# Application for an environmental permit Part C6 – Variation to a bespoke water discharge activity or groundwater activity (point source discharge), or point source emission to water from an installation



Fill in this part of the form, together with part C2 and part F1, if you are applying to vary (change) the conditions or any other part of the permit for a water discharge or groundwater activity.

Fill in this part of the form, together with parts C2, C3 and F1 if you are applying to vary or add a point source emission to water, groundwater or sewer from an installation.

Please check that this is the latest version of the form available from our website.

You only need to give us details in this application for the parts of the permit that will be affected (for example, if you are adding a new facility or making changes to existing ones).

You do not need to resend any information from your original permit application if it is not affected by your proposed changes.

Please read through this form and the guidance notes that came with it.

#### The form can be:

- saved onto a computer and then filled in.
- 2) printed off and filled in by hand. Please write clearly in the answer spaces.

It will take less than three hours to fill in this part of the application form.

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# About the effluent - details and type

From the list below, choose which type of effluent you are applying for on this form and answer the questions shown in Table 1.

You must fill in a separate copy of this form and the appropriate appendix or appendices for each type of effluent you plan to discharge.

Table 1 – About the effluent

| Type of effluent                             | Charge band   | Please<br>tick box | Q1  | Q2            | Q3   | Q4 | Q5   | Q6  | Q7 | Q8     | Q9                   | Q10 |
|--|---|--------------------|-----|---------------|------|----|------|-----|----|--------|----------------------|-----|
| Sewage<br>effluent<br>(non-water<br>company) | 1.3.3 Sewage effluent discharge with a volume up to and including 5 m³/day to surface water from domestic household or organisation operating for charitable purposes |                    | All | a, b,<br>c, d | b, f | -  | a, b | All | -  | b*, f* | a, b, c,<br>f*, h, i | All |
|  | 1.3.4 Sewage effluent discharge with a volume up to and including 5 m³/day to groundwater from domestic household or organisation operating for charitable purposes   |                    | All | a, b,<br>c, d | b, f | -  | a, b | All | -  | d, f*  | a, b, c,<br>f*, h, i | All |
|  | 1.3.5 Sewage effluent discharge with a volume up to and including 5 m³/day to surface water (not requiring specific substances assessment)                            |                    | All | a, b,<br>c, d | b, f | -  | a, b | All | -  | b*, f* | a, b, c,<br>f*, h, i | All |
|  | 1.3.6 Sewage effluent discharge with a volume up to and including 5 m³/day to groundwater (not requiring specific substances assessment)                              |                    | All | a, b,<br>c, d | b, f | -  | a, b | All | -  | d, f*  | a, b, c,<br>f*, h, i | All |
|  | 1.3.7 Sewage effluent discharge with a volume greater than 5 m³/day up to and including 15 m³/day to groundwater (not requiring specific substances assessment)       |                    | All | a, b,<br>c, d | b, f | -  | a, b | All | -  | d, f*  | a, b, c,<br>f*, h, i | All |

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| Type of effluent                             | Charge band  | Please<br>tick box | Q1  | Q2            | Q3                      | Q4 | Q5   | Q6  | Q7            | Q8           | Q9                              | Q10 |
|--|--|--------------------|-----|---------------|-------------------------|----|------|-----|---------------|--------------|---------------------------------|-----|
| Sewage<br>effluent<br>(non-water<br>company) | 1.3.8 Sewage effluent discharge with a volume greater than 15 m³/day to groundwater (not requiring specific substances assessment)                                 |                    | All | a, b,<br>c, d | b, f                    | -  | a, b | All | -             | d, f*        | a, b, c,<br>d*, e*,<br>f*, h, i | All |
|  | 1.3.9 Sewage effluent discharge to groundwater requiring specific substances assessment (any volume)   |                    | All | a, b,<br>c, d | b, f                    | -  | a, b | All | b, c,<br>d, e | d, f*        | a, b, c,<br>d*, e*,<br>f*, h, i | All |
|  | 1.3.10 Sewage effluent discharge with a volume greater than 5 m³/day up to and including 50 m³/day to surface water (not requiring specific substances assessment) |                    | All | a, b,<br>c, d | b, f                    | -  | a, b | All | -             | b*, f*       | a, b, c,<br>f*, h, i            | All |
|  | 1.3.11 Sewage effluent discharge with a volume greater than 50 m³/day to surface water (not requiring specific substances assessment)                              |                    | All | a, b,<br>c, d | b, f                    | -  | a, b | All | -             | b*, f*       | a, b, c,<br>d*, e*,<br>f*, h, i | All |
|  | 1.3.11 Sewage effluent discharge to surface water requiring specific substances assessment (any volume)  |                    | All | a, b,<br>c, d | b, f                    | -  | a, b | All | b, c,<br>d, e | b*, c,<br>f* | a, b, c,<br>d*, e*,<br>f*, h, i | All |
| Water<br>company<br>WwTW treated<br>sewage   | 1.3.5 Sewage effluent discharge with a volume up to and including 5 m³/day to surface water (not requiring specific substances assessment)                         |                    | All | a, b          | a, f (b is optional)    | -  | -    | All | -             | a, b*,<br>f* | a, b, c,<br>f*, h, i            | All |
| effluent                                     | 1.3.6 Sewage effluent discharge with a volume up to and including 5 m³/day to groundwater (not requiring specific substances assessment)                           |                    | All | a, b          | a, f (b is<br>optional) | -  | -    | All | -             | a, d, f*     | a, b, c,<br>f*, h, i            | All |

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| Type of effluent                           | Charge band  | Please<br>tick box | Q1  | Q2   | Q3                      | Q4                                    | Q5 | Q6  | Q7               | Q8               | Q9                              | Q10 |
|--|--|--------------------|-----|------|-------------------------|---------------------------------------|----|-----|------------------|------------------|---------------------------------|-----|
| Water<br>company<br>WwTW treated<br>sewage | 1.3.7 Sewage effluent discharge with a volume greater than 5 m³/day up to and including 15 m³/day to groundwater (not requiring specific substances assessment)    |                    | All | a, b | a, f (b is<br>optional) | -                                     | -  | All | -                | a, d, f*         | a, b, c,<br>f*, h, i            | All |
| effluent                                   | 1.3.8 Sewage effluent discharge with a volume greater than 15 m³/day to groundwater (not requiring specific substances assessment)                                 |                    | All | a, b | a, f (b is<br>optional) | -                                     | -  | All | -                | a, d, f*         | a, b, c,<br>d*, e*,<br>f*, h, i | All |
|  | 1.3.9 Sewage effluent discharge to groundwater requiring specific substances assessment (any volume)   |                    | All | a, b | a, f (b is optional)    | -                                     | -  | All | a, b, c,<br>d, e | a, d, f*         | a, b, c,<br>d*, e*,<br>f*, h, i | All |
|  | 1.3.10 Sewage effluent discharge with a volume greater than 5 m³/day up to and including 50 m³/day to surface water (not requiring specific substances assessment) |                    | All | a, b | a, f (b is<br>optional) | -                                     | -  | All | -                | a, b*,<br>f*     | a, b, c,<br>f*, h, i            | All |
|  | 1.3.11 Sewage effluent discharge with a volume greater than 50 m³/day to surface water (not requiring specific substances assessment)                              |                    | All | a, b | a, f (b is<br>optional) | -                                     | -  | All | -                | a, b*,<br>f*     | a, b, c,<br>d*, e*,<br>f*, h, i | All |
|  | 1.3.11 Sewage effluent discharge to surface water requiring specific substances assessment (any volume)  |                    | All | a, b | a, f (b is optional)    | -                                     | -  | All | a, b, c,<br>d, e | a, b*,<br>c, f*  | a, b, c,<br>d*, e*,<br>f*, h, i | All |
| Settled storm<br>sewage                    | 1.3.19 Combined sewer overflow   |                    | All | a, b | -                       | a, b,<br>c, d, f,<br>g, h, i,<br>j, k | -  | All | -                | a, b*,<br>d*, f* | b, g, h, i                      | All |

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| Type of effluent                                       | Charge band   | Please<br>tick box | Q1  | Q2            | Q3      | Q4                                    | Q5   | Q6  | Q7            | Q8               | Q9                        | Q10 |
|--|---|--------------------|-----|---------------|---------|---------------------------------------|------|-----|---------------|------------------|---------------------------|-----|
| Storm sewage   | 1.3.19 Combined sewer overflow  |                    | All | a, b          | -       | a, b,<br>c, e, f,<br>g, h, i,<br>j, k | -    | All | -             | a, b*,<br>d*, f* | b, g, h, i                | All |
| Emergency overflow                                     | 1.3.20 Emergency overflows  |                    | All | a, b          | -       | a, l, m,<br>n, o                      | -    | All | -             | a, b*,<br>d*, f* | b, g, h, i                | All |
| Trade and/or<br>non-sewage<br>– known<br>volume        | 1.3.12 Trade and/or non-sewage effluent discharge to surface water or groundwater with a volume up to and including 5 m³/day (not requiring specific substances assessment) |                    | All | a, b,<br>c, d | b, c, f | -                                     | a, b | All | b, c,<br>d, e | b*, d*,<br>f*    | b, f*,<br>h, i            | All |
|  | 1.3.13 Trade and/or non-sewage effluent discharge to surface water or groundwater with a volume greater than 5 m³/day (not requiring specific substances assessment)        |                    | All | a, b,<br>c, d | b, c, f | -                                     | a, b | All | b, c,<br>d, e | b*, d*,<br>f*    | b, d*,<br>e*, f*,<br>h, i | All |
|  | 1.3.14 Trade and/or non-sewage effluent discharge to surface water or groundwater requiring specific substances assessment (any volume)                                     |                    | All | a, b,<br>c, d | b, c, f | -                                     | a, b | All | b, c,<br>d, e | b*, c,<br>d*, f* | b, d*,<br>e*, f*,<br>h, i | All |
| Trade and/or<br>non-sewage<br>– rainfall-<br>dependent | 1.3.12 Trade and/or non-sewage effluent discharge to surface water or groundwater with a volume up to and including 5 m³/day (not requiring specific substances assessment) |                    | All | a, b          | b, e, f | -                                     | -    | All | b, c,<br>d, e | b*, d*,<br>f*    | b, f*,<br>h, i            | All |
|  | 1.3.13 Trade and/or non-sewage effluent discharge to surface water or groundwater with a volume greater than m³/day (not requiring specific substances assessment)          |                    | All | a, b          | b, e, f | -                                     | -    | All | b, c,<br>d, e | b*, d*,<br>f*    | b, d*,<br>e*, f*,<br>h, i | All |

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| Type of effluent                                       | Charge band   | Please<br>tick box | Q1  | Q2            | Q3      | Q4 | Q5   | Q6  | Q7            | Q8               | Q9                              | Q10 |
|--|---|--------------------|-----|---------------|---------|----|------|-----|---------------|------------------|---------------------------------|-----|
| Trade and/or<br>non-sewage<br>– rainfall-<br>dependent | 1.3.14 Trade and/or non-sewage effluent discharge to surface water or groundwater requiring specific substances assessment (any volume)                         |                    | All | a, b          | b, e, f | -  | -    | All | b, d, e       | b*, c,<br>d*, f* | b, d*,<br>e*, f*,<br>h, i       | All |
| Mixed effluent<br>(sewage<br>combined<br>with trade    | 1.3.5 Sewage effluent discharge with a volume up to and including 5 m³/day to surface water (not requiring specific substances assessment)                      |                    | All | a, b,<br>c, d | b, c, f | -  | a, b | All | b, c,<br>d, e | b*, f*           | a, b, c,<br>f*, h, i            | All |
| and/or non-<br>sewage)<br>– known<br>volume            | 1.3.6 Sewage effluent discharge with a volume up to and including 5 m³/day to groundwater (not requiring specific substances assessment)                        |                    | All | a, b,<br>c, d | b, c, f | -  | a, b | All | b, c,<br>d, e | d, f*            | a, b, c,<br>f*, h, i            | All |
|  | 1.3.7 Sewage effluent discharge with a volume greater than 5 m³/day up to and including 15 m³/day to groundwater (not requiring specific substances assessment) |                    | All | a, b,<br>c, d | b, c, f | -  | a, b | All | b, c,<br>d, e | d, f*            | a, b, c,<br>f*, h, i            | All |
|  | 1.3.8 Sewage effluent discharge with a volume greater than 15 m³/day to groundwater (not requiring specific substances assessment                               |                    | All | a, b,<br>c, d | b, c, f | -  | a, b | All | b, c,<br>d, e | d, f             | a, b, c,<br>d*, e*,<br>f*, h, i | All |
|  | 1.3.9 Sewage effluent discharge to groundwater requiring specific substances assessment (any volume)  |                    | All | a, b,<br>c, d | b, c, f | -  | a, b | All | b, c,<br>d, e | d, f*            | a, b, c,<br>d*, e*,<br>f*, h, i | All |

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| Type of effluent                                    | Charge band  | Please<br>tick box | Q1  | Q2            | Q3               | Q4 | Q5   | Q6  | Q7            | Q8      | Q9                              | Q10 |
|---|--|--------------------|-----|---------------|------------------|----|------|-----|---------------|---------|---------------------------------|-----|
| Mixed effluent<br>(sewage<br>combined<br>with trade | 1.3.10 Sewage effluent discharge with a volume greater than 5 m³/day up to and including 50 m³/day to surface water (not requiring specific substances assessment) |                    | All | a, b,<br>c, d | b, c, f          | -  | a, b | All | b, c,<br>d, e | b*, f*  | a, b, c,<br>f*, h, i            | All |
| and/or non-<br>sewage)<br>– known<br>volume         | 1.3.11 Sewage effluent discharge with a volume greater than 50 m³/day to surface water (not requiring specific substances assessment)                              |                    | All | a, b,<br>c, d | b, c, f          | -  | a, b | All | b, c,<br>d, e | b*, f*  | a, b, c,<br>d*, e*,<br>f*, h, i | All |
|   | 1.3.11 Sewage effluent discharge to surface water requiring specific substances assessment (any volume)  |                    | All | a, b,<br>c, d | b, c, f          | -  | a, b | All | b, c,<br>d, e | b, c, d | a, b, c,<br>d*, e*,<br>f*, h, i | All |
| Mixed effluent<br>(sewage<br>combined<br>with trade | 1.3.5 Sewage effluent discharge with a volume up to and including 5 m³/day to surface water (not requiring specific substances assessment)                         |                    | All | a, b          | b, c, d,<br>e, f | -  | a, b | All | b, c,<br>d, e | b*, f*  | a, b, c,<br>f*, h, i            | All |
| and/or non-<br>sewage)<br>containing<br>rainfall-   | 1.3.6 Sewage effluent discharge with a volume up to and including 5 m³/day to groundwater (not requiring specific substances assessment)                           |                    | All | a, b          | b, c, d,<br>e, f | -  | a, b | All | b, c,<br>d, e | d, f*   | a, b, c,<br>f*, h, i            | All |
| dependent<br>effluent                               | 1.3.7 Sewage effluent discharge with a volume greater than 5 m³/day up to an including 15 m³/day to groundwater (not requiring specific substances assessment)     |                    | All | a, b          | b, c, d,<br>e, f | -  | a, b | All | b, c,<br>d, e | d, f*   | a, b, c,<br>f*, h, i            | All |
|   | 1.3.8 Sewage effluent discharge with a volume greater than 15 m³/day to groundwater (not requiring specific substances assessment)                                 |                    | All | a, b          | b, c, d,<br>e, f | -  | a, b | All | b, c,<br>d, e | d, f*   | a, b, c,<br>d*, e*,<br>f*, h, i | All |

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| Type of effluent  | Charge band  | Please<br>tick box | Q1  | Q2            | Q3               | Q4 | Q5   | Q6  | Q7                  | Q8               | Q9                              | Q10 |
|---|--|--------------------|-----|---------------|------------------|----|------|-----|---------------------|------------------|---------------------------------|-----|
| Mixed effluent<br>(sewage<br>combined                           | 1.3.9 Sewage effluent discharge to groundwater requiring specific substances assessment (any volume)   |                    | All | a, b          | b, c, d,<br>e, f | -  | a, b | All | b, c,<br>d, e       | d, f*            | a, b, c,<br>d*, e*,<br>f*, h, i | All |
| with trade<br>and/or non-<br>sewage)<br>containing<br>rainfall- | 1.3.10 Sewage effluent discharge with a volume greater than 5 m³/day up to and including 50 m³/day to surface water (not requiring specific substances assessment) |                    | All | a, b          | b, c, d,<br>e, f | -  | a, b | All | b, c,<br>d, e       | b*, f*           | a, b, c,<br>f*, h, i            | All |
| dependent<br>effluent   | 1.3.11 Sewage effluent discharge with a volume greater than 50 m³/day to surface water (not requiring specific substances assessment)                              |                    | All | a, b          | b, c, d,<br>e, f | -  | a, b | All | b, c,<br>d, e       | b*, f*           | a, b, c,<br>d*, e*,<br>f*, h, i | All |
|   | 1.3.11 Sewage effluent discharge to surface water requiring specific substances assessment (any volume)  |                    | All | a, b          | b, c, d,<br>e, f | -  | a, b | All | b, c,<br>d, e       | b*, c,<br>f*     | a, b, c,<br>d*, e*,<br>f*, h, i | All |
| Trade –<br>returned<br>abstracted                               | 1.3.15 Cooling water or thermal discharge to surface water or groundwater (not requiring specific substances assessment)   |                    | All | a, b,<br>c, d | b, c, f          | -  | -    | All | b, c, d,<br>e, f, g | b*, d*,<br>f*    | a*, b,<br>d*, e*,<br>f*, h, i   | All |
| water (including ground source                                  | 1.3.16 Cooling water or thermal discharge to surface water or groundwater requiring specific substances assessment   |                    | All | a, b,<br>c, d | b, c, f          | -  | -    | All | b, c, d,<br>e, f, g | b*, c,<br>d*, f* | a*, b,<br>d*, e*,<br>f*, h, i   | All |
| heating and cooling)  | 1.3.17 Aquaculture (not requiring specific substances assessment)  |                    | All | a, b,<br>c, d | b, c, f          | -  | -    | All | b, c,<br>d, e       | b*, d*,<br>f*    | a*, b,<br>d*, e*,<br>f*, h, i   | All |
|   | 1.3.18 Aquaculture requiring specific substances assessment  |                    | All | a, b,<br>c, d | b, c, f          | -  | -    | All | b, c,<br>d, e       | b*, c,<br>d*, f* | a*, b,<br>d*, e*,<br>f*, h, i   | All |

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| Type of effluent   | Charge band  | Please<br>tick box | Q1         | Q2 | Q3         | Q4 | Q5    | Q6         | Q7                  | Q8           | Q9                     | Q10   |
|--|--|--------------------|------------|----|------------|----|-------|------------|---------------------|--------------|------------------------|-------|
| Effluent and/or contaminated surface water run-off arising from the operation of an installation | No additional charge, as already included as part of the installation variation application charge |                    | a, b,<br>d | С  | b, c, d, f |    | a, b2 | a,<br>b, c | b, c, d,<br>e, f, g | d*,<br>e*, f | a, b, d,<br>e, f, h, i | a, b, |

<sup>\*</sup> Check the relevant question and our guidance notes on part C6 to see if you need to give an answer.

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| 1   | About the variation you are applying for  |  |  |  |  |  |  |  |  |  |
|-----|---|--|--|--|--|--|--|--|--|--|
| 1a  | Give a brief description of the changes you want to make to your permit   |  |  |  |  |  |  |  |  |  |
|     |   |  |  |  |  |  |  |  |  |  |
|     |   |  |  |  |  |  |  |  |  |  |
|     |   |  |  |  |  |  |  |  |  |  |
|     |   |  |  |  |  |  |  |  |  |  |
|     |   |  |  |  |  |  |  |  |  |  |
|     |   |  |  |  |  |  |  |  |  |  |
| 1b  | Give this effluent a unique name  |  |  |  |  |  |  |  |  |  |
|     |   |  |  |  |  |  |  |  |  |  |
| You | must use this name to identify this effluent throughout this application and all associated documents.  |  |  |  |  |  |  |  |  |  |
| 1c  | Is this a release from a dam, weir or sluice ('reservoir release') under Schedule 21 of the EPR meaning of water discharge activity?  |  |  |  |  |  |  |  |  |  |
|     | Yes   |  |  |  |  |  |  |  |  |  |
|     | No  |  |  |  |  |  |  |  |  |  |
| 1d  | Have you obtained all the necessary permissions in addition to this environmental permit to be able to carry out the discharge (see C6 guidance notes for more details)?  |  |  |  |  |  |  |  |  |  |
|     | Yes   |  |  |  |  |  |  |  |  |  |
|     | No  |  |  |  |  |  |  |  |  |  |
|     | N/A   |  |  |  |  |  |  |  |  |  |
| 2   | About the effluent – how long will you need to discharge the effluent for?  |  |  |  |  |  |  |  |  |  |
| 2a  | What date do you want the permit for this effluent to start?  |  |  |  |  |  |  |  |  |  |
|     | (DD/MM/YYYY)  |  |  |  |  |  |  |  |  |  |
| con | ase note that charges will start on this date, even if you have not started to discharge, unless you tact us to change (delay) the start date (see the guidance notes on part C6). The start date cannot be ore the permit is issued and cannot be changed (delayed) after it has already passed. |  |  |  |  |  |  |  |  |  |
| 2b  | Is the discharge time limited?  |  |  |  |  |  |  |  |  |  |
|     | Yes Please give the date you expect the discharge to end but please note that your permit will not end on that date and you will still need to notify us to surrender the permit  |  |  |  |  |  |  |  |  |  |
|     | (DD/MM/YYYY)  |  |  |  |  |  |  |  |  |  |
|     | No  |  |  |  |  |  |  |  |  |  |
| 2c  | Will the discharge take place all year?   |  |  |  |  |  |  |  |  |  |
|     | Yes   |  |  |  |  |  |  |  |  |  |
|     | No Please give details of the months when you will make the discharge   |  |  |  |  |  |  |  |  |  |
|     |   |  |  |  |  |  |  |  |  |  |

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| 2d | Will the discharge take place on more than six days in any year?  |
|----|---|
|    | Yes   |
|    | No  |
| 3  | How much do you want to discharge?  |
| 3a | What is the daily dry weather flow?   |
|    | cubic metres  |
| 3b | What is the maximum volume of effluent you will discharge in a day?   |
|    | cubic metres  |
|    | by how you calculated the figure given in the box below and continue on a separate sheet if necessary, ng a reference for the extra sheet |
|    |   |
|    |   |
|    |   |
|    |   |
|    |   |
|    |   |
|    | Document reference  |
|    |   |
| 3c | What is the maximum rate of discharge?  |
|    | L litres a second   |
| 3d | What is the maximum volume of non-rainfall dependent effluent you will discharge in a day?  |
|    | cubic metres  |
| 3e | What is the maximum rate of rainfall dependent discharge?   |
|    | litres a second   |
| 3f | For each answer in question 3, show how you worked out the figure on a separate sheet   |
|    | Document reference  |
|    |   |

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# 4 Intermittent sewage discharges

| 4a         | For each answer to b to o below, show how you worked out the figure on a separate sheet  Document reference |
|------------|---|
| 4b         | What is the total volume of the off-line/storm tank storage?  |
|            | cubic metres  |
| 4c         | What is the total volume of on-line storage?  |
|            | cubic metres  |
| 4d         | What is the pass forward flow at the settled storm overflow setting?  |
|            | litres per second   |
| 4e         | What is the pass forward flow at the storm overflow setting?  |
|            | litres per second   |
| 4f         | Is the discharge screened?  |
|            | Yes Answer the relevant questions from 4g to 4j   |
|            | No Now go to 4k   |
| 4g         | What is the mesh screen spacing?  |
|            | millimetres   |
| 4h         | What is the minimum screen capacity flow through the mesh screen?   |
|            | litres per second   |
| 4i         | What is the bar screen spacing?   |
|            | millimetres   |
| 4j         | What is the minimum screen capacity flow through the bar screen?  |
|            | L litres per second   |
| 4k         | Is the overflow constructed to good engineering design? Yes   |
|            | No On a separate sheet explain what standards the overflow has been constructed to                          |
|            | Document reference  |
| <b>4</b> l | What is the emergency storage capacity of the sewer and wet well?   |
| 41         | cubic metres  |
| 4m         | What is the storage time within the sewer and the wet well above the top water level at dry weather flow?   |
|            | hours and minutes   |

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| 4n   | What is t   | he pass forward flow at the pumping station?   |  |  |  |
|------|---|--|--|--|--|
|      |   | litres per second  |  |  |  |
| 40   | For intermittent emergency overflows you must provide a document setting out the key protection measures you will provide |  |  |  |  |
|      | Documer   | nt reference for pumping station key protection measures   |  |  |  |
|      |   |  |  |  |  |
| 5    | Should  | your discharge be made to the foul sewer?  |  |  |  |
| Foul | l sewer me  | eans public or private foul sewer.   |  |  |  |
| Befo | ore answe   | ring these questions, you must read the guidance notes to part C6.   |  |  |  |
|      |   | need to contact your sewerage undertaker (usually your local water company) and you may<br>if it is possible to connect to a private foul sewer.   |  |  |  |
| 5a   | How far a   | away is the nearest foul sewer from the boundary of the premises?  |  |  |  |
|      |   | metres   |  |  |  |
| 5b   | To assess   | s whether it is reasonable to discharge your effluent into the foul sewer, please answer 5b1   |  |  |  |
| 5b1  | Discharg  | es from domestic properties  |  |  |  |
|      | Multiply  | the number of properties served by the sewage treatment system by 30 metres.   |  |  |  |
|      | Number  | of domestic properties served by the sewage treatment system   |  |  |  |
|      |   | x 30 metres =  |  |  |  |
|      |   | metres   |  |  |  |
| 5b2  | Discharg  | es from all other premises including trade effluent  |  |  |  |
|      | _   | e volume of the discharge (in cubic metres) by 0.75 and then multiply this figure by 30 metres   |  |  |  |
|      | Volume o  | of the discharge (answer to question 3b)   |  |  |  |
|      |   | cubic metres / 0.75 =  |  |  |  |
|      | 1   | x 30 =   |  |  |  |
|      |   |  |  |  |  |
|      |   | metres   |  |  |  |
|      | ls your ar<br>(answer t   | nswer to question 5b1 or 5b2 above greater than the distance to the nearest foul sewer to 5a)?   |  |  |  |
|      | No  | You do not need to explain why you cannot discharge your effluent into the foul sewer at this point. However, we may request this information from you when we determine your application. Now go to question 6.   |  |  |  |
|      | Yes   | You must explain on a separate sheet why you cannot discharge your effluent into the foul sewer, giving a reference for the extra sheet. Before you submit the application, you must explore the possibility of connecting to the foul sewer, and send us evidence that you have approached the sewerage undertaker, including their formal response regarding connection, if relevant. You must also show the extra cost of connecting to a sewer |  |  |  |

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such as roads, railways, rivers or canals.

compared with the treatment system you propose, and details of any physical obstacles

We will only agree to the use of private treatment systems within sewered areas if you can demonstrate that:

- the additional cost of connecting to the foul sewer would be unreasonable
- connection is not practically feasible, or
- the proposed private treatment system can be shown to significantly benefit the environment

We are unlikely to grant a permit for a discharge of treated domestic sewage in circumstances where a private sewerage system is being proposed due to a lack of capacity in the nearest public sewerage network.

The guidance notes to part C6 will help you understand what information you need to provide in order to answer this question.

| answer this question.  |  |
|--|--|
| Document reference for where you have given this justification |  |

| How will the effluent be treated?   |
|---|
| Do you treat your effluent?   |
| Yes Now go to question 6b   |
| No You must explain why the effluent will not be treated  |
| Document reference for where you have given this justification  |
|   |
| Fill in Table 2 for each stage of the treatments carried out on your effluent in the order in which they are carried out  |
| For installations with point source emission to water or sewer, there is no need to duplicate information already provided in part C3 form. Where this information is already provided, give the document reference and go to question 7. |
| Document reference  |
|   |
|   |

# Table 2 - Treatments carried out on your effluent

| Order of treatment | Code number | Description |
|--------------------|-------------|-------------|
| First              |             |             |
| Second             |             |             |
| Third              |             |             |
| Fourth             |             |             |
|                    |             |             |

Continue on a separate sheet if you need more rows. If you prefer, you can also send us an overall design for the whole treatment process.

| Document reference |  |  |
|--------------------|--|--|
| 1                  |  |  |

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### 7 What will be in the effluent?

For all applications, whether to surface water, or onto or into ground, you should still check to see if your discharge is likely to contain any of the specific substances listed in the guidance documents on 'Risk assessment for treated sewage or trade effluent discharges to surface water or groundwater' (see <a href="https://www.gov.uk/guidance/risk-assessments-for-your-environmental-permit">https://www.gov.uk/guidance/risk-assessments-for-your-environmental-permit</a>).

| <u>http</u> | s://www.gov.uk/guidance/risk-assessments-for-your-environmental-permit).   |
|-------------|--|
| Ans         | wer the relevant questions for your discharge below.   |
| 7a          | Are any of the specific substances listed in 'Risk assessment for treated sewage or trade effluent discharges to surface water or groundwater' likely to enter the sewerage system upstream of the discharge through any authorised or known inputs? |
|             | Yes  |
|             | No   |
| 7b          | Are any of the specific substances listed in 'Risk assessment for treated sewage or trade effluent discharges to surface water or groundwater' added to or present in the effluent as a result of the activities on the site?                        |
|             | Yes  |
|             | No   |
| 7c          | Have any of the specific substances listed in 'Risk assessment for treated sewage or trade effluent discharges to surface water or groundwater' been detected in samples of the effluent or in the sewerage catchment upstream of the discharge?     |
|             | Yes  |
|             | No   |
| 7d          | Are there any other harmful or specific substances in your effluent not mentioned in 'Risk assessment for treated sewage or trade effluent discharges to surface water or groundwater'?  |
|             | Yes  |
|             | No   |
| 7e          | If you have answered 'No' to any of questions 7a to 7d provide details on a separate sheet of how you have established that the effluent is not likely to contain specific substances.   |
|             | Document reference   |
|             |  |
| 7f          | What is the maximum temperature of your discharge?   |
|             | degrees Celsius  |
| 7g          | What is the maximum expected temperature change compared to the incoming water supply?   |
|             | increase in degrees Celsius  |
|             | decrease in degrees Celsius  |

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#### 8 Environmental risk assessments and modelling

You may need to carry out an environmental risk assessment or modelling to support your application. Please answer all the questions that are relevant to your discharge. If an environmental risk assessment or modelling is required, you must send it to us with your application.

# 8a Sewer modelling report (for discharges of final effluent from a water company WwTW or intermittent sewage discharges)

You must carry out sewer modelling following the guidance 'Surface water pollution risk assessment for your environmental permit' at <a href="https://www.gov.uk/guidance/risk-assessments-for-your-environmental-permit">https://www.gov.uk/guidance/risk-assessments-for-your-environmental-permit</a>.

Send us details of how the modelling was carried out and the outcome.

Document reference for the sewer modelling report

#### 8b Discharges to lakes, estuaries, coastal waters or bathing waters

You must carry out modelling following the guidance 'Surface water pollution risk assessment for your environmental permit' at <a href="https://www.gov.uk/guidance/risk-assessments-for-your-environmental-permit">https://www.gov.uk/guidance/risk-assessments-for-your-environmental-permit</a>. Send us details of how the modelling was carried out and the outcome.

Document reference for the modelling report

#### 8c Discharges to freshwater (non-tidal) rivers

If the discharge contains, or potentially contains, any specific substances, you must carry out screening following the guidance 'Surface water pollution risk assessment for your environmental permit' at <a href="https://www.gov.uk/guidance/risk-assessments-for-your-environmental-permit">https://www.gov.uk/guidance/risk-assessments-for-your-environmental-permit</a>. The guidance notes on part C6 outline the information you must provide.

Have you answered yes to any of 7a to 7d?

Yes Send us the completed screening tool, along with the raw data used to create the summary statistics

Document reference for the screening tool and raw data

No

#### 8d Discharges to groundwater

You must carry out a groundwater quantitative risk assessment following the guidance in 'Groundwater risk assessment for your environmental permit' at <a href="https://www.gov.uk/guidance/groundwater-risk-assessment-for-your-environmental-permit">https://www.gov.uk/guidance/groundwater-risk-assessment-for-your-environmental-permit</a>. Send us details of how the modelling was carried out and the outcome.

For groundwater remediation schemes you must send us a site-specific remediation strategy that has been agreed with the local Environment Agency Groundwater and Contaminated Land Team.

Document reference for the groundwater remediation report

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#### 8e Discharges to freshwater (non-tidal) rivers from an installation, including discharges via sewer

If the discharge contains, or potentially contains, any specific substances, you must carry out screening following the guidance (see <a href="https://www.gov.uk/guidance/surface-water-pollution-risk-assessment-for-your-environmental-permit">https://www.gov.uk/guidance/surface-water-pollution-risk-assessment-for-your-environmental-permit</a>). The guidance notes on part C6 outline the information you must provide.

Have you answered yes to any of 7a to 7d?

Yes Send us the completed screening tool, along with the raw data used to create the summary statistics. Where the discharge is via sewer, include sewage treatment reduction factors in the calculations.

| Doc | cument reference for the screening tool and raw data   |
|-----|--|
|     | re is no need to duplicate information already provided in part C3 form. Where this information is eady provided, give the document reference above. |
| 8f  | Environmental impact assessment  |
|     | Have you carried out an environmental impact assessment?   |
|     | Yes Send us details of how the assessment was carried out and the outcome  |
|     | Document reference for the environmental impact assessment   |
|     |  |
|     | No   |
| 9   | Monitoring arrangements  |
|     | e: If your effluent has a maximum volume of no more than 50 cubic metres a day you do not need to aplete question 9d or 9e.                          |
| 9a  | What is the national grid reference of the inlet sampling point? (for example, SJ 12345 67890)   |
|     |  |
| 9b  | What is the national grid reference of the effluent sample point?  |
|     |  |
| 9c  | Do you have an Urban Waste Water Treatment Directive final effluent sampling point?  |
|     | Yes Please provide the national grid reference   |
|     |  |
|     | No   |
| 9d  | What is the national grid reference of the flow monitoring point?  |
|     |  |
| 9e  | Does the flow monitor have an MCERTS certificate?  |
|     | Yes Please give the certificate number   |
|     |  |
|     | No   |

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| 9t | Do you have a UV disinfection efficacy monitoring point?   |
|----|--|
|    | Yes Please provide the national grid reference   |
|    |  |
|    | No   |
| 9g | Do you have an event duration monitoring point(s)?   |
|    | Yes Please provide the national grid reference   |
|    |  |
|    | No   |
| 9h | You should clearly mark on the plan the locations of any of the above that apply to this effluen |
|    | Document reference for the plan  |
|    |  |
| 9i | Do you intend to do your own effluent monitoring?  |
|    | Yes  |
|    | No   |
|    |  |

## 10 Where will the effluent discharge to?

10a Mark in Table 3 where this effluent discharges to and fill in the relevant appendix or appendices.

You must use the name you gave to this effluent in answer to question 1b of this form when filling in your relevant appendix or appendices.

# Table 3 - Where the effluent discharges to

| Receiving environment                                | Relevant appendix |
|--|-------------------|
| Borehole or well                                     | 1                 |
| Into land (for example, through a drainage system)   | 2                 |
| Onto land  | 3                 |
| Tidal river, tidal stream, estuary or coastal waters | 4                 |
| Non-tidal river, stream or canal                     | 5                 |
| Lake or pond   | 6                 |

10b Is this effluent discharged through more than one outlet?

Yes Give details, on a separate sheet, of the circumstances under which each outlet would be used by this effluent

| Document reference |  |  |  |  |  |  |
|--------------------|--|--|--|--|--|--|
|                    |  |  |  |  |  |  |
| No                 |  |  |  |  |  |  |

10c If you answered yes to question 10b above make sure you show clearly on your discharge point appendix or appendices and site plan that this one effluent can discharge to more than one discharge point.

You must give us all the details we need for each of the discharge points used by this effluent.

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#### 11 How to contact us

If you need help filling in this form, please contact the person who sent it to you or contact us as shown below.

General enquiries: 03708 506 506 (Monday to Friday, 8am to 6pm)

Textphone: 03702 422549 (Monday to Friday, 8am to 6pm)

Email: enquiries@environment-agency.gov.uk

Website: https://www.gov.uk/government/organisations/environment-agency

If you are happy with our service, please tell us. It helps us to identify good practice and encourages our staff. If you're not happy with our service, please tell us how we can improve it.

Please tell us if you need information in a different language or format (for example, in large print) so we can keep in touch with you more easily.

#### **Feedback**

| reeupack  |
|---|
| You don't have to answer this part of the form, but it will help us improve our forms if you do.)   |
| We want to make our forms easy to fill in and our guidance notes easy to understand. Please use the space below to give us any comments you may have about this form or the guidance notes that came with it. |
|   |
|   |

| How lon | ıg did it take | e you to fill in | this form? |  |
|---------|----------------|------------------|------------|--|
|         |                |                  |            |  |

We will use your feedback to improve our forms and guidance notes, and to tell the Government how regulations could be made simpler.

Would you like a reply to your feedback?

Yes please

No thank you



| For Environment Agency use only |           |                 |
|---------------------------------|-----------|-----------------|
| Date received (DD/MM/YYYY)      | Payment i | received?       |
|                                 | No        |                 |
| Our reference number            | Yes       | Amount received |
|                                 |           | f               |

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#### Plain English Campaign's Crystal Mark does not apply to appendices 1 to 6.

# Appendix 1 - Discharges to a borehole or well (or other deep structure)

If you are discharging the effluent to a borehole or well or other deep structure (such as concrete rings, natural swallow hole or deep soakage pit) you must ensure that the discharge is indirect to groundwater. Direct discharges to groundwater cannot be permitted. We will undertake a groundwater quantitative risk assessment on your behalf in line with the guidance 'Groundwater risk assessment for your environmental permit' at https://www.gov.uk/guidance/groundwater-risk-assessment-for-your-environmental-permit.

For us to do this you must answer the following questions relevant to your application and provide us with additional information as summarised in Table 4.

Without this information we will be unable to complete the risk assessment and it is likely your application will be rejected.

Answer all the questions below. Use a separate line for each effluent if more than one effluent discharges using this discharge point. Remember, when linking your effluent to a discharge point you must use the

| nan | ne you gave to your effluent i               | in answer to question 1b in the effluent form.  |
|-----|--|---|
| 1.1 | Give the discharge point a                   | unique name   |
|     | For example, 'Outlet 1' (you                 | ı must use this name to identify the discharge point on the plan)                                 |
|     | L  |   |
| 1.2 | Give the national grid refere                |   |
|     |  |   |
| 1.3 | Is the discharge to ground v                 | via a   |
|     | Well   |   |
|     | Borehole                                     |   |
|     | Other deep structure                         | Please give details (e.g. concrete ring structure, shaft, natural swallow hole, soakage pit etc.) |
|     |  |   |
| 1.4 | What is the diameter of the discharged into? | borehole, well or other deep structure that the effluent will be                                  |
|     | metres                                       | 5   |
| 1.5 | Is the borehole, well or other               | er structure already constructed?   |
|     | Yes Now answer que                           | ·   |
|     | No Now answer que                            |   |

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# Existing borehole, well or other deep structure

| 1.6 | What is the total depth to the bottom of the existing well, borehole or other structure?  |
|-----|---|
|     | metres below ground level   |
|     | If you are unaware of the actual depth please estimate the depth based on the following categories:   |
|     | 0–5 metres  |
|     | 5–10 metres   |
|     | Greater than 10 metres  |
|     | Uncertain   |
|     | What evidence is the estimated depth above based on?  |
|     |   |
| 1.7 | Does the well, borehole or other structure extend into groundwater?   |
|     | Yes – always contains water   |
|     | Sometimes – water is present occasionally   |
|     | No – never contains water   |
|     | If groundwater is always, or sometimes, present, what is the highest level that the standing water reaches?   |
|     | Measured  |
|     | metres below ground level   |
|     | Estimated   |
|     | metres below ground level   |
| 1.8 | Please provide any records, diagrams or borehole logs you may have that could help us understand:   |
|     | <ul> <li>the method of construction (including any solid casings or linings used)</li> </ul>  |
|     | the likely depth of the deep structure  |
|     | the local groundwater conditions  |
|     | Please provide photocopies where possible. If it is not possible (for example, if the documents are large or bulky) please summarise any additional information you have on a separate sheet. |
|     | Document reference for the records, diagrams, or borehole logs  |
|     |   |

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| 1.9   | •  | been carried out on you<br>e drainage), please give                                |  | er deep structure (for   |
|-------|--|--|--|--|
|       |  |  |  |  |
|       |  |  |  |  |
|       |  |  |  |  |
|       |  |  |  |  |
| Pleas | e now answer question 1  | .13  |  |  |
| Prop  | osed borehole, well  | or other deep structi  | ire that has not ye  | t been constructed   |
| 1.10  | forms an important part<br>have you considered, a<br>answer questions 1.10a<br>box any relevant inform | t of our permit determina<br>nd why did you decide th<br>a and 1.10b to provide th | ation process. Which mese were not feasible<br>ne results of soakage t<br>ecisions (for example, p | nage system. This information nethods of shallow disposal to take forward? Please ests and summarise in the permission refusals from buildings). |
|       |  |  |  |  |
| 1.10a | a What was your percolat   | ion value (Vp) result?   |  |  |
|       | sec  | conds per millimetre   |  |  |
| You n | nust show in Table 4 how   | you worked out the perc  | olation value.   |  |
| Table | e 4 – Percolation valu   | ie   |  |  |
|       | Trial 1  | Trial 2  | Trial 2  | Λυστασο  |

|        | Trial 1 | Trial 2 | Trial 3 | Average |
|--------|---------|---------|---------|---------|
| Hole 1 |         |         |         |         |
| Hole 2 |         |         |         |         |
| Hole 3 |         |         |         |         |
| Hole 4 |         |         |         |         |

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| 1.10b | your infiltration system?  |  |  |  |  |
|-------|--|--|--|--|--|
|       | square metres  |  |  |  |  |
|       | Supporting information to explain why you are unable to install a shallow engineered drainage system can be appended to your application.  |  |  |  |  |
|       | Document reference for these details   |  |  |  |  |
|       |  |  |  |  |  |
| 1.11  | Please tell us the type of deep structure (for example, borehole, well, deep soakage pit) you propose to install   |  |  |  |  |
|       |  |  |  |  |  |
|       |  |  |  |  |  |
|       |  |  |  |  |  |
|       |  |  |  |  |  |
|       |  |  |  |  |  |
|       | What will the total depth be?  |  |  |  |  |
|       | metres below ground level  |  |  |  |  |
| 1.12  | Please tell us the reason this depth has been selected and, if you are aware of any relevant existing information on local water levels, please also tell us the depth to groundwater (in metres below ground level). What measures will you undertake to ensure the discharge is not direct into groundwater? If the discharge will be direct to groundwater explain why you cannot make it indirect. Direct discharges to groundwater cannot be permitted. |  |  |  |  |
|       |  |  |  |  |  |
|       |  |  |  |  |  |
|       |  |  |  |  |  |
|       |  |  |  |  |  |
|       |  |  |  |  |  |
|       |  |  |  |  |  |

# Proximity of your discharge to other receptors

- 1.13 Is the borehole, well or other deep structure where the discharge is being/will be made within 50 metres of any other well, spring or borehole used to supply water for drinking water or food production purposes?
  - Yes Please show the location of the well, spring or borehole you identified in answer to question 1.13 on the plan you have provided for section 4 of the main application form. Please now answer question 1.14

No Please now answer question 1.15

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| 1.14   | Please tell us about the water supply (or supplies) used for drinking water or food production purposes identified in question 1.13 above; for example, the name of the property or properties served by the water supply, what they use the water for (drinking water, food production) and where they are in relation to your discharge |
|--------|---|
|        |   |
|        |   |
|        |   |
|        |   |
|        |   |
| 1.15   | What is the distance to the nearest watercourse (for example, surface water, river, stream or ditch)?   |
|        | metres  |
| Please | e tell us whether you have considered discharging to surface water and why this is not feasible   |
|        |   |
|        |   |
|        |   |
|        |   |
|        |   |
|        |   |
| In Tab | le 5 please provide any further information required for us to complete a groundwater quantitative  |

In Table 5 please provide any further information required for us to complete a groundwater quantitative risk assessment on your behalf in line with the guidance 'Groundwater risk assessment for your environmental permit' at <a href="https://www.gov.uk/guidance/groundwater-risk-assessment-for-your-environmental-permit">https://www.gov.uk/guidance/groundwater-risk-assessment-for-your-environmental-permit</a>. Without this information we will be unable to carry out a hydrogeological risk assessment on your behalf.

Table 5 summarises the information required to allow us to undertake a hydrogeological risk assessment of your discharge to a deep infiltration system. Without this information your application will be rejected. You will already have provided some of this information earlier in this application form. We also need you to provide additional information indicated by a tick ( ) in Table 5. For further guidance on the additional information required please search for 'Groundwater risk assessment for your environmental permit' at <a href="https://www.gov.uk/guidance/groundwater-risk-assessment-for-your-environmental-permit">https://www.gov.uk/guidance/groundwater-risk-assessment-for-your-environmental-permit</a> and the guidance notes on part C6. You may require the advice of an environmental consultant to collate this information.

For some of the risk assessment inputs we are better placed to provide the information and will do so for those parameters indicated by an asterisk (\*) as far as possible. However, if you wish to provide site-specific information for those parameters with an asterisk you are welcome to do so.

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# Table 5 – Further information required for the Environment Agency to complete a groundwater quantitative risk assessment on your behalf

| Information   | Description  | Existing structure   | Proposed structure | Information supplied?                    |
|---|--|----------------------|--------------------|--|
| Information supplied by th                                | e applicant  |                      | •                  |  |
| This has already been requ                                | uested earlier in the application fo                                   | orm                  |                    |  |
| National grid reference of the discharge point            |  | Appendix 1<br>Q2     | Appendix 1<br>Q2   |  |
| Volume of effluent<br>(m³ per day)                        |  | Q3b                  | Q3b                |  |
| Type of effluent treatment                                | Septic tank, package treatment plant, other                            | Q6                   | Q6                 |  |
| Type of deep infiltration system                          | Borehole, well, concrete ring structure, other                         | Appendix 1<br>Q3     | Appendix 1<br>Q3   |  |
| Diameter of deep infiltration system (metres)             |  | Appendix 1<br>Q4     | Appendix 1<br>Q4   | Information you have already supplied on |
| Depth to the base of deep infiltration structure (metres) |  | Appendix 1<br>Q6     | Appendix 1<br>Q11  | the application<br>form                  |
| Depth to water table (metres)                             | Is discharge above or below water table?                               | Appendix 1<br>Q7, Q8 | Appendix 1<br>Q12  |  |
| Justification for a deep infiltration system              | Why are you unable to install a shallow infiltration system?           |                      |                    |  |
|   | What other options for disposal have been considered?                  | Appendix<br>1 Q8 if  | Appendix 1<br>Q10  |  |
|   | Provide full details of the infiltration tests undertaken plus results | available            |                    |  |

Information supplied by the applicant

This is additional information we need from you that is not provided elsewhere on the application form. Site data should be given where it is already available. If not, you can submit the relevant literature values quoting the source of the data and justification of the values you have selected. Please tick the right-hand column to confirm you have provided this essential information.

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| Information  | Description   | Existing structure | Proposed structure | Information supplied? |
|--|---|--------------------|--------------------|-----------------------|
| Concentration of relevant substances entering the infiltration system    | For discharges of domestic effluent we will routinely assess the concentration of nitrogen species, particularly the ammonium concentration   | <b>√</b>           | <b>✓</b>           |                       |
| Length of screened<br>borehole section below<br>the water table (metres) | Depth in metres of the borehole screened section that is below the water table (This applies only to boreholes that have groundwater in the base)   | <b>✓</b>           | <b>✓</b>           |                       |
| Calculated area of infiltration system (square metres)                   | Explain how the area of the infiltration system has been calculated – this is especially relevant if a non-circular system is used  | <b>✓</b>           | <b>✓</b>           |                       |
| Unsaturated zone parameters  | The following represent the strata above the water table:  • hydraulic conductivity (metres per day)  • water-filled porosity (per cent)  • bulk density (grammes per cubic centimetre)   | ✓                  | <b>✓</b>           |                       |
| Saturated zone parameters  | The following represent the strata above the water table:  • hydraulic conductivity (metres per day)  • water-filled porosity (per cent)  • bulk density (grammes per cubic centimetre)  • hydraulic gradient of the water table (fraction) | <b>✓</b>           | <b>√</b>           |                       |

Information provided by the Environment Agency where possible

You are free to provide this information if you wish, or in some specific cases we may need to ask for this at a later stage. Please tick if you have provided this information (optional).

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| Information  | Description  | Existing structure | Proposed structure | Information supplied? |
|--|--|--------------------|--------------------|-----------------------|
| Environmental standard                                   | The relevant environmental standard or compliance value against which we will assess your effluent discharge   | *                  | *                  |                       |
| Half-life for degradation of the substance (days)        | If you wish to know more about these parameters see  | *                  | *                  |                       |
| Soil water partition coefficient (litres per kilogramme) | 'Groundwater risk assessment for your environmental permit' at <a href="https://www.gov.">https://www.gov.</a> | *                  | *                  |                       |
| Mixing zone thickness (metres)                           | uk/guidance/groundwater-<br>risk-assessment-for-your-<br>environmental-permit                                  | *                  | *                  |                       |
| Distance to compliance point (metres)                    |  | *                  | *                  |                       |

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# Appendix 2 - Discharges into land

Answer the questions below. Use a separate line for each effluent if more than one effluent discharges using this discharge point. Remember, when linking your effluent to a discharge point you must use the name you gave to your effluent in answer to question 1b in the effluent form.

| 2.1  | Give the dis   | charge point a unique name   |
|------|----------------|--|
|      | For example    | e, 'Outlet 1' (you must use this name to identify the discharge point on the plan)   |
|      |                |  |
| 2.2  | Give the na    | tional grid reference of the discharge point   |
|      |                |  |
| 2.3  | Is your infilt | ration system new or existing?   |
|      | New            | Now go to question 2.5   |
|      | Existing       | g Now go to question 2.4   |
| 2.4a | When was i     | t built?   |
|      | 1              |  |
| 2.4b |                | r questions 2.5–2.8 if you are able to, if not leave them blank and go to question 2.9   |
| 2.5  |                | ration system designed and built to British Standard 6297:2007 + A1:2008 or the dards in force at the time of installation?                          |
|      | Yes            |  |
|      | No             | Please provide details, on a separate sheet, of the design criteria used for your infiltration system  |
|      | Document r     | eference   |
|      | 1              |  |
| 2.6  |                | te did you carry out a percolation test and dig a trial hole in line with British Standard + A1:2008?  |
|      |                | (DD/MM/YYYY)   |
| 2.7  | What is you    | r percolation value (Vp) result?   |
|      |                | seconds per millimetre   |
| \/   | . 1 • •        | Table Charles and advertibe manufactors about the manufactors about the second sections of the second sections and the second sections are sections. |

You must show in Table 6 how you worked out the percolation value. Please also provide your test sheets and any field notes or observations made regarding ground conditions.

#### Table 6 - Percolation value

|        | Trial 1 | Trial 2 | Trial 3 | Average |
|--------|---------|---------|---------|---------|
| Hole 1 |         |         |         |         |
| Hole 2 |         |         |         |         |
| Hole 3 |         |         |         |         |
| Hole 4 |         |         |         |         |

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| 2.8  | 8 Please show us how you have calculated the area (A) of your infiltration system   |  |  |  |  |  |
|--|---|--|--|--|--|--|
|  | р   | X  |  |  |  |  |
|  | Vp  | x  |  |  |  |  |
|  | 0.25 for septic tanks =   |  |  |  |  |  |
|  | Α   | square metres  |  |  |  |  |
|  | or  |  |  |  |  |  |
|  | p   | X  |  |  |  |  |
|  | Vp  | X  |  |  |  |  |
|  | 0.20 for package treatment plants =   |  |  |  |  |  |
|  | Α   | square metres  |  |  |  |  |
|  | р Рорг  | ulation based on maximum occupancy   |  |  |  |  |
|  | Vp Perc   | olation value in seconds/mm  |  |  |  |  |
| 2.9  | If known, mark on the plan you have provided the extent of the infiltration system. Please write on the plan the length and width of the sides in metres. |  |  |  |  |  |
| 2.10   | Is any part of your infiltration system within 50 metres of a well, spring or borehole?   |  |  |  |  |  |
|  | No  |  |  |  |  |  |
|  | Yes   | Identify the location of the well, spring or borehole on the plan you have provided and answer question 2.11 |  |  |  |  |
| 2.11 Is the well, spring or borehole you have identified used to supply water? |   |  |  |  |  |  |
|  | No  |  |  |  |  |  |
|  | Yes   | You must describe what the water supplied is used for  |  |  |  |  |
|  |   |  |  |  |  |  |
|  |   |  |  |  |  |  |
|  |   |  |  |  |  |  |
|  |   |  |  |  |  |  |
|  |   |  |  |  |  |  |
| 2.12   |   | t of your infiltration system within 10 metres of a watercourse?   |  |  |  |  |
|  | No  |  |  |  |  |  |
|  | Yes   | Identify the location of the watercourse on the plan you have provided for section 4 of part C2              |  |  |  |  |
|  |   |  |  |  |  |  |

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# Appendix 3 - Discharges onto land

Answer all the questions below. Use a separate line for each effluent if more than one effluent discharges using this discharge point. Remember, when linking your effluent to a discharge point you must use the name you gave to your effluent in answer to question 1b in the effluent form.

| 3.1  | Give the discharge point a unique name   |   |  |  |  |  |
|------|--|---|--|--|--|--|
|      | For example, 'Outlet 1' (you must use this name to identify the discharge point on the plan) |   |  |  |  |  |
|      |  |   |  |  |  |  |
| 3.2  | Give the r   | Give the national grid reference of the discharge point                                 |  |  |  |  |
|      |  |   |  |  |  |  |
| 3.3  | Select fro   | m the table below the type of area where the effluent is disposed of                    |  |  |  |  |
| Area | type   |   |  |  |  |  |
| Unli | ned reed be  | ed .  |  |  |  |  |
| Unli | ned grass p  | lot   |  |  |  |  |
| Unli | ned wetlan   | d   |  |  |  |  |
| Othe | er   | Please specify below  |  |  |  |  |
|      |  |   |  |  |  |  |
|      |  |   |  |  |  |  |
|      |  |   |  |  |  |  |
|      |  |   |  |  |  |  |
|      |  |   |  |  |  |  |
| 3.4  | What is the surface area of the land used for your disposal?                                 |   |  |  |  |  |
|      |  | square metres   |  |  |  |  |
| 3.5  | Is any part of your infiltration system within 50 metres of a well, spring or borehole?      |   |  |  |  |  |
|      | No   | ,   |  |  |  |  |
|      | Yes  | Identify the location of the well, spring or borehole on the plan you have provided and |  |  |  |  |
| 2.6  | 1 11 1   | answer question 3.6   |  |  |  |  |
| 3.6  |  | ll, spring or borehole you have identified used to supply water?                        |  |  |  |  |
|      | No   |   |  |  |  |  |
|      | Yes  | You must describe what the water supplied is used for                                   |  |  |  |  |
|      |  |   |  |  |  |  |
|      |  |   |  |  |  |  |
|      |  |   |  |  |  |  |
|      |  |   |  |  |  |  |
|      |  |   |  |  |  |  |
| 3.7  | Is any pa  | rt of your infiltration system within 10 metres of a watercourse?                       |  |  |  |  |
|      | No   |   |  |  |  |  |
|      | Yes  | Identify the location of the watercourse on the plan you have provided for section 4    |  |  |  |  |

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of part C2

# Appendix 4 - Discharges to tidal river, tidal stream, estuary or coastal waters

Answer all the questions below. Use a separate line for each effluent if more than one effluent discharges using this discharge point. Remember, when linking your effluent to a discharge point you must use the name you gave to your effluent in answer to question 1b in the effluent form.

|              | scharge point a unique name  |
|--------------|--|
| For examp    | le, 'Outlet 1' (you must use this name to identify the discharge point on the plan)    |
| Give the na  | ational grid reference of the discharge point  |
|              |  |
| ive the na   | ame of the tidal river, tidal stream, estuary or area of coastal water if you know it  |
|              |  |
| s the discl  | narge into a   |
| Tidal ı      | iver   |
| Tidal        | stream   |
| An est       | uary   |
| Coast        | al water   |
| Does the d   | ischarge reach the watercourse by flowing through a surface water sewer?               |
| Yes          | Give the national grid reference where the discharge enters the surface water sewer    |
|              |  |
| No           |  |
| s the disc   | narge point above the mean low water spring tide mark?                                 |
| Yes          | Please explain, on a separate sheet, why the discharge cannot be made below this point |
| Document     | reference  |
|              |  |
| No           |  |
| How is the   | effluent dispersed?  |
| For examp    | le, open pipe or diffuser system   |
| ·            |  |
| f diffuser s | system go to question 4.8  |
|              | s, on a separate sheet, of the design of the diffuser system                           |
| Document     |  |
|              | · · · · · · · · · · · · · · · · · · ·  |
|              |  |

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4.9 Is the discharge made to a roadside drain or ditch?

No

Yes If yes, it is your responsibility to ascertain whether the relevant highways authority is responsible for the roadside drain or ditch. If it is, you need to secure the appropriate permissions from the relevant highways authority before submitting an application for an environmental permit to the Environment Agency. A copy of the written permission from the relevant highways authority must be submitted with the environmental permit application.

Document reference for the written permission from the relevant highways authority

# Appendix 5 - Discharges to non-tidal river, stream or canal

Answer all the questions below. Use a separate line for each effluent if more than one effluent discharges using this discharge point. Remember, when linking your effluent to a discharge point you must use the name you gave to your effluent in answer to question 1b in the effluent form.

|  | scharge point a unique name         |   |  |  |
|--|-------------------------------------|---|--|--|
|  |                                     | me to identify the discharge point on the plan)   |  |  |
|  | tional grid reference of the discha |   |  |  |
|  | _                                   |   |  |  |
|  | me of the watercourse, canal or th  | ne main watercourse it is a tributary of if you know it   |  |  |
|  |                                     | , ,   |  |  |
| Is the disch   |                                     |   |  |  |
|  | dal river                           |   |  |  |
| Stream   |                                     |   |  |  |
| Canal  |                                     |   |  |  |
|  | scharge reach the watercourse or    | canal by flowing through a surface water sewer?   |  |  |
|  | _                                   | here the discharge enters the surface water sewer   |  |  |
|  |                                     |   |  |  |
| No   |                                     |   |  |  |
|  | atercourse dry up for part of the y | oar?  |  |  |
| No   | atercourse dry up for part of the y | zai:  |  |  |
|  | Jow many months nor year is the     | watercourse dry?  |  |  |
| 165  | How many months per year is the     | watercourse dry:  |  |  |
|  |                                     |   |  |  |
| Do you agree to install perforated pipe work before the discharge point?   |                                     |   |  |  |
| metres of th   | •                                   | I pipe. Any section of that pipe which lies within 10 perforated, but this perforated section shall not if any watercourse. |  |  |
| Yes  |                                     |   |  |  |
| No   |                                     |   |  |  |
| If the watercourse does dry up for part of the year can you indicate a typical period when the surfact water runs dry each year – start and finish (in months) |                                     |   |  |  |
| Watercours   | e typically becomes dry in:         |   |  |  |
| January  | May                                 | September   |  |  |
| February   | June                                | October   |  |  |
| March  | July                                | November  |  |  |
| April  | August                              | December  |  |  |

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| Watercourse typica | ally flows again in: |           |
|--------------------|----------------------|-----------|
| January            | May                  | September |
| February           | June                 | October   |

March July November April August December

5.6.2 If the watercourse does dry up for part of the year, how many metres downstream of the discharge is it before the discharged effluent soaks in?

| 5.7 | Is the   | discharge | made to a | roadside | drain or | ditch?  |
|-----|----------|-----------|-----------|----------|----------|---------|
| J•/ | יוו כווכ | uischarse | made to a | Todasiac | arani oi | uitcii. |

No

Yes If yes, it is your responsibility to ascertain whether the relevant highways authority is responsible for the roadside drain or ditch. If it is, you need to secure the appropriate permissions from the relevant highways authority before submitting an application for an environmental permit to the Environment Agency. A copy of the written permission from the relevant highways authority must be submitted with the environmental permit application.

Document reference for the written permission from the relevant highways authority

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# Appendix 6 - Discharges to a lake or pond

\_ metres

Answer all the questions below. Use a separate line for each effluent if more than one effluent discharges using this discharge point. Remember, when linking your effluent to a discharge point you must use the name you gave to your effluent in answer to question 1b in the effluent form.

| Give the discharge point a unique name  For example, 'Outlet 1' (you must use this name to identify the discharge point on the plan)   |   |  |  |  |
|--|---|--|--|--|
|  |   |  |  |  |
| Give the national grid reference of the discharge point  |   |  |  |  |
|  |   |  |  |  |
| 6.3 Give the name of the lake or pond if you know it   |   |  |  |  |
|  |   |  |  |  |
| Select from the following table the type of lake or pond you will be discharging to and answer the relevant questions  |   |  |  |  |
| Type of lake or pond Relevant questions  |   |  |  |  |
| or pond which is not connected to a river or watercourse   | Permit not required*  |  |  |  |
| or pond which is not connected to a river or watercourse, where ave had a notice served under paragraph 5 of Schedule 21 of the onmental Permitting (England and Wales) Regulations 2016 | 6.5, 6.6, 6.7   |  |  |  |
| or pond that discharges into a river or watercourse  | 6.5, 6.6, 6.7   |  |  |  |
| ss a Notice has been served under paragraph 5 of Schedule 21 of the Envi<br>nd and Wales) Regulations 2016   | ronmental Permitting  |  |  |  |
| What is the surface area of the lake or pond?  |   |  |  |  |
| square metres  |   |  |  |  |
| What is the maximum depth of the lake or pond?   |   |  |  |  |
| metres   |   |  |  |  |
| What is the average depth of the lake or pond?   |   |  |  |  |
|  | For example, 'Outlet 1' (you must use this name to identify the discharge  Give the national grid reference of the discharge point  Give the name of the lake or pond if you know it  Select from the following table the type of lake or pond you will be discharelevant questions  of lake or pond or pond which is not connected to a river or watercourse or pond which is not connected to a river or watercourse, where ave had a notice served under paragraph 5 of Schedule 21 of the commental Permitting (England and Wales) Regulations 2016  or pond that discharges into a river or watercourse  ss a Notice has been served under paragraph 5 of Schedule 21 of the Envind and Wales) Regulations 2016  What is the surface area of the lake or pond? |  |  |  |

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