Event duration monitoring data return: user guide

Guidance note

Reference number: GN035

Document Owner: Head of Business, Permitting and Regulation

What is this document about?

This guidance should be used when submitting EDM data to NRW via the following EDM data return templates:

- Bathing Water storm overflow EDM return
- Annual (including Shellfish Waters) storm overflow EDM return
- Annual Emergency Overflow and Unpermitted Storm Overflow EDM return

Who is this document for?

This document is for water companies who submit EDM data to NRW

Contact for queries and feedback

Email the Water, Land, Biodiversity and Marine Regulatory Approaches Team: WLBMRA@cyfoethnaturiolcymru.gov.uk

Version History

Document Version	Date Published	Summary of Changes
1.0	December 2022	Document published

Review Date: October 2023

To report issues or problems with this guidance contact Guidance Development

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1. General guidance

- The EDM Data Returns should be used to provide a record for **all overflows** with EDM monitors.
- The Bathing Water (only) storm overflow EDM return and the Annual (incl. Shellfish Waters) storm overflow EDM return are regulatory returns (i.e. required by conditions in permits).
- Reported spill data (count and duration) and EDM operation data (%) should be considered reliable and an accurate representation of the spills that occurred during the reporting period. Where possible the data should have been quality assured.
- EDM data is public register information (as defined by the Environmental Permitting Regulations 2016).
- Data that is known to be erroneous should not be reported on. This period of essentially no data would be reflected in the % operation column as nil EDM device operation during this time.
- Data should be as accurate as possible and should be collected in line with industry best practice, for example CIWEM: Event duration monitoring good practice guide, version 3, 2021 (PDF)
- When adding data for any additional overflows to the return please add these to the top of the spreadsheet and highlight these. Populate all necessary columns
- EDM data for overflows permitted as emergency overflows or for unpermitted storm overflows should be submitted using the Annual Emergency Overflow and Unpermitted Storm Overflow EDM return.
- The information contained in columns A to M (highlighted grey in the templates) should only need to be entered once.
- Base information (e.g. permit reference, site name etc.) on overflows must directly match the data NRW holds on its' permit database (PaLS system).
- Where EDM Percentage time EDM operational (column V) is <90%, subsequent column "Primary Reason" (column W) must be completed.
- The completed EDM return templates should be sent to EDM@cyfoethnaturiolcymru.gov.uk using the following file name conventions:
    - Bathing Water Storm Overflow EDM return - [WaSC acronym] [YYYY]
    - Annual (incl. Shellfish Waters) Storm Overflow EDM return – [WaSC acronym] [YYYY]
    - Annual Emergency Overflow and Unpermitted Storm Overflow EDM return – [WaSC acronym] [YYYY]

  Please **include the same information in the email subject header**.

2. Guide to template columns and drop-down selection

2.1 All overflows fitted with EDM equipment

In most cases, columns A to M (Coloured grey in the templates) should only need completing once.

Use the following guidance when completing the Bathing Water storm overflow EDM return and the annual (including Shellfish Waters) storm overflow EDM return.

Refer to the guidance in section 2.4.1 and section 2.4.2 for specific guidance about how to complete columns A to M for the Annual Emergency Overflow and Unpermitted Storm Overflow EDM returns.

NRW Permit Reference (Column A)

- Must exactly match with information in NRW permit's database (PaLS)
- This data will be supplied by NRW

Permitted Site Name (Column B)

- Enter site name that exactly matches with information in NRW permits database (PaLS)
- This data will be supplied by NRW

No. of "effluents and discharge points" (Column C)

- Enter the number of discharge points that the permit applies to
- In most cases this will be 1, but in some cases there could be more than 1 discharge point
- This data will be supplied by the WaSC

Sample Point Reference Number (column D)

- this data will be supplied by NRW

EDM effective date (Column E)

- EDM data must be supplied from this date onwards
- this data will be supplied by NRW

EDM surrender date (Column F)

- EDM data will not need to be recorded or supplied after this date
- this data will be supplied by the WaSC

Water Company's asset ID (Column G)

- Water company's unique Asset ID. Use only the CSO asset id not the `parent' asset (if there is one).
- This data will be supplied by the WaSC

Water Company's sewerage catchment (Column H)

- WaSC operational area
- This data will be supplied by the WaSC

Storm discharge asset type (Column I)

- Clearly categorise the type of overflow using the drop-down categories shown below
- This data will be supplied by the WaSC

Table 1: Drop-down categories column I

Category	Definition
Storm Overflow on sewer network	On sewer network – SO This can be direct or associated with a network storm tank Not associated with pumping station
Storm discharge at pumping station	On sewer network – pumping station
Inlet Storm Overflow at WwTW	Storm overflow (direct to the environment), permitted as part of a WwTW permit Exception is storm tank - see note below
Storm tank at WwTW	Storm overflow via a storm tank, permitted as part of a WwTW permit Note this can be physically remote from the WwTW
Other storm discharge asset type	Any storm overflow that does not clearly align with the four categories above. These may be used to develop future drop-down categories.

NRW's Environment Team (column J)

- NRW operational area
- This data will be supplied by NRW

Receiving WFD Waterbody ID (Column K)

- Input the WFD waterbody identification number e.g. GB110058032430 at discharge point
- this data will be supplied by NRW

Receiving WFD waterbody name (Column L)

- Enter name of receiving watercourse if discharging to an inland watercourse or transitional waterbody
- Must match information contained in the NRW permit database (PaLS)
- No requirement to add any information if the discharge is to the sea.
- This data will be supplied by NRW

Outlet Discharge NGR (Column M)

- Actual discharge point to the environment
- Units are a ten-figure national grid reference
- This data will be supplied by NRW

2.2 Bathing Water (only) storm overflow EDM return

Use template called: Bathing Water storm overflow EDM return

Complete columns N to Y **if the permit contains bathing water trigger conditions** (in addition to columns A to M)

Name of bathing water (Column N)

- Input name of bathing water/s impacted by discharges from the overflow
- WaSC will supply this data

Number of block counted spills in bathing water season (Column O)

- Refer to block counting methodology contained in schedule 6 of the permits
- Input number
- This data will be supplied by the WaSC

Number of significant block counted spills in bathing water season (Column P)

- This only applies to permits with triggers
- Refer to block counting methodology contained in schedule 6 of the permit
- Input number from EDM data
- This data will be supplied by the WaSC

Duration of all spills in bathing water season (Column Q)

- Input number of hours (from EDM data)
- Units are decimal hours to two decimal places.
- This data will be supplied by the WaSC

Duration of significant spills in bathing water season (Column R)

- This only applies to permits with triggers
- Input number of hours (from EDM data)
- Units are decimal hours to two decimal places.
- This data will be supplied by the WaSC

Bathing water trigger limit (Column S)

- Input number from permit
- This data will be supplied by NRW

Has bathing water trigger been exceeded? (Column T)

- WaSC must select Y/N
- Only select if exceeded in this calendar year
- WaSC will supply this data

Date bathing water trigger exceeded (Column U)

- input date e.g. 01/01/22
- WaSC will supply this data

Percentage time EDM Operational - bathing water season (Column V)

- Use EDM effective date (column E)
- e.g. EDM permit conditions come into force in September of reporting year then 100% reporting period would be Sep-Dec
- Units are % to two decimal places
- This data will be supplied by the WaSC

Primary reason if % time operational <90% - bathing water season (Column W)

- Captures information on why reporting data is missing
- Category must be selected when period of EDM operation (column V) is less than 90%
- Select primary reason only if more than one category applies
- Could use additional comments (column Y) to capture other reasons
- Select category from table below
- This data will be supplied by the WaSC

Table 2: Drop-down categories column W

Category	**Description**
Access – Unable to retrieve data from non-telemetry data logger Note: **not to be used** for delayed access to fix existing fault	When access causes inability to retrieve data e.g. landowner permission. Consider core reason – if caused by poor installation or design then select “Installation set-up/design issue” category instead.
Capital / maintenance works affect EDM operation	Where planned works affect EDM operation. Consider core reason – if caused by poor installation or design then select “Installation set-up/design issue” category instead.
Comms failure / issue	Any part of communication failure e.g. intermittent signal or antenna damage. Consider core reason – if caused by poor installation or design then select “Installation set-up/design issue”

Category	Description
	category instead. Similar if comms loss caused by power failure – select “Power failure / issue” instead
Installation set-up / design issue	When installation or design affects EDM operability, for example: • choice of location • original design location cannot distinguish between two overflows and original EDM needs to be relocated to more representative point • original design location affected by river ingress and EDM requires relocation • alternative monitor type required
Power failure / issue	Any part of power failure, e.g. loss of mains supply / battery fault Consider core reason – if caused by cutting through cable then select “Capital / maintenance works” category instead
Sensor failure / issue	Any part of sensor failure e.g. water ingress to connection between sensor and logger. Consider core reason – if water ingress caused by poor choice of location for installation and requires adjustment then select “Installation set-up/design issue” category instead.
Telemetry or data archiving failure / issue	Any part of telemetry failure, e.g. dial-in or storage/sending of data problems. Consider core reason – if archiving problem caused by power fault or incorrect installation then use “Power failure / issue” or ”Installation set-up/design issue” categories respectively. Similar if data transfer caused by intermittent signal – select “Comms failure / issue” instead
No longer operational as an overflow – permit revoked or to be revoked	Select this category if the overflow is no longer operational but the permit is still in force For example if the overflow is no longer need and has been sealed up but the permit has not been revoked

Category	Description
Other	Should only be used as a last resort if circumstances do not fit into the ones listed in the table above

Date range/s data unavailable (Column X)

- Enter date range(s) EDM data unavailable e.g. 1/9/22-1/10/22
- If there are lots of short periods when data is not recorded please insert a suitable comment in column Y e.g. frequent short duration intermittent data loss during the year
- This data will be supplied by the WaSC

Additional comments (Column Y)

- This data will be supplied by the WaSC

2.3 Annual (including Shellfish Waters) storm overflow EDM return

Use template: Annual (including Shellfish Waters) storm overflow EDM return for permits that have shellfish trigger conditions and permits with no trigger conditions

Complete columns N to Z for all sites that meet the criteria above (in addition to columns A to M)

Name of Shellfish Water (Column N)

- Enter the name of the shellfish water potentially impacted by discharge from the storm overflow
- name of shellfishery can be found from AMP investment reports
- This data will be supplied by the WaSC

Number of block counted spills-annual (Column O)

- Refer to block counting methodology contained in schedule 6 of the permit
- This data will be supplied by the WaSC
- If there are no spills, please enter 0. Do not leave the column blank

Number of significant block counted spills (Column P)

- This only applies to permits with triggers
- Refer to block counting methodology contained in schedule 6 of the permit
- This data will be supplied by the WaSC
- If there are no spills, please enter 0
- Do not leave the column blank, enter N/A if needed

Duration of all spills-annual (Column Q)

- Units are decimal hours to two decimal places.
- This data will be supplied by the WaSC

- If there are no spills, please enter 0. Do not leave the column blank

Duration of significant spills- annual (Column R)

- This only applies to permits with triggers
- Units are decimal hours to two decimal places
- This data will be supplied by the WaSC
- If there are no spills, please enter 0. Do not leave the column blank

Shellfish water trigger limit (Column S)

- NRW will supply this data

Has shellfish water trigger been exceeded? (Column T)

- WaSC must select Y/N
- Only select if exceeded in this calendar year
- WaSC will supply this data

Date shellfish water trigger exceeded (Column U)

- WaSC will supply this data
- input date e.g. 01/01/22

Percentage time EDM Operational (Column V)

- Use EDM effective date (column E)
- e.g. EDM permit conditions come into force in September of reporting year then 100% reporting period would be Sep-Dec
- Units are % to two decimal places
- This data will be supplied by the WaSC

Primary reason if % time operational <90% (Column W)

- Captures information on why reporting data is missing
- Category **must** be selected when period of EDM operation (column V) is less than 90%
- Select primary reason only if more than one category applies
- Could use additional comments (column Q) to capture other reasons
- Select category from table below
- This data will be supplied by the WaSC

Table 3: Drop-down categories column W

Category	Description
Access – Unable to retrieve data from non-telemetry data logger	When access causes inability to retrieve data, e.g. landowner permission. Consider core reason – if caused by poor installation or design then select “Installation set-up/design issue” category instead.

Category	Description
Note: **not to be used** for delayed access to fix existing fault	
Capital / maintenance works affect EDM operation	Where planned works affect EDM operation. Consider core reason – if caused by poor installation or design then select “Installation set-up/design issue” category instead.
Comms failure / issue	Any part of communication failure, e.g. intermittent signal or antenna damage. Consider core reason – if caused by poor installation or design then select “Installation set-up/design issue” category instead. Similar if comms loss caused by power failure – select “Power failure / issue” instead
Installation set-up / design issue	When installation or design (e.g. choice of location) affects EDM operability. e.g. Original design location cannot distinguish between two overflows and original EDM needs to be relocated to more representative point e.g. Original design location affected by river ingress and EDM requires relocation e.g. Alternative monitor type required
Power failure / issue	Any part of power failure, e.g. loss of mains supply / battery fault Consider core reason – if caused by cutting through cable then select “Capital / maintenance works” category instead
Sensor failure / issue	Any part of sensor failure e.g. water ingress to connection between sensor and logger. Consider core reason – if water ingress caused by poor choice of location for installation and requires adjustment then select “Installation set-up/design issue” category instead.

Category	Description
Telemetry or data archiving failure / issue	Any part of telemetry failure e.g. dial-in or storage/sending of data problems. Consider core reason – if archiving problem caused by power fault or incorrect installation then use “Power failure / issue” or ”Installation set-up/design issue” categories respectively. Similar if data transfer caused by intermittent signal – select “Comms failure / issue” instead
No longer operational as an overflow – permit revoked or to be revoked	Select this category if the overflow is no longer operational but the permit is still in force For example if the overflow is no longer need and has been sealed up but the permit has not been revoked
Other	Should only be used as a last resort if circumstances do not fit into the ones listed in the table above

Date range/s data unavailable (Column X)

- Enter date range(s) EDM data unavailable e.g. 1/9/22-1/10/22
- If there are lots of short periods when data is not recorded please insert a suitable comment in column Y e.g. frequent short duration intermittent data loss during the year
- This data will be supplied by the WaSC

Additional comments (Column Y)

- This data will be supplied by the WaSC

2.4 Annual Emergency Overflow and Unpermitted Storm Overflow EDM return

Use template: Annual Emergency Overflow and Unpermitted Storm Overflow EDM return for unpermitted storm overflows and emergency overflows that have EDM equipment installed.

This file consists of two worksheets that need completing.

2.4.1 Emergency Overflow (EO) EDM return worksheet

Use this worksheet for Emergency Overflows (EOs) acting as EOs that have EDM equipment installed.

NRW Permit Reference (Column A)

- Must exactly match with information in NRW permit's database (PaLS)
- This data will be supplied by NRW

Permitted Site Name (Column B)

- Enter site name that exactly matches with information in NRW permits database (PaLS)
- This data will be supplied by NRW

No. of "effluents and discharge points" (Column C)

- Enter the number of discharge point that the permit applies to.
- In most cases this will be 1, but in some cases there could be more than 1 discharge point
- This data will be supplied by the WaSC

Sample Point Reference Number (column D)

- This data will be supplied by NRW

EDM effective date (Column E)

- Not applicable. Do not input any data in this column

EDM surrender date (Column F)

- Not applicable. Do not input any data in this column

Water Company's asset ID (Column G)

- Water company's unique Asset ID. Use only the CSO asset id not the `parent' asset (if there is one).
- This data will be supplied by the WaSC

Water Company's sewerage catchment (Column H)

- WaSC operational area
- This data will be supplied by the WaSC

Storm discharge asset type (Column I)

- Clearly categorise the type of overflow using the drop-down categories shown below
- This data will be supplied by the WaSC

Table 4: Drop-down categories column I

Category	Definition
EO at pumping station	Emergency overflow associated with a pumping station

Category	Definition
EO at WwTW	Emergency overflow associated with a wastewater treatment works
Other EO asset type	Detailed comment required

NRW's Environment Team (column J)

- NRW operational area
- This data will be supplied by NRW

Receiving WFD Waterbody ID (Column K)

- Input the WFD waterbody identification number e.g. GB110058032430 at discharge point
- this data will be supplied by NRW

Receiving WFD waterbody name (Column L)

- Enter name of receiving watercourse if discharging to an inland watercourse or transitional waterbody
- Must match information contained in the NRW permit database (PaLS)
- No requirement to add any information if the discharge is to the sea
- This data will be supplied by NRW

Outlet Discharge NGR (Column M)

- Actual discharge point to the environment
- Units are a ten-figure national grid reference
- This data will be supplied by NRW

Name of Shellfish Water (Column N)

- Not applicable. Do not input any data in this column
- Number of block counted spills-annual (Column O)
- Refer to block counting methodology contained in schedule 6 of the permit
- This data will be supplied by the WaSC
- If there are no spills, please enter 0. Do not leave the column blank

Number of significant block counted spills (Column P)

- This only applies to permits with Shellfish Water triggers
- Refer to block counting methodology contained in schedule 6 of the permit
- This data will be supplied by the WaSC
- If there are no spills, please enter 0
- Do not leave the column blank, enter N/A if needed

Duration of all spills-annual (Column Q)

- Units are decimal hours to two decimal places.

- This data will be supplied by the WaSC
- If there are no spills, please enter 0. Do not leave the column blank

Duration of significant spills- annual (Column R)

- This only applies to permits with Shellfish Water triggers
- Units are decimal hours to two decimal places
- This data will be supplied by the WaSC
- If there are no spills, please enter 0. Do not leave the column blank

Shellfish water trigger limit (Column S)

- Not applicable. Do not input any data in this column

Has shellfish water trigger been exceeded? (Column T)

- Not applicable. Do not input any data in this column

Date shellfish water trigger exceeded (Column U)

- Not applicable. Do not input any data in this

Percentage time EDM Operational (Column V)

- Units are % to two decimal places
- This data will be supplied by the WaSC

Primary reason if % time operational <90% (Column W)

- Captures information on why reporting data is missing
- Category **must** be selected when period of EDM operation (column V) is less than 90%
- Select primary reason only if more than one category applies
- Could use additional comments (column Q) to capture other reasons
- Select category from table below
- This data will be supplied by the WaSC

Table 5: Drop-down categories column W

Category	**Description**
Access – Unable to retrieve data from non-telemetry data logger Note: **not to be used** for delayed access to fix existing fault	When access causes inability to retrieve data e.g. landowner permission. Consider core reason – if caused by poor installation or design then select “Installation set-up/design issue” category instead.
Capital / maintenance works affect EDM operation	Where planned works affect EDM operation.

Category	Description
	Consider core reason – if caused by poor installation or design then select “Installation set-up/design issue” category instead.
Comms failure / issue	Any part of communication failure e.g. intermittent signal or antenna damage. Consider core reason – if caused by poor installation or design then select “Installation set-up/design issue” category instead. Similar if comms loss caused by power failure – select “Power failure / issue” instead
Installation set-up / design issue	When installation or design, e.g. choice of location, affects EDM operability. e.g. Original design location cannot distinguish between two overflows and original EDM needs to be relocated to more representative point e.g. Original design location affected by river ingress and EDM requires relocation e.g. Alternative monitor type required
Power failure / issue	Any part of power failure e.g. loss of mains supply / battery fault Consider core reason – if caused by cutting through cable then select “Capital / maintenance works” category instead
Sensor failure / issue	Any part of sensor failure e.g. water ingress to connection between sensor and logger. Consider core reason – if water ingress caused by poor choice of location for installation and requires adjustment then select “Installation set-up/design issue” category instead.
Telemetry or data archiving failure / issue	Any part of telemetry failure e.g. dial-in or storage/sending of data problems. Consider core reason – if archiving problem caused by power fault or incorrect installation then use “Power failure / issue” or ”Installation set-up/design issue” categories respectively. Similar if data transfer caused

Category	Description
	by intermittent signal – select “Comms failure / issue” instead
No longer operational as an overflow – permit revoked or to be revoked	Select this category if the overflow is no longer operational but the permit is still in force For example if the overflow is no longer need and has been sealed up but the permit has not been revoked
Other	Should only be used as a last resort if circumstances do not fit into the ones listed in the table above

Date range/s data unavailable (Column X)

- Enter date range(s) EDM data unavailable e.g. 1/9/22-1/10/22
- If there are lots of short periods when data is not recorded please insert a suitable comment in column Y e.g. frequent short duration intermittent data loss during year
- This data will be supplied by the WaSC

Additional comments (Column Y)

- This data will be supplied by the WaSC

2.4.2 Unpermitted storm overflow EDM return worksheet

Use this worksheet for **EOs acting as Storm Overflows and unpermitted Storm Overflows.**

NRW Permit Reference (Column A)

- (only complete if permitted as an EO, use N/A if unpermitted asset)
- This data will be supplied by the WaSC

Site Name (Column B)

- This data will be supplied by the WaSC

No. of "effluents and discharge points" (Column C)

- Enter the number of discharge point that the permit applies to.
- In most cases this will be 1, but in some cases there could be more than 1 discharge point.
- This data will be supplied by the WaSC

Sample Point Reference Number (column D)

- Not applicable for this return as not permitted for EDM.

- Do not input any data in this column

EDM effective date (Column E)

- Not applicable for this return as not permitted for EDM
- Do not input any data in this column

EDM surrender date (Column F)

- Not applicable for this return as not permitted for EDM
- Do not input any data in this column

Water Company's asset ID (Column G)

- Water company's unique Asset ID. Use only the CSO asset ID not the `parent' asset (if there is one)
- This data will be supplied by the WaSC

Water Company's sewerage catchment (Column H)

- WaSC operational area
- This data will be supplied by the WaSC

Storm discharge asset type (Column I)

- Clearly categorise the type of overflow using the drop-down categories shown below
- This data will be supplied by the WaSC

Table 6: Drop-down categories column I

Category	Definition
Storm Overflow on sewer network	On sewer network – SO This can be direct or associated with a network storm tank Not associated with pumping station
Storm discharge at pumping station	On sewer network – pumping station
Inlet Storm Overflow at WwTW	Storm overflow (direct to the environment), permitted as part of a WwTW permit Exception is storm tank - see note below
Storm tank at WwTW	Storm overflow via a storm tank, permitted as part of a WwTW permit

Category	Definition
	Note this can be physically remote from the WwTW
Other storm discharge asset type	Any storm overflow that does not clearly align with the four categories above. These may be used to develop future drop-down categories.
EO at pumping station	Emergency overflow associated with a pumping station
EO at WwTW	Emergency overflow associated with a wastewater treatment works
Other EO asset type	Detailed comment required

NRW's Environment Team (column J)

- NRW operational area
- This data will be supplied by NRW

Receiving WFD Waterbody ID (Column K)

- Input the WFD waterbody identification number e.g. GB110058032430 at discharge point
- this data will be supplied by NRW

Receiving WFD waterbody name (Column L)

- Enter name of receiving watercourse if discharging to an inland watercourse or transitional waterbody
- Must match information contained in the NRW permit database (PaLS)
- No requirement to add any information if the discharge is to the sea
- This data will be supplied by NRW

Outlet Discharge NGR (Column M)

- Actual discharge point to the environment
- Units are a ten-figure national grid reference
- This data will be supplied by NRW

Name of Shellfish Water (Column N)

- Not applicable. Do not input any data in this column

Number of block counted spills-annual (Column O)

- Refer to block counting methodology contained in schedule 6 of the permit
- This data will be supplied by the WaSC

- If there are no spills, please enter 0. Do not leave the column blank

Number of significant block counted spills (Column P)

- This only applies to permits with Shellfish Water triggers
- Refer to block counting methodology contained in schedule 6 of the permit
- This data will be supplied by the WaSC
- If there are no spills, please enter 0
- Do not leave the column blank, enter N/A if needed

Duration of all spills-annual (Column Q)

- Units are decimal hours to two decimal places
- This data will be supplied by the WaSC
- If there are no spills, please enter 0. Do not leave the column blank

Duration of significant spills- annual (Column R)

- Units are decimal hours to two decimal places
- This data will be supplied by the WaSC
- If there are no spills, please enter 0. Do not leave the column blank

Shellfish water trigger limit (Column S)

- Not applicable. Do not input any data in this column

Has shellfish water trigger been exceeded? (Column T)

- Not applicable. Do not input any data in this column

Date shellfish water trigger exceeded (Column U)

- Not applicable. Do not input any data in this column

Percentage time EDM Operational (Column V)

- This data will be supplied by the WaSC
- Units are % to two decimal places

Primary reason if % time operational <90% (Column W)

- Captures information on why reporting data is missing
- Category **must** be selected when period of EDM operation (column V) is less than 90%
- Select primary reason only if more than one category applies
- Could use additional comments (column Q) to capture other reasons
- Select category from table below
- This data will be supplied by the WaSC

Table 7: Drop-down categories column W

Category	Description
Access – Unable to retrieve data from non-telemetry data logger Note: **not to be used** for delayed access to fix existing fault	When access causes inability to retrieve data e.g. landowner permission. Consider core reason – if caused by poor installation or design then select “Installation set-up/design issue” category instead.
Capital / maintenance works affect EDM operation	Where planned works affect EDM operation. Consider core reason – if caused by poor installation or design then select “Installation set-up/design issue” category instead.
Comms failure / issue	Any part of communication failure e.g. intermittent signal or antenna damage. Consider core reason – if caused by poor installation or design then select “Installation set-up/design issue” category instead. Similar if comms loss caused by power failure – select “Power failure / issue” instead
Installation set-up / design issue	When installation or design (e.g. choice of location) affects EDM operability. e.g. Original design location cannot distinguish between two overflows and original EDM needs to be relocated to more representative point e.g. Original design location affected by river ingress and EDM requires relocation e.g. Alternative monitor type required
Power failure / issue	Any part of power failure e.g. loss of mains supply / battery fault Consider core reason – if caused by cutting through cable then select “Capital / maintenance works” category instead
Sensor failure / issue	Any part of sensor failure e.g. water ingress to connection between sensor and logger.

Category	Description
	Consider core reason – if water ingress caused by poor choice of location for installation and requires adjustment then select “Installation set-up/design issue” category instead.
Telemetry or data archiving failure / issue	Any part of telemetry failure e.g. dial-in or storage/sending of data problems. Consider core reason – if archiving problem caused by power fault or incorrect installation then use “Power failure / issue” or ”Installation set-up/design issue” categories respectively. Similar if data transfer caused by intermittent signal – select “Comms failure / issue” instead
No longer operational as an overflow – permit revoked or to be revoked	Select this category if the overflow is no longer operational but the permit is still in force For example if the overflow is no longer need and has been sealed up but the permit has not been revoked
Other	Should only be used as a last resort if circumstances do not fit into the ones listed in the table above

Date range/s data unavailable (Column X)

- Enter date range(s) EDM data unavailable e.g. 1/9/22-1/10/22
- If there are lots of short periods when data is not recorded please insert a suitable comment in column Y e.g. frequent short duration intermittent data loss during the year
- This data will be supplied by the WaSC

Additional comments (Column Y)

- This data will be supplied by the WaSC