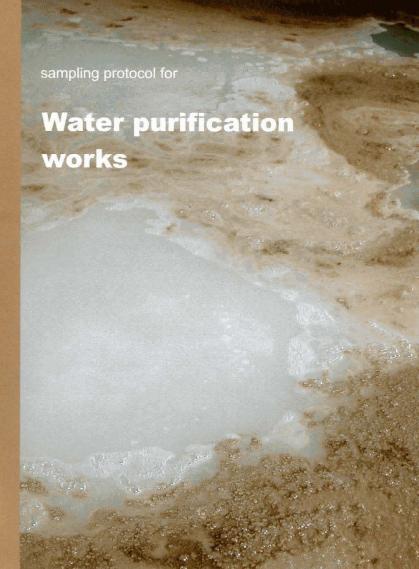
Water Resource Quality Monitoring

VOLUME 6





September 2004



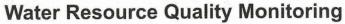
Water
Resource
Quality
Monitoring

VOLUME 6

sampling protocol for

Water purification works

Resource Quality Services
Department of Water Affairs



Volume 6: Water purification works

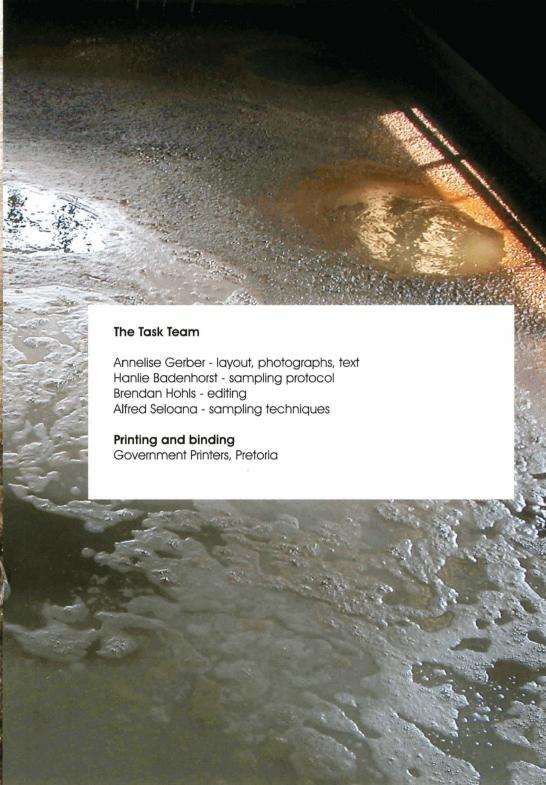
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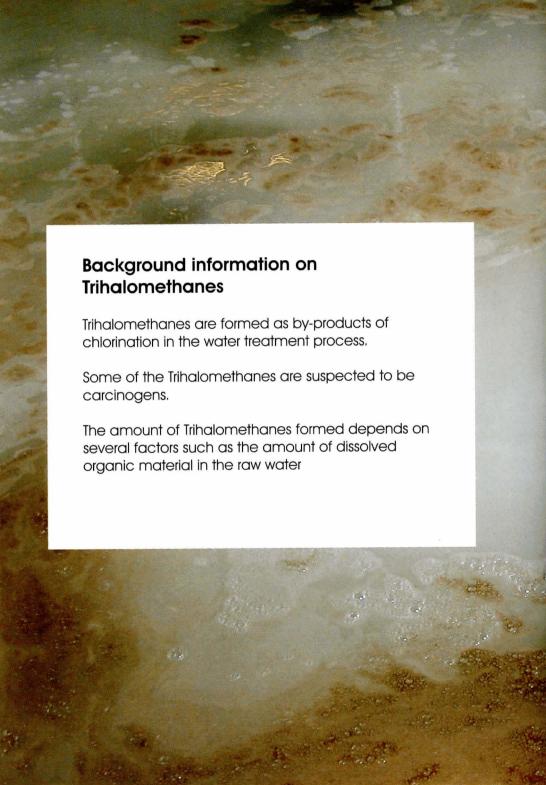
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WATER PURIFICATION WORKS

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1.0 THE SAMPLE BOTTLES

Each sampler will receive a cardboard box containing 4 glass bottles and tags



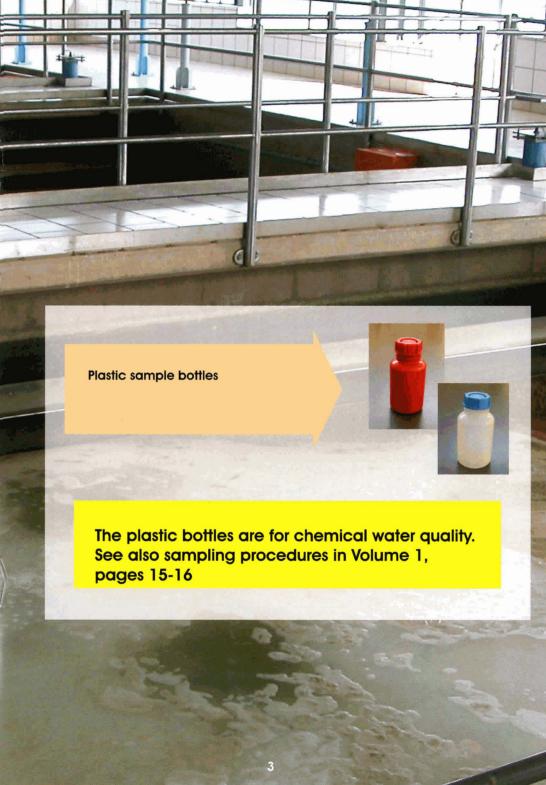
Three of the sample bottles are empty



NB!

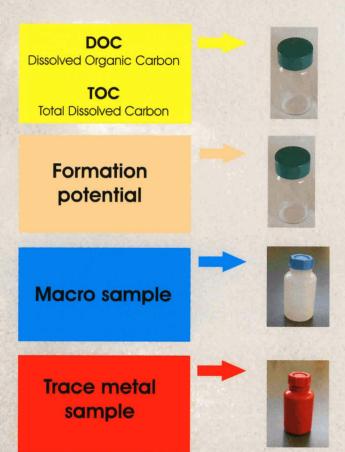
The fourth bottle contains 0.2 mg L-ascorbic acid crystals

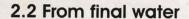




2.0 SAMPLES TO BE COLLECTED

2.1 From raw water





Formation potential





Instantaneous





Macro sample





Trace metal sample





3.0 SAMPLING PROCEDURE

Collect water from the raw water source.



Fill 2 bottles with raw water.



Use water flowing slowly and fill bottles until the meniscus is visible. Close lids carefully.



No air bubbles should be present in the sample. Hold bottle upside down to see whether the bottle is leaking. Top up and tighten the lid if necessary.



Fill the other two bottles with final water. Collect sample just after chlorination point.

Make sure not to lose any ascorbic acid from the "final- instantaneous" sample



Photograph B. Hohls

Make sure that bottles carry the correct tags as supplied by RQS



Place bottles back into original container and proceed to the post office as soon as possible



Samples should be dispatched immediately or as soon as possible. A courier service works best.

Until such time the samples can be stored in the refrigerator at 4° C

Do not store for more than 24 hours

