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# CITY OF TONKA BAY ITEM NO. 7A

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Minneapolis, MN 55416  
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September 15, 2014

Mr. Joe Kohlmann  
City of Tonka Bay  
4901 Manitou Road  
Tonka Bay, MN 55331

Re: Request for Acceptance and Distribution of the Wellhead Protect Plan Part 2  
WSB Project No. 01987-240

Dear Mr. Kohlmann:

WSB & Associates, Inc. has completed Part 2 of the Wellhead Protection Plan and is requesting City Council acceptance and authorization to submit the Plan to the Minnesota Department of Health (MDH) for final review and approval.

### **Summary**

The preparation of the City's Wellhead Protection Plan (WHPP) is a requirement of Minnesota Rules 4720.5100 to 4720.5590. The goal of the Plan is to prevent human-caused contaminants from entering the water supply wells and to protect all who use the water supply from adverse health effects associated with groundwater contamination. These Plans (Part 1 and Part 2) fall under the jurisdiction of the Minnesota Department of Health and consist of two parts.

### Part 1

Part 1 of Tonka Bay's Wellhead Protection Plan was approved by MDH in June 2011. Part 1 is a technical exercise that uses ground water modeling to delineate the wellhead protection area (WHPA), Drinking Water Source Management Area (DWSMA) and includes a well and aquifer vulnerability assessment. Part 1 addresses the two municipal water supply wells used by the City (Wells No. 1 and 2) and the associated source water aquifer (the Jordan-the aquifer from which the municipal wells pump water).

### Part 2

Part 2 of the Wellhead Protection Plan describes how the results of the Part 1 can be applied to best protect a community's water supply. The scope of Part 2 included:

- A review of data elements of potential contaminant sources within the DWSMA;
- Review of changes, issues, problems, and opportunities related to the public water supply and the identified potential contaminant sources;
- A discussion of potential contaminant source management strategies and the goals, objectives, and action plans associated with these management strategies;
- A review of the wellhead and source water protection evaluation program and Tonka Bay's alternative water supply contingency strategy.

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Data elements were collected and interpreted, and then impacts of changes in land and water use were assessed.

The vulnerability assessment for the aquifers within the DWSMA was performed using available information and indicates that the vulnerability of the aquifers used by the system varies from high to low. The results of the aquifer vulnerability assessment determine what types of potential contamination sources must be managed within the DWSMA including:

- Low vulnerability areas – wells
- Moderate vulnerability areas – wells and tanks
- High vulnerability areas – all land uses and potential contaminant sources

Tonka Bay's DWSMA is classified as low vulnerability entirely, thus all action items listed in Part 2 are related to well management and education.

This Plan also includes the following information:

- A review of data elements identified by the Minnesota Department of Health as applicable to the DWSMA.
- Results of an inventory of potential contaminant sources within the DWSMA.
- Review of changes, issues, problems, and opportunities related to the public water supply and the identified potential contaminant sources.
- A discussion of potential contaminant source management strategies and the goals, objectives, and action plans associated with these management strategies.
- A review of the wellhead and source water protection evaluation program and Mahtomedi's alternative water supply contingency strategy.

The goals and objectives of this Plan focus on managing potential contaminant sources within the DWSMA, reducing the potential contaminant pathways to the source water aquifer that may be provided by private wells, educating property owners and water supply users within the DWSMA.

Part 2 was distributed to all impacted local units of government, the Metropolitan Council, as well as the watershed districts and conservation districts wholly or partially within the wellhead protection area on July 16, 2014 for the mandatory 60-day review and comment period. Comments were received by the Metropolitan Council, and are included as reference.

### **Next Steps**

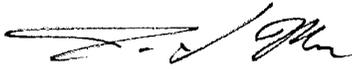
Minnesota Statute 4720.5350, Subd. 4 requires a public hearing on the WHPP P2 prior to submittal to the MDH for final review and adoption. On receipt of the Plan, the MDH will distribute a copy of the Plan to all required agencies. The MDH will have 90 days to review and approve or deny the Plan from the date of submittal. Following final review and adoption by the MDH, staff will bring the Plan back to the City Council for formal adoption.

Thank you for the opportunity to be of service to you. Please feel free to contact me directly at 763-287-8316 with any questions.

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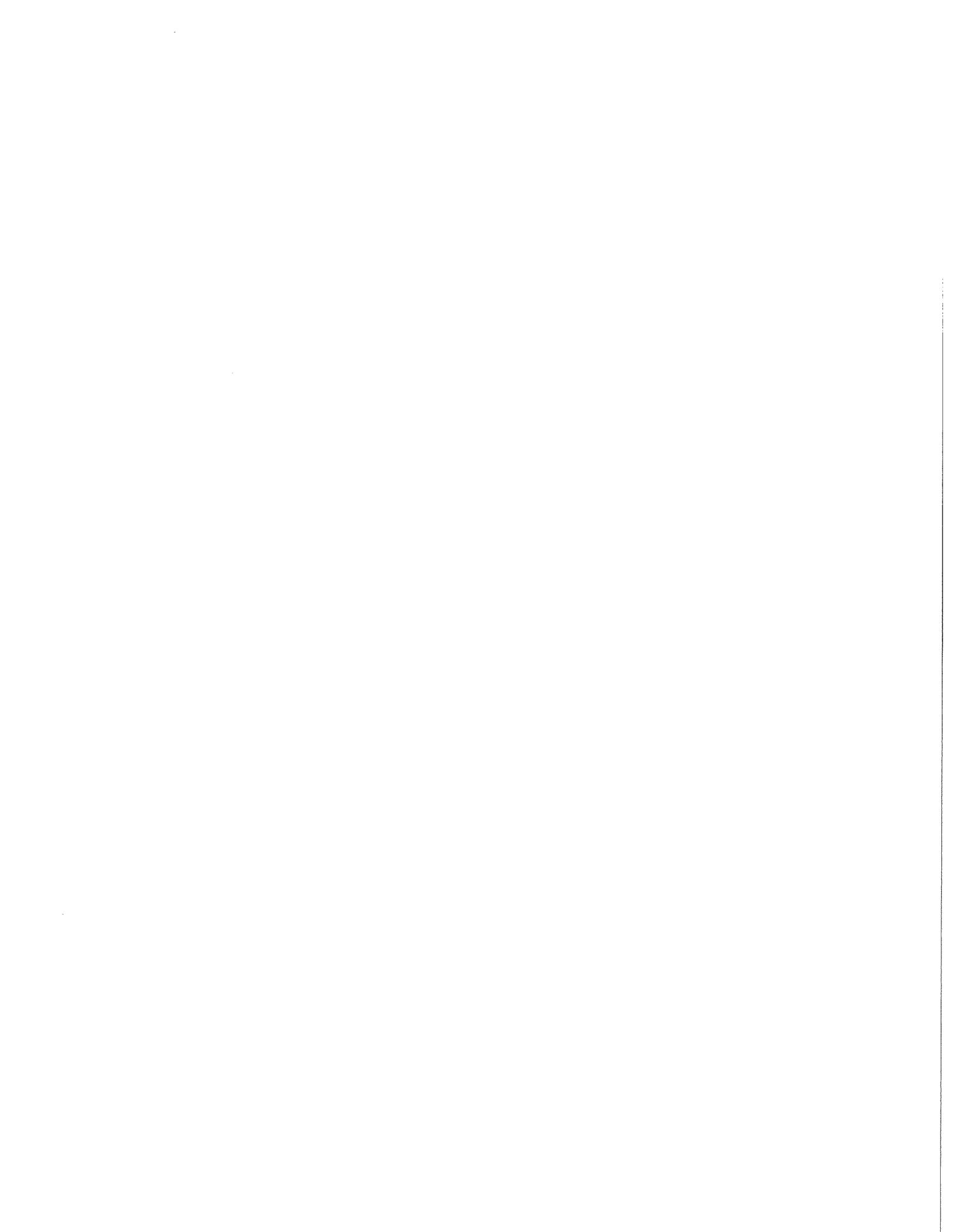
Sincerely,

*WSB & Associates, Inc.*

A handwritten signature in black ink, appearing to read "Justin Messner". The signature is fluid and cursive, with a long horizontal stroke at the beginning.

Justin Messner, PE  
City Engineer

cc: Kelsey Johnson, City Planner  
Leslee Storlie, WSB & Associates, Inc.



**RESOLUTION NO. 14-30**

**A RESOLUTION ACCEPTING PART 2 OF THE CITY OF TONKA BAY'S  
WELLHEAD PROTECTION PLAN FOR SUBMISSION TO THE MINNESOTA  
DEPARTMENT OF HEALTH**

WHEREAS, the City of Tonka Bay is a municipal corporation, organized and existing under the laws of the State of Minnesota; and

WHEREAS, the City Council of the City of Tonka Bay has completed developing its Wellhead Protection Plans pursuant to the requirements of Minnesota Rules 4720.5100 to 4720.5590; and

WHEREAS, the goal of the Wellhead Protection Plan is to prevent human-caused contaminants from entering the water supply wells and to protect all who use the water supply from adverse health effects associated with groundwater contamination; and

WHEREAS, Part I of the Wellhead Protection Plan is a technical exercise that uses ground water modeling to delineate the wellhead protection area (WHPA), Drinking Water Source Management Area (DWSMA) and includes a well and aquifer vulnerability assessment; and

WHEREAS, Part 1 was developed and approved by the Minnesota Department of Health in June of 2011; and

WHEREAS, Part 2 of the Wellhead Protection Plan describes how the results of the Part 1 can be applied to best protect a community's water supply, through the evaluation of several data elements, including physical environment, land use, public utilities, water quantity and water quality, an inventory of potential contaminants, and the preparation of a management portion of the plan; and

WHEREAS, a public hearing was held, as required by Minnesota Rules (part 4720.5350, subpart 4) on September 23, 2014 for review of Part 2 prior to submittal to the Minnesota Department of Health for approval; and

NOW THEREFORE BE IT RESOLVED, by the City Council of the City of Tonka Bay that Part 2 of the Wellhead Protection Plan is accepted for submittal to the Minnesota Department of Health for approval.

PASSED AT A REGULAR MEETING of the Tonka Bay City Council this  
day of \_\_\_\_\_, 2014.

Motion introduced by \_\_\_\_\_ and seconded by \_\_\_\_\_.

Roll call vote:

Ayes –

Nays –

Absent –

\_\_\_\_\_  
Gerry De La Vega, Mayor

ATTEST:

\_\_\_\_\_  
Joseph Kohlmann, Clerk/Administrator