Offering an iterative, comprehensive risk based approach to the management of sewer system assets

The Sewerage Rehabilitation Manual (SRM) has for over 25 years been a key document for planning upgrading work on sewer systems both in the UK and worldwide. It has been extensively revised, updated, extended and developed into the Sewerage Risk Management website.

The SRM website presents an iterative, comprehensive risk based approach to the management of sewer system assets compatible with EN752:2008 Drain and Sewer Systems Outside Buildings and the UKWIR Common Framework, and is able to take account of strategic drivers such as climate change adaptation and integrated urban drainage management.

The approach consists of a logical, 11 Step procedure to develop a Sewerage Management Plan (SMP) based on spatial units which can vary in size but still retaining the drainage area as an important fundamental unit for analysis and system management.

The risk based approach considers the likelihood of service failure effects together with all the potential consequences in an economic framework (benefits and costs). Advice and methods are included to facilitate the assessment of the likelihood of asset failure leading to the service failure effects, and consequence models identified.

Comprehensive advice on interventions to upgrade the sewer system to overcome existing and potential problems with the sewerage assets is given, particularly in relation to the design and use of currently available sewer renovation techniques.

There is a small introductory part of the website that is in the public domain but the majority is only available to interested parties who have purchased access.
Benefits

The Sewerage Risk Management website provides users with the following benefits:

1. Adopting and addressing as many of the regulators’ perceived needs, e.g. regarding sustainability, rolling timescales, involvement of all stakeholders, etc;
2. Focusing on and adopting risk based logic for decision making relating to all sewerage management financial and service decision making, i.e. balancing the risk of performance failure against the cost of intervention;
3. Developing and justifying prioritised lists for all key sewerage expenditure plans;
4. Having a Sewerage Management Plan (SMP) for suitably defined spatial units within an appropriate temporal horizon (typically up to 25 years in line with MD219) which will provide a business planning context for decisions and will involve all stakeholders;
5. Using procedures that can be readily adjusted/updated to reflect changing priorities (e.g. regarding new development or new regulation) without needing a fundamental change to the underpinning SRM logic;
6. Adopting web delivery means to enable the latest guidance to be readily available to all who need it (and have paid for access);
7. Retaining whatever is relevant from the previous WRC Sewerage Rehabilitation Manual but also leaving behind what is no longer thought relevant (e.g. Category A, B & C sewers);
8. Bringing out the new SRM guidance and associated tools in stages to fit with the PR09 and other planning timescales;
9. Recognising the significant interactions between different aspects of sewerage performance (including risk transference) and the major potential for optimising costs (value) by using interventions that address multiple aspects of performance need, i.e. the SRM Integrated Approach.

Advantages

- Performance assessment approach is more explicitly risk based;
- Risk based tools are provided for many of the important risks;
- Allows greater flexibility in the scale of analysis (not just drainage area);
- Hydraulic investigation updated to take account of latest technologies and the need for integrated Urban Drainage Management;
- Sewer condition grading updated to include the new codes in the Manual of Sewer Condition Classification 5th Edition (MSCC5).

Changes to the New Site

- A new look and feel
- Updates reflect new standards
- A new section on surface water management (SWM)
- For the first time, different access options to suit customers needs
- New pricing structure - no more annual subscriptions.

Access Options: Access to secure areas is only available upon purchase

- Home and about the SRM (free access area)
- Whole site
- Sewerage Management Planning & Sewer Renovation
- Surface Water Management

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Presenting an iterative, comprehensive risk based approach to the management of sewer system assets compatible with EN752:2008 Drain and Sewer Systems Outside Buildings and the UKWIR Common Framework.

**Access to Website**
- Access is via a one off charge per location, up until such time as the SRM website is updated, therefore no more annual subscriptions. It is controlled via secure IP address management software.

**WRc Internet Terms of Use apply (Copy Attached)**

**Access Options and Pricing**
There are a variety of access options available. **If you require multiple site or global access, please call us on +44 (0) 1793 865012 to find out about various money saving options that we can offer you.**

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