



## RIA Asset Management System Review - Post review implementation plan – November 2024

Recommendation reference	Process and policy deficiency / Performance deficiency	Auditor's recommendation	Action proposed to be taken by the licensee	Responsible	Target completion date
1/2024  C3	<p><b>Asset Planning (Asset Processes)</b> <i>Criteria 1.1 - Asset management plan covers the processes in this table.</i></p> <p>For the water and wastewater assets, Asset Management Plans have been prepared and reference the SAMP as providing the overarching approach to managing the assets. The Asset Management Plans are:</p> <ul style="list-style-type: none"> <li>• Drinking &amp; Fire Water Infrastructure (DFW) Asset Management Plan 2021/22, and</li> <li>• Waste Recycled Water Infrastructure (WRW) Asset Management Plan 2021/22.</li> </ul> <p>The Drainage Infrastructure (DI) Asset Management Plan has been prepared. However, this a draft document that need still needs to be finalised.</p> <p>The DFW and WRW Asset Management Plans were developed in 2021/22 and have not been reviewed or updated in accordance with the stated review frequency of yearly.</p> <p>The DI Asset Management Plan (draft) is to be reviewed in annual budgets and issue of every Rottnest Island Management Plan, or if other major changes occur.</p>	<p>a) The draft Drainage Infrastructure (DI) Asset Management Plan (August 2024) should be completed and approved.</p> <p>b) The Drinking &amp; Fire Water Infrastructure (DFW) Asset Management Plan 2021/22 should be revised and updated using the new DI Asset Management Plan format, including service levels and lifecycle costings.</p> <p>c) The Waste Recycled Water Infrastructure (WRW) Asset Management Plan 2021/22 should be revised and updated using the new DI Asset Management Plan format, including service levels and lifecycle costings.</p>	<p>a) RIA will update the Drainage Infrastructure (DI) Asset Management Plan.</p> <p>b) RIA will update The Drinking &amp; Fire Water Infrastructure (DFW) Asset Management Plan using the new DI Asset Management Plan format, including service levels and lifecycle costings.</p> <p>c) RIA will update The Waste Recycled Water Infrastructure (WRW) Asset Management Plan using the new DI Asset Management Plan format, including service levels and lifecycle costings.</p>	Director Infrastructure	<p>a) Completed December 2024</p> <p>b) June 2025</p> <p>c) June 2025</p>



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<p><b>2/2024</b></p> <p><b>B3</b></p>	<p><b>Asset Planning (Service Levels)</b>  <i>Criteria 1.3 – Service levels are defined in the asset management plan.</i>            Levels of Service are listed in section 2.4.1 of the DFW and WRW Asset Management Plans and section 3.1 of the DI Asset Management Plan.            Actual Performance and Target Performance still need to be defined for some of the Level of Service measures in the DFW and WRW Asset Management Plans. The DFW Asset Management Plan only includes general customer and technical service levels. The specific service objectives, performance measures and target levels are not stated. The WRW includes tables of specific customer and technical service objectives, performance measures and target levels with the exception of 4 of the 13 service targets are "To be Determined" including planned maintenance, asset failures and preventative versus corrective maintenance ratio.            Some of the service levels listed are compliance requirements (e.g. water quality to meet DOH requirements and treated wastewater quality to Environmental Licence requirements).            Service levels are provided for the drainage service.</p>	<p>a) The DFW Asset Management Plan should be updated to include the specific service objectives, performance measures and target levels for the customer and technical service levels.</p> <p>b) The WRW Asset Management Plan should be updated to include the service targets for all customer and technical service levels.</p>	<p>a) RIA will update the DFW Asset Management Plan to include the specific service objectives, performance measures and target levels for the customer and technical service levels.</p> <p>b) RIA will update the WRW Asset Management Plan to include the service targets for all customer and technical service levels.</p>	<p>Director Infrastructure</p>	<p>a) June 2025</p> <p>b) June 2025</p>
<p><b>3/2024</b></p> <p><b>B3</b></p>	<p><b>Asset Planning (Lifecycle Costs)</b>  <i>Criteria 1.5 - Lifecycle costs of owning and operating assets are assessed</i></p>	<p>Based on the condition assessment work completed, a forecast of the long-term funding required for asset maintenance and replacement</p>	<p>As part of the Asset Management reporting Life cycle cost will be developed for the infrastructure assets. That will include for the</p>	<p>Director Infrastructure</p>	<p>June 2025</p>



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	<p>The need for the RIA to develop lifecycle costing models has been observed in the past two Asset Management System Reviews. Completion of condition assessments is required so that the remaining asset lives can be estimated and included in an asset register. The lifecycle costing should then be developed to provide a forecast of the long-term funding required for the asset maintenance and replacement needed to continue to provide the water, wastewater and drainage services.</p> <p>Lifecycle costs are considered in planning any upgrades or replacement of assets, as evidenced in the Business Case for the Wastewater Infrastructure upgrade (9 January 2023).</p> <p>Improvements have been made as demonstrated by the condition assessments completed for major infrastructure (the RO treatment plant and main wastewater pump station) and by the up to date condition assessment information contained in the asset register within Maximo. However, a consolidated long-term forecast of the funding required for asset maintenance and replacement is not yet contained in the Asset Management Plans.</p> <p>Section 4.4 Remaining Useful Life in the DI Asset Management Plan includes an assessment of the lifecycle of major assets, and this is used to determine the annual maintenance costs and future capital replacement timing. The DFW and</p>	<p>needs to be prepared for the asset maintenance and replacement needed to continue to provide the water and wastewater services. The DWF and WRW Asset Management Plans need to be updated with this assessment.</p>	<p>assets replacement as well as maintenance cost to achieve required level of service. That will inform long – term budgeting and forecasting. The DWF and WRW Asset Management Plans will be updated with this assessment.</p>		



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	WRW Asset Management Plans do not include a specific section on "Remaining Useful Life" with asset life forecasts, costings and replacement options.				
4/2024  B3	<p><b>Asset Planning (Asset Failure)</b> <i>Criteria 1.8 - Likelihood and consequences of asset failure are predicted.</i></p> <p>Section 4.1.4 of the DFW and WRW Asset Management Plans discuss asset criticality and risk of failure. A table of water treatment and wastewater treatment assets assessed as critical is included.</p> <p>Section 4.5 – Asset Risks of the DI Asset Management Plan considers the likelihood and consequences of failure. In the development of the AMP, a workshop was performed in June 2024 to identify and assess risks relevant to the management of drainage assets.</p> <p>Demonstration of Maximo showed completion of recent condition assessments and asset risk ratings. Update of the DFW and WRW Asset Management Plans should explain the process for reviewing asset risks following condition assessments.</p>	Updates of the DFW and WRW Asset Management Plans should explain the process for reviewing asset risks following condition assessments.	RIA will include the process for reviewing asset risks. Asset risk assessment will be informed by the condition assessments, and it will be included in DFW and WRW plans.	Director Infrastructure	June 2025
5/2024  B3	<p><b>Asset Planning (Review)</b> <i>Criteria 1.9 - Asset management plan is regularly reviewed and updated.</i></p> <p><b>Review of Asset Management System</b> <i>Criteria 12.1 - A review process is in place to ensure that the asset</i></p>	All Asset Management Plans should be reviewed and updated yearly as stated in the Asset Management Plans.	The Asset Management Plan will be scheduled for review as an annual occurrence in November and with each issue of the Rottneest Island Management Plan, or when other major changes occur.	Director Infrastructure	November annually



# ROTTNEST ISLAND AUTHORITY

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	<p><i>management plan and the asset management system described in it remain current.</i></p> <p>The Drinking &amp; Fire Water Infrastructure (DFW) Asset Management Plan and Waste Recycled Water Infrastructure (WRW) Asset Management Plan were developed in 2021/22 and have not been reviewed or updated in accordance with the stated review frequency of yearly.</p> <p>The Drainage Infrastructure (DI) Asset Management Plan is to be reviewed in annual budgets and issue of every Rottnest Island Management Plan, or if other major changes occur. The draft Plan has not yet been finalised for further review.</p>				