**VDH – ODW Waterworks Asset Management Plan Checklist**

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| --- | --- |
| **Waterworks:**   | **PWSID#:**   |
| **Reviewed By:**   | **Review Date:**   |
| **AMP Date:** | **Required Items in AMP?** | Yes [ ]  No [ ]  |
| **Comments:** |
| **Inventory of existing assets/infrastructure:** | **Required?** | **Included in AMP** |
| Sources [1]  | ✓ | Yes [ ]  No [ ]  N/A [ ]  |
| Water treatment plant [1]  | ✓ | Yes [ ]  No [ ]  N/A [ ]  |
| Storage [1]  | ✓ | Yes [ ]  No [ ]  N/A [ ]  |
| Distribution pipes  | ✓ | Yes [ ]  No [ ]  N/A [ ]  |
| Fleet/Heavy equipment  | ✓ | Yes [ ]  No [ ]  N/A [ ]  |
| Pumps/pump stations [1] | ✓ | Yes [ ]  No [ ]  N/A [ ]  |
| Distribution equipment (hydrants, valves, ARVs, BOVs, zone meters, etc.) | ✓ | Yes [ ]  No [ ]  N/A [ ]  |
| Distribution – customer meters | ✓ | Yes [ ]  No [ ]  N/A [ ]  |
| Other buildings/property |  | Yes [ ]  No [ ]  N/A [ ]  |
| Miscellaneous tools/Shop equipment  |  | Yes [ ]  No [ ]  N/A [ ]  |
| **Inventory includes:** |
| Description of asset (including model # and serial # if known) | ✓ | Yes [ ]  No [ ]  |
| Geographical location or mapped representation of location of asset  | ✓ | Yes [ ]  No [ ]  |
| Material type | ✓ | Yes [ ]  No [ ]  |
| Year installed/purchased or approximate age of asset | ✓ | Yes [ ]  No [ ]  |
| Estimated useful life of infrastructure/equipment in years | ✓ | Yes [ ]  No [ ]  |
| Remaining life of asset in years | ✓ | Yes [ ]  No [ ]  |
| Condition of asset (Rank 1-4, 4 is the worst condition) [2] | ✓ | Yes [ ]  No [ ]  |
| Criticality of asset - (Rank 1-4, 4 is most critical) [3] | ✓ | Yes [ ]  No [ ]  |
| Quantity (linear feet of pipe, number of water meters, etc.) | ✓ | Yes [ ]  No [ ]  |
| Replacement cost (unit price including installation and construction expenses) | ✓ | Yes [ ]  No [ ]  |
| Total replacement cost | ✓ | Yes [ ]  No [ ]  |
| **Project Priorities based on the AMP** |
| Project list | ✓ | Yes [ ]  No [ ]  |
| Priority of project or year the project is needed | ✓ | Yes [ ]  No [ ]  |
| Cost of project (Estimate based on the asset management plan) | ✓ | Yes [ ]  No [ ]  |
| **Other:** |
| Preventative Maintenance addressed by asset management plan? [4] | ✓ | Yes [ ]  No [ ]  |
| Level of Service addressed by asset management plan? | ✓ | Yes [ ]  No [ ]  |

*[1] Include all major assets at these facilities, such as but not limited to: each treatment component, lab equipment, chemical feed systems, pumps, tanks, generators, SCADA/telemetry, computer systems, replacement inventory, etc.*

*[2] Identification of Condition 4 assets, which are the assets in the worst condition, is required. Identification of Condition 1-3 assets is optional.*

*[3] “****Critical Assets****” are those assets most susceptible to failure, whose failure will result in significant downtime and loss/interruption of service. The scale recommended includes a rank of 1-4, with a rank of 4 being the highest risk and greatest consequence of failure and a rank of 1 being the least. Identification of Criticality 4 assets with is required. Identification of Criticality 1-3 assets is optional.*

*[4] Suggested reference: EPA Preventative maintenance logs from* [*https://www.epa.gov/dwcapacity/electronic-preventive-maintenance-logs*](https://www.epa.gov/dwcapacity/electronic-preventive-maintenance-logs)*.*