

**Review of Procedures for Operation and Maintenance of the Distribution Network
Approach to Mains Cleaning and the Procedures Employed
Checklist for Assessment**

Water Company:

SCOPE

The document is expected to cover the Company’s approach to mains cleaning and in particular the cleaning techniques employed and the procedures for cleaning mains of loose deposits by flushing, air scouring, swabbing etc and the steps taken by the Company to minimise the possibility of discolouration of supplies during and following the cleaning operations.

GENERAL

Does the Company have a documented approach for selecting mains cleaning techniques, applying these techniques, and procedures for minimising the possibility of discolouration of supplies as a result of the operations (Yes or No)?

If not, go straight to BBV Assessment of Company procedure at the end of the checklist

Company document title:

Company document reference

Date when the document came into force

AREAS FOR CLEANING

Does the Company have a system for identify those parts of the network that require mains cleaning treatment (Yes or No)?

If so, does the system rank the areas for treatment based on the severity of potential discolouration of supplies (Yes or No)?

Does the identification of the areas for treatment include the type of deposits likely to be present in the main e.g. tuberculation, corrosion, loose deposits, sediment (Yes or No)?

Add here any comments on the Company’s system for identifying areas for mains cleaning treatment.

CLEANING TECHNIQUES

Does the Company routinely employ the following mains cleaning techniques?

Air scouring	Yes or No	.
Swabbing	Yes or No	.
Hydrant flushing	Yes or No	.

If the Company uses other techniques, describe these below.

Describe below the basis used by the Company to select the mains cleaning technique appropriate to the area to be cleaned.

Air scouring

e.g. moderate to severe tuberculation

Swabbing

e.g. mains greater than 200 mm with mild tuberculation and loose deposits

Hydrant flushing

e.g. loose deposits and sediment in distribution mains

Other (specify)

MINIMISING THE DISCOLOURATION OF SUPPLIES

In planning the mains cleaning operation, does the Company assess the temporary rerouting of supplies, the potential increase in velocities, and the possible consequential risk of a discolouration of supplies (Yes or No)? .

If so, does the Company consider how these potential risks can be minimised (Yes or No)? .

During the mains cleaning operation, does the Company monitor through sampling or other means water quality in those areas where there is a risk of discolouration of supplies arising from the temporary rerouting of flows (Yes or No)? .

Following a cleaning operation, describe how the Company ensures that all the deposits have been removed from the mains before they are brought back into service.

Once the mains have been brought back into service following a cleaning operation, does the Company monitor through sampling or other means water quality in the area .

affected by the cleaning operation (Yes or No)?

BBV ASSESSMENT OF COMPANY APPROACH

Does the Company have a documented approach for selecting mains cleaning techniques, applying these techniques, and procedures for minimising the possibility of discolouration of supplies as a result of the operations (Yes or No)?

If not, the recommendation is that an approach should be drafted and the further assessment below is not required.

Areas for cleaning - Is the Company system for identifying areas of the network for cleaning considered satisfactory (Yes or No)?

If not, identify those areas where the system is considered deficient.

Cleaning techniques - Is the Company's approach to the selection of mains cleaning techniques considered satisfactory (Yes or No)?

If not, identify those areas where the approach is considered deficient.

Minimising the discolouration of supplies - Do the Company's procedures ensure that during and after mains cleaning the risk of discolouration of supplies is minimised (Yes or No)?

If not, identify those areas where the procedure is considered deficient.

BBV Quality Assurance

Checklist completed by Date

Checklist checked by Date