

Ref 5.81.3

DWI Notices

February 2016



THE WATER SUPPLY (WATER QUALITY) REGULATIONS 2010

NOTICE UNDER REGULATION 29(4)

DŴR CYMRU WELSH WATER: Z1068N51 Cardiff (Ely / Radyr / Llandaf)

Version Number: 1

Z1068N51 Cardiff (Ely / Radyr / Llandaf): Supply System Y8109 Sluvad/Court Farm/Llwynon

Improvement Programme Database Reference number – DWR 3521

THE WELSH MINISTERS:

1. have received a report from Dŵr Cymru Welsh Water (the “**Company**”) dated 3 July 2015 (the “**Report**”) which states that there is or has been a significant risk of supplying water from the Cardiff (Ely / Radyr / Llandaf) zone that would constitute a potential danger to human health.
2. gives Notice that the Company is required, in order to mitigate the risk, in accordance with Regulation 29(4):

For risks associated with:

- Discolouration and associated customer acceptability due to the condition and operation of the network system

(a) to maintain the existing operational measures set out in the Report and as specified below:

- i. Regulatory sampling of water at Llandegfedd, Court Farm and Llwynon works and at customers' taps
- ii. Monitoring, tracking and reporting customer contacts
- iii. Responding as required to any PCV failure or customer contact in line with company procedures. Carry out an investigation to determine the root cause of the failure and identify any remedial measures required to prevent a recurrence
- iv. Liaison with local and public health authorities as appropriate
- v. Review risk assessments for customer contacts and update regulation 29 report

(b) to review, revise and/or make operational such measures as are specified below, by the date specified below:

Short term measures

- vi. Complete Distribution zonal study (DZS) including formulating the methodology for mitigating discolouration risk in this zone **by 30 June 2016**
- vii. Ensure optimisation of Llandegfedd, Court Farm and Llwynon works with 95 percentile less than 20% PCV **Ongoing**

Medium term measures

- viii. Confirmation of programme of work identified through the DZS following cost benefit for customer acceptability **by 31 July 2018**
- ix. Confirmation of success criteria for demonstration of benefit in delivering the proposed programme of work including commencement dates and timescale for demonstration of benefit **by 31 July 2018**

Long term measures

- x. Delivery of programme of work as identified through DZS in Step (b) viii above **by 31 March 2025**

(c) to audit whether the measures have been effective by such means as specified below:

- xi. Define a strategy for auditing the effectiveness of the above measures to include the following **by 29 February 2016**;
 - Monitoring of iron and manganese levels in samples taken from Llandegfedd, Court Farm and Llwynon works
 - Implementation of enhanced sampling programme throughout the zone for Fe and Mn to 104 and 76 per year respectively
 - Review of customer contacts on quarterly basis to measure and monitor change and if necessary escalate remediation as appropriate
 - Drinking Water Safety Plan and regulation 29 reports updated in line with any new information arising
 - Review programme of work and delivery timescales to address priority areas of customer acceptability following updated information
 - Validate benefits delivered against benefits criteria set
 - Technical reports for preferred solutions where choices are available
 - Commissioning, completion and handover certificates for all work carried out in line with the programme as defined in step (b) viii
- xii. Implement the audit strategy outlined in (xi), keep under review, and resubmit when subject to change, until the revocation of this notice.

(d) NA

(e) to provide the following information in such time and manner as specified below to enable monitoring of progress:

- i. Provide a progress report annually by 31 January (to include progress against audit strategy in c) and at the following key milestones
 - Provision of the output from DZS as indicated in Step b(vi) (1 month after short term measure date) **by 31 July 2016**
 - Provision of the programme of remediation work arising from DZS and criteria for benefit setting as indicated in Step b (viii) (1 month after medium term measure date) **by 31 August 2018**
 - Delivery of remediation identified in Step b (x) (1 month after completion of last scheme) **by 30 April 2025**
 - Initial completion report **by 30 October 2026**
- ii. Review the risk assessment for Z1068N51 as required by Regulation 28(4) and subsequently submit a revised Regulation 29 report (in accordance with Regulation 29(1)) from time to time; and **by 31 July 2025**
- iii. Submit a satisfactory completion report **by 29 October 2027**.

Please be aware that breach by the Company of this Notice may result in an enforcement notice, breach of which may itself attract a penalty

This Notice may be amended or revoked by notice from the Welsh Ministers at any time.

Signed by authority of the Welsh Ministers,



Milo Purcell

Deputy Chief Inspector

DWI ref DWR 3521

15 February 2016

Assets Affected	
Asset name	Asset reference
Leckwith SRV	R67254
Radyr SRV	R67179/R67180
St Lythams SRV	R67205
Tongwynlais SRV	R67267
Treforest SRV	R300085
Llandegfedd	T48498
Court Farm	T320509
Llwynon	T67149



THE WATER SUPPLY (WATER QUALITY) REGULATIONS 2010

NOTICE UNDER REGULATION 29(4)

DŴR CYMRU WELSH WATER: Z1069L16 Malpas / Caerleon

Version Number: 1

Z1069L16 Malpas / Caerleon : Supply System Y8109 Sluvad / Court Farm / Llwynon

Improvement Programme Database Reference number – DWR 3522

THE WELSH MINISTERS:

1. have received a report from Dŵr Cymru Welsh Water (the “**Company**”) dated 7 March 2015 (the “**Report**”) which states that there is or has been a significant risk of supplying water from the Malpas / Caerleon zone that would constitute a potential danger to human health.
2. gives Notice that the Company is required, in order to mitigate the risk, in accordance with Regulation 29(4):

For risks associated with:

- Discolouration and associated customer acceptability due to the condition and operation of the network system

(a) to maintain the existing operational measures set out in the Report and as specified below:

- i. Regulatory sampling of water at Court Farm, Llandegfedd and Talybont works and at customers' taps
- ii. Monitoring, tracking and reporting customer contacts
- iii. Responding as required to any PCV failure or customer contact in line with company procedures. Carry out an investigation to determine the root cause of the failure and identify any remedial measures required to prevent a recurrence
- iv. Liaison with local and public health authorities as appropriate
- v. Review risk assessments for customer contacts and update regulation 29 report

(b) to review, revise and/or make operational such measures as are specified below, by the date specified below:

Short term measures

- vi. Complete Distribution zonal study (DZS) including formulating the methodology for mitigating discolouration risk in this zone **by 30 June 2016**
- vii. Ensure optimisation of Court Farm, Llandegfedd and Talybont works with 95 percentile less than 20% PCV **Ongoing**

Medium term measures

- viii. Confirmation of programme of work identified through the DZS following cost benefit for customer acceptability **by 31 December 2016**
- ix. Confirmation of success criteria for demonstration of benefit in delivering the proposed programme of work including commencement dates and timescale for demonstration of benefit **by 31 December 2016**

Long term measures

- x. Delivery of programme of work as identified through DZS in Step (b) viii above **by 31 March 2017**

(c) to audit whether the measures have been effective by such means as specified below:

- xi. Define a strategy for auditing the effectiveness of the above measures to include the following **by 29 February 2016**;
 - Monitoring of iron and manganese levels in samples taken from Court Farm, Llandegfedd and Talybont works
 - Implementation of enhanced sampling programme throughout the zone for Fe and Mn to 104 and 76 per year respectively
 - Review of customer contacts on quarterly basis to measure and monitor change and if necessary escalate remediation as appropriate
 - Drinking Water Safety Plan and regulation 29 reports updated in line with any new information arising
 - Review programme of work and delivery timescales to address priority areas of customer acceptability following updated information
 - Validate benefits delivered against benefits criteria set
 - Technical reports for preferred solutions where choices are available
 - Commissioning, completion and handover certificates for all work carried out in line with the programme as defined in step (b) viii
- xii. Implement the audit strategy outlined in (xi), keep under review, and resubmit when subject to change, until the revocation of this notice.

(d) NA

(e) to provide the following information in such time and manner as specified below to enable monitoring of progress:

- i. Provide a progress report annually by 31 January (to include progress against audit strategy in c) and at the following key milestones
 - Provision of the output from DZS as indicated in Step b(vi) (1 month after short term measure date) **by 31 July 2016**
 - Provision of the programme of remediation work arising from DZS and criteria for benefit setting as indicated in Step b (viii) (1 month after medium term measure date) **by 31 January 2017**
 - Delivery of remediation identified in Step b (x) (1 month after completion of last scheme) **by 28 April 2017**
 - Initial completion report **by 31 October 2018**
- ii. Review the risk assessment for Z1069L16 as required by Regulation 28(4) and subsequently submit a revised Regulation 29 report (in accordance with Regulation 29(1)) from time to time; and **by 31 July 2017**
- iii. Submit a satisfactory completion report **by 31 October 2019**.

Please be aware that breach by the Company of this Notice may result in an enforcement notice, breach of which may itself attract a penalty

This Notice may be amended or revoked by notice from the Welsh Ministers at any time.

Signed by authority of the Welsh Ministers,



Milo Purcell

Deputy Chief Inspector

DWI ref DWR 3522

15 February 2016

Assets Affected	
Asset name	Asset reference
Bettws SRV	R49412
Llanderfel SRV	R49570
Llantarnam SRV	R49591
Llangybi SRV	R49576
Llanhennock SRV	R49587
Lodeg Hill SRV	R49766
Maesyrihiw SRV	R49620
Tram Road SRV	R49719
Court Farm	T320509
Llandegfedd	T48498
Talybont	T48562



THE WATER SUPPLY (WATER QUALITY) REGULATIONS 2010

NOTICE UNDER REGULATION 29(4)

DŴR CYMRU WELSH WATER: Z1085N48 Cardiff (Heath / Llanishen)

Version Number: 1

Z1085N48 Cardiff (Heath / Llanishen) : Supply System Y8109 Sluvad / Court Farm / Llwynon

Improvement Programme Database Reference number – DWR 3523

THE WELSH MINISTERS:

1. have received a report from Dŵr Cymru Welsh Water (the “**Company**”) dated 7 March 2015 (the “**Report**”) which states that there is or has been a significant risk of supplying water from the Cardiff (Heath / Llanishen) zone that would constitute a potential danger to human health.
2. gives Notice that the Company is required, in order to mitigate the risk, in accordance with Regulation 29(4):

For risks associated with:

- Discolouration and associated customer acceptability due to the condition and operation of the network system

(a) to maintain the existing operational measures set out in the Report and as specified below:

- i. Regulatory sampling of water at Llandegfedd, Court Farm and Llwynon water treatment works and at customers' taps
- ii. Monitoring, tracking and reporting customer contacts
- iii. Responding as required to any PCV failure or customer contact in line with company procedures. Carry out an investigation to determine the root cause of the failure and identify any remedial measures required to prevent a recurrence
- iv. Liaison with local and public health authorities as appropriate
- v. Review risk assessments for customer contacts and update regulation 29 report

(b) to review, revise and/or make operational such measures as are specified below, by the date specified below:

Short term measures

- vi. Complete Distribution zonal study (DZS) including formulating the methodology for mitigating discolouration risk in this zone **by 30 June 2016**
- vii. Ensure optimisation of Llandegfedd, Court Farm and Llwynon works with 95 percentile less than 20% PCV **Ongoing**

Medium term measures

- viii. Confirmation of programme of work identified through the DZS following cost benefit for customer acceptability **by 31 December 2016**
- ix. Confirmation of success criteria for demonstration of benefit in delivering the proposed programme of work including commencement dates and timescale for demonstration of benefit **by 31 December 2016**

Long term measures

- x. Delivery of programme of work as identified through DZS in Step (b) viii above **by 31 March 2019**

(c) to audit whether the measures have been effective by such means as specified below:

- xi. Define a strategy for auditing the effectiveness of the above measures to include the following **by 29 February 2016**;
 - Monitoring of iron and manganese levels in samples taken from Llandegfedd, Court Farm and Llwynon works
 - Implementation of enhanced sampling programme throughout the zone for Fe and Mn to 104 and 76 per year respectively
 - Review of customer contacts on quarterly basis to measure and monitor change and if necessary escalate remediation as appropriate
 - Drinking Water Safety Plan and regulation 29 reports updated in line with any new information arising
 - Review programme of work and delivery timescales to address priority areas of customer acceptability following updated information
 - Validate benefits delivered against benefits criteria set
 - Technical reports for preferred solutions where choices are available
 - Commissioning, completion and handover certificates for all work carried out in line with the programme as defined in step (b) viii
- xii. Implement the audit strategy outlined in (xi), keep under review, and resubmit when subject to change, until the revocation of this notice.

(d) NA

(e) to provide the following information in such time and manner as specified below to enable monitoring of progress:

- i. Provide a progress report annually by 31 January (to include progress against audit strategy in c) and at the following key milestones
 - Provision of the output from DZS as indicated in Step b(vi) (1 month after short term measure date) **by 31 July 2016**
 - Provision of the programme of remediation work arising from DZS and criteria for benefit setting as indicated in Step b (viii) (1 month after medium term measure date) **by 31 January 2017**
 - Delivery of remediation identified in Step b (x) (1 month after completion of last scheme) **by 30 April 2019**
 - Initial completion report **by 30 October 2020**
- ii. Review the risk assessment for Z1085N48 as required by Regulation 28(4) and subsequently submit a revised Regulation 29 report (in accordance with Regulation 29(1)) from time to time; and **by 31 July 2019**
- iii. Submit a satisfactory completion report **by 29 October 2021**.

Please be aware that breach by the Company of this Notice may result in an enforcement notice, breach of which may itself attract a penalty

This Notice may be amended or revoked by notice from the Welsh Ministers at any time.

Signed by authority of the Welsh Ministers,



Milo Purcell

Deputy Chief Inspector

DWI ref DWR 3523

15 February 2016

Assets Affected	
Asset name	Asset reference
Graig SRV	R67289
Rhiwbina SRV	R67256
Lower Thornhill SRV	R67274
Upper Thornhill SRV	R67277
Wenallt SRV	R67328
Llandegfedd	T48498
Court Farm	T320509
Llwynon	T67149



THE WATER SUPPLY (WATER QUALITY) REGULATIONS 2010

NOTICE UNDER REGULATION 29(4)

DŴR CYMRU WELSH WATER: Z1089N15 Cardiff East

Version Number: 1

Z1089N15 Cardiff East : Supply System Y8109 Sluvad/Court Farm/Llwynon

Improvement Programme Database Reference number – DWR 3524

THE WELSH MINISTERS:

1. have received a report from Dŵr Cymru Welsh Water (the “**Company**”) dated 7 March 2015 (the “**Report**”) which states that there is or has been a significant risk of supplying water from the Cardiff East zone that would constitute a potential danger to human health.
2. gives Notice that the Company is required, in order to mitigate the risk, in accordance with Regulation 29(4):

For risks associated with:

- Discolouration and associated customer acceptability due to the condition and operation of the network system

(a) to maintain the existing operational measures set out in the Report and as specified below:

- i. Regulatory sampling of water at Llandegfedd and Court Farm works and at customers' taps
- ii. Monitoring, tracking and reporting customer contacts
- iii. Responding as required to any PCV failure or customer contact in line with company procedures. Carry out an investigation to determine the root cause of the failure and identify any remedial measures required to prevent a recurrence
- iv. Liaison with local and public health authorities as appropriate
- v. Review risk assessments for customer contacts and update regulation 29 report

(b) to review, revise and/or make operational such measures as are specified below, by the date specified below:

Short term measures

- vi. Complete Distribution zonal study (DZS) including formulating the methodology for mitigating discolouration risk in this zone **by 30 June 2016**
- vii. Ensure optimisation of Llandegfedd and Court Farm works with 95 percentile less than 20% PCV **Ongoing**

Medium term measures

- viii. Confirmation of programme of work identified through the DZS following cost benefit for customer acceptability **by 31 December 2016**
- ix. Confirmation of success criteria for demonstration of benefit in delivering the proposed programme of work including commencement dates and timescale for demonstration of benefit **by 31 December 2016**

Long term measures

- x. Delivery of programme of work as identified through DZS in Step (b) viii above **by 31 March 2019**

(c) to audit whether the measures have been effective by such means as specified below:

- xi. Define a strategy for auditing the effectiveness of the above measures to include the following **by 29 February 2016**;
 - Monitoring of iron and manganese levels in samples taken from Llandegfedd and Court Farm works
 - Implementation of enhanced sampling programme throughout the zone for Fe and Mn to 104 and 52 per year respectively
 - Review of customer contacts on quarterly basis to measure and monitor change and if necessary escalate remediation as appropriate
 - Drinking Water Safety Plan and regulation 29 reports updated in line with any new information arising
 - Review programme of work and delivery timescales to address priority areas of customer acceptability following updated information
 - Validate benefits delivered against benefits criteria set
 - Technical reports for preferred solutions where choices are available
 - Commissioning, completion and handover certificates for all work carried out in line with the programme as defined in step (b) viii
- xii. Implement the audit strategy outlined in (xi), keep under review, and resubmit when subject to change, until the revocation of this notice.

(d) NA

(e) to provide the following information in such time and manner as specified below to enable monitoring of progress:

- i. Provide a progress report annually by 31 January (to include progress against audit strategy in c) and at the following key milestones
 - Provision of the output from DZS as indicated in Step b(vi) (1 month after short term measure date) **by 31 July 2016**
 - Provision of the programme of remediation work arising from DZS and criteria for benefit setting as indicated in Step b (viii) (1 month after medium term measure date) **by 31 January 2017**
 - Delivery of remediation identified in Step b (x) (1 month after completion of last scheme) **by 30 April 2019**
 - Initial completion report **by 30 October 2020**
- ii. Review the risk assessment for Z1089N15 as required by Regulation 28(4) and subsequently submit a revised Regulation 29 report (in accordance with Regulation 29(1)) from time to time; and **by 31 July 2019**
- iii. Submit a satisfactory completion report **by 29 October 2021**.

Please be aware that breach by the Company of this Notice may result in an enforcement notice, breach of which may itself attract a penalty

This Notice may be amended or revoked by notice from the Welsh Ministers at any time.

Signed by authority of the Welsh Ministers,



Milo Purcell

Deputy Chief Inspector

DWI ref DWR 3524

15 February 2016

Assets Affected	
Asset name	Asset reference
Cefn Mabley (no 1) SRV	R67166
Cefn Mabley (no 2) SRV	R67167
Llandegfedd works	T48498
Court Farm works	T320509



THE WATER SUPPLY (WATER QUALITY) REGULATIONS 2010

NOTICE UNDER REGULATION 29(4)

DŴR CYMRU WELSH WATER: Z2001B10 North Anglesey

Version Number: 1

Z2001B10 North Anglesey : Supply System Y8001 North Eryri/Ynys Mon

Improvement Programme Database Reference number – DWR 3525

THE WELSH MINISTERS:

1. have received a report from Dŵr Cymru Welsh Water (the “**Company**”) dated 11 March 2015 (the “**Report**”) which states that there is or has been a significant risk of supplying water from the North Anglesey zone that would constitute a potential danger to human health.
2. gives Notice that the Company is required, in order to mitigate the risk, in accordance with Regulation 29(4):

For risks associated with:

- Discolouration and associated customer acceptability due to the condition and operation of the network system

(a) to maintain the existing operational measures set out in the Report and as specified below:

- i. Regulatory sampling of water at Alaw works and at customers' taps
- ii. Monitoring, tracking and reporting customer contacts
- iii. Responding as required to any PCV failure or customer contact in line with company procedures. Carry out an investigation to determine the root cause of the failure and identify any remedial measures required to prevent a recurrence
- iv. Liaison with local and public health authorities as appropriate
- v. Review risk assessments for customer contacts and update regulation 29 report

(b) to review, revise and/or make operational such measures as are specified below, by the date specified below:

Short term measures

- vi. Complete Distribution zonal study (DZS) including formulating the methodology for mitigating discolouration risk in this zone **by 30 June 2016**
- vii. Ensure optimisation of Alaw works with 95 percentile less than 20% PCV **Ongoing**

Medium term measures

- viii. Confirmation of programme of work identified through the DZS following cost benefit for customer acceptability **by 31 December 2016**
- ix. Confirmation of success criteria for demonstration of benefit in delivering the proposed programme of work including commencement dates and timescale for demonstration of benefit **by 31 December 2016**

Long term measures

- x. Delivery of programme of work as identified through DZS in Step (b) viii above **by 31 March 2018**

(c) to audit whether the measures have been effective by such means as specified below:

- xi. Define a strategy for auditing the effectiveness of the above measures to include the following **by 29 February 2016**;
 - Monitoring of iron and manganese levels in samples taken from Alaw works
 - Implementation of enhanced sampling programme throughout the zone for Fe and Mn to 76 and 36 per year respectively
 - Review of customer contacts on quarterly basis to measure and monitor change and if necessary escalate remediation as appropriate
 - Drinking Water Safety Plan and regulation 29 reports updated in line with any new information arising
 - Review programme of work and delivery timescales to address priority areas of customer acceptability following updated information
 - Validate benefits delivered against benefits criteria set
 - Technical reports for preferred solutions where choices are available
 - Commissioning, completion and handover certificates for all work carried out in line with the programme as defined in step (b) viii
- xii. Implement the audit strategy outlined in (xi), keep under review, and resubmit when subject to change, until the revocation of this notice.

(d) NA

(e) to provide the following information in such time and manner as specified below to enable monitoring of progress:

- i. Provide a progress report annually by 31 January (to include progress against audit strategy in c) and at the following key milestones
 - Provision of the output from DZS as indicated in Step b(vi) (1 month after short term measure date) **by 31 July 2016**
 - Provision of the programme of remediation work arising from DZS and criteria for benefit setting as indicated in Step b (viii) (1 month after medium term measure date) **by 31 January 2017**
 - Delivery of remediation identified in Step b (x) (1 month after completion of last scheme) **by 30 April 2018**
 - Initial completion report **by 31 October 2019**
- ii. Review the risk assessment for Z2001B10 as required by Regulation 28(4) and subsequently submit a revised Regulation 29 report (in accordance with Regulation 29(1)) from time to time; and **by 31 July 2018**
- iii. Submit a satisfactory completion report **by 30 October 2020**.

Please be aware that breach by the Company of this Notice may result in an enforcement notice, breach of which may itself attract a penalty

This Notice may be amended or revoked by notice from the Welsh Ministers at any time.

Signed by authority of the Welsh Ministers,



Milo Purcell

Deputy Chief Inspector

DWI ref DWR 3525

15 February 2016

Assets Affected	
Asset name	Asset reference
Amlwch SRV	R645102
Carreglefn SRV	R645105
Cwm SRV	R645108
Gwalchmai SRV	R645109
Alaw works	T619812



THE WATER SUPPLY (WATER QUALITY) REGULATIONS 2010

NOTICE UNDER REGULATION 29(4)

DŴR CYMRU WELSH WATER: Z2007B14 Lleyn

Version Number: 1

Z2007B14 Lleyn : Supply System Y8034 Lleyn / Harlech

Improvement Programme Database Reference number – DWR 3526

THE WELSH MINISTERS:

1. have received a report from Dŵr Cymru Welsh Water (the “**Company**”) dated 7 March 2015 (the “**Report**”) which states that there is or has been a significant risk of supplying water from the Lleyn zone that would constitute a potential danger to human health.
2. gives Notice that the Company is required, in order to mitigate the risk, in accordance with Regulation 29(4):

For risks associated with:

- Discolouration and associated customer acceptability due to the condition and operation of the network system

(a) to maintain the existing operational measures set out in the Report and as specified below:

- i. Regulatory sampling of water at Dolbenmaen, Cwm Dulyn and Cilfor works and at customers' taps
- ii. Monitoring, tracking and reporting customer contacts
- iii. Responding as required to any PCV failure or customer contact in line with company procedures. Carry out an investigation to determine the root cause of the failure and identify any remedial measures required to prevent a recurrence
- iv. Liaison with local and public health authorities as appropriate
- v. Review risk assessments for customer contacts and update regulation 29 report

(b) to review, revise and/or make operational such measures as are specified below, by the date specified below:

Short term measures

- vi. Complete Distribution zonal study (DZS) including formulating the methodology for mitigating discolouration risk in this zone **by 30 June 2016**
- vii. Ensure optimisation of Dolbenmaen , Cwm Dulyn and Cilfor works with 95 percentile less than 20% PCV **Ongoing**

Medium term measures

- viii. Confirmation of programme of work identified through the DZS following cost benefit for customer acceptability **by 31 July 2018**
- ix. Confirmation of success criteria for demonstration of benefit in delivering the proposed programme of work including commencement dates and timescale for demonstration of benefit **by 31 July 2018**

Long term measures

- x. Delivery of programme of work as identified through DZS in Step (b) viii above **by 31 March 2025**

(c) to audit whether the measures have been effective by such means as specified below:

- xi. Define a strategy for auditing the effectiveness of the above measures to include the following **by 29 February 2016**;
 - Monitoring of iron and manganese levels in samples taken from Dolbenmaen, Cwm Dulyn and Cilfor works
 - Implementation of enhanced sampling programme throughout the zone for Fe and Mn to 24 per year
 - Review of customer contacts on quarterly basis to measure and monitor change and if necessary escalate remediation as appropriate
 - Drinking Water Safety Plan and regulation 29 reports updated in line with any new information arising
 - Review programme of work and delivery timescales to address priority areas of customer acceptability following updated information
 - Validate benefits delivered against benefits criteria set
 - Technical reports for preferred solutions where choices are available
 - Commissioning, completion and handover certificates for all work carried out in line with the programme as defined in step (b) viii
- xii. Implement the audit strategy outlined in (xi), keep under review, and resubmit when subject to change, until the revocation of this notice.

(d) NA**(e) to provide the following information in such time and manner as specified below to enable monitoring of progress:**

- i. Provide a progress report annually by 31 January (to include progress against audit strategy in c) and at the following key milestones
 - Provision of the output from DZS as indicated in Step b(vi) (1 month after short term measure date) **by 31 July 2016**
 - Provision of the programme of remediation work arising from DZS and criteria for benefit setting as indicated in Step b (viii) (1 month after medium term measure date) **by 31 August 2018**
 - Delivery of remediation identified in Step b (x) (1 month after completion of last scheme) **by 30 April 2025**
 - Initial completion report **by 30 October 2026**
- ii. Review the risk assessment for Z2007B14 as required by Regulation 28(4) and subsequently submit a revised Regulation 29 report (in accordance with Regulation 29(1)) from time to time; and **by 31 July 2025**
- iii. Submit a satisfactory completion report **by 29 October 2027**.

Please be aware that breach by the Company of this Notice may result in an enforcement notice, breach of which may itself attract a penalty

This Notice may be amended or revoked by notice from the Welsh Ministers at any time.

Signed by authority of the Welsh Ministers,



Milo Purcell

Deputy Chief Inspector

DWI ref DWR 3526

15 February 2016

Assets Affected	
Asset name	Asset reference
Beudy Mawr SRV	R645003
Coed y Fron SRV	R645016
Garn Fadryn SRV	R645025
Llanaelhaearn SRV	R645368
Llithfaen SRV	R645032
Moel y Penmaen SRV	R645034
Nefyn SRV	R645042
Portmadog SRV	R645363
Rhiw SRV	R645046
Rhyd SRV	R645386
Saethon Fawr SRV	R645057
Sychnant SRV	R645051
Ty Croes SRV	R645062
Yokehouse SRV	R645058
Dolbenmaen works	T642122
Cwm Dulyn works	T628512
Cilfor works	T641622



THE WATER SUPPLY (WATER QUALITY) REGULATIONS 2010

NOTICE UNDER REGULATION 29(4)

DŴR CYMRU WELSH WATER: Z2021B28 Aberdyfi / Tywyn (Bryncrug)

Version Number: 1

Z2021B28 Aberdyfi / Tywyn (Bryncrug) : Supply System Y8021 Tywyn/Aberdyfi

Improvement Programme Database Reference number – DWR 3527

THE WELSH MINISTERS:

1. have received a report from Dŵr Cymru Welsh Water (the “**Company**”) dated 6 March 2015 (the “**Report**”) which states that there is or has been a significant risk of supplying water from the Aberdyfi / Tywyn (Bryncrug) zone that would constitute a potential danger to human health.
2. gives Notice that the Company is required, in order to mitigate the risk, in accordance with Regulation 29(4):

For risks associated with:

- Discolouration and associated customer acceptability due to the condition and operation of the network system

(a) to maintain the existing operational measures set out in the Report and as specified below:

- i. Regulatory sampling of water at Pen Y Bont works and at customers' taps
- ii. Monitoring, tracking and reporting customer contacts
- iii. Responding as required to any PCV failure or customer contact in line with company procedures. Carry out an investigation to determine the root cause of the failure and identify any remedial measures required to prevent a recurrence
- iv. Liaison with local and public health authorities as appropriate
- v. Review risk assessments for customer contacts and update regulation 29 report

(b) to review, revise and/or make operational such measures as are specified below, by the date specified below:

Short term measures

- vi. Ensure optimisation of Pen Y Bont works with 95 percentile less than 20% PCV **Ongoing**

Medium term measures

- vii. Downsize and replacement of 3.5km of Brynchrug 9" trunk mains **by 31 March 2018**

(c) to audit whether the measures have been effective by such means as specified below:

- viii. Define a strategy for auditing the effectiveness of the above measures to include the following **by 29 February 2016**;
- Monitoring of iron and manganese levels in samples taken from Pen Y Bont works
 - Implementation of enhanced sampling programme throughout the zone for Fe and Mn to 8 per year
 - Review of customer contacts on quarterly basis to measure and monitor change and if necessary escalate remediation as appropriate
 - Drinking Water Safety Plan and regulation 29 reports updated in line with any new information arising
 - Review programme of work and delivery timescales to address priority areas of customer acceptability following updated information
 - Validate benefits delivered against benefits criteria set
 - Technical reports for preferred solutions where choices are available
 - Commissioning, completion and handover certificates for all work carried out in line with the programme as defined in step (b) viii
- ix. Implement the audit strategy outlined in (viii), keep under review, and resubmit when subject to change, until the revocation of this notice.

(d) NA**(e) to provide the following information in such time and manner as specified below to enable monitoring of progress:**

- i. Provide a progress report annually by 31 January (to include progress against audit strategy in c) and at the following key milestones
- Delivery of mains replacement in Step b (vii) (1 month after completion of medium term measure) **by 30 April 2018**
- ii. Review the risk assessment for Z2021B28 as required by Regulation 28(4) and subsequently submit a revised Regulation 29 report (in accordance with Regulation 29(1)) from time to time; and **by 29 June 2018**

- iii. Submit a satisfactory completion report **by 30 April 2019**.

Please be aware that breach by the Company of this Notice may result in an enforcement notice, breach of which may itself attract a penalty

This Notice may be amended or revoked by notice from the Welsh Ministers at any time.

Signed by authority of the Welsh Ministers,

A handwritten signature in black ink that reads "Milo Purcell". The signature is written in a cursive, slightly slanted style.

Milo Purcell

Deputy Chief Inspector

DWI ref DWR 3527

15 February 2016

Assets Affected	
Asset name	Asset reference
Gwelfor Rd SRV	R645330
Mynydd Buchan SRV	R645342
Pen Y Bont works	T604612



THE WATER SUPPLY (WATER QUALITY) REGULATIONS 2010

NOTICE UNDER REGULATION 29(4)

DŴR CYMRU WELSH WATER: Z2023D10 Bontgoch Supply

Version Number: 1

Z2023D10 Bontgoch Supply : Supply System Y8203 North Ceredigion

Improvement Programme Database Reference number – DWR 3528

THE WELSH MINISTERS:

1. have received a report from Dŵr Cymru Welsh Water (the “**Company**”) dated 6 March 2015 (the “**Report**”) which states that there is or has been a significant risk of supplying water from the Bontgoch Supply zone that would constitute a potential danger to human health.
2. gives Notice that the Company is required, in order to mitigate the risk, in accordance with Regulation 29(4):

For risks associated with:

- Discolouration and associated customer acceptability due to the condition and operation of the network system

(a) to maintain the existing operational measures set out in the Report and as specified below:

- i. Regulatory sampling of water at Bontgoch water treatment works and at customers' taps
- ii. Monitoring, tracking and reporting customer contacts
- iii. Responding as required to any PCV failure or customer contact in line with company procedures. Carry out an investigation to determine the root cause of the failure and identify any remedial measures required to prevent a recurrence
- iv. Liaison with local and public health authorities as appropriate
- v. Review risk assessments for customer contacts and update regulation 29 report

(b) to review, revise and/or make operational such measures as are specified below, by the date specified below:

Short term measures

- vi. Complete Distribution zonal study (DZS) including formulating the methodology for mitigating discolouration risk in this zone **by 30 June 2016**
- vii. Ensure optimisation of Bontgoch works with 95 percentile less than 20% PCV **Ongoing**

Medium term measures

- viii. Confirmation of programme of work identified through the DZS following cost benefit for customer acceptability **by 31 July 2018**
- ix. Confirmation of success criteria for demonstration of benefit in delivering the proposed programme of work including commencement dates and timescale for demonstration of benefit **by 31 July 2018**

Long term measures

- x. Delivery of programme of work as identified through DZS in Step (b) viii above **by 31 March 2025**

(c) to audit whether the measures have been effective by such means as specified below:

- xi. Define a strategy for auditing the effectiveness of the above measures to include the following **by 29 February 2016**;
 - Monitoring of iron and manganese levels in samples taken from Bontgoch works
 - Implementation of enhanced sampling programme throughout the zone for Fe and Mn to 24 per year
 - Review of customer contacts on quarterly basis to measure and monitor change and if necessary escalate remediation as appropriate
 - Drinking Water Safety Plan and regulation 29 reports updated in line with any new information arising
 - Review programme of work and delivery timescales to address priority areas of customer acceptability following updated information
 - Validate benefits delivered against benefits criteria set
 - Technical reports for preferred solutions where choices are available
 - Commissioning, completion and handover certificates for all work carried out in line with the programme as defined in step (b) viii
- xii. Implement the audit strategy outlined in (xi), keep under review, and resubmit when subject to change, until the revocation of this notice.

(d) NA**(e) to provide the following information in such time and manner as specified below to enable monitoring of progress:**

- i. Provide a progress report annually by 31 January (to include progress against audit strategy in c) and at the following key milestones
 - Provision of the output from DZS as indicated in Step b(vi) (1 month after short term measure date) **by 31 July 2016**
 - Provision of the programme of remediation work arising from DZS and criteria for benefit setting as indicated in Step b (viii) (1 month after medium term measure date) **by 31 August 2018**
 - Delivery of remediation identified in Step b (x) (1 month after completion of last scheme) **by 30 April 2025**
 - Initial completion report **by 30 October 2026**
- ii. Review the risk assessment for Z2023D10 as required by Regulation 28(4) and subsequently submit a revised Regulation 29 report (in accordance with Regulation 29(1)) from time to time; and **by 31 July 2025**
- iii. Submit a satisfactory completion report **by 29 October 2027**.

Please be aware that breach by the Company of this Notice may result in an enforcement notice, breach of which may itself attract a penalty

This Notice may be amended or revoked by notice from the Welsh Ministers at any time.

Signed by authority of the Welsh Ministers,



Milo Purcell

Deputy Chief Inspector

DWI ref DWR 3528

15 February 2016

Assets Affected	
Asset name	Asset reference
Hengaer SRV	R125006
Capel Seion SRV	R125018
Banc y Darren SRV	R125008
Frongoch SRV	R125010
Borth SRV	R125002
Bontgoch SRV	R125204
Coed y Garth SRV	R125206
Banc Llanafan SRV	R125026
Bontgoch works	T121400



THE WATER SUPPLY (WATER QUALITY) REGULATIONS 2010

NOTICE UNDER REGULATION 29(4)

DŴR CYMRU WELSH WATER: Z2023D12 Aberystwyth(Bontgoch/Lovesgrove)

Version Number: 1

Z2023D12 Aberystwyth(Bontgoch/Lovesgrove) : Supply System Y8023 North Ceredigion

Improvement Programme Database Reference number – DWR 3529

THE WELSH MINISTERS:

1. have received a report from Dŵr Cymru Welsh Water (the “**Company**”) dated 6 March 2015 (the “**Report**”) which states that there is or has been a significant risk of supplying water from the Aberystwyth (Bontgoch/Lovesgrove) zone that would constitute a potential danger to human health.
2. gives Notice that the Company is required, in order to mitigate the risk, in accordance with Regulation 29(4):

For risks associated with:

- Discolouration and associated customer acceptability due to the condition and operation of the network system

(a) to maintain the existing operational measures set out in the Report and as specified below:

- i. Regulatory sampling of water at Bontgoch and Cefnllan works and at customers' taps
- ii. Monitoring, tracking and reporting customer contacts
- iii. Responding as required to any PCV failure or customer contact in line with company procedures. Carry out an investigation to determine the root cause of the failure and identify any remedial measures required to prevent a recurrence
- iv. Liaison with local and public health authorities as appropriate
- v. Review risk assessments for customer contacts and update regulation 29 report

(b) to review, revise and/or make operational such measures as are specified below, by the date specified below:

Short term measures

- vi. Complete Distribution zonal study (DZS) including formulating the methodology for mitigating discolouration risk in this zone **by 30 June 2016**
- vii. Ensure optimisation of Bontgoch and Cefnllan works with 95 percentile less than 20% PCV **Ongoing**

Medium term measures

- viii. Confirmation of programme of work identified through the DZS following cost benefit for customer acceptability **by 31 July 2018**
- ix. Confirmation of success criteria for demonstration of benefit in delivering the proposed programme of work including commencement dates and timescale for demonstration of benefit **by 31 31 July 2018**

Long term measures

- x. Delivery of programme of work as identified through DZS in Step (b) viii above **by 31 March 2025**

(c) to audit whether the measures have been effective by such means as specified below:

- xi. Define a strategy for auditing the effectiveness of the above measures to include the following **by 29 February 2016**;
 - Monitoring of iron and manganese levels in samples taken from Bontgoch and Cefnllan works
 - Implementation of enhanced sampling programme throughout the zone for Fe and Mn to 24 and 48 per year respectively
 - Review of customer contacts on quarterly basis to measure and monitor change and if necessary escalate remediation as appropriate
 - Drinking Water Safety Plan and regulation 29 reports updated in line with any new information arising
 - Review programme of work and delivery timescales to address priority areas of customer acceptability following updated information
 - Validate benefits delivered against benefits criteria set
 - Technical reports for preferred solutions where choices are available
 - Commissioning, completion and handover certificates for all work carried out in line with the programme as defined in step (b) viii
- xii. Implement the audit strategy outlined in (xi), keep under review, and resubmit when subject to change, until the revocation of this notice.

(d) NA

(e) to provide the following information in such time and manner as specified below to enable monitoring of progress:

- i. Provide a progress report annually by 31 January (to include progress against audit strategy in c) and at the following key milestones
 - Provision of the output from DZS as indicated in Step b(vi) (1 month after short term measure date) **by 31 July 2017**
 - Provision of the programme of remediation work arising from DZS and criteria for benefit setting as indicated in Step b (viii) (1 month after medium term measure date) **by 31 August 2018**
 - Delivery of remediation identified in Step b (x) (1 month after completion of last scheme) **by 30 April 2025**
 - Initial completion report **by 30 October 2026**
- ii. Review the risk assessment for Z2023D12 as required by Regulation 28(4) and subsequently submit a revised Regulation 29 report (in accordance with Regulation 29(1)) from time to time; and **by 31 July 2025**
- iii. Submit a satisfactory completion report **by 29 October 2027**.

Please be aware that breach by the Company of this Notice may result in an enforcement notice, breach of which may itself attract a penalty

This Notice may be amended or revoked by notice from the Welsh Ministers at any time.

Signed by authority of the Welsh Ministers,



Milo Purcell

Deputy Chief Inspector

DWI ref DWR 3529

15 February 2016

Assets Affected	
Asset name	Asset reference
Bont Goch	T121400
Cefnllan	T125012



THE WATER SUPPLY (WATER QUALITY) REGULATIONS 2010

NOTICE UNDER REGULATION 29(4)

DŴR CYMRU WELSH WATER: Z2025D24 Llechryd

Version Number: 1

Z2025D24 Llechryd : Supply System Y8202 Mid Ceredigion

Improvement Programme Database Reference number – DWR 3530

THE WELSH MINISTERS:

1. have received a report from Dŵr Cymru Welsh Water (the “**Company**”) dated 7 March 2015 (the “**Report**”) which states that there is or has been a significant risk of supplying water from the Llechryd zone that would constitute a potential danger to human health.
2. gives Notice that the Company is required, in order to mitigate the risk, in accordance with Regulation 29(4):

For risks associated with:

- Discolouration and associated customer acceptability due to the condition and operation of the network system

(a) to maintain the existing operational measures set out in the Report and as specified below:

- i. Regulatory sampling of water at Llechryd works and at customers' taps
- ii. Monitoring, tracking and reporting customer contacts
- iii. Responding as required to any PCV failure or customer contact in line with company procedures. Carry out an investigation to determine the root cause of the failure and identify any remedial measures required to prevent a recurrence
- iv. Liaison with local and public health authorities as appropriate
- v. Review risk assessments for customer contacts and update regulation 29 report

(b) to review, revise and/or make operational such measures as are specified below, by the date specified below:

Short term measures

- vi. Complete Distribution zonal study (DZS) including formulating the methodology for mitigating discolouration risk in this zone **by 30 June 2016**
- vii. Ensure optimisation of Llechryd works with 95 percentile less than 20% PCV **Ongoing**

Medium term measures

- viii. Confirmation of programme of work identified through the DZS following cost benefit for customer acceptability **by 31 December 2016**
- ix. Confirmation of success criteria for demonstration of benefit in delivering the proposed programme of work including commencement dates and timescale for demonstration of benefit **by 31 December 2016**

Long term measures

- x. Delivery of programme of work as identified through DZS in Step (b) viii above **by 31 March 2017**

(c) to audit whether the measures have been effective by such means as specified below:

- xi. Define a strategy for auditing the effectiveness of the above measures to include the following **by 29 February 2016**;
 - Monitoring of iron and manganese levels in samples taken from Llechryd works
 - Implementation of enhanced sampling programme throughout the zone for Fe and Mn to 76 and 36 per year respectively
 - Review of customer contacts on quarterly basis to measure and monitor change and if necessary escalate remediation as appropriate
 - Drinking Water Safety Plan and regulation 29 reports updated in line with any new information arising
 - Review programme of work and delivery timescales to address priority areas of customer acceptability following updated information
 - Validate benefits delivered against benefits criteria set
 - Technical reports for preferred solutions where choices are available
 - Commissioning, completion and handover certificates for all work carried out in line with the programme as defined in step (b) viii
- xii. Implement the audit strategy outlined in (xi), keep under review, and resubmit when subject to change, until the revocation of this notice.

(d) NA

(e) to provide the following information in such time and manner as specified below to enable monitoring of progress:

- i. Provide a progress report annually by 31 January (to include progress against audit strategy in c) and at the following key milestones
 - Provision of the output from DZS as indicated in Step b(vi) (1 month after short term measure date) **by 31 July 2016**
 - Provision of the programme of remediation work arising from DZS and criteria for benefit setting as indicated in Step b (viii) (1 month after medium term measure date) **by 31 January 2017**
 - Delivery of remediation identified in Step b (x) (1 month after completion of last scheme) **by 28 April 2017**
 - Initial completion report **by 30 October 2018**
- ii. Review the risk assessment for Z2025D24 as required by Regulation 28(4) and subsequently submit a revised Regulation 29 report (in accordance with Regulation 29(1)) from time to time; and **by 31 July 2017**
- iii. Submit a satisfactory completion report **by 31 October 2019**.

Please be aware that breach by the Company of this Notice may result in an enforcement notice, breach of which may itself attract a penalty

This Notice may be amended or revoked by notice from the Welsh Ministers at any time.

Signed by authority of the Welsh Ministers,



Milo Purcell

Deputy Chief Inspector

DWI ref DWR 3530

15 February 2016

Assets Affected	
Asset name	Asset reference
Aberbanc SRV	R125210
Cardigan SRV	R125112
Crugian SRV	R124142
Gorllwyn SRV	R125168
Hafod SRV	R125108
Mynyddcrogwy SRV	R124178
Penparc SRV	R125104
Rhosymryson SRV	R125088
Synod Inn SRV	R125102
Lechryd works	T121997



THE WATER SUPPLY (WATER QUALITY) REGULATIONS 2010

NOTICE UNDER REGULATION 29(4)

DŴR CYMRU WELSH WATER: Z2027P22 Bolton Hill

Version Number: 1

Z2027P22 Bolton Hill : Supply System Y8204 South Pembrokeshire

Improvement Programme Database Reference number – DWR 3531

THE WELSH MINISTERS:

1. have received a report from Dŵr Cymru Welsh Water (the “**Company**”) dated 6 March 2015 (the “**Report**”) which states that there is or has been a significant risk of supplying water from the Bolton Hill zone that would constitute a potential danger to human health.
2. gives Notice that the Company is required, in order to mitigate the risk, in accordance with Regulation 29(4):

For risks associated with:

- Discolouration and associated customer acceptability due to the condition and operation of the network system

(a) to maintain the existing operational measures set out in the Report and as specified below:

- i. Regulatory sampling of water at Bolton Hill works and at customers' taps
- ii. Monitoring, tracking and reporting customer contacts
- iii. Responding as required to any PCV failure or customer contact in line with company procedures. Carry out an investigation to determine the root cause of the failure and identify any remedial measures required to prevent a recurrence
- iv. Liaison with local and public health authorities as appropriate
- v. Review risk assessments for customer contacts and update regulation 29 report

(b) to review, revise and/or make operational such measures as are specified below, by the date specified below:

Short term measures

- vi. Complete Distribution zonal study (DZS) including formulating the methodology for mitigating discolouration risk in this zone **by 30 June 2016**
- vii. Ensure optimisation of Bolton Hill works with 95 percentile less than 20% PCV **Ongoing**

Medium term measures

- viii. Confirmation of programme of work identified through the DZS following cost benefit for customer acceptability **by 31 December 2016**
- ix. Confirmation of success criteria for demonstration of benefit in delivering the proposed programme of work including commencement dates and timescale for demonstration of benefit **by 31 December 2016**

Long term measures

- x. Delivery of programme of work as identified through DZS in Step (b) viii above **by 31 March 2018**

(c) to audit whether the measures have been effective by such means as specified below:

- xi. Define a strategy for auditing the effectiveness of the above measures to include the following **by 29 February 2016**;
 - Monitoring of iron and manganese levels in samples taken from Bolton Hill works
 - Implementation of enhanced sampling programme throughout the zone for Fe and Mn to 104 and 76 per year respectively
 - Review of customer contacts on quarterly basis to measure and monitor change and if necessary escalate remediation as appropriate
 - Drinking Water Safety Plan and regulation 29 reports updated in line with any new information arising
 - Review programme of work and delivery timescales to address priority areas of customer acceptability following updated information
 - Validate benefits delivered against benefits criteria set
 - Technical reports for preferred solutions where choices are available
 - Commissioning, completion and handover certificates for all work carried out in line with the programme as defined in step (b) viii
- xii. Implement the audit strategy outlined in (xi), keep under review, and resubmit when subject to change, until the revocation of this notice.

(d) NA

(e) to provide the following information in such time and manner as specified below to enable monitoring of progress:

- i. Provide a progress report annually by 31 January (to include progress against audit strategy in c) and at the following key milestones
 - Provision of the output from DZS as indicated in Step b(vi) (1 month after short term measure date) **by 31 July 2016**
 - Provision of the programme of remediation work arising from DZS and criteria for benefit setting as indicated in Step b (viii) (1 month after medium term measure date) **by 31 January 2017**
 - Delivery of remediation identified in Step b (x) (1 month after completion of last scheme) **by 30 April 2018**
 - Initial completion report **by 30 October 2019**
- ii. Review the risk assessment for Z2027P22 as required by Regulation 28(4) and subsequently submit a revised Regulation 29 report (in accordance with Regulation 29(1)) from time to time; and **by 31 July 2018**
- iii. Submit a satisfactory completion report **by 30 October 2020**.

Please be aware that breach by the Company of this Notice may result in an enforcement notice, breach of which may itself attract a penalty

This Notice may be amended or revoked by notice from the Welsh Ministers at any time.

Signed by authority of the Welsh Ministers,



Milo Purcell

Deputy Chief Inspector

DWI ref DWR 3531

15 February 2016

Assets Affected	
Asset name	Asset reference
Neyland SRV	R124054
Norchard Beacon SRV	R124106
Orielton SRV	R124064
Pentlepoir SRV	R124130
Stephen's Green SRV	R124084
Tavernspite SRV	R124150
Templeton SRV	R124211
Tenby Narbeth Rd SRV	R124132
Wogaston SRV	R124034
Preseli Supply	Z2026P18
Bolton Hill	T120030



THE WATER SUPPLY (WATER QUALITY) REGULATIONS 2010

NOTICE UNDER REGULATION 29(4)

DŴR CYMRU WELSH WATER: Z2031G28 Bryngwyn

Version Number: 1

Z2031G28 Bryngwyn : Supply System Y8201 Tywi

Improvement Programme Database Reference number – DWR 3532

THE WELSH MINISTERS:

1. have received a report from Dŵr Cymru Welsh Water (the “**Company**”) dated 6 March 2015 (the “**Report**”) which states that there is or has been a significant risk of supplying water from the Bryngwyn zone that would constitute a potential danger to human health.
2. gives Notice that the Company is required, in order to mitigate the risk, in accordance with Regulation 29(4):

For risks associated with:

- Discolouration and associated customer acceptability due to the condition and operation of the network system

(a) to maintain the existing operational measures set out in the Report and as specified below:

- i. Regulatory sampling of water at Bryngwyn works and at customers' taps
- ii. Monitoring, tracking and reporting customer contacts
- iii. Responding as required to any PCV failure or customer contact in line with company procedures. Carry out an investigation to determine the root cause of the failure and identify any remedial measures required to prevent a recurrence
- iv. Liaison with local and public health authorities as appropriate
- v. Review risk assessments for customer contacts and update regulation 29 report

(b) to review, revise and/or make operational such measures as are specified below, by the date specified below:

Short term measures

- vi. Complete Distribution zonal study (DZS) including formulating the methodology for mitigating discolouration risk in this zone **by 30 June 2016**
- vii. Ensure optimisation of Bryngwyn works with 95 percentile less than 20% PCV **Ongoing**

Medium term measures

- viii. Confirmation of programme of work identified through the DZS following cost benefit for customer acceptability **by 31 December 2016**
- ix. Confirmation of success criteria for demonstration of benefit in delivering the proposed programme of work including commencement dates and timescale for demonstration of benefit **by 31 December 2016**

Long term measures

- x. Delivery of programme of work as identified through DZS in Step (b) viii above **by 31 March 2019**

(c) to audit whether the measures have been effective by such means as specified below:

- xi. Define a strategy for auditing the effectiveness of the above measures to include the following **by 29 February 2016**;
 - Monitoring of iron and manganese levels in samples taken from Bryngwyn works
 - Implementation of enhanced sampling programme throughout the zone for Fe and Mn to 104 and 52 per year respectively
 - Review of customer contacts on quarterly basis to measure and monitor change and if necessary escalate remediation as appropriate
 - Drinking Water Safety Plan and regulation 29 reports updated in line with any new information arising
 - Review programme of work and delivery timescales to address priority areas of customer acceptability following updated information
 - Validate benefits delivered against benefits criteria set
 - Technical reports for preferred solutions where choices are available
 - Commissioning, completion and handover certificates for all work carried out in line with the programme as defined in step (b) viii
- xii. Implement the audit strategy outlined in (xi), keep under review, and resubmit when subject to change, until the revocation of this notice.

(d) NA

(e) to provide the following information in such time and manner as specified below to enable monitoring of progress:

- i. Provide a progress report annually by 31 January (to include progress against audit strategy in c) and at the following key milestones
 - Provision of the output from DZS as indicated in Step b(vi) (1 month after short term measure date) **by 31 July 2016**
 - Provision of the programme of remediation work arising from DZS and criteria for benefit setting as indicated in Step b (viii) (1 month after medium term measure date) **by 31 January 2017**
 - Delivery of remediation identified in Step b (x) (1 month after completion of last scheme) **by 30 April 2019**
 - Initial completion report **by 30 October 2020**
- ii. Review the risk assessment for Z2031G28 as required by Regulation 28(4) and subsequently submit a revised Regulation 29 report (in accordance with Regulation 29(1)) from time to time; and **by 31 July 2019**
- iii. Submit a satisfactory completion report **by 29 October 2021**.

Please be aware that breach by the Company of this Notice may result in an enforcement notice, breach of which may itself attract a penalty

This Notice may be amended or revoked by notice from the Welsh Ministers at any time.

Signed by authority of the Welsh Ministers,



Milo Purcell

Deputy Chief Inspector

DWI ref DWR 3532

15 February 2016

Assets Affected	
Asset name	Asset reference
Bryngwyn SRV	R77023
Carn Powell SRV	R79146
Llannon SRV	R77209
Betws No 1 SRV	R77013
Garn SRV	R77146
Glyndraenog SRV	R79050
Gorsedd SRV	R77167
Graig Fawr SRV	R79006
Waterloo SRV	R77358
Bryngwyn works	T77092



THE WATER SUPPLY (WATER QUALITY) REGULATIONS 2010

NOTICE UNDER REGULATION 29(4)

DŴR CYMRU WELSH WATER: Z2054H24 Llyswen

Version Number: 1

Z2054H24 Llyswen : Supply System Y8105 Llyswen

Improvement Programme Database Reference number – DWR 35133

THE WELSH MINISTERS:

1. have received a report from Dŵr Cymru Welsh Water (the “**Company**”) dated 7 March 2015 (the “**Report**”) which states that there is or has been a significant risk of supplying water from the Llyswen zone that would constitute a potential danger to human health.
2. gives Notice that the Company is required, in order to mitigate the risk, in accordance with Regulation 29(4):

For risks associated with:

- Discolouration and associated customer acceptability due to the condition and operation of the network system

(a) to maintain the existing operational measures set out in the Report and as specified below:

- i. Regulatory sampling of water at Llyswen works and at customers' taps
- ii. Monitoring, tracking and reporting customer contacts
- iii. Responding as required to any PCV failure or customer contact in line with company procedures. Carry out an investigation to determine the root cause of the failure and identify any remedial measures required to prevent a recurrence
- iv. Liaison with local and public health authorities as appropriate
- v. Review risk assessments for customer contacts and update regulation 29 report

(b) to review, revise and/or make operational such measures as are specified below, by the date specified below:

Short term measures

- vi. Completion of hydraulic model of network system **by 31 March 2016**
- vii. Ensure optimisation of Llyswen works with 95 percentile less than 20% PCV **Ongoing**

Medium term measures

- viii. Confirmation of programme of work identified through the model following cost benefit for customer acceptability **by 31 December 2016**
- ix. Confirmation of success criteria for demonstration of benefit in delivering the proposed programme of work including commencement dates and timescale for demonstration of benefit **by 31 December 2016**

Long term measures

- x. Delivery of programme of work as identified through DZS in Step (b) viii above **by 31 March 2020**

(c) to audit whether the measures have been effective by such means as specified below:

- xi. Define a strategy for auditing the effectiveness of the above measures to include the following **by 29 February 2016**;
 - Monitoring of iron and manganese levels in samples taken from Llyswen works
 - Implementation of enhanced sampling programme throughout the zone for Fe and Mn to 24 and 12 per year respectively
 - Review of customer contacts on quarterly basis to measure and monitor change and if necessary escalate remediation as appropriate
 - Drinking Water Safety Plan and regulation 29 reports updated in line with any new information arising
 - Review programme of work and delivery timescales to address priority areas of customer acceptability following updated information
 - Validate benefits delivered against benefits criteria set
 - Technical reports for preferred solutions where choices are available
 - Commissioning, completion and handover certificates for all work carried out in line with the programme as defined in step (b) viii
- xii. Implement the audit strategy outlined in (xi), keep under review, and resubmit when subject to change, until the revocation of this notice.

(d) NA**(e) to provide the following information in such time and manner as specified below to enable monitoring of progress:**

- i. Provide a progress report annually by 31 January (to include progress against audit strategy in c) and at the following key milestones
 - Provision of the model as indicated in Step b(vi) (1 month after short term measure date) **by 29 April 2016**
 - Provision of the programme of remediation work arising from model and criteria for benefit setting as indicated in Step b (viii) (1 month after medium term measure date) **by 31 January 2017**
 - Delivery of remediation identified in Step b (x) (1 month after completion of last scheme) **by 30 April 2020**
 - Initial completion report **by 29 October 2021**
- ii. Review the risk assessment for Z2054H24 as required by Regulation 28(4) and subsequently submit a revised Regulation 29 report (in accordance with Regulation 29(1)) from time to time; and **by 30 June 2020**
- iii. Submit a satisfactory completion report **by 31 October 2022**.

Please be aware that breach by the Company of this Notice may result in an enforcement notice, breach of which may itself attract a penalty

This Notice may be amended or revoked by notice from the Welsh Ministers at any time.

Signed by authority of the Welsh Ministers,



Milo Purcell

Deputy Chief Inspector

DWI ref DWR 3533

15 February 2016

Assets Affected	
Asset name	Asset reference
Dorstone SRV	R54199
Genfordd Isaf SRV	R54292
Llanigon SRV	R54432
Llanstephan SRV	R54438
Llyswen works	T54452



THE WATER SUPPLY (WATER QUALITY) REGULATIONS 2010

NOTICE UNDER REGULATION 29(4)

DŴR CYMRU WELSH WATER: Z2058H52 Hereford North

Version Number: 1

Z2058H52 Hereford North : Supply System Y8103 Hereford

Improvement Programme Database Reference number – DWR 3534

THE WELSH MINISTERS:

1. have received a report from Dŵr Cymru Welsh Water (the “**Company**”) dated 7 March 2015 (the “**Report**”) which states that there is or has been a significant risk of supplying water from the Hereford North zone that would constitute a potential danger to human health.
2. gives Notice that the Company is required, in order to mitigate the risk, in accordance with Regulation 29(4):

For risks associated with:

- Discolouration and associated customer acceptability due to the condition and operation of the network system

(a) to maintain the existing operational measures set out in the Report and as specified below:

- i. Regulatory sampling of water at Broomy Hill works and at customers' taps
- ii. Monitoring, tracking and reporting customer contacts
- iii. Responding as required to any PCV failure or customer contact in line with company procedures. Carry out an investigation to determine the root cause of the failure and identify any remedial measures required to prevent a recurrence
- iv. Liaison with local and public health authorities as appropriate
- v. Review risk assessments for customer contacts and update regulation 29 report

(b) to review, revise and/or make operational such measures as are specified below, by the date specified below:

Short term measures

- vi. Complete Distribution zonal study (DZS) including formulating the methodology for mitigating discolouration risk in this zone **by 30 June 2016**
- vii. Ensure optimisation of Broomy Hill works with 95 percentile less than 20% PCV **Ongoing**

Medium term measures

- viii. Confirmation of programme of work identified through the DZS following cost benefit for customer acceptability **by 31 December 2016**
- ix. Confirmation of success criteria for demonstration of benefit in delivering the proposed programme of work including commencement dates and timescale for demonstration of benefit **by 31 December 2016**

Long term measures

- x. Delivery of programme of work as identified through DZS in Step (b) viii above **by 31 March 2019**

(c) to audit whether the measures have been effective by such means as specified below:

- xi. Define a strategy for auditing the effectiveness of the above measures to include the following **by 29 February 2016**;
 - Monitoring of iron and manganese levels in samples taken from Broomy Hill works
 - Implementation of enhanced sampling programme throughout the zone for Fe and Mn to 104 and 76 per year respectively
 - Review of customer contacts on quarterly basis to measure and monitor change and if necessary escalate remediation as appropriate
 - Drinking Water Safety Plan and regulation 29 reports updated in line with any new information arising
 - Review programme of work and delivery timescales to address priority areas of customer acceptability following updated information
 - Validate benefits delivered against benefits criteria set
 - Technical reports for preferred solutions where choices are available
 - Commissioning, completion and handover certificates for all work carried out in line with the programme as defined in step (b) viii
- xii. Implement the audit strategy outlined in (xi), keep under review, and resubmit when subject to change, until the revocation of this notice.

(d) NA

(e) to provide the following information in such time and manner as specified below to enable monitoring of progress:

- i. Provide a progress report annually by 31 January (to include progress against audit strategy in c) and at the following key milestones
 - Provision of the output from DZS as indicated in Step b(vi) (1 month after short term measure date) **by 31 July 2016**
 - Provision of the programme of remediation work arising from DZS and criteria for benefit setting as indicated in Step b (viii) (1 month after medium term measure date) **by 31 January 2017**
 - Delivery of remediation identified in Step b (x) (1 month after completion of last scheme) **by 30 April 2019**
 - Initial completion report **by 30 October 2020**
- ii. Review the risk assessment for Z2058H52 as required by Regulation 28(4) and subsequently submit a revised Regulation 29 report (in accordance with Regulation 29(1)) from time to time; and **by 31 July 2019**
- iii. Submit a satisfactory completion report **by 29 October 2021**.

Please be aware that breach by the Company of this Notice may result in an enforcement notice, breach of which may itself attract a penalty

This Notice may be amended or revoked by notice from the Welsh Ministers at any time.

Signed by authority of the Welsh Ministers,



Milo Purcell

Deputy Chief Inspector

DWI ref DWR 3534

15 February 2016

Assets Affected	
Asset name	Asset reference
Bewdley Bank SRV	R54034
Bradlow SRV	R54044
Dinmore SRV	R54188
Newlands SRV	R54522
Wellington Heath SRV	R54698
Weobley SRV	R54705
Westhide SRV	R54706
Broomy Hill	T54063



THE WATER SUPPLY (WATER QUALITY) REGULATIONS 2010

NOTICE UNDER REGULATION 29(4)

DŴR CYMRU WELSH WATER: Z2061H68 Whitbourne

Version Number: 1

Z2061H68 Whitbourne : Supply System Y8111 Whitbourne

Improvement Programme Database Reference number – DWR 3535

THE WELSH MINISTERS:

1. have received a report from Dŵr Cymru Welsh Water (the “**Company**”) dated 12 March 2015 (the “**Report**”) which states that there is or has been a significant risk of supplying water from the Whitbourne zone that would constitute a potential danger to human health.
2. gives Notice that the Company is required, in order to mitigate the risk, in accordance with Regulation 29(4):

For risks associated with:

- Discolouration and associated customer acceptability due to the condition and operation of the network system

(a) to maintain the existing operational measures set out in the Report and as specified below:

- i. Regulatory sampling of water at Whitbourne works and at customers' taps
- ii. Monitoring, tracking and reporting customer contacts
- iii. Responding as required to any PCV failure or customer contact in line with company procedures. Carry out an investigation to determine the root cause of the failure and identify any remedial measures required to prevent a recurrence
- iv. Liaison with local and public health authorities as appropriate
- v. Review risk assessments for customer contacts and update regulation 29 report

(b) to review, revise and/or make operational such measures as are specified below, by the date specified below:

Short term measures

- vi. Complete Distribution zonal study (DZS) including formulating the methodology for mitigating discolouration risk in this zone **by 30 June 2016**
- vii. Ensure optimisation of Whitbourne works with 95 percentile less than 20% PCV **Ongoing**

Medium term measures

- viii. Confirmation of programme of work identified through the DZS following cost benefit for customer acceptability **by 31 December 2016**
- ix. Confirmation of success criteria for demonstration of benefit in delivering the proposed programme of work including commencement dates and timescale for demonstration of benefit **by 31 December 2016**

Long term measures

- x. Delivery of programme of work as identified through DZS in Step (b) viii above **by 31 March 2017**

(c) to audit whether the measures have been effective by such means as specified below:

- xi. Define a strategy for auditing the effectiveness of the above measures to include the following **by 29 February 2016**;
 - Monitoring of iron and manganese levels in samples taken from Whitbourne works
 - Implementation of enhanced sampling programme throughout the zone for Fe and Mn to 48 and 24 per year respectively
 - Review of customer contacts on quarterly basis to measure and monitor change and if necessary escalate remediation as appropriate
 - Drinking Water Safety Plan and regulation 29 reports updated in line with any new information arising
 - Review programme of work and delivery timescales to address priority areas of customer acceptability following updated information
 - Validate benefits delivered against benefits criteria set
 - Technical reports for preferred solutions where choices are available
 - Commissioning, completion and handover certificates for all work carried out in line with the programme as defined in step (b) viii
- xii. Implement the audit strategy outlined in (xi), keep under review, and resubmit when subject to change, until the revocation of this notice.

(d) NA

(e) to provide the following information in such time and manner as specified below to enable monitoring of progress:

- i. Provide a progress report annually by 31 January (to include progress against audit strategy in c) and at the following key milestones
 - Provision of the output from DZS as indicated in Step b(vi) (1 month after short term measure date) **by 31 July 2016**
 - Provision of the programme of remediation work arising from DZS and criteria for benefit setting as indicated in Step b (viii) (1 month after medium term measure date) **by 31 January 2017**
 - Delivery of remediation identified in Step b (x) (1 month after completion of last scheme) **by 28 April 2017**
 - Initial completion report **by 31 October 2018**
- ii. Review the risk assessment for Z2061H68 as required by Regulation 28(4) and subsequently submit a revised Regulation 29 report (in accordance with Regulation 29(1)) from time to time; and **by 31 July 2017**
- iii. Submit a satisfactory completion report **by 31 October 2019**.

Please be aware that breach by the Company of this Notice may result in an enforcement notice, breach of which may itself attract a penalty

This Notice may be amended or revoked by notice from the Welsh Ministers at any time.

Signed by authority of the Welsh Ministers,



Milo Purcell

Deputy Chief Inspector

DWI ref DWR 3535

15 February 2016

Assets Affected	
Asset name	Asset reference
Clater SRV	R54116
Leysters SRV	R54388
Warren Wood SRV	R54690
Whitbourne works	T54712



THE WATER SUPPLY (WATER QUALITY) REGULATIONS 2010

NOTICE UNDER REGULATION 29(4)

DŴR CYMRU WELSH WATER: Z2064L21 Abergavenny / Cwmtillery

Version Number: 1

Z2064L21 Abergavenny / Cwmtillery : Supply System Y8116 Talybont

Improvement Programme Database Reference number – DWR 3536

THE WELSH MINISTERS:

1. have received a report from Dŵr Cymru Welsh Water (the “**Company**”) dated 6 March 2015 (the “**Report**”) which states that there is or has been a significant risk of supplying water from the Abergavenny / Cwmtillery zone that would constitute a potential danger to human health.
2. gives Notice that the Company is required, in order to mitigate the risk, in accordance with Regulation 29(4):

For risks associated with:

- Discolouration and associated customer acceptability due to the condition and operation of the network system

(a) to maintain the existing operational measures set out in the Report and as specified below:

- i. Regulatory sampling of water at Talybont works and at customers' taps
- ii. Monitoring, tracking and reporting customer contacts
- iii. Responding as required to any PCV failure or customer contact in line with company procedures. Carry out an investigation to determine the root cause of the failure and identify any remedial measures required to prevent a recurrence
- iv. Liaison with local and public health authorities as appropriate
- v. Review risk assessments for customer contacts and update regulation 29 report

(b) to review, revise and/or make operational such measures as are specified below, by the date specified below:

Short term measures

- vi. Complete Distribution zonal study (DZS) including formulating the methodology for mitigating discolouration risk in this zone **by 30 June 2016**
- vii. Ensure optimisation of Talybont works with 95 percentile less than 20% PCV **Ongoing**

Medium term measures

- viii. Confirmation of programme of work identified through the DZS following cost benefit for customer acceptability **by 31 December 2016**
- ix. Confirmation of success criteria for demonstration of benefit in delivering the proposed programme of work including commencement dates and timescale for demonstration of benefit **by 31 December 2016**

Long term measures

- x. Delivery of programme of work as identified through DZS in Step (b) viii above **by 31 March 2018**

(c) to audit whether the measures have been effective by such means as specified below:

- xi. Define a strategy for auditing the effectiveness of the above measures to include the following **by 29 February 2016**;
 - Monitoring of iron and manganese levels in samples taken from Talybont works
 - Implementation of enhanced sampling programme throughout the zone for Fe and Mn to 104 per year
 - Review of customer contacts on quarterly basis to measure and monitor change and if necessary escalate remediation as appropriate
 - Drinking Water Safety Plan and regulation 29 reports updated in line with any new information arising
 - Review programme of work and delivery timescales to address priority areas of customer acceptability following updated information
 - Validate benefits delivered against benefits criteria set
 - Technical reports for preferred solutions where choices are available
 - Commissioning, completion and handover certificates for all work carried out in line with the programme as defined in step (b) viii
- xii. Implement the audit strategy outlined in (xi), keep under review, and resubmit when subject to change, until the revocation of this notice.

(d) NA**(e) to provide the following information in such time and manner as specified below to enable monitoring of progress:**

- i. Provide a progress report annually by 31 January (to include progress against audit strategy in c) and at the following key milestones
 - Provision of the output from DZS as indicated in Step b(vi) (1 month after short term measure date) **by 31 July 2016**
 - Provision of the programme of remediation work arising from DZS and criteria for benefit setting as indicated in Step b (viii) (1 month after medium term measure date) **by 31 January 2017**
 - Delivery of remediation identified in Step b (x) (1 month after completion of last scheme) **by 30 April 2018**
 - Initial completion report **by 31 October 2019**
- ii. Review the risk assessment for Z2064L21 as required by Regulation 28(4) and subsequently submit a revised Regulation 29 report (in accordance with Regulation 29(1)) from time to time; and **by 31 July 2018**
- iii. Submit a satisfactory completion report **by 30 October 2020**.

Please be aware that breach by the Company of this Notice may result in an enforcement notice, breach of which may itself attract a penalty

This Notice may be amended or revoked by notice from the Welsh Ministers at any time.

Signed by authority of the Welsh Ministers,



Milo Purcell

Deputy Chief Inspector

DWI ref DWR 3536

15 February 2016

Assets Affected	
Asset name	Asset reference
Mynyddislwyn SRV	R49639
Pantygasseg SRV	R49660
Penyfan SRV	R48385
Tranch SRV	R49758
Treveithin SRV	R49861
Varteg SRV	R49752
Talybont works	T48562



THE WATER SUPPLY (WATER QUALITY) REGULATIONS 2010

NOTICE UNDER REGULATION 29(4)

DŴR CYMRU WELSH WATER: Z7048N26 Maerdy / Porth

Version Number: 1

Z7048N26 Maerdy / Porth : Supply System Y8112 Rhondda

Improvement Programme Database Reference number – DWR 3537

THE WELSH MINISTERS:

1. have received a report from Dŵr Cymru Welsh Water (the “**Company**”) dated 7 March 2015 (the “**Report**”) which states that there is or has been a significant risk of supplying water from the Maerdy / Porth zone that would constitute a potential danger to human health.
2. gives Notice that the Company is required, in order to mitigate the risk, in accordance with Regulation 29(4):

For risks associated with:

- Discolouration and associated customer acceptability due to the condition and operation of the network system

(a) to maintain the existing operational measures set out in the Report and as specified below:

- i. Regulatory sampling of water at Maerdy works and at customers' taps
- ii. Monitoring, tracking and reporting customer contacts
- iii. Responding as required to any PCV failure or customer contact in line with company procedures. Carry out an investigation to determine the root cause of the failure and identify any remedial measures required to prevent a recurrence
- iv. Liaison with local and public health authorities as appropriate
- v. Review risk assessments for customer contacts and update regulation 29 report

(b) to review, revise and/or make operational such measures as are specified below, by the date specified below:

Short term measures

- vi. Complete Distribution zonal study (DZS) including formulating the methodology for mitigating discolouration risk in this zone **by 30 June 2016**
- vii. Ensure optimisation of Maerdy works with 95 percentile less than 20% PCV **Ongoing**

Medium term measures

- viii. Confirmation of programme of work identified through the DZS following cost benefit for customer acceptability **by 31 December 2016**
- ix. Confirmation of success criteria for demonstration of benefit in delivering the proposed programme of work including commencement dates and timescale for demonstration of benefit **by 31 December 2016**

Long term measures

- x. Delivery of programme of work as identified through DZS in Step (b) viii above **by 31 March 2017**

(c) to audit whether the measures have been effective by such means as specified below:

- xi. Define a strategy for auditing the effectiveness of the above measures to include the following **by 29 February 2016**;
 - Monitoring of iron and manganese levels in samples taken from Maerdy works
 - Implementation of enhanced sampling programme throughout the zone for Fe and Mn to 76 per year
 - Review of customer contacts on quarterly basis to measure and monitor change and if necessary escalate remediation as appropriate
 - Drinking Water Safety Plan and regulation 29 reports updated in line with any new information arising
 - Review programme of work and delivery timescales to address priority areas of customer acceptability following updated information
 - Validate benefits delivered against benefits criteria set
 - Technical reports for preferred solutions where choices are available
 - Commissioning, completion and handover certificates for all work carried out in line with the programme as defined in step (b) viii
- xii. Implement the audit strategy outlined in (xi), keep under review, and resubmit when subject to change, until the revocation of this notice.

(d) NA**(e) to provide the following information in such time and manner as specified below to enable monitoring of progress:**

- i. Provide a progress report annually by 31 January (to include progress against audit strategy in c) and at the following key milestones
 - Provision of the output from DZS as indicated in Step b(vi) (1 month after short term measure date) **by 31 July 2016**
 - Provision of the programme of remediation work arising from DZS and criteria for benefit setting as indicated in Step b (viii) (1 month after medium term measure date) **by 31 January 2017**
 - Delivery of remediation identified in Step b (x) (1 month after completion of last scheme) **by 28 April 2017**
 - Initial completion report **by 31 October 2018**
- ii. Review the risk assessment for Z7048N26 as required by Regulation 28(4) and subsequently submit a revised Regulation 29 report (in accordance with Regulation 29(1)) from time to time; and **by 31 July 2019**
- iii. Submit a satisfactory completion report **by 31 October 2019**.

Please be aware that breach by the Company of this Notice may result in an enforcement notice, breach of which may itself attract a penalty

This Notice may be amended or revoked by notice from the Welsh Ministers at any time.

Signed by authority of the Welsh Ministers,



Milo Purcell

Deputy Chief Inspector

DWI ref DWR 3537

15 February 2016

Assets Affected	
Asset name	Asset reference
Maerdy SRV	R67269
Ferndale SRV	R67270
Penrhys Estate SRV	R67296
Porth SRV	R67272
Trebanog SRV	R67273
Maerdy HL	T67083
Maerdy LL	T67082



THE WATER SUPPLY (WATER QUALITY) REGULATIONS 2010

NOTICE UNDER REGULATION 29(4)

DŴR CYMRU WELSH WATER: Z7076L45 Rassau / Sirhowy Valley

Version Number: 1

Z7076L45 Rassau / Sirhowy Valley : Supply System Y8119 Pontsticill High Level / Heads of Valleys

Improvement Programme Database Reference number – DWR 3538

THE WELSH MINISTERS:

1. have received a report from Dŵr Cymru Welsh Water (the “**Company**”) dated 11 March 2015 (the “**Report**”) which states that there is or has been a significant risk of supplying water from the Rassau / Sirhowy Valley zone that would constitute a potential danger to human health.
2. gives Notice that the Company is required, in order to mitigate the risk, in accordance with Regulation 29(4):

For risks associated with:

- Discolouration and associated customer acceptability due to the condition and operation of the network system

(a) to maintain the existing operational measures set out in the Report and as specified below:

- i. Regulatory sampling of water at Pontsticill, Carno, Nantybwhch and Talybont works and at customers' taps
- ii. Monitoring, tracking and reporting customer contacts
- iii. Responding as required to any PCV failure or customer contact in line with company procedures. Carry out an investigation to determine the root cause of the failure and identify any remedial measures required to prevent a recurrence
- iv. Liaison with local and public health authorities as appropriate
- v. Review risk assessments for customer contacts and update regulation 29 report

(b) to review, revise and/or make operational such measures as are specified below, by the date specified below:

Short term measures

- vi. Complete Distribution zonal study (DZS) including formulating the methodology for mitigating discolouration risk in this zone **by 30 June 2016**
- vii. Ensure optimisation of Pontsticill, Carno, Nantybwich and Talybont works with 95 percentile less than 20% PCV **Ongoing**

Medium term measures

- viii. Confirmation of programme of work identified through the DZS following cost benefit for customer acceptability **by 31 December 2016**
- ix. Confirmation of success criteria for demonstration of benefit in delivering the proposed programme of work including commencement dates and timescale for demonstration of benefit **by 31 December 2016**

Long term measures

- x. Delivery of programme of work as identified through DZS in Step (b) viii above **by 31 March 2020**

(c) to audit whether the measures have been effective by such means as specified below:

- xi. Define a strategy for auditing the effectiveness of the above measures to include the following **by 29 February 2016**;
 - Monitoring of iron and manganese levels in samples taken from Pontsticill, Carno, Nantybwich and Talybont works
 - Implementation of enhanced sampling programme throughout the zone for Fe and Mn to 76 per year
 - Review of customer contacts on quarterly basis to measure and monitor change and if necessary escalate remediation as appropriate
 - Drinking Water Safety Plan and regulation 29 reports updated in line with any new information arising
 - Review programme of work and delivery timescales to address priority areas of customer acceptability following updated information
 - Validate benefits delivered against benefits criteria set
 - Technical reports for preferred solutions where choices are available
 - Commissioning, completion and handover certificates for all work carried out in line with the programme as defined in step (b) viii
- xii. Implement the audit strategy outlined in (xi), keep under review, and resubmit when subject to change, until the revocation of this notice.

(d) NA

(e) to provide the following information in such time and manner as specified below to enable monitoring of progress:

- i. Provide a progress report annually by 31 January (to include progress against audit strategy in c) and at the following key milestones
 - Provision of the output from DZS as indicated in Step b(vi) (1 month after short term measure date) **by 31 July 2016**
 - Provision of the programme of remediation work arising from DZS and criteria for benefit setting as indicated in Step b (viii) (1 month after medium term measure date) **by 31 January 2017**
 - Delivery of remediation identified in Step b (x) (1 month after completion of last scheme) **by 30 April 2020**
 - Initial completion report **by 29 October 2021**
- ii. Review the risk assessment for Z7076L45 as required by Regulation 28(4) and subsequently submit a revised Regulation 29 report (in accordance with Regulation 29(1)) from time to time; and **by 31 July 2020**
- iii. Submit a satisfactory completion report **by 31 October 2022**.

Please be aware that breach by the Company of this Notice may result in an enforcement notice, breach of which may itself attract a penalty

This Notice may be amended or revoked by notice from the Welsh Ministers at any time.

Signed by authority of the Welsh Ministers,



Milo Purcell

Deputy Chief Inspector

DWI ref DWR 3538

15 February 2016

Assets Affected	
Asset name	Asset reference
Markham SRV	R49626
Rassau SRV	R49681
Tafarnaubach No 1 SRV	R49703
Tafarnaubach No 2 SRV	R49707
Trefil SRV	R49723
Ty Fry SRV	R49743
Georgetown SRV	R48210
Pontsticill works	T67034
Carno works	T48287
Nantybwhch works	T320200
Talybont works	T48562



THE WATER SUPPLY (WATER QUALITY) REGULATIONS 2010

NOTICE UNDER REGULATION 29(4)

DŴR CYMRU WELSH WATER: Z7078N41 Rhymney / Bargoed

Version Number: 1

Z7078N41 Rhymney / Bargoed : Supply System Y8119 Pontsticill High Level/Heads of the Valley

Improvement Programme Database Reference number – DWR 3539

THE WELSH MINISTERS:

1. have received a report from Dŵr Cymru Welsh Water (the “**Company**”) dated 12 March 2015 (the “**Report**”) which states that there is or has been a significant risk of supplying water from the Rhymney / Bargoed zone that would constitute a potential danger to human health.
2. gives Notice that the Company is required, in order to mitigate the risk, in accordance with Regulation 29(4):

For risks associated with:

- Discolouration and associated customer acceptability due to the condition and operation of the network system

(a) to maintain the existing operational measures set out in the Report and as specified below:

- i. Regulatory sampling of water at Pontsticill, Cantref and Llwynon works and at customers' taps
- ii. Monitoring, tracking and reporting customer contacts
- iii. Responding as required to any PCV failure or customer contact in line with company procedures. Carry out an investigation to determine the root cause of the failure and identify any remedial measures required to prevent a recurrence
- iv. Liaison with local and public health authorities as appropriate
- v. Review risk assessments for customer contacts and update regulation 29 report

(b) to review, revise and/or make operational such measures as are specified below, by the date specified below:

Short term measures

- vi. Complete Distribution zonal study (DZS) including formulating the methodology for mitigating discolouration risk in this zone **by 30 June 2016**
- vii. Ensure optimisation of Pontsticill, Cantref and Llwynon works with 95 percentile less than 20% PCV **Ongoing**

Medium term measures

- viii. Confirmation of programme of work identified through the DZS following cost benefit for customer acceptability **by 31 December 2016**
- ix. Confirmation of success criteria for demonstration of benefit in delivering the proposed programme of work including commencement dates and timescale for demonstration of benefit **by 31 December 2016**

Long term measures

- x. Delivery of programme of work as identified through DZS in Step (b) viii above **by 31 March 2018**

(c) to audit whether the measures have been effective by such means as specified below:

- xi. Define a strategy for auditing the effectiveness of the above measures to include the following **by 29 February 2016**;
 - Monitoring of iron and manganese levels in samples taken from Pontsticill, Cantref and Llwynon works
 - Implementation of enhanced sampling programme throughout the zone for Fe and Mn to 104 and 76 per year respectively
 - Review of customer contacts on quarterly basis to measure and monitor change and if necessary escalate remediation as appropriate
 - Drinking Water Safety Plan and regulation 29 reports updated in line with any new information arising
 - Review programme of work and delivery timescales to address priority areas of customer acceptability following updated information
 - Validate benefits delivered against benefits criteria set
 - Technical reports for preferred solutions where choices are available
 - Commissioning, completion and handover certificates for all work carried out in line with the programme as defined in step (b) viii
- xii. Implement the audit strategy outlined in (xi), keep under review, and resubmit when subject to change, until the revocation of this notice.

(d) NA

(e) to provide the following information in such time and manner as specified below to enable monitoring of progress:

- i. Provide a progress report annually by 31 January (to include progress against audit strategy in c) and at the following key milestones
 - Provision of the output from DZS as indicated in Step b(vi) (1 month after short term measure date) **by 31 July 2016**
 - Provision of the programme of remediation work arising from DZS and criteria for benefit setting as indicated in Step b (viii) (1 month after medium term measure date) **by 31 January 2017**
 - Delivery of remediation identified in Step b (x) (1 month after completion of last scheme) **by 30 April 2018**
 - Initial completion report **by 31 October 2019**
- ii. Review the risk assessment for Z7078N41 as required by Regulation 28(4) and subsequently submit a revised Regulation 29 report (in accordance with Regulation 29(1)) from time to time; and **by 31 July 2018**
- iii. Submit a satisfactory completion report **by 30 October 2020**.

Please be aware that breach by the Company of this Notice may result in an enforcement notice, breach of which may itself attract a penalty

This Notice may be amended or revoked by notice from the Welsh Ministers at any time.

Signed by authority of the Welsh Ministers,



Milo Purcell

Deputy Chief Inspector

DWI ref DWR 3539

15 February 2016

Assets Affected	
Asset name	Asset reference
Gilfach Fargoed SRV	R67323
Gelliwen SRV	R67321
Heolddu SRV	R67322
Markham SRV	R49626
Pengarnddu SRV	R67291
Pengarnddu New SRV	R301166
Pontllanfraith SRV	R49870
Rhymney Bridge SRV	R67276
Ty Canol SRV	R300350
Ty Fry SRV	R49743
Pontsticill works	T67034
Cantref works	T67151
Llwynon works	T67149



THE WATER SUPPLY (WATER QUALITY) REGULATIONS 2010

NOTICE UNDER REGULATION 29(4)

DŴR CYMRU WELSH WATER: Z7081L51 Newport SW / Risca / Abercarn

Version Number: 1

Z7081L51 Newport SW / Risca / Abercarn: Supply System Y8109 Sluvad/Court Farm/Llwynon

Improvement Programme Database Reference number – DWR 3540

THE WELSH MINISTERS:

1. have received a report from Dŵr Cymru Welsh Water (the “**Company**”) dated 11 March 2015 (the “**Report**”) which states that there is or has been a significant risk of supplying water from the Newport SW / Risca / Abercarn zone that would constitute a potential danger to human health.
2. gives Notice that the Company is required, in order to mitigate the risk, in accordance with Regulation 29(4):

For risks associated with:

- Discolouration and associated customer acceptability due to the condition and operation of the network system

(a) to maintain the existing operational measures set out in the Report and as specified below:

- i. Regulatory sampling of water at Court Farm and Llandegfedd works and at customers' taps
- ii. Monitoring, tracking and reporting customer contacts
- iii. Responding as required to any PCV failure or customer contact in line with company procedures. Carry out an investigation to determine the root cause of the failure and identify any remedial measures required to prevent a recurrence
- iv. Liaison with local and public health authorities as appropriate
- v. Review risk assessments for customer contacts and update regulation 29 report

(b) to review, revise and/or make operational such measures as are specified below, by the date specified below:

Short term measures

- vi. Complete Distribution zonal study (DZS) including formulating the methodology for mitigating discolouration risk in this zone **by 30 June 2016**
- vii. Ensure optimisation of Court Farm and Llandegfedd works with 95 percentile less than 20% PCV **Ongoing**

Medium term measures

- viii. Confirmation of programme of work identified through the DZS following cost benefit for customer acceptability **by 31 July 2018**
- ix. Confirmation of success criteria for demonstration of benefit in delivering the proposed programme of work including commencement dates and timescale for demonstration of benefit **by 31 July 2018**

Long term measures

- x. Delivery of programme of work as identified through DZS in Step (b) viii above **by 31 March 2025**

(c) to audit whether the measures have been effective by such means as specified below:

- xi. Define a strategy for auditing the effectiveness of the above measures to include the following **by 29 February 2016**;
 - Monitoring of iron and manganese levels in samples taken from Court Farm and Llandegfedd works
 - Implementation of enhanced sampling programme throughout the zone for Fe and Mn to 104 and 52 per year respectively
 - Review of customer contacts on quarterly basis to measure and monitor change and if necessary escalate remediation as appropriate
 - Drinking Water Safety Plan and regulation 29 reports updated in line with any new information arising
 - Review programme of work and delivery timescales to address priority areas of customer acceptability following updated information
 - Validate benefits delivered against benefits criteria set
 - Technical reports for preferred solutions where choices are available
 - Commissioning, completion and handover certificates for all work carried out in line with the programme as defined in step (b) viii
- xii. Implement the audit strategy outlined in (xi), keep under review, and resubmit when subject to change, until the revocation of this notice.

(d) NA

(e) to provide the following information in such time and manner as specified below to enable monitoring of progress:

- i. Provide a progress report annually by 31 January (to include progress against audit strategy in c) and at the following key milestones
 - Provision of the output from DZS as indicated in Step b(vi) (1 month after short term measure date) **by 31 July 2016**
 - Provision of the programme of remediation work arising from DZS and criteria for benefit setting as indicated in Step b (viii) (1 month after medium term measure date) **by 31 August 2018**
 - Delivery of remediation identified in Step b (x) (1 month after completion of last scheme) **by 30 April 2025**
 - Initial completion report **by 30 October 2026**
- ii. Review the risk assessment for Z7081L51 as required by Regulation 28(4) and subsequently submit a revised Regulation 29 report (in accordance with Regulation 29(1)) from time to time; and **by 31 July 2025**
- iii. Submit a satisfactory completion report **by 29 October 2027**.

Please be aware that breach by the Company of this Notice may result in an enforcement notice, breach of which may itself attract a penalty

This Notice may be amended or revoked by notice from the Welsh Ministers at any time.

Signed by authority of the Welsh Ministers,



Milo Purcell

Deputy Chief Inspector

DWI ref DWR 3540

15 February 2016

Assets Affected	
Asset name	Asset reference
Cribbarth SRV	R49483
Duffryn SRV	R49507
Mynyddislwyn SRV	R49639
Pantside SRV	R49652
Court Farm	T320509
Llandegfedd	T48498



THE WATER SUPPLY (WATER QUALITY) REGULATIONS 2010

NOTICE UNDER REGULATION 29(4)

DŴR CYMRU WELSH WATER: Z7038G35 Cray/Clydach

Version Number: 1

Z7038G35 Cray/Clydach : Supply System Y8201 Tywi

Improvement Programme Database Reference number – DWR 3498

THE WELSH MINISTERS:

1. have received a report from Dŵr Cymru Welsh Water (the “**Company**”) dated 7 March 2015 (the “**Report**”) which states that there is or has been a significant risk of supplying water from the Cray/Clydach zone that would constitute a potential danger to human health.
2. gives Notice that the Company is required, in order to mitigate the risk, in accordance with Regulation 29(4):

For risks associated with:

- Elevated levels of Manganese causing discolouration of supply due to operation and condition of the network

(a) to maintain the existing operational measures set out in the Report and as specified below:

- i. Regulatory sampling of water at Cray works and at customers' taps
- ii. Monitoring, tracking and reporting customer contacts
- iii. Responding as required to any PCV failure or customer contact in line with company procedures. Carry out an investigation to determine the root cause of the failure and identify any remedial measures required to prevent a recurrence
- iv. Liaison with local and public health authorities as appropriate
- v. Review risk assessments for customer contacts and update regulation 29 report

(b) to review, revise and/or make operational such measures as are specified below, by the date specified below:

Short term measures

- vi. Complete Distribution zonal study (DZS) including formulating the methodology for mitigating discolouration risk in this zone **by 31 December 2015**
- vii. Complete the renovation of 25.5km of unlined cast iron mains within the Crai & Townhill WQZ **Complete**
- viii. Complete an Action Plan which will be informed by the Delivery of Distribution zonal study (DZS) including the methodology and confirmation of success criteria and timescale for demonstration of benefit. To include analysis and the case for removing 53km from the scheme. To include dates for the submission of technical reports for preferred solutions **by 31 December 2015**
- ix. Ensure optimisation of Cray works with 95 percentile less than 20% PCV **Ongoing**

Medium term measures

- x. Enabling works to facilitate cleansing of 40km of twin (East & West) 500mm Crai Trunk Main and 9.5km of single 600mm Crai Trunk Main to proceed. To include the following milestones **by 31 October 2016**
 - Conditioning of the 500mm West Main **by 31 January 2016**
 - Ice pigging of Rhos SRV inlet main **by 31 March 2016**
 - Enabling works to facilitate conditioning of the 500mm East Main **by 30 April 2016**
 - Conditioning of the 500mm East Main and the 600mm single main from Cwmdy Bridge to Christopher Road **by 31 October 2016**

(c) to audit whether the measures have been effective by such means as specified below:

- xi. Define a strategy for auditing the effectiveness of the above measures to include the following **by 29 February 2016**;
 - Monitoring of iron and manganese levels in samples taken from Cray works
 - Implementation of enhanced sampling programme throughout the zone for Mn and Fe of 104 per annum
 - Review of customer contacts on quarterly basis to measure and monitor change and if necessary escalate remediation as appropriate
 - Drinking Water Safety Plan and regulation 29 reports updated in line with any new information arising
 - Review programme of work and delivery timescales to address priority areas of customer acceptability following updated information
 - Validate benefits delivered against benefits criteria set according to the action plan submitted in b (viii)
 - Technical reports for preferred solutions where choices are available
 - Commissioning, completion and handover certificates for all work carried out in line with the programme as defined in step b (vi) and (viii)

- xii. Implement the audit strategy outlined in (xi), keep under review, and resubmit when subject to change, until the revocation of this notice.

(d) NA

(e) to provide the following information in such time and manner as specified below to enable monitoring of progress:

- i. Provide a progress report annually by 31 January (to include progress against audit strategy in c) and at the following key milestones
- Provision of the output from DZS as indicated in Step b(vi) (1 month after short term measure date) **by 29 February 2016**
 - Completion of the action plan in v (viii) **by 29 February 2016**
 - Completion of the medium term measures in b (x) **by 30 November 2016**
- ii. Review the risk assessment for Z7038G35 Cray/Clydach as required by Regulation 28(4) and subsequently submit a revised Regulation 29 report (in accordance with Regulation 29(1)) from time to time); and **by 31 January 2017**
- iii. Submit a satisfactory completion report **by 30 November 2017**.

Please be aware that breach by the Company of this Notice may result in an enforcement notice, breach of which may itself attract a penalty

This Notice may be amended or revoked by notice from the Welsh Ministers at any time.

Signed by authority of the Welsh Ministers,



Milo Purcell

Deputy Chief Inspector

DWI ref DWR 3541

15 April 2016

Assets Affected	
Asset name	Asset reference
Cray/Clydach	Z7038G35
Rhos SRV	R77289
Ystalyfera SRV	R77362
Rhiwfawr SRV	R77288
Gwaun Cae Gurwen SRV	R79052
Brynamman No 2 SRV	R77022
Birchgrove SRV	R77015
Spyte SRV	R77318
Cray works	T79086



THE WATER SUPPLY (WATER QUALITY) REGULATIONS 2010

NOTICE UNDER REGULATION 29(4)

DŴR CYMRU WELSH WATER: Z1005B04 Bangor / Caernarfon

Version Number: 1

Z1005B04 Bangor / Caernarfon : Supply System Y8001 North Eryri/Ynys Mon

Improvement Programme Database Reference number – DWR 3510

THE WELSH MINISTERS:

1. have received a report from Dŵr Cymru Welsh Water (the “**Company**”) dated 6 March 2015 (the “**Report**”) which states that there is or has been a significant risk of supplying water from the Bangor/Caernarfon zone that would constitute a potential danger to human health.
2. gives Notice that the Company is required, in order to mitigate the risk, in accordance with Regulation 29(4):

For risks associated with:

- Discolouration and associated customer acceptability due to the condition and operation of the network system

(a) to maintain the existing operational measures set out in the Report and as specified below:

- i. Regulatory sampling of water at Cwellyn and Mynydd Llandegai works and at customers' taps
- ii. Monitoring, tracking and reporting customer contacts
- iii. Responding as required to any PCV failure or customer contact in line with company procedures. Carry out an investigation to determine the root cause of the failure and identify any remedial measures required to prevent a recurrence
- iv. Liaison with local and public health authorities as appropriate
- v. Review risk assessments for customer contacts and update regulation 29 report

(b) to review, revise and/or make operational such measures as are specified below, by the date specified below:

Short term measures

- vi. Complete Distribution zonal study (DZS) including formulating the methodology for mitigating discolouration risk in this zone **by 30 June 2016**
- vii. Ensure optimisation of Cwellyn and Mynydd Llandegai works with 95 percentile less than 20% PCV **Ongoing**

Medium term measures

- viii. Confirmation of programme of work identified through the DZS following cost benefit for customer acceptability **by 31 December 2016**
- ix. Confirmation of success criteria for demonstration of benefit in delivering the proposed programme of work including commencement dates and timescale for demonstration of benefit **by 31 December 2016**

Long term measures

- x. Delivery of programme of work as identified through DZS in Step (b) viii above **by 31 March 2019**

(c) to audit whether the measures have been effective by such means as specified below:

- xi. Define a strategy for auditing the effectiveness of the above measures to include the following **by 29 February 2016**;
 - Monitoring of iron and manganese levels in samples taken from Cwellyn and Mynydd Llandegai works
 - Implementation of enhanced sampling programme throughout the zone for Fe and Mn to 104 per year
 - Review of customer contacts on quarterly basis to measure and monitor change and if necessary escalate remediation as appropriate
 - Drinking Water Safety Plan and regulation 29 reports updated in line with any new information arising
 - Review programme of work and delivery timescales to address priority areas of customer acceptability following updated information
 - Validate benefits delivered against benefits criteria set
 - Technical reports for preferred solutions where choices are available
 - Commissioning, completion and handover certificates for all work carried out in line with the programme as defined in step (b) viii
- xii. Implement the audit strategy outlined in (xi), keep under review, and resubmit when subject to change, until the revocation of this notice.

(d) NA**(e) to provide the following information in such time and manner as specified below to enable monitoring of progress:**

- i. Provide a progress report annually by 31 January (to include progress against audit strategy in c) and at the following key milestones
 - Provision of the output from DZS as indicated in Step b(vi) (1 month after short term measure date) **by 31 July 2016**
 - Provision of the programme of remediation work arising from DZS and criteria for benefit setting as indicated in Step b (viii) (1 month after medium term measure date) **by 31 January 2017**
 - Delivery of remediation identified in Step b (x) (1 month after completion of last scheme) **by 30 April 2019**
 - Initial completion report **by 30 October 2020**
- ii. Review the risk assessment for Z1005B04 as required by Regulation 28(4) and subsequently submit a revised Regulation 29 report (in accordance with Regulation 29(1)) from time to time; and **by 31 July 2019**
- iii. Submit a satisfactory completion report **by 29 October 2021**.

Please be aware that breach by the Company of this Notice may result in an enforcement notice, breach of which may itself attract a penalty

This Notice may be amended or revoked by notice from the Welsh Ministers at any time.

Signed by authority of the Welsh Ministers,



Milo Purcell

Deputy Chief Inspector

DWI ref DWR 3510

15 February 2016

Assets Affected	
Asset name	Asset reference
Beddgelert SRV	R645061
Bryniau SRV	R645006
Cwellyn SRV	R645391
Deiniolen SRV	R645068
Ffreithwen SRV	R645022
Llanrug SRV	R645030
Pentir SRV	R645367
Rachub SRV	R645064
Rhosgadfan SRV	R645047
Ysbyty SRV	R645000
Cwellyn works	T603232, T603212, T603012
Mynydd Llandegai	T627422, T627432



THE WATER SUPPLY (WATER QUALITY) REGULATIONS 2010

NOTICE UNDER REGULATION 29(4)

DŴR CYMRU WELSH WATER: Z1016B17 Flint/Connahs Quay

Version Number: 1

Z1016B17 Flint/Connahs Quay : Supply System Y8014 Alwen/Dee

Improvement Programme Database Reference number – DWR 3511

THE WELSH MINISTERS:

1. have received a report from Dŵr Cymru Welsh Water (the “**Company**”) dated 6 March 2015 (the “**Report**”) which states that there is or has been a significant risk of supplying water from the Flint/Connahs Quay zone that would constitute a potential danger to human health.
2. gives Notice that the Company is required, in order to mitigate the risk, in accordance with Regulation 29(4):

For risks associated with:

- Discolouration and associated customer acceptability due to the condition and operation of the network system

(a) to maintain the existing operational measures set out in the Report and as specified below:

- i. Regulatory sampling of water at Bretton water treatment works and at customers' taps
- ii. Monitoring, tracking and reporting customer contacts
- iii. Responding as required to any PCV failure or customer contact in line with company procedures. Carry out an investigation to determine the root cause of the failure and identify any remedial measures required to prevent a recurrence
- iv. Liaison with local and public health authorities as appropriate
- v. Review risk assessments for customer contacts and update regulation 29 report

(b) to review, revise and/or make operational such measures as are specified below, by the date specified below:

Short term measures

- vi. Complete Distribution zonal study (DZS) including formulating the methodology for mitigating discolouration risk in this zone **by 30 June 2016**
- vii. Ensure optimisation of Bretton works with 95 percentile less than 20% PCV **Ongoing**

Medium term measures

- viii. Confirmation of programme of work identified through the DZS following cost benefit for customer acceptability **by 31 December 2016**
- ix. Confirmation of success criteria for demonstration of benefit in delivering the proposed programme of work including commencement dates and timescale for demonstration of benefit **by 31 December 2016**

Long term measures

- x. Delivery of programme of work as identified through DZS in Step (b) viii above **by 31 March 2017**

(c) to audit whether the measures have been effective by such means as specified below:

- xi. Define a strategy for auditing the effectiveness of the above measures to include the following **by 29 February 2016**;
 - Monitoring of iron and manganese levels in samples taken from Bretton works
 - Implementation of enhanced sampling programme throughout the zone for Fe and Mn to 76 and 36 per year respectively
 - Review of customer contacts on quarterly basis to measure and monitor change and if necessary escalate remediation as appropriate
 - Drinking Water Safety Plan and regulation 29 reports updated in line with any new information arising
 - Review programme of work and delivery timescales to address priority areas of customer acceptability following updated information
 - Validate benefits delivered against benefits criteria set
 - Technical reports for preferred solutions where choices are available
 - Commissioning, completion and handover certificates for all work carried out in line with the programme as defined in step (b) viii
- xii. Implement the audit strategy outlined in (xi), keep under review, and resubmit when subject to change, until the revocation of this notice.

(d) NA

(e) to provide the following information in such time and manner as specified below to enable monitoring of progress:

- i. Provide a progress report annually by 31 January (to include progress against audit strategy in c) and at the following key milestones
 - Provision of the output from DZS as indicated in Step b(vi) (1 month after short term measure date) **by 31 July 2016**
 - Provision of the programme of remediation work arising from DZS and criteria for benefit setting as indicated in Step b (viii) (1 month after medium term measure date) **by 31 January 2017**
 - Delivery of remediation identified in Step b (x) (1 month after completion of last scheme) **by 28 April 2017**
 - Initial completion report **by 31 October 2018**
- ii. Review the risk assessment for Z1005B04 as required by Regulation 28(4) and subsequently submit a revised Regulation 29 report (in accordance with Regulation 29(1)) from time to time; and **by 31 July 2017**
- iii. Submit a satisfactory completion report **by 31 October 2019**.

Please be aware that breach by the Company of this Notice may result in an enforcement notice, breach of which may itself attract a penalty

This Notice may be amended or revoked by notice from the Welsh Ministers at any time.

Signed by authority of the Welsh Ministers,



Milo Purcell

Deputy Chief Inspector

DWI ref DWR 3511

15 February 2016

Assets Affected	
Asset name	Asset reference
Fferm Bagillt SRV	R706566
Hawarden SRV	R706568
Bryn Edwin SRV	R706564
Aston SRV	R706563
Bretton works	T706125



THE WATER SUPPLY (WATER QUALITY) REGULATIONS 2010

NOTICE UNDER REGULATION 29(4)

DŴR CYMRU WELSH WATER: Z1034G15 Sketty / Gower

Version Number: 1

Z1034G15 Sketty / Gower : Supply System Y8021 Tywi

Improvement Programme Database Reference number – DWR 3512

THE WELSH MINISTERS:

1. have received a report from Dŵr Cymru Welsh Water (the “**Company**”) dated 6 March 2015 (the “**Report**”) which states that there is or has been a significant risk of supplying water from the Sketty / Gower zone that would constitute a potential danger to human health.
2. gives Notice that the Company is required, in order to mitigate the risk, in accordance with Regulation 29(4):

For risks associated with:

- Discolouration and associated customer acceptability due to the condition and operation of the network system

(a) to maintain the existing operational measures set out in the Report and as specified below:

- i. Regulatory sampling of water at Felindre works and at customers' taps
- ii. Monitoring, tracking and reporting customer contacts
- iii. Responding as required to any PCV failure or customer contact in line with company procedures. Carry out an investigation to determine the root cause of the failure and identify any remedial measures required to prevent a recurrence
- iv. Liaison with local and public health authorities as appropriate
- v. Review risk assessments for customer contacts and update regulation 29 report

(b) to review, revise and/or make operational such measures as are specified below, by the date specified below:

Short term measures

- vi. Complete Distribution zonal study (DZS) including formulating the methodology for mitigating discolouration risk in this zone **by 30 June 2016**
- vii. Ensure optimisation of Felindre works with 95 percentile less than 20% PCV **Ongoing**

Medium term measures

- viii. Confirmation of programme of work identified through the DZS following cost benefit for customer acceptability **by 31 December 2016**
- ix. Confirmation of success criteria for demonstration of benefit in delivering the proposed programme of work including commencement dates and timescale for demonstration of benefit **by 31 December 2016**

Long term measures

- x. Delivery of programme of work as identified through DZS in Step (b) viii above **by 31 March 2018**

(c) to audit whether the measures have been effective by such means as specified below:

- xi. Define a strategy for auditing the effectiveness of the above measures to include the following **by 29 February 2016**;
 - Monitoring of iron and manganese levels in samples taken from Felindre works
 - Implementation of enhanced sampling programme throughout the zone for Fe and Mn to 104 and 52 per year respectively
 - Review of customer contacts on quarterly basis to measure and monitor change and if necessary escalate remediation as appropriate
 - Drinking Water Safety Plan and regulation 29 reports updated in line with any new information arising
 - Review programme of work and delivery timescales to address priority areas of customer acceptability following updated information
 - Validate benefits delivered against benefits criteria set
 - Technical reports for preferred solutions where choices are available
 - Commissioning, completion and handover certificates for all work carried out in line with the programme as defined in step (b) viii
- xii. Implement the audit strategy outlined in (xi), keep under review, and resubmit when subject to change, until the revocation of this notice.

(d) NA

(e) to provide the following information in such time and manner as specified below to enable monitoring of progress:

- i. Provide a progress report annually by 31 January (to include progress against audit strategy in c) and at the following key milestones
 - Provision of the output from DZS as indicated in Step b(vi) (1 month after short term measure date) **by 31 July 2016**
 - Provision of the programme of remediation work arising from DZS and criteria for benefit setting as indicated in Step b (viii) (1 month after medium term measure date) **by 31 January 2017**
 - Delivery of remediation identified in Step b (x) (1 month after completion of last scheme) **by 30 April 2018**
 - Initial completion report **by 31 October 2019**
- ii. Review the risk assessment for Z1005B04 as required by Regulation 28(4) and subsequently submit a revised Regulation 29 report (in accordance with Regulation 29(1)) from time to time; and **by 31 July 2018**
- iii. Submit a satisfactory completion report **by 29 October 2020**.

Please be aware that breach by the Company of this Notice may result in an enforcement notice, breach of which may itself attract a penalty

This Notice may be amended or revoked by notice from the Welsh Ministers at any time.

Signed by authority of the Welsh Ministers,



Milo Purcell

Deputy Chief Inspector

DWI ref DWR 3512

15 February 2016

Assets Affected	
Asset name	Asset reference
Cockett SRV	R77004
Cockett Tower SRV	R77005
Clyne SRV	R77035
Newton SRV	R77225
Cefn Bryn SRV	R79123
Rhossili SRV	R77316
Felindre works	T77100



THE WATER SUPPLY (WATER QUALITY) REGULATIONS 2010

NOTICE UNDER REGULATION 29(4)

DŴR CYMRU WELSH WATER: Z1034G16 Swansea / Morriston

Version Number: 1

Z1034G16 Swansea / Morriston : Supply System Y8201 Tywi

Improvement Programme Database Reference number – DWR 3513

THE WELSH MINISTERS:

1. have received a report from Dŵr Cymru Welsh Water (the “**Company**”) dated 12 March 2015 (the “**Report**”) which states that there is or has been a significant risk of supplying water from the Swansea / Morriston zone that would constitute a potential danger to human health.
2. gives Notice that the Company is required, in order to mitigate the risk, in accordance with Regulation 29(4):

For risks associated with:

- Discolouration and associated customer acceptability due to the condition and operation of the network system

(a) to maintain the existing operational measures set out in the Report and as specified below:

- i. Regulatory sampling of water at Felindre and Bryngwyn works and at customers' taps
- ii. Monitoring, tracking and reporting customer contacts
- iii. Responding as required to any PCV failure or customer contact in line with company procedures. Carry out an investigation to determine the root cause of the failure and identify any remedial measures required to prevent a recurrence
- iv. Liaison with local and public health authorities as appropriate
- v. Review risk assessments for customer contacts and update regulation 29 report

(b) to review, revise and/or make operational such measures as are specified below, by the date specified below:

Short term measures

- vi. Complete Distribution zonal study (DZS) including formulating the methodology for mitigating discolouration risk in this zone **by 30 June 2016**
- vii. Ensure optimisation of Felindre and Bryngwyn works with 95 percentile less than 20% PCV **Ongoing**

Medium term measures

- viii. Confirmation of programme of work identified through the DZS following cost benefit for customer acceptability **by 31 December 2016**
- ix. Confirmation of success criteria for demonstration of benefit in delivering the proposed programme of work including commencement dates and timescale for demonstration of benefit **by 31 December 2016**

Long term measures

- x. Delivery of programme of work as identified through DZS in Step (b) viii above **by 31 March 2019**

(c) to audit whether the measures have been effective by such means as specified below:

- xi. Define a strategy for auditing the effectiveness of the above measures to include the following **by 29 February 2016**;
 - Monitoring of iron and manganese levels in samples taken from Felindre and Bryngwyn works
 - Implementation of enhanced sampling programme throughout the zone for Fe and Mn to 52 per year
 - Review of customer contacts on quarterly basis to measure and monitor change and if necessary escalate remediation as appropriate
 - Drinking Water Safety Plan and regulation 29 reports updated in line with any new information arising
 - Review programme of work and delivery timescales to address priority areas of customer acceptability following updated information
 - Validate benefits delivered against benefits criteria set
 - Technical reports for preferred solutions where choices are available
 - Commissioning, completion and handover certificates for all work carried out in line with the programme as defined in step (b) viii
- xii. Implement the audit strategy outlined in (xi), keep under review, and resubmit when subject to change, until the revocation of this notice.

(d) NA**(e) to provide the following information in such time and manner as specified below to enable monitoring of progress:**

- i. Provide a progress report annually by 31 January (to include progress against audit strategy in c) and at the following key milestones
 - Provision of the output from DZS as indicated in Step b(vi) (1 month after short term measure date) **by 31 July 2016**
 - Provision of the programme of remediation work arising from DZS and criteria for benefit setting as indicated in Step b (viii) (1 month after medium term measure date) **by 31 January 2017**
 - Delivery of remediation identified in Step b (x) (1 month after completion of last scheme) **by 30 April 2019**
 - Initial completion report **by 30 October 2020**
- ii. Review the risk assessment for Z1034G16 as required by Regulation 28(4) and subsequently submit a revised Regulation 29 report (in accordance with Regulation 29(1)) from time to time; and **by 31 July 2019**
- iii. Submit a satisfactory completion report **by 29 October 2021**.

Please be aware that breach by the Company of this Notice may result in an enforcement notice, breach of which may itself attract a penalty

This Notice may be amended or revoked by notice from the Welsh Ministers at any time.

Signed by authority of the Welsh Ministers,



Milo Purcell

Deputy Chief Inspector

DWI ref DWR 3513

15 February 2016

Assets Affected	
Asset name	Asset reference
Cwmdonkin SRV	R77136
Clase SRV	R77052
Penlan SRV	R77258
Morrison SRV	R77218
Felindre works	T77100
Bryngwyn works	T77092



THE WATER SUPPLY (WATER QUALITY) REGULATIONS 2010

NOTICE UNDER REGULATION 29(4)

DŴR CYMRU WELSH WATER: Z1034G17 Dafen

Version Number: 1

Z1034G17 Dafen: Supply System Y8201 Tywi

Improvement Programme Database Reference number – DWR 3514

THE WELSH MINISTERS:

1. have received a report from Dŵr Cymru Welsh Water (the “**Company**”) dated 7 March 2015 (the “**Report**”) which states that there is or has been a significant risk of supplying water from the Dafen zone that would constitute a potential danger to human health.
2. gives Notice that the Company is required, in order to mitigate the risk, in accordance with Regulation 29(4):

For risks associated with:

- Discolouration and associated customer acceptability due to the condition and operation of the network system

(a) to maintain the existing operational measures set out in the Report and as specified below:

- i. Regulatory sampling of water at Felindre works and at customers' taps
- ii. Monitoring, tracking and reporting customer contacts
- iii. Responding as required to any PCV failure or customer contact in line with company procedures. Carry out an investigation to determine the root cause of the failure and identify any remedial measures required to prevent a recurrence
- iv. Liaison with local and public health authorities as appropriate
- v. Review risk assessments for customer contacts and update regulation 29 report

(b) to review, revise and/or make operational such measures as are specified below, by the date specified below:

Short term measures

- vi. Complete Distribution zonal study (DZS) including formulating the methodology for mitigating discolouration risk in this zone **by 30 June 2016**
- vii. Ensure optimisation of Felindre works with 95 percentile less than 20% PCV **Ongoing**

Medium term measures

- viii. Confirmation of programme of work identified through the DZS following cost benefit for customer acceptability **by 31 December 2016**
- ix. Confirmation of success criteria for demonstration of benefit in delivering the proposed programme of work including commencement dates and timescale for demonstration of benefit **by 31 December 2016**

Long term measures

- x. Delivery of programme of work as identified through DZS in Step (b) viii above **by 31 March 2018**

(c) to audit whether the measures have been effective by such means as specified below:

- xi. Define a strategy for auditing the effectiveness of the above measures to include the following **by 29 February 2016**;
 - Monitoring of iron and manganese levels in samples taken from Felindre works
 - Implementation of enhanced sampling programme throughout the zone for Fe and Mn to 36 per year
 - Review of customer contacts on quarterly basis to measure and monitor change and if necessary escalate remediation as appropriate
 - Drinking Water Safety Plan and regulation 29 reports updated in line with any new information arising
 - Review programme of work and delivery timescales to address priority areas of customer acceptability following updated information
 - Validate benefits delivered against benefits criteria set
 - Technical reports for preferred solutions where choices are available
 - Commissioning, completion and handover certificates for all work carried out in line with the programme as defined in step (b) viii
- xii. Implement the audit strategy outlined in (xi), keep under review, and resubmit when subject to change, until the revocation of this notice.

(d) NA

(e) to provide the following information in such time and manner as specified below to enable monitoring of progress:

- i. Provide a progress report annually by 31 January (to include progress against audit strategy in c) and at the following key milestones
 - Provision of the output from DZS as indicated in Step b(vi) (1 month after short term measure date) **by 31 July 2016**
 - Provision of the programme of remediation work arising from DZS and criteria for benefit setting as indicated in Step b (viii) (1 month after medium term measure date) **by 31 January 2017**
 - Delivery of remediation identified in Step b (x) (1 month after completion of last scheme) **by 30 April 2018**
 - Initial completion report **by 31 October 2019**
- ii. Review the risk assessment for Z1034G17 as required by Regulation 28(4) and subsequently submit a revised Regulation 29 report (in accordance with Regulation 29(1)) from time to time; and **by 31 July 2019**
- iii. Submit a satisfactory completion report **by 29 October 2020**.

Please be aware that breach by the Company of this Notice may result in an enforcement notice, breach of which may itself attract a penalty

This Notice may be amended or revoked by notice from the Welsh Ministers at any time.

Signed by authority of the Welsh Ministers,



Milo Purcell

Deputy Chief Inspector

DWI ref DWR 3514

15 February 2016

Assets Affected	
Asset name	Asset reference
Frampton SRV	R77122
Felindre works	T77100



THE WATER SUPPLY (WATER QUALITY) REGULATIONS 2010

NOTICE UNDER REGULATION 29(4)

DŴR CYMRU WELSH WATER: Z1040G18 Skewen / Llandarcy

Version Number: 1

Z1040G18 Skewen / Llandarcy : Supply System Y8201 Tywi

Improvement Programme Database Reference number – DWR 3515

THE WELSH MINISTERS:

1. have received a report from Dŵr Cymru Welsh Water (the “**Company**”) dated 15 December 2015 (the “**Report**”) which states that there is or has been a significant risk of supplying water from the Skewen / Llandarcy zone that would constitute a potential danger to human health.
2. gives Notice that the Company is required, in order to mitigate the risk, in accordance with Regulation 29(4):

For risks associated with:

- Discolouration and associated customer acceptability due to the condition and operation of the network system

(a) to maintain the existing operational measures set out in the Report and as specified below:

- i. Regulatory sampling of water at Felindre and Cray works and at customers' taps
- ii. Monitoring, tracking and reporting customer contacts
- iii. Responding as required to any PCV failure or customer contact in line with company procedures. Carry out an investigation to determine the root cause of the failure and identify any remedial measures required to prevent a recurrence
- iv. Liaison with local and public health authorities as appropriate
- v. Review risk assessments for customer contacts and update regulation 29 report

(b) to review, revise and/or make operational such measures as are specified below, by the date specified below:

Short term measures

- vi. Complete Distribution zonal study (DZS) including formulating the methodology for mitigating discolouration risk in this zone **by 30 June 2016**
- vii. Ensure optimisation of Felindre and Cray works with 95 percentile less than 20% PCV **Ongoing**

Medium term measures

- viii. Confirmation of programme of work identified through the DZS following cost benefit for customer acceptability **by 31 December 2016**
- ix. Confirmation of success criteria for demonstration of benefit in delivering the proposed programme of work including commencement dates and timescale for demonstration of benefit **by 31 December 2016**

Long term measures

- x. Delivery of programme of work as identified through DZS in Step (b) viii above **by 31 March 2019**

(c) to audit whether the measures have been effective by such means as specified below:

- xi. Define a strategy for auditing the effectiveness of the above measures to include the following **by 29 February 2016**;
 - Monitoring of iron and manganese levels in samples taken from WTW
 - Implementation of enhanced sampling programme throughout the zone for Fe and Mn to 104 per year
 - Review of customer contacts on quarterly basis to measure and monitor change and if necessary escalate remediation as appropriate
 - Drinking Water Safety Plan and regulation 29 reports updated in line with any new information arising
 - Review programme of work and delivery timescales to address priority areas of customer acceptability following updated information
 - Validate benefits delivered against benefits criteria set
 - Technical reports for preferred solutions where choices are available
 - Commissioning, completion and handover certificates for all work carried out in line with the programme as defined in step (b) viii
- xii. Implement the audit strategy outlined in (xi), keep under review, and resubmit when subject to change, until the revocation of this notice.

(d) NA**(e) to provide the following information in such time and manner as specified below to enable monitoring of progress:**

- i. Provide a progress report annually by 31 January (to include progress against audit strategy in c) and at the following key milestones
 - Provision of the output from DZS as indicated in Step b(vi) (1 month after short term measure date) **by 31 July 2016**
 - Provision of the programme of remediation work arising from DZS and criteria for benefit setting as indicated in Step b (viii) (1 month after medium term measure date) **by 31 January 2017**
 - Delivery of remediation identified in Step b (x) (1 month after completion of last scheme) **by 30 April 2019**
 - Initial completion report **by 30 October 2020**
- ii. Review the risk assessment for Z1040G18 as required by Regulation 28(4) and subsequently submit a revised Regulation 29 report (in accordance with Regulation 29(1)) from time to time; and **by 31 July 2019**
- iii. Submit a satisfactory completion report **by 29 October 2021**.

Please be aware that breach by the Company of this Notice may result in an enforcement notice, breach of which may itself attract a penalty

This Notice may be amended or revoked by notice from the Welsh Ministers at any time.

Signed by authority of the Welsh Ministers,



Milo Purcell

Deputy Chief Inspector

DWI ref DWR 3515

15 February 2016

Assets Affected	
Asset name	Asset reference
Tyla Morris SRV	R77328
Ty Canol SRV	R77299
Windmill Hill SRV	R77308
Felindre works	T77100
Cray works	T79086



THE WATER SUPPLY (WATER QUALITY) REGULATIONS 2010

NOTICE UNDER REGULATION 29(4)

DŴR CYMRU WELSH WATER: Z1040G19 Port Talbot

Version Number: 1

Z1040G19 Port Talbot : Supply System Y8201 Tywi area

Improvement Programme Database Reference number – DWR 3516

THE WELSH MINISTERS:

1. have received a report from Dŵr Cymru Welsh Water (the “**Company**”) dated 11 March 2015 (the “**Report**”) which states that there is or has been a significant risk of supplying water from the Port Talbot zone that would constitute a potential danger to human health.
2. gives Notice that the Company is required, in order to mitigate the risk, in accordance with Regulation 29(4):

For risks associated with:

- Discolouration and associated customer acceptability due to the condition and operation of the network system

(a) to maintain the existing operational measures set out in the Report and as specified below:

- i. Regulatory sampling of water at Felindre and Cray works and at customers' taps
- ii. Monitoring, tracking and reporting customer contacts
- iii. Responding as required to any PCV failure or customer contact in line with company procedures. Carry out an investigation to determine the root cause of the failure and identify any remedial measures required to prevent a recurrence
- iv. Liaison with local and public health authorities as appropriate
- v. Review risk assessments for customer contacts and update regulation 29 report

(b) to review, revise and/or make operational such measures as are specified below, by the date specified below:

Short term measures

- vi. Complete Distribution zonal study (DZS) including formulating the methodology for mitigating discolouration risk in this zone **by 30 June 2016**
- vii. Ensure optimisation of Felindre and Cray works with 95 percentile less than 20% PCV **Ongoing**

Medium term measures

- viii. Confirmation of programme of work identified through the DZS following cost benefit for customer acceptability **by 31 July 2018**
- ix. Confirmation of success criteria for demonstration of benefit in delivering the proposed programme of work including commencement dates and timescale for demonstration of benefit **by 31 July 2018**

Long term measures

- x. Delivery of programme of work as identified through DZS in Step (b) viii above **by 31 March 2025**

(c) to audit whether the measures have been effective by such means as specified below:

- xi. Define a strategy for auditing the effectiveness of the above measures to include the following **by 29 February 2016**;
 - Monitoring of iron and manganese levels in samples taken from Felindre and Cray works
 - Implementation of enhanced sampling programme throughout the zone for Fe and Mn to 36 per year
 - Review of customer contacts on quarterly basis to measure and monitor change and if necessary escalate remediation as appropriate
 - Drinking Water Safety Plan and regulation 29 reports updated in line with any new information arising
 - Review programme of work and delivery timescales to address priority areas of customer acceptability following updated information
 - Validate benefits delivered against benefits criteria set
 - Technical reports for preferred solutions where choices are available
 - Commissioning, completion and handover certificates for all work carried out in line with the programme as defined in step (b) viii
- xii. Implement the audit strategy outlined in (xi), keep under review, and resubmit when subject to change, until the revocation of this notice.

(d) NA**(e) to provide the following information in such time and manner as specified below to enable monitoring of progress:**

- i. Provide a progress report annually by 31 January (to include progress against audit strategy in c) and at the following key milestones
 - Provision of the output from DZS as indicated in Step b(vi) (1 month after short term measure date) **by 31 July 2017**
 - Provision of the programme of remediation work arising from DZS and criteria for benefit setting as indicated in Step b (viii) (1 month after medium term measure date) **by 31 August 2018**
 - Delivery of remediation identified in Step b (x) (1 month after completion of last scheme) **by 30 April 2025**
 - Initial completion report **by 30 October 2026**
- ii. Review the risk assessment for Z1040G19 as required by Regulation 28(4) and subsequently submit a revised Regulation 29 report (in accordance with Regulation 29(1)) from time to time; and **by 31 July 2025**
- iii. Submit a satisfactory completion report **by 29 October 2027**.

Please be aware that breach by the Company of this Notice may result in an enforcement notice, breach of which may itself attract a penalty

This Notice may be amended or revoked by notice from the Welsh Ministers at any time.

Signed by authority of the Welsh Ministers,



Milo Purcell

Deputy Chief Inspector

DWI ref DWR 3516

15 February 2016

Assets Affected	
Asset name	Asset reference
Baglan SRV	R77006
Goytre SRV	R77172
Tycoch SRV	R77298
Felindre works	T77100
Cray works	T79086



THE WATER SUPPLY (WATER QUALITY) REGULATIONS 2010

NOTICE UNDER REGULATION 29(4)

DŴR CYMRU WELSH WATER: Z1041G25 Bridgend / Porthcawl

Version Number: 1

Z1041G25 Bridgend / Porthcawl : Supply System Y8201 Tywi area

Improvement Programme Database Reference number – DWR 3517

THE WELSH MINISTERS:

1. have received a report from Dŵr Cymru Welsh Water (the “**Company**”) dated 6 March 2015 (the “**Report**”) which states that there is or has been a significant risk of supplying water from the Bridgend / Porthcawl zone that would constitute a potential danger to human health.
2. gives Notice that the Company is required, in order to mitigate the risk, in accordance with Regulation 29(4):

For risks associated with:

- Discolouration and associated customer acceptability due to the condition and operation of the network system

(a) to maintain the existing operational measures set out in the Report and as specified below:

- i. Regulatory sampling of water at Felindre and Cray water treatment works and at customers' taps
- ii. Monitoring, tracking and reporting customer contacts
- iii. Responding as required to any PCV failure or customer contact in line with company procedures. Carry out an investigation to determine the root cause of the failure and identify any remedial measures required to prevent a recurrence
- iv. Liaison with local and public health authorities as appropriate
- v. Review risk assessments for customer contacts and update regulation 29 report

(b) to review, revise and/or make operational such measures as are specified below, by the date specified below:

Short term measures

- vi. Complete Distribution zonal study (DZS) including formulating the methodology for mitigating discolouration risk in this zone **by 30 June 2016**
- vii. Ensure optimisation of Felindre and Cray works with 95 percentile less than 20% PCV **Ongoing**

Medium term measures

- viii. Confirmation of programme of work identified through the DZS following cost benefit for customer acceptability **by 31 December 2016**
- ix. Confirmation of success criteria for demonstration of benefit in delivering the proposed programme of work including commencement dates and timescale for demonstration of benefit **by 31 December 2016**

Long term measures

- x. Delivery of programme of work as identified through DZS in Step (b) viii above **by 31 March 2020**

(c) to audit whether the measures have been effective by such means as specified below:

- xi. Define a strategy for auditing the effectiveness of the above measures to include the following **by 29 February 2016**;
 - Monitoring of iron and manganese levels in samples taken from Felindre and Cray works
 - Implementation of enhanced sampling programme throughout the zone for Fe and Mn to 104 and 76 per year respectively
 - Review of customer contacts on quarterly basis to measure and monitor change and if necessary escalate remediation as appropriate
 - Drinking Water Safety Plan and regulation 29 reports updated in line with any new information arising
 - Review programme of work and delivery timescales to address priority areas of customer acceptability following updated information
 - Validate benefits delivered against benefits criteria set
 - Technical reports for preferred solutions where choices are available
 - Commissioning, completion and handover certificates for all work carried out in line with the programme as defined in step (b) viii
- xii. Implement the audit strategy outlined in (xi), keep under review, and resubmit when subject to change, until the revocation of this notice.

(d) NA

(e) to provide the following information in such time and manner as specified below to enable monitoring of progress:

- i. Provide a progress report annually by 31 January (to include progress against audit strategy in c) and at the following key milestones
 - Provision of the output from DZS as indicated in Step b(vi) (1 month after short term measure date) **by 31 July 2016**
 - Provision of the programme of remediation work arising from DZS and criteria for benefit setting as indicated in Step b (viii) (1 month after medium term measure date) **by 31 January 2017**
 - Delivery of remediation identified in Step b (x) (1 month after completion of last scheme) **by 30 April 2020**
 - Initial completion report **by 29 October 2021**
- ii. Review the risk assessment for Z1041G25 as required by Regulation 28(4) and subsequently submit a revised Regulation 29 report (in accordance with Regulation 29(1)) from time to time; and **by 31 July 2020**
- iii. Submit a satisfactory completion report **by 28 October 2022**.

Please be aware that breach by the Company of this Notice may result in an enforcement notice, breach of which may itself attract a penalty

This Notice may be amended or revoked by notice from the Welsh Ministers at any time.

Signed by authority of the Welsh Ministers,



Milo Purcell

Deputy Chief Inspector

DWI ref DWR 3517

15 February 2016

Assets Affected	
Asset name	Asset reference
Birchgrove SRV	R77015
Court Colman SRV	R77064
Cefn Hirgoed SRV	R77062
Brackla SRV	R77012
Siggingstone SRV	R77978/R79055
Ty Coch SRV	R77299
Felindre	T77100
Cray	T79086



THE WATER SUPPLY (WATER QUALITY) REGULATIONS 2010

NOTICE UNDER REGULATION 29(4)

DŴR CYMRU WELSH WATER: Z1041G27 Pencoed / Bridgend Valleys

Version Number: 1

Z1041G27 Pencoed / Bridgend Valleys : Supply System Y8201 Tywi

Improvement Programme Database Reference number – DWR 3518

THE WELSH MINISTERS:

1. have received a report from Dŵr Cymru Welsh Water (the “**Company**”) dated 16 December 2015 (the “**Report**”) which states that there is or has been a significant risk of supplying water from the Pencoed / Bridgend Valleys zone that would constitute a potential danger to human health.
2. gives Notice that the Company is required, in order to mitigate the risk, in accordance with Regulation 29(4):

For risks associated with:

- Discolouration and associated customer acceptability due to the condition and operation of the network system

(a) to maintain the existing operational measures set out in the Report and as specified below:

- i. Regulatory sampling of water at Felindre and Cray works and at customers' taps
- ii. Monitoring, tracking and reporting customer contacts
- iii. Responding as required to any PCV failure or customer contact in line with company procedures. Carry out an investigation to determine the root cause of the failure and identify any remedial measures required to prevent a recurrence
- iv. Liaison with local and public health authorities as appropriate
- v. Review risk assessments for customer contacts and update regulation 29 report

(b) to review, revise and/or make operational such measures as are specified below, by the date specified below:

Short term measures

- vi. Complete Distribution zonal study (DZS) including formulating the methodology for mitigating discolouration risk in this zone **by 30 June 2016**
- vii. Ensure optimisation of Felindre and Cray works with 95 percentile less than 20% PCV **Ongoing**

Medium term measures

- viii. Confirmation of programme of work identified through the DZS following cost benefit for customer acceptability **by 31 December 2016**
- ix. Confirmation of success criteria for demonstration of benefit in delivering the proposed programme of work including commencement dates and timescale for demonstration of benefit **by 31 December 2016**

Long term measures

- x. Delivery of programme of work as identified through DZS in Step (b) viii above **by 31 March 2020**

(c) to audit whether the measures have been effective by such means as specified below:

- xi. Define a strategy for auditing the effectiveness of the above measures to include the following **by 29 February 2016**;
 - Monitoring of iron and manganese levels in samples taken from Felindre and Cray works
 - Implementation of enhanced sampling programme throughout the zone for Fe and Mn to 104 and 52 per year respectively
 - Review of customer contacts on quarterly basis to measure and monitor change and if necessary escalate remediation as appropriate
 - Drinking Water Safety Plan and regulation 29 reports updated in line with any new information arising
 - Review programme of work and delivery timescales to address priority areas of customer acceptability following updated information
 - Validate benefits delivered against benefits criteria set
 - Technical reports for preferred solutions where choices are available
 - Commissioning, completion and handover certificates for all work carried out in line with the programme as defined in step (b) viii
- xii. Implement the audit strategy outlined in (xi), keep under review, and resubmit when subject to change, until the revocation of this notice.

(d) NA

(e) to provide the following information in such time and manner as specified below to enable monitoring of progress:

- i. Provide a progress report annually by 31 January (to include progress against audit strategy in c) and at the following key milestones
 - Provision of the output from DZS as indicated in Step b(vi) (1 month after short term measure date) **by 31 July 2016**
 - Provision of the programme of remediation work arising from DZS and criteria for benefit setting as indicated in Step b (viii) (1 month after medium term measure date) **by 31 January 2017**
 - Delivery of remediation identified in Step b (x) (1 month after completion of last scheme) **by 30 April 2020**
 - Initial completion report **by 29 October 2021**
- ii. Review the risk assessment for Z1041G27 as required by Regulation 28(4) and subsequently submit a revised Regulation 29 report (in accordance with Regulation 29(1)) from time to time; and **by 31 July 2020**
- iii. Submit a satisfactory completion report **by 31 October 2022**.

Please be aware that breach by the Company of this Notice may result in an enforcement notice, breach of which may itself attract a penalty

This Notice may be amended or revoked by notice from the Welsh Ministers at any time.

Signed by authority of the Welsh Ministers,



Milo Purcell

Deputy Chief Inspector

DWI ref DWR 3518

15 February 2016

Assets Affected	
Asset name	Asset reference
Cefn Hirgoed SRV	R77062
New Forest SRV	R67287
Llangeinor SRV	R79093
Red Cow SRV	R77282
Pontycymmer SRV	R79083
Garw Nanthir (Blaengarw) SRV	R79084
Felindre works	T77100
Cray works	T79086



THE WATER SUPPLY (WATER QUALITY) REGULATIONS 2010

NOTICE UNDER REGULATION 29(4)

DŴR CYMRU WELSH WATER: Z1052N10 Merthyr / Abercynon

Version Number: 1

Z1052N10 Merthyr / Abercynon : Supply System Y8120 Pontsticill Low Level

Improvement Programme Database Reference number – DWR 3519

THE WELSH MINISTERS:

1. have received a report from Dŵr Cymru Welsh Water (the “**Company**”) dated 7 March 2015 (the “**Report**”) which states that there is or has been a significant risk of supplying water from the Merthyr / Abercynon zone that would constitute a potential danger to human health.
2. gives Notice that the Company is required, in order to mitigate the risk, in accordance with Regulation 29(4):

For risks associated with:

- Discolouration and associated customer acceptability due to the condition and operation of the network system

(a) to maintain the existing operational measures set out in the Report and as specified below:

- i. Regulatory sampling of water at Pontsticill, Llwynon and Cantref works and at customers' taps
- ii. Monitoring, tracking and reporting customer contacts
- iii. Responding as required to any PCV failure or customer contact in line with company procedures. Carry out an investigation to determine the root cause of the failure and identify any remedial measures required to prevent a recurrence
- iv. Liaison with local and public health authorities as appropriate
- v. Review risk assessments for customer contacts and update regulation 29 report

(b) to review, revise and/or make operational such measures as are specified below, by the date specified below:

Short term measures

- vi. Complete Distribution zonal study (DZS) including formulating the methodology for mitigating discolouration risk in this zone **by 30 June 2016**
- vii. Ensure optimisation of Pontsticill, Llwynon and Cantref works with 95 percentile less than 20% PCV **Ongoing**

Medium term measures

- viii. Confirmation of programme of work identified through the DZS following cost benefit for customer acceptability **by 31 December 2016**
- ix. Confirmation of success criteria for demonstration of benefit in delivering the proposed programme of work including commencement dates and timescale for demonstration of benefit **by 31 December 2016**

Long term measures

- x. Delivery of programme of work as identified through DZS in Step (b) viii above **by 31 March 2020**

(c) to audit whether the measures have been effective by such means as specified below:

- xi. Define a strategy for auditing the effectiveness of the above measures to include the following **by 29 February 2016**;
 - Monitoring of iron and manganese levels in samples taken from Pontsticill, Llwynon and Cantref works
 - Implementation of enhanced sampling programme throughout the zone for Fe and Mn to 104 and 52 per year respectively
 - Review of customer contacts on quarterly basis to measure and monitor change and if necessary escalate remediation as appropriate
 - Drinking Water Safety Plan and regulation 29 reports updated in line with any new information arising
 - Review programme of work and delivery timescales to address priority areas of customer acceptability following updated information
 - Validate benefits delivered against benefits criteria set
 - Technical reports for preferred solutions where choices are available
 - Commissioning, completion and handover certificates for all work carried out in line with the programme as defined in step (b) viii
- xii. Implement the audit strategy outlined in (xi), keep under review, and resubmit when subject to change, until the revocation of this notice.

(d) NA

(e) to provide the following information in such time and manner as specified below to enable monitoring of progress:

- i. Provide a progress report annually by 31 January (to include progress against audit strategy in c) and at the following key milestones
 - Provision of the output from DZS as indicated in Step b(vi) (1 month after short term measure date) **by 31 July 2016**
 - Provision of the programme of remediation work arising from DZS and criteria for benefit setting as indicated in Step b (viii) (1 month after medium term measure date) **by 31 January 2017**
 - Delivery of remediation identified in Step b (x) (1 month after completion of last scheme) **by 30 April 2020**
 - Initial completion report **by 29 October 2021**
- ii. Review the risk assessment for Z1052N10 as required by Regulation 28(4) and subsequently submit a revised Regulation 29 report (in accordance with Regulation 29(1)) from time to time; and **by 31 July 2020**
- iii. Submit a satisfactory completion report **by 31 October 2022**.

Please be aware that breach by the Company of this Notice may result in an enforcement notice, breach of which may itself attract a penalty

This Notice may be amended or revoked by notice from the Welsh Ministers at any time.

Signed by authority of the Welsh Ministers,



Milo Purcell

Deputy Chief Inspector

DWI ref DWR 3519

15 February 2016

Assets Affected	
Asset name	Asset reference
Abercynon No 1 SRV	R67313
Abercynon No 2 SRV	R301327
Pengarnddu New SRV	R301166
Pengarnddu SRV	R67291
Llwydcoed Combined SRV	R300271
Nantddu SRV	R300280
Penybryn SRV	R67292
Penrhiwceiber SRV	R67312
Pontsticill	T67034
Llwynon	T67149
Cantref	T67151



THE WATER SUPPLY (WATER QUALITY) REGULATIONS 2010

NOTICE UNDER REGULATION 29(4)

DŴR CYMRU WELSH WATER: Z1062H12 Hereford South

Version Number: 1

Z1062H12 Hereford South : Supply System Y8103 Hereford

Improvement Programme Database Reference number – DWR 3520

THE WELSH MINISTERS:

1. have received a report from Dŵr Cymru Welsh Water (the “**Company**”) dated 7 March 2015 (the “**Report**”) which states that there is or has been a significant risk of supplying water from the Hereford South zone that would constitute a potential danger to human health.
2. gives Notice that the Company is required, in order to mitigate the risk, in accordance with Regulation 29(4):

For risks associated with:

- Discolouration and associated customer acceptability due to the condition and operation of the network system

(a) to maintain the existing operational measures set out in the Report and as specified below:

- i. Regulatory sampling of water at Broomy Hill works and at customers' taps
- ii. Monitoring, tracking and reporting customer contacts
- iii. Responding as required to any PCV failure or customer contact in line with company procedures. Carry out an investigation to determine the root cause of the failure and identify any remedial measures required to prevent a recurrence
- iv. Liaison with local and public health authorities as appropriate
- v. Review risk assessments for customer contacts and update regulation 29 report

(b) to review, revise and/or make operational such measures as are specified below, by the date specified below:

Short term measures

- vi. Complete Distribution zonal study (DZS) including formulating the methodology for mitigating discolouration risk in this zone **by 30 June 2016**
- vii. Ensure optimisation of Broomy Hill works with 95 percentile less than 20% PCV **Ongoing**

Medium term measures

- viii. Confirmation of programme of work identified through the DZS following cost benefit for customer acceptability **by 31 July 2018**
- ix. Confirmation of success criteria for demonstration of benefit in delivering the proposed programme of work including commencement dates and timescale for demonstration of benefit **by 31 July 2018**

Long term measures

- x. Delivery of programme of work as identified through DZS in Step (b) viii above **by 31 March 2025**

(c) to audit whether the measures have been effective by such means as specified below:

- xi. Define a strategy for auditing the effectiveness of the above measures to include the following **by 29 February 2016**;
 - Monitoring of iron and manganese levels in samples taken from Broomy Hill works
 - Implementation of enhanced sampling programme throughout the zone for Fe and Mn to 76 and 36 per year respectively
 - Review of customer contacts on quarterly basis to measure and monitor change and if necessary escalate remediation as appropriate
 - Drinking Water Safety Plan and regulation 29 reports updated in line with any new information arising
 - Review programme of work and delivery timescales to address priority areas of customer acceptability following updated information
 - Validate benefits delivered against benefits criteria set
 - Technical reports for preferred solutions where choices are available
 - Commissioning, completion and handover certificates for all work carried out in line with the programme as defined in step (b) viii
- xii. Implement the audit strategy outlined in (xi), keep under review, and resubmit when subject to change, until the revocation of this notice.

(d) NA**(e) to provide the following information in such time and manner as specified below to enable monitoring of progress:**

- i. Provide a progress report annually by 31 January (to include progress against audit strategy in c) and at the following key milestones
 - Provision of the output from DZS as indicated in Step b(vi) (1 month after short term measure date) **by 31 July 2016**
 - Provision of the programme of remediation work arising from DZS and criteria for benefit setting as indicated in Step b (viii) (1 month after medium term measure date) **by 31 August 2018**
 - Delivery of remediation identified in Step b (x) (1 month after completion of last scheme) **by 30 April 2025**
 - Initial completion report **by 30 October 2026**
- ii. Review the risk assessment for Z1062H12 as required by Regulation 28(4) and subsequently submit a revised Regulation 29 report (in accordance with Regulation 29(1)) from time to time; and **by 31 July 2025**
- iii. Submit a satisfactory completion report **by 29 October 2027**.

Please be aware that breach by the Company of this Notice may result in an enforcement notice, breach of which may itself attract a penalty

This Notice may be amended or revoked by notice from the Welsh Ministers at any time.

Signed by authority of the Welsh Ministers,



Milo Purcell

Deputy Chief Inspector

DWI ref DWR 3520

15 February 2016

Assets Affected	
Asset name	Asset reference
Aconbury SRV	R54004
Cockshoot SRV	R54120
Ridgehill SRV	R54602
Broomy Hill	T54063