

Profiler Operator Specification Example

Deliverables (for each pipe inspection)

1. Completed CleanFlow record (as per local pipe inspection manual or as per council requirements if applicable)

2. DVD of inspections

Video capture format: avi, mpg1 or mpg2 (to be specified by council)

Folder format: Profiler\[Council Name]\Project\[Asset]\

Mpg file Naming:

[Asset Name]_CCTV.mpg (include header [see Header])

[Asset Name]_Profiling.mpg (include header)

[Asset Name]_calibration.mpg

e.g. C:\Profiler\WaterCo\MG-21A\200332\200332_CCTV.mpg

Important: Each asset folder must include all three mpg components (this provides Header details, CCTV inspection, Profiling inspection, calibration)

3. Video Backup (VHS or from video capture card) with all video components (Header details, CCTV inspection, Profiling Inspection, calibration)

VHS Naming convention: [Council Name], [Project Name], [Asset/s], Date

Recording Requirements

1. Header – Record for 5 seconds for each CCTV Inspection and each Profiling Inspection

Label	Input
Contractor	e.g. CareTech
Operator	e.g. Dan
Council Name	e.g. WaterCo
Project Name	Flexible Wall Study
Date	e.g. 25/01/06
Asset ID	As per CleanFlow e.g. 2003325081440
Upstream manhole number	200321
Downstream manhole number	200322
CCTV inspection direction	Upstream/downstream e.g. Upstream
Profiling direction	Upstream/downstream e.g. Downstream
Expected Pipe Diameter	As per Council records e.g. 150
Camera Head Make and serial number	Located on Head of Camera

2. CCTV Inspection video - **Lights on** (with Profiler attached). Record as per local pipe inspection manual or as per council requirements if applicable
3. Profiling CCTV video - **Lights off** – ensure profile is crisp and clear, in focus, camera centered (home)
4. Calibration using the same extender as per Profiling inspection (if required) – minimal light, focus and centre (home) camera. Record calibrator horizontal and then vertical for 5 seconds each.

Cleanliness of pipe: Pipe wall should be clean of greasy buildups, webs or rubble in the pipe. We suggest if more than 5% of the circumference is unclean for more than 5 meters, the pipe may require cleaning.

Water level: Must be minimal. Reduce flow to zero if possible at all times. Level must not exceed 1/3 (excluding major dips)

Profiling checks:

- Camera centre of pipe e.g in 300 pipe, camera head should sit at approx 150mm
- Correct extender used (see diagram) – ring should be 2/3 to 3/4 of vertical screen
- Camera head centered (home position)
- Ring crisp and clear and in focus. If ring appears fuzzy or excessive light exists (see ClearLine Profiler Handbook) contact Profiler distributor immediately.
- Distance counter:
 - Located bottom right – no other writing or text onscreen
 - **Distance counter should be set to location of the laser beam from the centre of the manhole. This is relevant for CCTV video also**
- Constant speed (approx 20m per minute) with camera and cable being **retrieved with uniform tension** to display correct distance.

Lens Distortion: Place chess grid in front of each camera used and record for 10 seconds. Ensure in focus and screen completely covered with grid. Perform once for each camera used.

This must be included to the dvd and at least one of the VHS backup tapes.