

Post-Review Implementation Plan – Asset Management review 2020-2022

Audit Ref 2023	Improvement Condition	Issue	Recommendation	Action Plan	Person Responsible/ Implementation Date
1/2022		<ul style="list-style-type: none"> • Rating: B 2; • Process: Asset Planning; • Effectiveness criterion: Asset Management Plan covers key requirements; and <p><u>Details:</u></p> <p>The Asset Management Plan (AMP) adequately covers the twelve key requirements of HW’s ERA licence, together with associated licences /agreements with Department of Health (DOH), Department of Water and Environmental Regulation (DWER) and Customer Service Charter.</p> <p>The AMP is presented as a draft document dated 18th June 2022 on the heading sheet but dated 15th April on the page footers.</p> <ul style="list-style-type: none"> • Page 5 of the AMP refers to Audit Review Guidelines dated August 2019 instead of the present Guidelines dated August 2022. • The AMP includes Appendix A – Emergency Management Plan dated 15th June 2022 which applies to both HW’s field operations and the office administration. Detailed comment on Appendix A is provided below in Item No.9 - Contingency Planning. • The initial thirty-three pages of Appendix A - Emergency Management Plan, repeat the headings and text of the main body of the 	<p>Recommendation No. 1 - 2022</p> <p>That the AMP should be carefully edited to address the following matters:</p> <ul style="list-style-type: none"> • Correct issue date of the ERA Asset Management Guidelines. • Remove the duplication of AMP text in the initial thirty-three pages of “Appendix A - Emergency Management Plan”, • Clarify appendices listed in the table of contents of Appendix A • Ensure that stand alone documents are included in or reference within the AMP • Remove large gaps in text in the AMP and present as a final, rather than draft document. 	<p>Apply the recommendations and review the future editions.</p>	<p>Ops Mgr (SC)</p> <p>October 2023</p>

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		<p>AMP. Reviewer considers this repetition superfluous and should be corrected.</p> <ul style="list-style-type: none"> • The Emergency Management Plan table of contents refers to Appendices D and E. • There appears to be no Appendix B or C in the documentation. • The AMP document has many large gaps in the body of the text. These should be deleted to render the document more compact. 			
2/2022		<p>Rating: Not Applicable Process: Asset Planning Effectiveness criterion: Not Applicable <u>Details:</u> Asset Management Plan covers key requirements. The AMP does not address the assets associated with the Water Treatment Plant at the Kemerton Strategic Industrial Area, or the brine outfall from the RO plant to the ocean. Reviewer was advised that a decision on the ultimate ownership of these assets is pending. Inclusion of these assets in the existing or, a separate AMP is therefore also pending.</p>	<ul style="list-style-type: none"> • That asset management documentation for the Albermarle Lithium water supply Treatment Plant and Saline Waste ocean outfall be prepared as a stand-alone document or included in the AMP as soon as possible. 	<p>As the immediate warranty agreement comes to an end Harvey Water will review the ongoing service provision from MAK Water.</p> <p>The WTP is in the AMS and all jobs will be reported through the AMS (web based program)</p>	<p>Tech Services Mgr November 2023</p> <p>WTP Ops Mgr November 2023</p>

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3-2022		<p>Rating: C 2: Process: Contingency Planning Effectiveness criterion: Contingency plans are documented, understood and tested to confirm their operability and to cover higher risks.</p> <p><u>Details:</u> Observations: The text of Contingency Planning in the AMP is not relevant as it is brief and addresses mainly activities undertaken by HW that mitigate against a contingency occurring. Also, Sub-headings related to channels and pipelines have no textual content.</p> <p>On the other hand, Appendix A – “Emergency Management Plan” of the AMP is a fully developed contingency plan which addresses:</p> <ul style="list-style-type: none"> • The role and responsibility of the CEO, On-Scene Coordinator and HW employees. • The response, Critical Incident team and Emergency Resources. • Detailed approach to emergencies associated with Fire, Flood, Injury, Vehicles, Chemical spill, Fall from height, Electric Shock/ Lightning, Muster Points and Evacuation • Names and contact details of primary and secondary HW staff for operations, health 	<p>That text related to Contingency planning in the AMP should be replaced with a reference to Appendix A - “Emergency Management Plan.”</p> <p>That recommendation No. R10 of the 2016 review and 12 /2020 of the previous 2019 review regarding conduct of in-house workshops be implemented.</p>	<p>Review and merge the documents; Harvey Water notes however that it is important that the AMP remains a “live” working document focussed primarily on asset management, maintenance, and investment.</p>	<p>Stephen Cook: Merge the documents Completed September 2023</p>

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		<p>& safety, first aid and fire warden, together with Harvey Medical Group, Hospital, DEFS, Ambulance and Police.</p> <p>Reviewer considers that text related to Contingency planning in the AMP should be replaced with a reference to Appendix A - "Emergency Management Plan."</p> <ul style="list-style-type: none"> • Reviewer noted that Recommendation No R10 of the 2016 review and 12 /2020 of the previous 2019 review regarding conduct of in-house workshops have not been fully implemented 			
4-2022		<p>Process: Contingency Planning Details (From recommendation No.12/2020 of the 2019 Asset Management Review – Not Implemented)</p> <p><u>Relevant Observations</u></p> <p>Staff in the field have a sound knowledge of the system - due to their involvement on a daily basis in its operation and Maintenance. HW should conduct in-house workshops at which field staff discuss and define the implications, reporting and actions required to manage and minimize the effects of asset malfunction or failure scenarios. The scenarios should be prepared by the Works Manager who should facilitate, rather than lead the discussions.</p>	<p>That HW conducts in-house workshops at which field staff discuss and define the implications, reporting and actions required to manage and minimize the effects a proposed asset malfunction or failure scenarios. The scenarios should be prepared by the Works Manager who should facilitate, rather than lead the discussions.</p> <p>Participants should be encouraged to consider implications such as cost, damage, time intervals, access, delays etc. Minutes of</p>	<p>Harvey Water will ensure that the scenario risk workshops are clearly documented and retained for audit.</p> <p>Scenario planning and workshop actions have been ongoing although the Water Corp led workshops were postponed during the pandemic.</p>	<p>Works Mgr (TW) November 2023</p> <p>WHSE Compliance Officer - Cameron Norris:</p> <p>19-04-2023 Water Corp scenario workshop completed</p> <p>26-04-2023 potable water incident scenario completed at the WTP</p> <p>November & December 2023 Ops scenario: Pipe burst Channel collapse</p>

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		<p>Participants should be encouraged to consider implications such as cost, damage, time intervals, access, delays etc. Minutes of proceedings should be prepared and distributed to participants. Existing procedures should be amended if considered necessary. It is suggested that workshops be conducted twice yearly, each considering a major and one minor scenario.</p>	<p>proceedings should be prepared and distributed to participants. Existing procedures should be amended if considered necessary. Workshops should be conducted twice yearly, each considering a major and one minor scenario.</p> <ul style="list-style-type: none"> • That in-house workshops include selected scenarios of Recommendation R10 of the 2016 Review e.g. dam outage/ shutdown, pipe burst etc. 		