

**Guidelines
for the
HYDRAULIC DESIGN
of
Waste Stabilisation Ponds**

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Preface

While not intended to be a conclusive design manual, these guidelines represent a significant advance from the rough 'rules of thumb' and guesswork that engineers have had to rely on in the past when trying to improve pond hydraulics. However, we must stress that the need for engineering judgment is still required as it is impractical to provide a single set of criteria that covers all site variations.

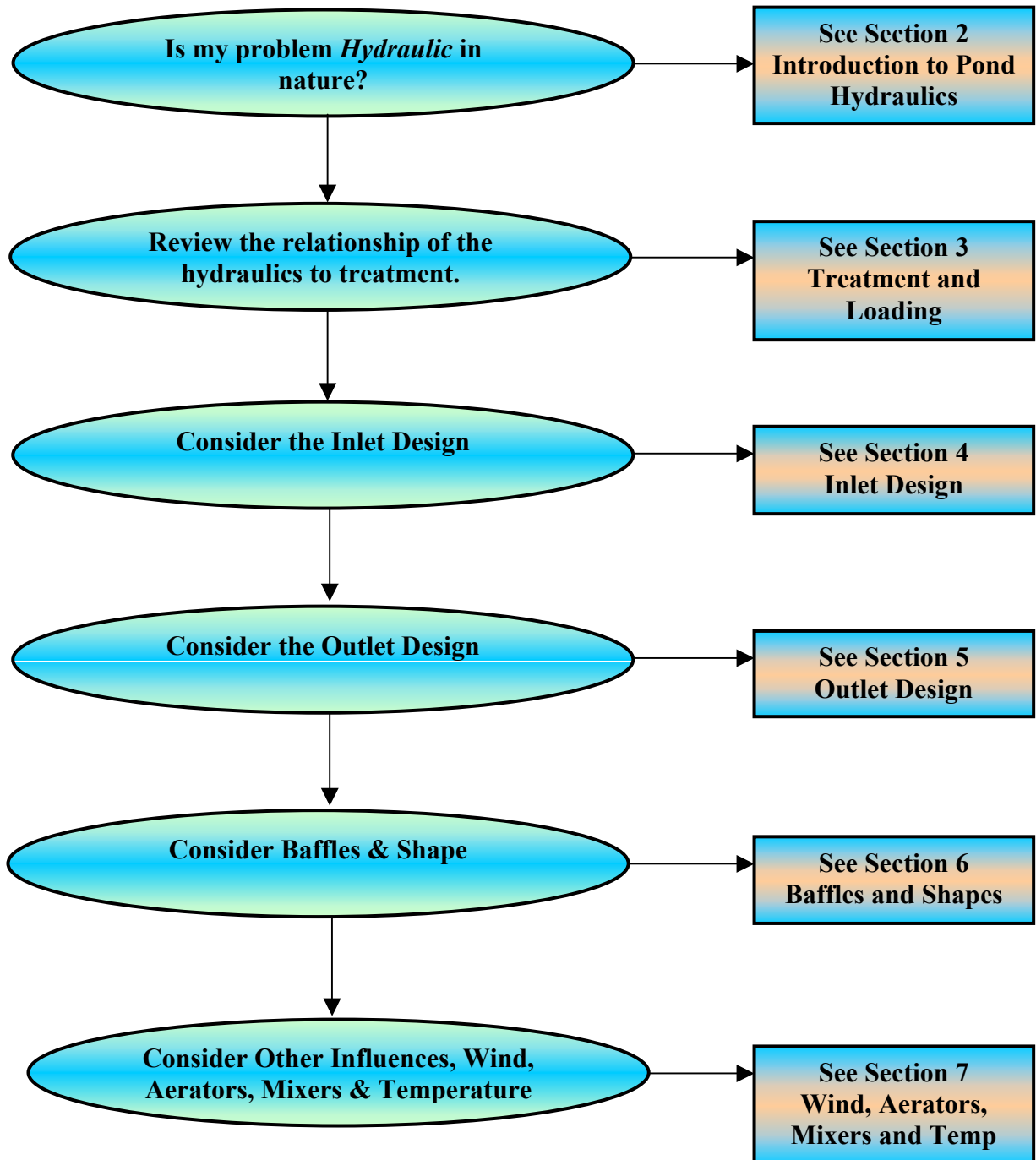
Through the peer review process we have been encouraged to make as many practical recommendations as possible. In the research supporting the development of these guidelines, we have tried to cover a broad range of areas but, of course, in any project resources are finite. There are certainly still many areas that deserve more work.

Given the above we do, however, believe that the review and research work undertaken for the development of this document and the ideas and guidance that has come from it, has certainly gone a long way to help fill the knowledge gap in the pond hydraulics area. We do trust that readers will find these guidelines to be user-friendly, informative and that they assist in the improved hydraulic design of waste stabilisation ponds.

Andy Shilton and Jill Harrison

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A Guide to Using the Guidelines



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