**SuDS Asset Recording: Consultation**

**Questionnaire for Sewerage Undertakers**

As the implementation of SuDS becomes more widespread, it will be increasingly important that a complete and consistent record of SuDS assets exists in order that they and the sewerage system they connect to can be managed effectively in the long-term, whoever the owner. Sustainable drainage systems (SuDS) are currently being adopted by a range of different organisations. With the recent proposals in Sewers for Adoption 8 (which is due to be published in 2019) and the commitments already made in Sewers for Scotland 3 (2015), it is likely that sewerage undertakers will have an bigger role in their ownership in the future.

To facilitate the integration of SuDS assets with traditional manhole and pipe surface water drainage systems, Water UK is undertaking this project to help define:

* a standard approach to representing SuDS on sewer maps;
* a standard SuDS referencing system;
* the information that needs to be collected for SuDS assets;
* the standard data model required for information to be collected, stored and shared efficiently.

As part of this project, Water UK is undertaking this consultation with sewerage undertakers to establish:

1. What SuDS asset data recording is currently undertaken or proposed?
2. What SuDS asset referencing systems are currently used and/ or might be appropriate?
3. What approaches are currently used and/or might be appropriate for representing SuDS on sewer maps?
4. What sewerage undertaker needs are in relation to the collected data (i.e. what data should be collected);
5. What is likely to be the most effective approach for collecting this data; and,
6. Any challenges foreseen at this stage.

A **workshop** will take place on **13th November 2018** in **London** to discuss draft proposals, following review of the consultation responses. Please indicate at the end of the questionnaire whether you or a colleague would be interested in attending.

**Name:**

**Organisation:**

**Role:**

**Contact details: Email Phone number**

Please email the completed questionnaire to Bridget Woods Ballard at HR Wallingford b.woods-ballard@hrwallingford.com **before Friday 26th October**. Thank you.

1. **In what circumstances is information on SuDS provided to you as the sewerage undertaker and how is it recorded?**
2. Do you require information to be provided:
3. for SuDS assets you are adopting?
4. for SuDS assets that lie upstream of an adopted sewerage network that are owned by others?
5. for all SuDS assets that interface with the sewerage system?
6. In what format is the data provided / do you require the data in?

* As-built data and/or planning stage design information?
* Paper drawings (please state the format)?
* Digital drawings (please state the format)?
* Design reports?
* Drainage model (all model files / outputs only) ? Please state software used.
* Commissioning report?
* Operation and Maintenance Plan?
* Health and Safety File?
* Access and land ownership details?
* Manufactured components (including guarantees, product and manufacturer details)?
* Risk assessments?

Comments:

1. Who provides this information to you:

* The Local Planning Authority?
* The SuDS designer?
* The developer?
* Any other stakeholder?

1. At what point in the planning / construction / adoption approval process is this information transferred?
2. Where and how is this information stored by you?
3. Is this information shared with other stakeholders on request? How?

Comments:

1. **How are SuDS referenced on sewer maps and in any asset management system?**

Please describe existing SuDS referencing / naming conventions and/or your recommended approach:

Comments:

1. **How are SuDS represented on sewer maps?**

Please describe existing mapping approaches for showing SuDS as part of the sewerage system, or your suggested approach (if you do not currently show SuDS on sewer plans):

Comments:

1. **What data needs to be collected?**

A complete record of the design and construction details for a SuDS asset requires a wide range of data to be provided.

Please indicate how important you believe the following data would be to record for each SuDS asset in order that:

* the design functionality of each SuDS structure can be understood;
* complete systems can be modelled at a later date; and,
* effective long term management of adopted SuDS assets can be achieved:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Low | Medium | High | Comment |
| **SuDS Scheme** |  |  |  |  |
| SuDS component types |  |  |  |  |
| Design and construction organisations, dates, final drawings |  |  |  |  |
| Ownership organisation, date, adoption details |  |  |  |  |
| Location (mapped only or fully georeferenced system?\*) |  |  |  |  |
| Connectivity (links between components, upstream areas, downstream discharge points) |  |  |  |  |
| Contributing areas (mapped or georeferenced plan areas?\*, runoff characteristics) |  |  |  |  |
| Hydraulic design criteria (rainfall inputs, runoff factors, return periods, flow rates, runoff volumes, climate change / urban creep factors, infiltration rates, groundwater levels, manufactured system design assumptions etc) |  |  |  |  |
| Water quality design criteria (assumed land use type, assessment method, design provision) |  |  |  |  |
| Amenity criteria |  |  |  |  |
| Biodiversity criteria |  |  |  |  |
| Operation and management plan |  |  |  |  |
| Health and Safety File |  |  |  |  |
| **Individual SuDS components** |  |  |  |  |
| Dimensions (base levels, inlet/outlet elevations, areas, depths, lengths, diameters, gradients etc) |  |  |  |  |
| Spatial extents (mapped only or full 2D georeferenced polylines for base level /outlet level / full extent areas and exceedance flow routes, or full 3D system representation?\*) |  |  |  |  |
| Construction details (component drawings, materials, vegetation) |  |  |  |  |

(\*) please circle the most likely data format type

1. **The data sharing process**

How easy is it to secure appropriate information on SuDS assets prior to their adoption?

How easy is it to secure appropriate information on SuDS assets that lie upstream of adoptable drainage systems?

How valuable would you consider an on-line data entry tool that facilitated this process?

Comments:

1. **Foreseeable challenges and/or opportunities**

If you can identify any specific opportunities with respect to the efficient definition and recording of SuDS assets (and data sharing), please describe these here:

Comments:

If you can foresee any specific challenges with the process of SuDS asset definition and recording (and data sharing), please describe these here:

Comments:

1. **Workshop**

A **workshop** will take place on **13th November 2018** in **London** to discuss draft proposals, following review of the consultation responses. Please indicate whether you or a colleague would be interested in attending and we will send you further details.

Names and email addresses:

***Thank you for taking the time to share your views with us.***