

**Review of Procedures for Operation and Maintenance of the Distribution Network
Policy for the Pre-emptive Flushing of Mains and its Implementation
Checklist for Assessment**

Water Company:

SCOPE

The policy is expected to deal with the pre-emptive flushing of mains to minimise the discolouration of supplies and the manner in which the policy is implemented.

GENERAL

Is there a documented policy for flushing mains (Yes or No)? .
If not, go straight to BBV Assessment of Company policy at the end of the checklist

Company document title:

Company document reference

Date when the document came into force

PRE PLANNING

Does the policy cover the pre planning of flushing programmes (Yes or No)?

If it does:

Does the policy include criteria for selecting areas for treatment (Yes or No)?

Do the selection criteria make use of current data on sampling, customer complaints, pipe inspections and other data (Yes or No)?

Does the policy include a requirement for network modelling or other means of assessing the impact of flushing (Yes or No)?

Does the policy limit the diameter of main above which flushing through fire hydrants is considered impractical (Yes or No)?

If so, what is the diameter limit? **mm**

Does the policy give guidance on the velocities to be achieved to raise sediment into suspension for removal by the discharge so that flushing locations can be selected (Yes or No)?

Does the policy give guidance on valving to concentrate flows and improve velocities (Yes or No)?

Does the policy give guidance on the need to arrange the flushing sequence to start at the head of the system and to avoid unnecessarily drawing sediment through the system (Yes or No)?

Does the policy include for the provision of new hydrants/washouts where necessary (Yes or No)?

Does the policy give guidance on the timing of the flushing operation (day or night) to minimise potential discolouration problems (Yes or No)?

Does the policy include the identification of consumers that would be affected by the flushing programme (Yes or No)?

NOTIFICATION

Does the policy require that consumers be informed of the planned flushing operations (Yes or No)?

Does this notification target consumers in the general area well in advance of the flushing operations (Yes or No)?

Does this notification target specific consumers immediately before the flushing operations (Yes or No)?

Does the notification pay particular attention to sensitive consumers and those with special needs (Yes or No)?

Does the policy require prior discussions with the local health authority and/or the environmental health department (Yes or No)?

Does the policy include advising Call Centre staff and the appropriate Company managers of the planned flushing operations (Yes or No)?

IMPLEMENTATION AND MONITORING

Does the policy include a written statement giving the timing and sequence of the flushing operations (Yes or No)?

Does the policy specify the duration that each hydrant should be flushed (Yes or No)?

If so, is this duration based on:

Flushing until the discharge becomes clear Yes or No

Flushing a multiple of the mains volume Yes or No

If yes, give multiple

Other, describe below

Does the policy include for sampling with the flushing operation (Yes or No)?

BBV ASSESSMENT OF COMPANY POLICY

Does the Company have a documented policy for the pre-emptive flushing of mains (Yes or No)?

If not, the recommendation is that such a policy should be drafted and the further assessment below is not required.

Pre planning - Is the Company policy for pre planning flushing operations considered satisfactory (Yes or No)?

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

Notification - Is the Company policy on the notification of flushing operations considered satisfactory (Yes or No)?

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

Implementation and monitoring - Is the Company policy for implementing and monitoring flushing operations considered satisfactory (Yes or No)?

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

BBV Quality Assurance

Checklist completed by Date

Checklist checked by Date