

## Implementation Plan

### A. Monitoring, Data Collection, and Assessment

| Description  | Objective | Priority | Cost       | Responsible Party and Cooperators | Implementation Time Frame                                   |      |      |      |      |      |      |      |      |      |
|--|-----------|----------|------------|-----------------------------------|---|------|------|------|------|------|------|------|------|------|
|  |           |          |            |                                   | 2025  | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 |
| <b><i>Groundwater Quality &amp; Quantity Monitoring</i></b><br><u>WHP Measure #A1</u><br>The city will contact the MDH Hydrologist to conduct water quality monitoring for city wells during year 6. MDH to provide sampling and analysis costs. Information will be used to refine the vulnerability assessment update. | 1, 4      | H        | Staff Time | Maple Plain<br>MDH                |   |      |      |      |      | X    |      |      |      |      |
| <b><i>Public Water Supply Well</i></b><br><u>WHP Measure #A2</u><br>If the city determines a new well is necessary and/or feasible, pending available funding and resources, they will work with MDH Hydro to determine a suitable site.   | 1, 4      | L        | TBD        | Maple Plain<br>MDH Hydrologist    | <div> <div>←</div> <div>If Needed</div> <div>→</div> </div> |      |      |      |      |      |      |      |      |      |
| <b><i>High-Capacity Wells</i></b><br><u>WHP Measure #A3</u><br>Coordinate with MDH and MNDNR to identify any new high-capacity wells within 1-mile of the DWSMA or 2-miles of the city limits.   | 1, 4      | M        | Staff Time | Maple Plain<br>MDH<br>MNDNR       | <div> <div>←</div> <div>Ongoing</div> <div>→</div> </div>   |      |      |      |      |      |      |      |      |      |

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|  |           |          |            |                                   | 2025                      | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 |
| <b><i>Aquifer Testing</i></b><br><u>WHP Measure #A4</u><br>Coordinate with MDH and MNDNR to monitor water levels in the production wells to identify trends in the aquifer(s) or wells that may indicate long-term drawdown or well screen cleaning. | 1, 4      | M        | TBD        | Maple Plain<br>MDH<br>MNDNR       |                           |      |      |      |      |      |      |      |      |      |
| <b><i>Well Inventory and Prioritization</i></b><br><u>WHP Measure #A5</u><br>Update the PCSI as needed. Review the status of existing wells and add new wells identified within one mile of the DWSMA.   | 1         | H        | Staff Time | Maple Plain<br>MDH                |                           |      |      |      |      |      |      |      |      |      |
| <u>WHP Measure #A6</u><br>The city will coordinate with landowners and MDH to verify the location of wells within one-mile of the DWSMA or two-miles of the city limits.   | 1, 2, 4   | L        | TBD        | Maple Plain<br>MDH<br>Landowners  |                           |      |      |      |      |      |      |      |      |      |

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## **B. Well and Contaminant Source Management**


| Description   | Objective | Priority | Cost             | Responsible Party and Cooperators     | Implementation Time Frame |      |      |      |      |      |      |      |      |      |
|---|-----------|----------|------------------|---------------------------------------|---------------------------|------|------|------|------|------|------|------|------|------|
|   |           |          |                  |                                       | 2025                      | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 |
| <b><i>Well Management</i></b><br><b><u>WHP Measure #B1</u></b><br>Coordinate with MDH to identify and seal any unused or unsealed wells.                                    | 1, 4      | H        | TBD / Staff Time | Maple Plain<br>MDH<br>Hennepin County |                           |      |      |      |      |      |      |      |      |      |
| <b><u>WHP Measure #B2</u></b><br>If a well is discovered of unknown depth or ≥270-feet deep, apply for MDH Grant or use county or city well management funds to seal wells. | 1,4       | M        | TBD / Staff Time | Maple Plain<br>MDH<br>Hennepin County |                           |      |      |      |      |      |      |      |      |      |
| <b><i>IWMZ</i></b><br><b><u>WHP Measure #B3</u></b><br>Contact MDH to update the IWMZ inventory for all system wells in either Year 6 or Year 7.                            | 1, 4      | M        | Staff Time       | Maple Plain<br>MDH                    |                           |      |      |      |      | X    | X    |      |      |      |
| <b><u>WHP Measure #B4</u></b><br>Monitor setbacks for new potential contaminant sources within the IWMZ.  | 1, 5      | H        | Staff Time       | Maple Plain                           |                           |      |      |      |      |      |      |      |      |      |

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|---|-----------|----------|------------|--|---------------------------|------|------|------|------|------|------|------|------|------|
|   |           |          |            |  | 2025                      | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 |
| <u>WHP Measure #B5</u><br>Ensure emergency response procedures are updated, especially for potential issues within the IWMZ. Focus should be on transportation corridors (highway and railroad).                                    | 1, 4      | H        | Staff Time | Maple Plain<br>Emergency Response Agencies |                           |      | X    |      |      | X    |      |      | X    |      |
| <b><i>Class V Wells</i></b><br><u>WHP Measure #B6</u><br>Notify MDH if a Class V Well is identified.  | 1, 4      | L        | Staff Time | Maple Plain<br>EPA<br>MDH                  |                           |      |      |      |      |      |      |      |      |      |
| <b><i>Physical and Cybersecurity</i></b><br><u>WHP Measure #B7</u><br>Identify areas and opportunities to improve both physical and cybersecurity measures to protect the city's public water supply wells and distribution system. | 1         | M        | TBD        | Maple Plain<br>MDH<br>Hennepin County      |                           |      |      |      |      |      |      |      |      |      |

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### C. Stakeholder Education and Outreach

| Description   | Objective | Priority | Cost       | Responsible Party and Cooperators                        | Implementation Time Frame   |      |      |      |      |      |      |      |      |      |
|---|-----------|----------|------------|--|---|------|------|------|------|------|------|------|------|------|
|   |           |          |            |  | 2025  | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 |
| <b><i>Stakeholder Education</i></b><br><u>WHP Measure #C1</u><br>Develop WHP webpage on the city website with regular updates. Use social media and other public outreach resources to update the public on well management, unused wells, water conservation practices, and well sealing information. Link to information on MRWA and/or MDH websites. | 2, 3      | M        | Staff Time | Maple Plain<br>MDH<br>Hennepin County<br>PSWMC<br>SFCRWD | X   | X    | X    | X    | X    | X    | X    | X    | X    | X    |
| <u>WHP Measure #C2</u><br>Provide well management and well sealing information at city hall and through utility invoices. Request MDH brochures or links to websites with updated information.  | 2, 4      | M        | Staff Time | Maple Plain<br>MDH                                       | X   |      |      | X    |      |      | X    |      |      | X    |
| <b><i>Water Conservation Measures</i></b><br><u>WHP Measure #C3</u><br>Identify and implement water conservation best management practices for city operations, residents, and area businesses.   | 2, 3      | L        | Staff Time | Maple Plain<br>PSWMC                                     |  Ongoing |      |      |      |      |      |      |      |      |      |

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|  |           |          |            |                                   | 2025                      | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 |
| <b><i>Administrative Controls</i></b>  |           |          |            |                                   |                           |      |      |      |      |      |      |      |      |      |
| <u>WHP Measure #C4</u>   |           |          |            |                                   |                           |      |      |      |      |      |      |      |      |      |
| Apply for MDH funding to assess and update local ordinances and plans with well-management language for protecting the city’s drinking water supply aquifer. | 2, 4      | M        | Staff Time | Maple Plain MDH                   | X                         |      |      |      | X    |      |      |      | X    |      |

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#### **D. WHP Coordination, Reporting and Evaluation:**

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