

TABLE OF CONTENTS

EXECUTIVE SUMMARY	Error! Bookmark not defined.
1. INTRODUCTION	Error! Bookmark not defined.
2. PROJECT OVERVIEW	Error! Bookmark not defined.
2.1 Project Aims	Error! Bookmark not defined.
2.2 Project Methodology	Error! Bookmark not defined.
3. LITERATURE REVIEW	Error! Bookmark not defined.
3.1 Existing Policy and Legislative Requirements	Error! Bookmark not defined.
3.2 Description of Typical Water System Infrastructure	Error! Bookmark not defined.
3.3 General Status of Water System Infrastructure Components	Error! Bookmark not defined.
3.4 Managing Water System Infrastructure	Error! Bookmark not defined.
3.5 Key Causes of Poor Performance of Water Supply Systems	Error! Bookmark not defined.
4. VULNERABILITY AND RISK ASSESSMENTS	Error! Bookmark not defined.
4.1 Definition.....	Error! Bookmark not defined.
4.2 Objectives of Vulnerability and Risk Assessments.....	Error! Bookmark not defined.
4.3 Existing Strategies to Manage Water System Vulnerability/Risks.....	Error! Bookmark not defined.
4.4 Vulnerability and Risk Assessments Approach	Error! Bookmark not defined.
4.5 Threats/Hazards to Water Services Infrastructure	Error! Bookmark not defined.
4.6 South Africa's main threats and challenges.....	Error! Bookmark not defined.
4.7 Determination of the Criticality of Risks and Corrective Actions to Reduce Risk to Water Systems.....	Error! Bookmark not defined.
4.8 Water Supply Systems Vulnerability and Risk Categories	Error! Bookmark not defined.
4.9 Vulnerability and Risk Assessment Tools and Software	Error! Bookmark not defined.
5. DEVELOPMENT OF SOFTWARE TOOLS	Error! Bookmark not defined.
5.1 Review of International Vulnerability/Risk Assessment Guidelines.....	Error! Bookmark not defined.
5.2 Review of International Vulnerability/Risk Assessment Software Tools.....	Error! Bookmark not defined.
5.3 Water Infrastructure Vulnerability Assessment Tool (waterVUL)	Error! Bookmark not defined.
5.4 Water Infrastructure Risk Assessment Tool (waterRISK).....	Error! Bookmark not defined.
6. APPLICATION OF SOFTWARE TOOLS	Error! Bookmark not defined.
6.1 Selection of Participating Water Service Institutions	Error! Bookmark not defined.
6.2 Methodology of Conducting Pilot	Error! Bookmark not defined.
6.3 Pilot Details	Error! Bookmark not defined.
6.4 Summary	Error! Bookmark not defined.
7. PROVINCIAL WORKSHOPS.....	Error! Bookmark not defined.
7.1 Methodology for conducting provincial workshops	Error! Bookmark not defined.
7.2 Provincial Workshops.....	Error! Bookmark not defined.
7.3 Northern Cape Provincial Water Sector Forum Meeting Feedback on the Detailed Vulnerability Assessment Tool.....	Error! Bookmark not defined.
7.4 Way Forward	Error! Bookmark not defined.
8. KEY FINDINGS	Error! Bookmark not defined.
8.1 Key Findings from the literature review.....	Error! Bookmark not defined.
8.2 Key findings on software tools	Error! Bookmark not defined.
8.3 Key findings from piloting the tools at selected WSAs	Error! Bookmark not defined.
8.4 Key findings from workshops at selected provincial forums	Error! Bookmark not defined.
8.5 Key findings from the sector.....	Error! Bookmark not defined.
9. CONCLUSIONS AND RECOMMENDATIONS	Error! Bookmark not defined.

REFERENCESError! Bookmark not defined.