

**WATER RESOURCES ACT 1991**

**SECTION 88 - SCHEDULE 10**

**(AS AMENDED BY THE ENVIRONMENT ACT 1995)**

**NOTICE OF MODIFICATION OF CONSENT TO DISCHARGE**

**TO:** South West Water Limited ("the Consent Holder")  
Peninsula House  
Rydon Lane  
Exeter  
Devon  
EX2 7HR

Following a review of the conditions of its consent, the **ENVIRONMENT AGENCY** ("The Agency") exercising its powers under paragraph 7(2)(b) of Schedule 10 to the Water Resources Act 1991, **HEREBY MODIFIES ITS CONSENT** for making a discharge **OF:**  
Storm sewage and/or sewage discharged in an emergency

**with respect to** the attached list of Consents (List 1).

**FROM** the date upon which this modification takes effect, each of the Consents in the attached List 1 are modified as followed:

**A. Addition of the following new condition(s) below as specified in Column C of the attached List of Consents:**

**Shellfish Waters**

**Event Duration Monitoring**

**SW1**

- a) A recording system with telemetry shall be provided and maintained to record the frequency and duration of overflow events from the combined sewer or storm tank.
- b) The Consent Holder shall supply both the relevant Local Food Authority/appropriate Environmental Health Officer(s) and the Environment Agency, with an annual written report of the operation of the overflow from the combined sewer or storm tank, whichever is applicable, to include date, start time and duration of each spill in accordance with the format provided by the Environment Agency.
- c) Provision of this report will coincide with the annual classification under the Shellfish Hygiene Directive. The report shall cover the 12 month period 1<sup>st</sup> April – 31<sup>st</sup> March inclusive, and shall be provided by the end of the following May.
- d) On request, the Consent Holder shall supply the Environment Agency with written details of individual spill event(s).

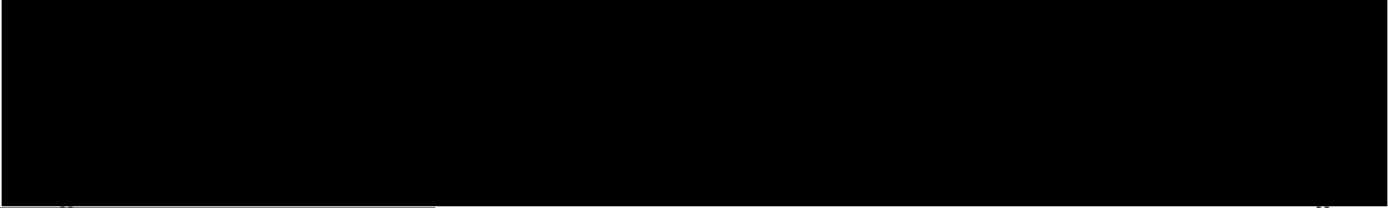
**Telemetry on Emergency Overflow Operation**

**SW2**

- a) A 24 hour response telemetry alarm system shall be provided and maintained to provide a notification in the event of operation of the emergency overflow.
- b) The Consent Holder shall notify both the relevant Local Food Authority / appropriate Environmental Health Officer(s) and the Environment Agency, as soon as practicable and within 24 hours of receipt of a telemetry warning, that operation of the emergency overflow has taken place.

**NOTE.** All other conditions of the consents in List 1 remain unaltered and in force. This notice of modification should be read in conjunction with, and attached to, each Consent as specified in the attached list of Consents or Schedules to Consents.

Under the provisions of Paragraphs 7 and 8 of Schedule 10 to the Water Resources Act 1991, no notice shall be served by the Agency, which alters the effect of modifications made by this notice, without the agreement in writing of the Consent Holder, during a period of 4 years from the date this notice is served.

  
  
Signed

**Team Leader National Permitting Service**

## List 1 – List of Consents

| A              | B                                   | C                                |
|----------------|-------------------------------------|----------------------------------|
| Consent Number | Name                                | Consent condition(s) to be added |
| NRA-SW-2866    | BISHOPSTEIGNTON PS CSO & EO         | SW1, SW2                         |
| NRA-SW-2863    | BUCKLAND STW PS EO                  | SW2                              |
| 002605         | CHILPARK CSO EO                     | SW2                              |
| 002660/PC/01   | NETHERTON PS CSO & EO               | SW1, SW2                         |
| 200122/CS/01   | HARTOPP ROAD CSO                    | SW1                              |
| 200123/CS/01   | IMPERIAL ROAD CSO                   | SW1                              |
| 200124/PC/01   | PHEAR PARK PS CSO                   | SW1                              |
| 200125/CS/01   | MAER ROAD/ DOUGLAS AVENUE CSO       | SW1                              |
| 200126/PC/01   | MAER ROAD PS & TANK CSO & EO        | SW1, SW2                         |
| 200127/CS/01   | ASH GROVE CSO                       | SW1                              |
| 200128/CS/01   | EXETER ROAD CSO                     | SW1                              |
| 200524         | OXEN COVE ATTENUATION TANK CSO & EO | SW1, SW2                         |
| 201514         | SANDY BAY PS EO                     | SW2                              |
| 201562         | FROGMORE NUMBER 1 PS EO             | SW2                              |
| 201621         | LOWER CLEAVE PS CSO & EO            | SW1, SW2                         |
| 201636         | FOLLET ROAD CSO & EO                | SW1, SW2                         |
| 201965         | MAER LANE STW STORM CSO             | SW1                              |
| 202633         | GENERALS LANE PS CSO & EO           | SW1, SW2                         |
| 203035         | TORCROSS PS OUTLETS 1 & 2 CSO & EO  | SW1, SW2                         |
| 203083         | TUCKENHAY BRIDGE PS EO              | SW2                              |
| 203147         | PERCHWOOD PS EO                     | SW2                              |
| 203285         | ROCK PARK PS CSO                    | SW1                              |
| 2898/22        | FROGMORE NUMBER 2 PS EO             | SW2                              |
| 300012         | SARAH'S VIEW EO                     | SW2                              |
| 301142         | ERNESETTLE STW PS CSO & EO          | SW1, SW2                         |
| 301482         | WATERSIDE PS CSO & EO               | SW1, SW2                         |
| 301654         | MYLOR BRIDGE PS CSO & EO            | SW1, SW2                         |
| 301915         | FLUSHING PS CSO & EO                | SW1, SW2                         |
| 302096         | CONSTANTINE BRIDGE PS CSO & EO      | SW1, SW2                         |
| 302102         | FORDER NO 1 PS CSO & EO             | SW1, SW2                         |
| 302103         | FORDER NO 2 PS CSO & EO             | SW1, SW2                         |

**WATER RESOURCES ACT 1991**

**SECTION 88 - SCHEDULE 10**

**(AS AMENDED BY THE ENVIRONMENT ACT 1995)**

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**TO:** South West Water Limited ("the Consent Holder")  
Peninsula House  
Rydon Lane  
Exeter  
Devon  
EX2 7HR

Following a review of the conditions of its consent, the **ENVIRONMENT AGENCY** ("The Agency") exercising its powers under paragraph 7(2)(b) of Schedule 10 to the Water Resources Act 1991, **HEREBY MODIFIES ITS CONSENT** for making a discharge **OF:**

Sewage effluent

**with respect to** the attached list of Consents (List 1).

**FROM** the date upon which this modification takes effect, each of the Consents in the attached List 1 are modified as followed:

**A. Addition of the following new condition:**

Bathing Waters – Event Duration Monitoring

- a) A recording system with telemetry shall be provided and maintained to record the frequency and duration of overflow events.
- b) The Consent Holder shall supply the Environment Agency with an annual written report of the operation of the overflow from the combined sewer or storm tank, whichever is applicable, to include date, start time and duration of each spill in accordance with the format provided by the Environment Agency.
- c) Provision of this report will coincide with the annual monitoring under the Bathing Water Directive. The report shall cover the 5 month period 1<sup>st</sup> May – 30<sup>th</sup> September inclusive, and shall be provided by the end of October.
- d) On request, the Consent Holder shall supply the Environment Agency with written details of individual spill event(s).

**NOTE.** All other conditions of the Consents in List 1 remain unaltered and in force. This notice of modification should be read in conjunction with, and attached to, each Consent as specified in the attached list of Consents or Schedules to Consents.

Under the provisions of Paragraphs 7 and 8 of Schedule 10 to the Water Resources Act 1991, no notice shall be served by the Agency, which alters the effect of modifications made by this notice, without the agreement in writing of the Consent Holder, during a period of 4 years from the date this notice is served.

**Team Leader National Permitting Service**

## List 1 – List of Consents

| Consent Number | Name                                                       |
|----------------|------------------------------------------------------------|
| 200122/CS/01   | Hartopp Road CSO                                           |
| 200124/PC/01   | Phear Park PS                                              |
| 203035         | Torcross PS Outlets 1 and 2                                |
| 201524         | Beach Road Middle                                          |
| 201609         | Beach Road Lower                                           |
| 201939         | Beach Road                                                 |
| 201678         | Woolacombe PS CSO                                          |
| 200224/CS/01   | Fleet Walk No.1 CSO                                        |
| 200225/CS/01   | Fleet Walk No.2 CSO                                        |
| 202679         | Memorial Gardens PS Beer Head Outfall and Sea Hill Outfall |
| 202698         | Beer Car Park PS Beer Head Outfall and Sea Hill Outfall    |
| 202603         | The Warren PS                                              |
| 202186/CS/01   | Bigbury STW intermittent                                   |
| 301831         | Crooklets car park CSO                                     |
| 301150         | Stratton PS                                                |
| 301300         | Castle PS                                                  |
| 301689         | Nanny Moores Bridge CSO                                    |
| 301830         | Summerleaze Car Park CSO                                   |
| 301832         | The Strand CSO                                             |
| 201689         | Granary Lane CSO                                           |
| 200111/CS/01   | Lime Kiln Tank CSO                                         |
| 200112/CS/01   | Meadow Road CSO                                            |
| 200113/CS/01   | The Green Tank CSO                                         |
| 200114/CS/01   | Marine Parade CSO                                          |
| 200116/CS/01   | Little Knowle CSO                                          |
| 200117/CS/01   | Fore Street CSO                                            |
| 200118/PE/01   | Lime Kiln PS                                               |
| NRA-SW-1086    | Budleigh Salterton (Halse Hill Lane SSO)                   |
| 301531         | Scout Club PS                                              |
| 301565         | East Quay PS                                               |
| 301567         | Lelant PS                                                  |
| 301821         | Phillack CSO                                               |
| 302970         | Hayle STW intermittent                                     |
| 2894/87        | Porthminster Point PS                                      |
| 202602         | Challaborough PS                                           |
| 301635         | Charlestown Harbour PS                                     |
| 032051/PC/01   | Charlestown Overflow PS                                    |
| 002674/PC/01   | Lorna Irwin                                                |
| 002675/PC/01   | Beach PS                                                   |
| 002676/CS/01   | Pack O'Cards                                               |
| 301387         | Coverack Harbour                                           |
| 301388         | Coverack Mill                                              |
| 301321         | Gusti Veor                                                 |
| 301324         | Crantock PS                                                |

## List 1 – List of Consents Continued..

| Consent Number | Name                                   |
|----------------|----------------------------------------|
| 301325         | Fern Pit PS                            |
| 301579         | Par No 1 PS                            |
| 031299/SS/01   | Par STW intermittent                   |
| 032052/SF/01   | Daniels Lane Attenuation Tank          |
| 201127         | Croyde PS                              |
| 202401         | Mayors Avenue Outlets 1 and 2          |
| 202110         | Holcombe PS                            |
| 200820         | Brook House                            |
| 200821         | Brook St                               |
| 200822         | Westcliff Road                         |
| 200823         | Barton Hill/Brunswick                  |
| 200824         | Dawlish Breakwater                     |
| 200825         | Elm Grove Road CSO                     |
| 200828         | Sea Lawns Outfall CSO                  |
| 200898         | Sandy Lane PS                          |
| 201449         | Viaduct High Level                     |
| 201450         | Royal Hotel                            |
| 037807/PC/01   | Downderry PS                           |
| 300973         | Buller Quay                            |
| 300974         | West Looe Quay                         |
| 300975         | Health Centre                          |
| 301673         | East Looe Quay                         |
| 200123/CS/01   | Imperial Road Tank CSO                 |
| 200125/CS/01   | Maer Road CSO                          |
| 200126/PC/01   | Maer PStn                              |
| 301322         | Towan Head PS                          |
| 301323         | Yellowsands PS                         |
| 201073         | Grange Court                           |
| 201396         | Clennon Valley PS                      |
| 302104         | Gorran Haven (Beach) PS                |
| 300013         | Harlyn Bay PStn                        |
| 200231/PE/01   | Old Paignton Road PS                   |
| 200236/PE/01   | Hollicombe Gardens PS                  |
| 301544         | Holywell Rs PS                         |
| 202605         | Outer Hope PS                          |
| 202606         | Inner Hope PS                          |
| 202733         | Galampton (Hope Cove) STW intermittent |
| 203644         | Larkstone Lane                         |
| 004366/CS/01   | Promenade CSO                          |
| 004369/PC/01   | Cheyne Tanks                           |
| 004365/pc/01   | Hele Beach PS                          |
| 200201         | Westleigh PS                           |
| 203116         | Bideford PS                            |
| 203123         | Appledore PS                           |
| 203125         | Instow No A                            |
| 203126         | Yelland PS                             |

**List 1 – List of Consents Continued..**

| <b>Consent Number</b> | <b>Name</b>                                                              |
|-----------------------|--------------------------------------------------------------------------|
| 203430                | Velator PS Outlets 1 and 2                                               |
| 002884/CS/01          | Skern PS                                                                 |
| 200202/PC/01          | Northam PStn (to Goosey Pool)                                            |
| 301903                | Kingsand Sewage Pumping Station High level outfall and Low level outfall |
| 301905                | North Rock Sewage Pumping Station                                        |
| 201817                | Mill Lane CSO                                                            |
| 003269/PC/01          | Lyme Regis STW Inlet CSO                                                 |
| 003955/CS/01          | Jericho                                                                  |
| 003956/PC/01          | Horn Bridge                                                              |
| 003957/CS/01          | Goslings Bridge                                                          |
| 200061/PC/01          | Gunn Cliff                                                               |
| 003965/PC/01          | Cobb PS                                                                  |
| 202404                | Lynmouth STW intermittent                                                |
| 004515/PC/01          | Lynton/Lynmouth (Rock House)                                             |
| 004516/CS/01          | Lynton/Lynmouth (Market Place)                                           |
| 004518/CS/01          | Lynton/Lynmouth (Bottom Meadow)                                          |
| 302305                | Pennance Mill Tidal Tanks                                                |
| 301545                | Mawgan Porth PS                                                          |
| 301548                | Trenance Porth PS                                                        |
| 303683                | St Columb STW Storm                                                      |
| 200228                | Ilsham Road CSO                                                          |
| 200977                | Ilsham Valley PS                                                         |
| 003218/CS/01          | Comminutor House                                                         |
| 003224/PC/01          | Shadycombe Tank                                                          |
| 300971                | Plaidy PS                                                                |
| 300592                | St Merryn CSO                                                            |
| 301879                | Harlyn CSO                                                               |
| 300271                | Gladstone Terrace North                                                  |
| 300272                | Long Rock Ind Estate PS                                                  |
| 301652                | Chyandour PS                                                             |
| 301814                | Mexico Inn CSO                                                           |
| 301818                | Finns CSO                                                                |
| 301819                | Pendrea Close CSO                                                        |
| 301820                | Trevarrack Lane CSO                                                      |
| 302144                | Albert Pier CSO                                                          |
| NRA-SW-5354           | Albert Pier PS                                                           |
| NRA-SW-6340           | Bolitho Rd CSO                                                           |
| 200240                | Paignton Green Tank                                                      |
| 201011                | Littlegate Road                                                          |
| 201397                | Roundham Road Outlets 1 and 2                                            |
| 200239                | Preston Green Tank                                                       |
| 201586                | Marldon (Churchcombe cross PS)                                           |
| 031750/PC/01          | Harbour Road (Par No 2) PS                                               |
| SWWA 147              | St Austell North STW intermittent                                        |
| 302113                | Pentewan PS                                                              |
| 300828                | Perranuthnoe PS                                                          |

**List 1 – List of Consents Continued..**

| <b>Consent Number</b> | <b>Name</b>                                         |
|-----------------------|-----------------------------------------------------|
| 300038/PC/01          | Station Road                                        |
| 300737                | Cattedown Road                                      |
| 300821                | Barbican Storage Tanks                              |
| 301718                | 20 Commercial Road (junction with Commercial Place) |
| 301759                | Comercial Road CSO                                  |
| 302147                | 20 Commercial Road                                  |
| 303347                | Plymouth Central STW intermittent                   |
| 032897/PC/01          | Billacombe PS                                       |
| NRA-SW-6977           | Plympton (Marsh Mills) STW intermittent             |
| 300738                | Eastern Kings                                       |
| 300820                | Millbay Storage Tanks                               |
| 300453/PC/01          | West Hoe Tunnel Sewer Overflow                      |
| 300616/PE/01          | West Hoe PS                                         |
| 300238/PC/01          | Mevagissey PS                                       |
| 302947                | Mullion Transfer PS                                 |
| 034543                | Roseberrow Farm PS                                  |
| 034545                | Polzeath PS                                         |
| 034546                | Tredrizzick Br PS                                   |
| 034547                | New Polzeath PS                                     |
| 302115                | Portmellon PS CSO                                   |
| 303580                | Gorran Churchtown STW intermittent                  |
| 301326                | Porth PS                                            |
| 300969                | Porthallow PS                                       |
| 303618                | Porthcurno PS                                       |
| 302114                | Porthgidden PS                                      |
| 033473/PC/01          | Harbour Tank & PS                                   |
| 300392/PC/01          | Breageside PS                                       |
| 301691                | Wescots Quay                                        |
| 15/48/231/P/19        | St Keverne STW intermittent                         |
| 301670                | Porthpean PS CSO                                    |
| 301542                | Porthtowan Beach PS                                 |
| 301672                | Echo Corner PS CSO                                  |
| 300702                | Bridge PS                                           |
| 301864                | Portwrinkle PS                                      |
| 302116                | Portwrinkle Tank CSO                                |
| 302770                | Readymoney Road CSO                                 |
| 302771                | Readymoney Cove PS                                  |
| 302772                | Polruan PS                                          |
| 302773                | Whitehouse Point                                    |
| 302775                | Town Quay                                           |
| 301863                | Harbour Lights CSO                                  |
| 302971                | Rock PS                                             |
| 302972                | Porthilly PS Outlets 1 and 2                        |
| 302973                | Padstow Harbour PS                                  |
| 302974                | Padstow foreshore                                   |
| 302975                | Moyles Road                                         |

**List 1 – List of Consents Continued..**

| <b>Consent Number</b> | <b>Name</b>                                        |
|-----------------------|----------------------------------------------------|
| NRA-SW-7655/PC/1      | North Sands                                        |
| 001685/PC/01          | Malborough Village PS                              |
| 003220/PC/01          | South Sands                                        |
| NRA-SW-7653/CS/1      | Quilletts CSO                                      |
| 201965                | Exmouth STW Storm                                  |
| 037806/PC/01          | Seaton PS                                          |
| 201605                | Axmouth PS                                         |
| 202563                | Seaton STW SSO                                     |
| SWWA 248              | Harbour Road PS                                    |
| 303620                | Sennen Cove PS                                     |
| 201656                | Milford Park PS CSO                                |
| 203347                | Gales Hill PS                                      |
| 203348                | King George Field PS                               |
| 202705                | Berry Head Road                                    |
| 200835                | Ham PS High Level 1 and High Level 2 and Low Level |
| 201010                | Bolton St CSO                                      |
| 300227                | Queen Mary Gardens PS                              |
| 301668                | Swanpool PS CSO                                    |
| 301669                | Swanvale PS                                        |
| 202488                | Woodlands Ave                                      |
| 203688                | Smugglers Lane PS                                  |
| 203349                | Railway Station CSO                                |
| 301916                | Reskadinnick PS                                    |
| NRA-SW-2698           | Thurlestone PS                                     |
| 201717                | S Milton PS                                        |
| NRA-SW-3548           | South Milton STW intermittent                      |
| 200223                | Cockington Lane PS                                 |
| 200229/CS/01          | Kings Drive Penstock                               |
| 301587                | Fly Cellars PS                                     |
| 302139                | Treknow STW intermittent                           |
| 303394                | St Agnes STW intermittent                          |
| 303457                | Cove PS                                            |
| 303458                | Peterville PS                                      |
| 300014                | Trevone PS                                         |
| 301320                | Watergate Bay PS                                   |
| 301660                | Wembury Beach PS                                   |
| 002878/CS/01          | Northam PStn (to Rock Nose)                        |
| 301648                | Madeira Drive PS                                   |
| 201525                | Beach Road Upper                                   |
| 200230/CS/01          | Old Mill Road                                      |
| 301935                | Plymouth (Radford) STW storm                       |
| 031294                | Menagwins STW storm                                |
| 002606/PE/01          | Instow No B                                        |
| 004517/PC/01          | Lynton/Lynmouth (Esplanade)                        |
| NRA-SW-3789           | Lodge Hill STW intermittent                        |

|                |  |
|----------------|--|
| CONSENT NO     |  |
| FILE REFERENCE |  |

**WATER RESOURCES ACT 1991 SECTION 88 - SCHEDULE 10**  
(as amended by the Environment Act 1995)

**CONSENT TO DISCHARGE**

**TO: SOUTH WEST WATER SERVICES LIMITED**  
**PENINSULA HOUSE**  
**RYDON LANE**  
**EXETER**  
**EX7 2HR**

The Environment Agency ("The Agency") in pursuance of its powers under the Water Resources Act 1991 (as amended by the Environment Act 1995) **HEREBY CONSENTS** to the making of the following Discharge(s):-

**STORM SEWAGE AND SEWAGE DISCHARGED IN AN EMERGENCY**

**FROM: PHEAR PARK PSEO AND TANK CSO**

**AT: EXMOUTH**  
**DEVON**

**TO: EXE ESTUARY**

**SUBJECT TO** the conditions set out in the following schedule:

**PC/01**

Subject to the provisions of Paragraphs 6 and 7 of Schedule 10 of the Water Resources Act 1991 (as amended by the Environment Act 1995), no notice shall be served by the Agency, altering this consent without the agreement in writing of the Discharger, during a period of 2 years from the date this consent takes effect or such later date as may be specified in an endorsement to this document.

This consent is issued and takes effect on the

Signed

|              |  |
|--------------|--|
| CONSENT NO.  |  |
| SCHEDULE NO. |  |
| DATE ISSUED  |  |

## **CONDITIONS OF CONSENT TO DISCHARGE**

### **STORM SEWAGE AND SEWAGE DISCHARGED IN AN EMERGENCY ("the Discharge")**

**FROM: PHEAR PARK PUMPING STATION AND STORAGE TANK**

#### **CHANGE IN TRADE EFFLUENT INPUTS**

1. The Discharger shall notify the Agency in writing if any known introduction or material change, in respect of discharges from trade premises to the sewerage system, occurs that may increase or introduce into the effluent any "dangerous substance" included on Lists I, II, or Red List (set out in Annex 2 to this notice as updated by the Agency from time to time, and notified to the Discharger in writing), or any other substance considered by the Discharger as having or likely to have a significant effect on the receiving waters.

#### **DATE FROM WHICH CONDITIONS OF THE CONSENT TAKE EFFECT**

2. The conditions specified in this consent shall apply on and after the date of signature of this consent.

#### **NATURE OF DISCHARGE**

3. The Discharge shall consist of storm sewage and in an emergency in accordance with condition 4 below, sewage.
4. The Discharge shall only occur when the sewage pumping station is inoperative as a result of one or more of the following:
  - (i) electrical power failure not due to the act or default of the Discharger, its agents, representatives, officers, employees or servants;
  - (ii) mechanical breakdown of duty and standby pumps;
  - (iii) rising main failure;

- 
- (iv) blockage of the downstream sewer not due to the act or default of the Discharger, its agents, representatives, officers, employees or servants;

and it is not reasonably practicable to dispose of the sewage otherwise. There shall be no undue delay on the part of the Discharger in remedying any such failure or breakdown.

#### PLACE OF DISCHARGE

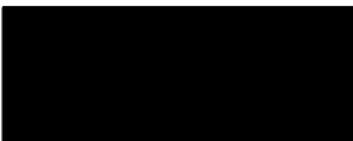
- 5. The Discharge shall be made in the manner and at the place specified as:
  - (a) discharging via a 1200 millimetre pipe
  - (b) discharging to the Exe Estuary
  - (c) at National Grid Reference SX 9996 8146

#### VOLUME

- 6. Storage capacity, equivalent to a total of at least 10.5 hours of the Dry Weather Flow in the sewer immediately upstream of the pumping station, shall be provided in the pumping station, and/or the upstream sewerage system, above the wet well design top water level.
- 7. The volume of sewage arriving at the pumping station under Dry Weather Flow conditions shall not exceed 3370 cubic metres per day.

For the purpose of this consent Dry Weather Flow shall mean the average daily flow to the treatment works during seven consecutive days without rain (excluding a period of which includes public holidays) following seven days during which the rainfall did not exceed 0.25 millimetres on one day.

- 8. The discharge of storm sewage shall occur when and only for as long as, the storm sewage storage facility is fully utilised and the rate of flow at the storm overflow is in excess of 120 litres per second due to rainfall and/or snow melt and shall consist only of flows in excess of this figure. The storm sewage storage facility shall be emptied and its contents returned to the main flow as soon as practicable after cessation of the overflow.
- 9. A storm sewage storage facility of 1470 cubic metres design capacity shall be provided and fully utilised prior to Discharge being made.



## COMPOSITION

10. (a) The Discharge shall not contain a significant quantity of solid matter having a size greater than 6 millimetres in more than one dimension.
- (b) The Discharge shall not be comminuted or macerated to achieve the standard in (a) above.

## RECORDING AND REPORTING

11. (a) The Discharger shall establish and operate a documented maintenance programme and record all non-routine actions undertaken that may have adversely affected effluent quality. Copies of the programme shall be made available for inspection by the Agency's officers at all reasonable times.
  - (b) On request the Discharger shall supply the Agency with a written report on the maintenance and all non-routine actions that may have adversely affected effluent quality.
  - (c) The operator shall as soon as reasonably practicable report all non-routine actions that may have adversely affected effluent quality.
12. (a) A recording system shall be provided and maintained to record the frequency and duration of overflow events.
  - (b) On request, the Discharger shall supply the Agency with a written report on the frequency and duration of overflow events.

## TELEMETRY

13. (a) A 24 hour response telemetry alarm system shall be provided and maintained to give notification of failure or breakdown of the pumping station.
- (b) The Discharger shall take all reasonable remedial measures to return the pumping station to normal operation, as soon as practicable after receipt of warning of failure or breakdown of the pumping station.

## POWER

14. A permanent stand-by power generator shall be provided and maintained in good working order.



## PUMPS

15. The duty pumps shall be maintained in good working order, and at least one stand-by pump shall be provided and maintained at all times.
16. Stand-by pumps shall automatically activate should the duty pumps become inoperative for reasons other than power failure. The pumping station shall be maintained so that the pump shall automatically reactivate as soon as is practicable after the power is restored after interruption to the supply.

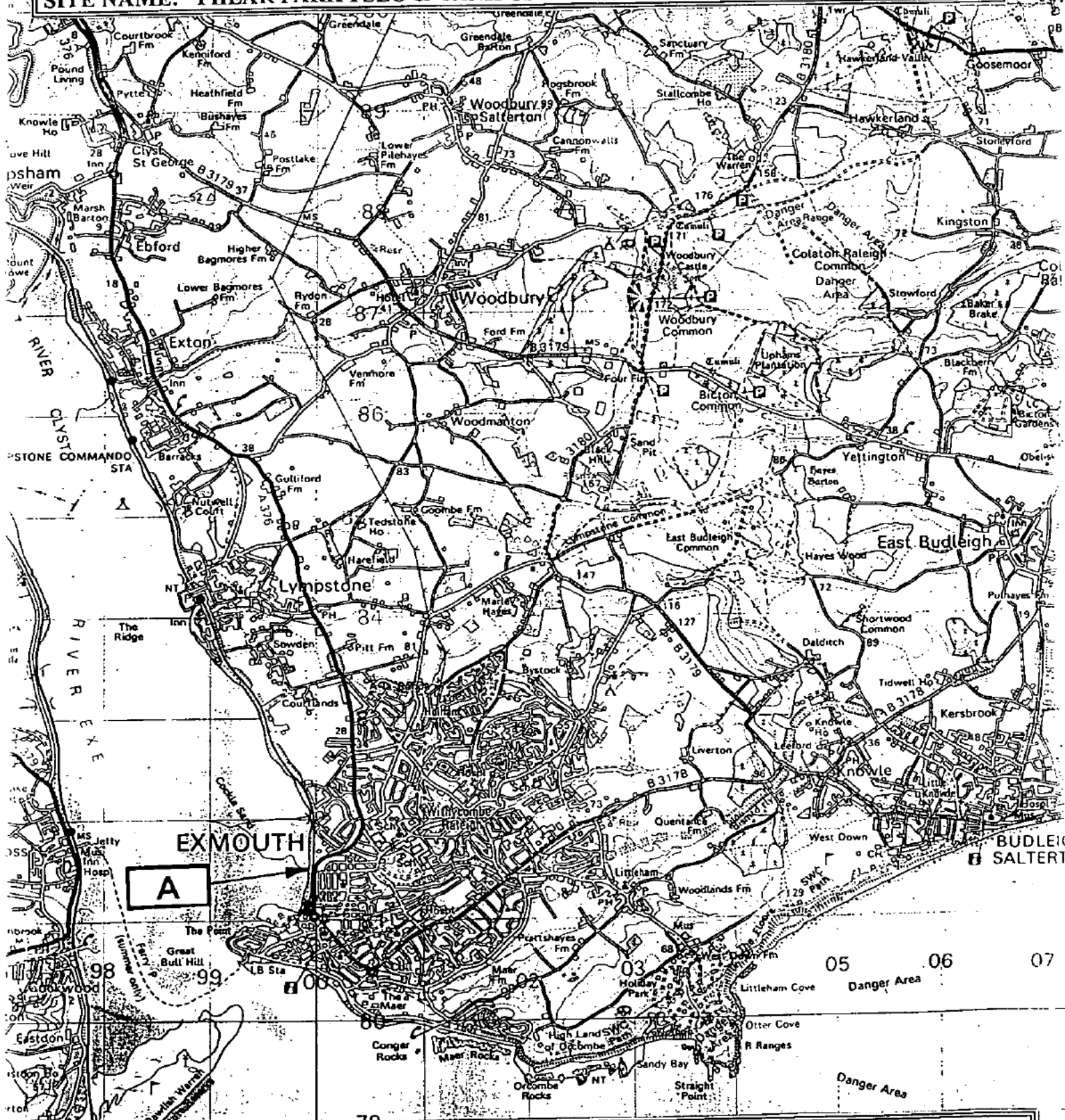
## TANKERING/PUMPING AWAY

17. A tanker access facility at an appropriate location shall be provided and maintained to enable disposal of sewage by tanker when necessary.

# THE ENVIRONMENT AGENCY SOUTH WEST REGION

SITE NAME: PHEAR PARK PSEO & TANK CSO

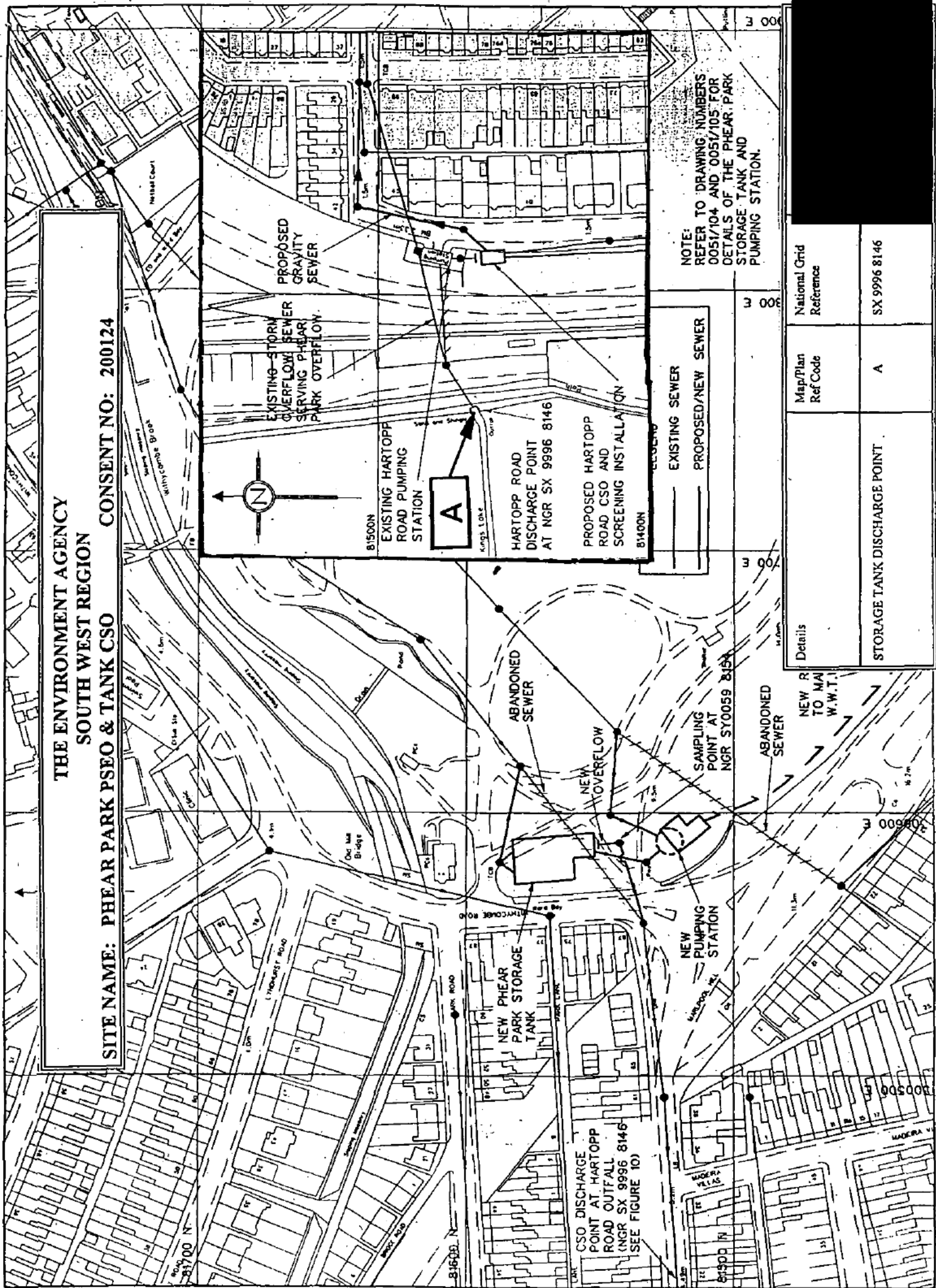
CONSENT NO: 200124



| Details                      | Map/Plan<br>Ref Code | National Grid<br>Reference |
|------------------------------|----------------------|----------------------------|
| STORAGE TANK DISCHARGE POINT | A                    | SX 9996 8146               |

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SITE NAME: PHEAR PARK PSEO & TANK CSO CONSENT NO: 200124



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# **Specification for Establishing Performance of CSOs in the Exmouth and Budleigh Salterton Catchments.**

## **Discharges under consideration**

### **Exmouth**

Phear Park CSO & PSEO  
Hartopp Road CSO  
The Maer CSO & PSEO

### **Budleigh Salterton**

The Green CSO  
Marine Parade CSO  
Lime Kilns CSO & PSEO

## **Objectives**

To determine the performance of the above discharges in order to establish whether the sewerage as constructed is adequate to ensure that the risk of their causing non-compliance of the EC designated bathing waters at Exmouth and Budleigh Salterton is acceptable.

## **Methods**

Monitors to be installed at the above listed discharges to determine the frequency and duration of discharge. Raingauges and volumetric check gauges to be installed at appropriate locations within the catchments to enable association of rainfall events and spill events from the intermittent discharges and to relate the rainfall at Exmouth and Budleigh Salterton to the nearest long term rainfall record (probably Exeter). The details and locations of the monitors and the locations of the raingauges must be agreed with the Agency before installation.

## **Duration of installation**

The required duration of monitoring cannot be predicted at the outset. For modelling purposes, 10 years or more of rainfall records are usually sufficient to give a reasonable representation of long term average spill frequencies of the order of 3 in 1 bathing season. Depending on the recorded spill frequency and associated rainfall, it is anticipated that the adequacy of the system could be assessed within a much shorter timescale allowing the monitoring to be terminated.

An assessment of the average spill frequency, based only on a short term record, will require some judgement as to the return period of the rainfall which causes any recorded spill events. Should it be apparent from an early stage that the recorded spill frequency differs enormously from that required, and providing the gross rainfall characteristics are broadly in line with the long term average, then the suitability of the system could be quickly assessed. Should the initial difference between predicted and observed frequencies be smaller then further analysis would be required.

The existence of a 'reasonably' validated model would help by enabling a causal rainfall event

to be assigned a ranking within the local-historical rainfall series. This could be achieved by ranking the historical rainfall series in terms of predicted spill volume from the CSO or catchment as a whole, then running the causal rainfall event and comparing the predicted spill volume with those predicted for the ranked series. For these scenarios it is anticipated that a meaningful judgement could be made within 2 years. In the absence of a reasonable model, and depending on the recorded spill frequency, monitoring may also be curtailed early providing a reasonable estimation can be made of the rainfall duration critical to the CSO's operation. The return period of the maximum depth of rainfall within this duration could then be assessed for the causal events. This method would be less precise and may require a longer duration of monitoring.

## **Reporting**

Loggers should be downloaded and the operational integrity of the monitor installation checked at least fortnightly and the data made available to the Agency on request. A report to be produced within a month of the end of each bathing season (1 May to 30 Sept) detailing for the last twelve months or since the installation of the monitors:

- Servicing record of the monitors.

- A record of times when the monitors were not operational.

- Problems encountered and corrective action taken, particularly where this resulted in changing the nature of the monitor installation (details of such changes should be agreed with the Agency).

- The number and duration of spill events from each of the overflows.

- Where a validated model is not available, an analysis of the rainfall in terms of gross characteristics and comparison with the long term average.

- Where a validated model is available, an analysis of the rainfall record to include the return period of each rainfall event causing a discharge.

