staffordshire
ST1 5BD

[REDACTED]

[REDACTED]

www.wardell-armstrong.com

From: [REDACTED]
Sent: 18 January 2012 11:01
To: [REDACTED]
Subject: FW: Cavern Works

[REDACTED]

Please see reply from Defra re my request for a P.O.
Please phone me to discuss.

[REDACTED]

[REDACTED]

Sustainable Workplace Management
17 Nant Alyn Road
Rhydymwyn
Nr Mold
Flintshire
CH7 5HQ

From: [REDACTED]
Sent: 18 January 2012 10:24
To: [REDACTED]
Subject: RE: Cavern Works

[REDACTED]

Thank you for this advice.

I am uncomfortable proceeding with the works order as the quotation does not address the ecology impact assessment and there is no evidence that the method statements for exposing parts of the structure and secondary exit recognise and accommodate essential compliance with the wildlife issues. The assuming that others will address this is not acceptable.

WA need to revisit the proposal and fully address how their proposed exposure works and clearance will be implemented within the licensing arrangements of Wildlife & Countryside Act. If they feel a meeting would be helpful with us to discuss the implications of Newts and bats then I would be happy to set this up.

At the moment I see little point in placing instruction for an incomplete works order.

Regards

[REDACTED]

Our ref: DCW/RB/SL/NL00910/J67
Your ref:

Date: 23 January 2012

[REDACTED]
Interserve
17 Nant Alyn Road
Rhydymwyn
Nr Mold
Flintshire
CH7 5HQ

Dear [REDACTED]

MAFF Buffer Depot, Rhydymwyn, Mold

Further to our recent discussions, please find below our fee proposal for the following:

- 2012 inspection of the underground caverns;
- additional remedial works in accordance with the recommendations made in our report entitled "Report on Stability Inspection and Remedial Works" dated November 2011.

This letter supersedes our previous costed proposal reference DCW/PAG/SL/NL00910/J66 dated 5 January 2012 due to the addition of costs associated with ecological matters.

UNDERGROUND INSPECTION 2012

Scope of Work

It is proposed to undertake the following work:

- visual inspection of the caverns, ventilation shafts and ventilation shaft cross cut tunnels;
- sounding inspection of discrete areas identified during the visual inspection and during previous work from a mobile access platform;
- inspection of the concrete lined ingress/egress tunnels;
- clear the floor of fallen debris.

The inspection will be carried out in accordance with the method specified in our 'Report on Cavern Inspection and Repair Works' dated May 1997. Appropriate health and safety measures will be implemented, including provision of gas monitoring equipment and personal self rescuers in accordance with our Code of Practice issued with our letter of 9 April 1999; preparation of a Designers Risk Assessment and reviewing the Contractor's Method Statement and Risk Assessments.

As such the proposed inspection will be undertaken by two engineers on a single day who will be assisted by TL Excavations Ltd. TL Excavations Ltd will be on site for 3 days to complete the roof and tunnel sounding inspection works.





Costs

The estimated costs to undertake the work are as follows (all costs include disbursements and expenses but exclude VAT):

Wardell Armstrong

Provide a two person team for inspection including arranging, supervising of contractors, managing, and reporting.

£2,850.00

T L Excavations Ltd

Supervisor, underground technician and surface safety co-ordinator to undertake sounding inspection, clear debris and assist with inspection. An inspection of the concrete roof at the main entrance portal will be carried out. The cost includes for the hire of a mobile access platform, gas monitor and self rescuers, subsistence, travel and provision of basic equipment.

£4,945.00

REMEDIAL WORKS

White Washing of Cavern D Wall

The rock wall, formerly behind the now removed wall in Cavern D should be white washed/spray painted to easily identify any future spalling. The works could be carried out by TL Excavations Ltd following the annual inspection and is anticipated to take a day to complete.

The costs to undertake this work is as follows:

Wardell Armstrong

To arrange, supervise and inspect the work.

£200.00

T L Excavations Ltd

To carry out the above works as an additional day to the annual inspection. To comprise a 3 man team and to provide all materials.

£1,785.00

Remedial Works to Drainage System

Our report identified that the water collection system in the roof at the north of Cavern B is not operating effectively and needs to be remediated. This work could be carried out by T L Excavations Ltd and is anticipated to take 1 day to complete.

The costs to undertake this work are as follows:

T L Excavations Ltd

To remediate the drainage system.

£50.00

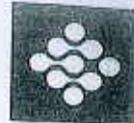
Replacement of 2 new metal grilles

It is recommended in our report, for safety reasons, that 2 grilles are placed on the parallel beams in the northern shaft cross cut tunnel to complete the walk-way.

T L Excavations Ltd

For the provision 2 No. metal grilles and installation.

£140.00



Vegetation Clearance to Secondary Egress

Our report recommends, for safety reasons, that the vegetation, leaf litter and other extraneous plant material be removed from the path leading from the secondary egress.

Wardell Armstrong

To arrange, supervise and inspect the work. **£200.00**

T L Excavations Ltd

To carry out the clearance of the path and dispose of material. **£650.00**

Inspection of the concrete roof at the main entrance

Due to visitors accessing the main entrance to the tunnel, we recommended in our report that the concrete above the main entrance is inspected and any loose material removed. This work could be carried out as part of the Caverns' annual inspection by TL Excavations.

The "inspection" is to be covered by the inspection cost detailed earlier. However, if areas of loose concrete are identified then the additional cost will be incurred.

Wardell Armstrong

To arrange, supervise and inspect the work. **£200.00**

T L Excavations Ltd

To carry out inspection and remove damaged/loose concrete. **£1,365.00**

Ecological Matters

It is understood that the proposal to inspect the concrete roof at the main entrance portal may have bat implications and that the vegetation clearance to the secondary egress may raise Great Crested Newt (and potentially nesting bird) issues.

To address ecological issues we propose to carry out a watching brief for protected species, namely bats, Great Crested Newts and breeding birds. This will comprise:

- inspection of the tunnel entrance portal for bats;
- hand searching of vegetation/leaf litter at the secondary egress for Great Crested Newts;
- a check for nesting birds in trees associated with any vegetation clearance at the secondary egress, if works take place between 1 March - 31 August inclusive.

The ecology watching brief will be carried out by appropriately qualified and experienced ecologists. We have allowed for 2 ecologists to visit the site to separately carry out the bat and Great Crested Newt inspections. A short report on the outcome of the ecology watching brief will be incorporated into the completion report. If, during the course of the watching brief, the need for further ecological mitigation is identified (e.g. if roosting bats are found), this will be discussed and agreed with Interserve. Due to the nature of this work, the ecological inspections will need to take place immediately prior to the cavern stability inspection and vegetation clearance works.

£975.00



Summary of Proposed Works Costs

| Item | Wardell Armstrong | TL Excavations |
|--|-------------------|----------------|
| 1. Annual Underground Inspection 2012 | £2,850.00 | £4,945.00 |
| 2. White Wash Wall | £200.00 | £1,785.00 |
| 3. Drainage Remedial Works | - | £50.00 |
| 4. Placement of grilles | - | £140.00 |
| 5. Vegetation clearance | £200.00 | £650.00 |
| 6. Inspection/Remediation of main entrance concrete roof | £200.00 | £1,365.00 |
| 7. Ecological Matters | £975.00 | - |

The contractor has indicated that the works have been priced on the basis that all the works would form one contract. This assumes that the additional works would be undertaken immediately after the annual inspection. If there was an intention for some items to be undertaken at a later date, the above costs would need to be re-measured to account for additional mobilisation costs.

It is assumed that Interserve will be responsible for the payment of T L Excavations Ltd's invoices directly, subject to our verification.

We hope the above proposal meets with your approval, however, if you have any queries please do not hesitate to contact us. If you wish us to proceed as indicated please confirm by returning one signed copy of the attached Terms of Engagement for our files.

Yours sincerely
for Wardell Armstrong LLP

[Redacted signature block]

Enc

[REDACTED]

From: [REDACTED]
Sent: 04 April 2014 15:21
To: [REDACTED]
Subject: RE: cavern works

On their way there will be 2 one for each supplier.

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
Rhydymwyn
Nr Mold
Flintshire
CH7 5HQ
[REDACTED]
[REDACTED]

From: [REDACTED]
Sent: 04 April 2014 15:19
To: [REDACTED]
Subject: RE: cavern works

[REDACTED]

Yes please submit a detailed BCP

Regards

[REDACTED]

From: [REDACTED]
Sent: 04 April 2014 14:43
To: [REDACTED]
Subject: FW: cavern works

Afternoon [REDACTED]

Did you manage to speak to [REDACTED]
Shall I submit a BCP?

[REDACTED]
[REDACTED]
[REDACTED]

17 Nant Alyn Road
Rhydymwyn
Nr Mold
Flintshire
CH7 5HQ
[REDACTED]
[REDACTED]

[REDACTED]
Sent: 03 April 2014 10:16
To: [REDACTED]
Subject: RE: cavern works

[REDACTED]

March is the anniversary so I'm hoping we can complete towards the end of this month, I don't really want to complete a BCP, have some of the works rejected, then have to do another one, so I am hoping you could authorise the complete proposal?

We have looked into competitive tendering before and there is no-one else out there, Wardells have been on site since the late 80's early 90's as the main contractor, using T.L.'s as a sub-contractor. We have looked at using other recommended sub-contracting mining engineers but they turned out to be very expensive.

[REDACTED]
[REDACTED]
[REDACTED]
17 Nant Alyn Road
Rhydymwyn
Nr Mold
Flintshire
CH7 5HQ
[REDACTED]
[REDACTED]

From: [REDACTED]
Sent: 03 April 2014 09:34
To: [REDACTED]
Subject: RE: cavern works

[REDACTED]

Thanks that's better

What's the Anniversary date and impact of that, [REDACTED] will want the price to be competitive/tendered

Regards

From: [REDACTED]
Sent: 03 April 2014 09:31
To: [REDACTED]
Subject: RE: cavern works

Sorry [REDACTED]

I have just started to complete the BCP for all the associated works, should I continue if only to get them in the system?

I am afraid of losing the anniversary date.

[REDACTED]

[REDACTED]
17 Nant Alyn Road
Rhydymwyn
Nr Mold
Flintshire
CH7 5HQ
[REDACTED]

From: [REDACTED]
Sent: 03 April 2014 09:22
To: [REDACTED]
Subject: RE:

Sorry [REDACTED]

I sent this over to [REDACTED] for Comment, I have chassed him today

Can you please put a title in the subject line It helps me find emails in my inbox

Regards

[REDACTED]

From: [REDACTED]
Sent: 31 March 2014 11:44
To: [REDACTED]
Subject:

[REDACTED]
I sent you a proposal from [REDACTED] the other week re cavern survey and remedial works, just wondering if you have had time to look at it and what's your thoughts?
I would like to get the BCP in as soon as but would like to know if I should include everything?
Please give me a call to discuss.

Thanks,

[REDACTED]
[REDACTED]
[REDACTED]
17 Nant Alyn Road
Rhydymwyn
Nr Mold
Flintshire
CH7 5HQ
[REDACTED]

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Business Case Proforma (BCP) - ** Summary Sheet **

Version 1.2

Issue Date: 26/1 1/012

BCP Reference:- **** To be provided by the Project Inbox [REDACTED] once this BCP has been processed ****

Project Type:- **Small Works**

Maximo Work Order No:- **W180810**

Property:- **61 RHYDYMWYN BUFFER DEPOT**

Title to summarise proposed Work:- **Annual cavern survey to include remedial works**

Comprehensive overview of the work proposed:- **Interserve sub-contractor to deliver during normal working hours annual cavern survey to include convergence bolt survey, inspection of cavern walls, installation of cordons. Also to include contingency for forced ventilation.**

Explanation of why this work is required:- **H&S of Interserve site staff, stakeholders and public**

Risk of not proceeding with work:- **Risk of cavern collapse H&S for Interserve staff, stakeholders and public**

Anticipated Project Start Date:- **06-May-14**

Anticipated Project End Date:- **30-May-14**

Cost Summary:-

| | | |
|---|--|-------------------|
| Cost | | £14,145.00 |
| Repair and Replacement Threshold | | £0.00 |
| Total Cost minus Repair and Replacement Theshold | | £0.00 |
| Margin | | £1,230.62 |
| Professional Fees | | £0.00 |
| Total Price of Work Proposed to Defra (exc VAT) | | £15,375.62 |
| Total Price of Work Proposed to Defra (inc VAT@ 20%) | | £18,450.74 |

The costs included above captures the Maximum Approved Expenditure. Any additional costs will require a further BCP to be approved before any additional work commences.

WBM approving this BCP:- [REDACTED]

WBM Signature: _____

**** By approving this work the WBM has reviewed the entire BCP (Summary and Input Sheet) and confirms it is value for money, the right solution & in line with targets.****

ICF approving this BCP [REDACTED]

ICF Signature: _____



1) General Information

Name of person completing BCP form
Telephone Contact details for person completing this form
Email Address for person completing this form
Date that this BCP application was completed



2) Machine / Works Reference No.

Please provide the Machine Work Order No. for this work.
Insert any local work reference you wish to add.



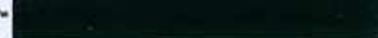
3) Location of Works or Services

Is the site receiving works / services listed on the Building Services Matrix?

Yes / No (Please enter in the box)

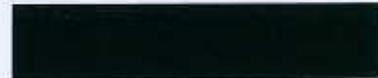


If the site has numerous buildings (i.e. Weybridge), please provide the name of the building where the works or services are to be carried out:



4) Works Team

Please select Work Type from the drop down list



Have the works been managed or delivered through Intervise's dedicated Project Team?



5) Application of Recall and Replacement Threshold

Section 5 is Not Applicable, please go to section 6



6) Overview of the Work Proposed

A Works Title
Please provide a short work description in one word or phrase, e.g. 'plant repairs in kitchen'.



B Description of Works

Please provide an overview describing the work / services that are to be delivered:

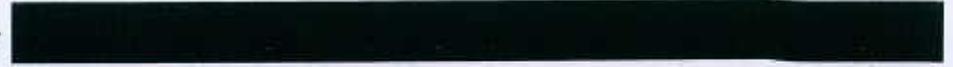


Please provide an overview of how the work is going to be delivered:
-Who is going to do the work (e.g. Intervise self perform or Intervise sub-contractors)
-Hours the work will be delivered (i.e. in normal hours, out of hours)
-Method of delivering the works
-Any other details you feel will assist the approver in reviewing your proposal. (Max 1000 characters)



C Works Justification

Please explain why this work is required?
(A brief explanation of what is driving the request for additional work outside the core contract with Intervise)



Please specify any "risks" of not doing this work?
(e.g. lost business revenue, business down time, temporary hire costs being incurred, etc.) If none please enter "No specific risks"



D Project Times

Anticipated Project Start Date



Anticipated Project End Date



Duration (Calendar Days)



Days

Comments on delivery timings:



Other comments

Do you wish to add any further comments not captured anywhere else on this form?



7) Other Delivery Considered

Section 7 is Not Applicable for Small Works, please go to section 8

Please can you briefly describe other alternatives to the works considered, and why this is the preferred option?

[Redacted]

8. Impact of BCP

Section 8 is NOT APPLICABLE to Great Works. Please proceed to the next section.

Will the preferred solution result in a change to the Asset register and Forward Maintenance Register?

[Redacted]

Will the works delivered under this BCP require a Service Variation to add FM services to scope (i.e. does the asset require ongoing additional maintenance, cleaning, etc)?

[Redacted]

[Redacted]

Does the Asset change impact the FMS?

[Redacted]

Is there any other material to consider in relation to the proposed asset register?

[Redacted]

9. Cost and Risk/Delay

[Redacted]

[Redacted]

Costs should include all direct and indirect costs, including any material, labour, and overheads.

10. Approvals / Responsibilities Details

Name of AM approving this BCP

[Redacted]

Date this BCP was approved by the AM listed above

[Redacted]

An email authorisation from the ICF must be provided with this BCP to show approval

Name of ICF approving this BCP

[Redacted]

Agency

[Redacted]

Date this BCP was approved by the ICF listed above

[Redacted]

By signing this form the contractor agrees to the terms and conditions of the contract and to the fact that the work will be carried out in accordance with the contract documents.

*** This BCP may be subject to an audit at a later stage. ***

