**SuDS Asset Recording: Consultation**

**Questionnaire for Developers**

Surface water management assets (in particular sustainable drainage systems, or 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 increasing role in their ownership. They are keen to ensure that a complete and consistent record of SuDS assets exists in order that they can be managed effectively in the long-term, whoever the owner.

To facilitate the integration of SuDS assets with traditional manhole and pipe surface water drainage systems, Water UK (an industry body representing and working with the water and wastewater service providers across England, Scotland, Wales and Northern Ireland) 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;
* a 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 developers to establish:

1. What SuDS asset data recording is currently undertaken?
2. What stakeholder needs are in relation to the collected data (i.e. what data should be collected)?
3. What is likely to be the most effective approach for collecting this data?
4. Any challenges or opportunities 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. **How is the information on the final SuDS design defined and provided?**
2. Does the Local Planning Authority (LPA) or Lead Local Flood Authority (LLFA) request that final drainage designs (i.e. post discharge of planning conditions) and maintenance plans are submitted?
3. If yes, what form do they take?

|  |  |
| --- | --- |
|  | Please provide details |
| As-built paper drawings? |  |
| As-built electronic drawings (please state the format, e.g. pdf, dwf, other)? |  |
| Final design report / FRA / technical statement? |  |
| A drainage model (all model files or outputs only?) (please state software used). |  |
| Post construction verification statement? |  |
| Commissioning report? |  |
| Operation and Maintenance Plan? |  |
| Health and Safety File? |  |

1. If no, do you store this information yourself? How? In what form? For how long ?

Design:

Construction:

Maintenance:

1. **What data should or can be collected?**

A complete record of the design and construction details for a SuDS asset requires a suite of data to be provided. It is proposed that an agreed set of information on the final, as-constructed SuDS is required for submission to the LPA and future asset owner in a consistent format (e.g. using a standard data proforma).

Please comment on the proposed data fields set out in the following table.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Easy to provide (already defined) | Some work | Challenging to provide | Comment on importance |
| **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**
2. How are final SuDS design details shared with site construction managers ? If any design changes are made on site, how is this information recorded ?

1. Would you be happy to share an agreed set of information on the final, as-constructed SuDS design in a standard form (i.e. using a standard data proforma)?
2. How valuable would you consider an on-line data entry tool that facilitated this process?
3. **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:

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

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.***