



PRYDE SCHROPP McCOMB INC.

August 29, 2002
File: 30034

Municipality of Kincardine
Administration and Finance Office
1475 Concession 5
R.R. #5
Kincardine, ON N2Z 2X6

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Attention: Mr. Sandy Donald

Dear Mr. Donald:

**Reference: Shoreline/Tiverton Water Supply Class EA
June 13, 2002 Deputation - Study Team Questions**

Further to the questions provided in your June 13, 2002 deputation, we have provided the following responses. For convenience we have used the same numbering and notation in our responses as provided in your June 13, 2002 deputation questions.

1. The options and the associated costs per household suggested in question were considered in the Shoreline/Tiverton Water Supply Class Environmental Assessment (Class EA) Phase 1 & 2 Study Report and Master Plan (Study Report) document circulated to Municipality of Kincardine Council on August 16, 2002. Reference to specific pages in the Study Report for each Question 1 bullet are provided below as required:
 - P. 5.3 discusses details of the Minimum Requirements alternative, including the Tiverton stands alone with upgrades to wells. P. 2.6 discusses the costs to upgrade and operate the Tiverton wells.
 - Several alternatives were considered where water is supplied to Tiverton from Kincardine. The applicable alternatives are 4A, 4C and 4E. These alternatives are discussed in detail in Chapter 5.0 of the Study Report and costs are provided on P. 5.20.
 - The cost to distribute water to Inverhuron Provincial Park from Tiverton has been estimated at \$720,000 (pipeline and appurtenances only).
 - See previous bullet.
 - The cost to distribute water to Inverhuron Provincial Park sized to service residents of Inverhuron is \$950,000 (pipeline and appurtenances only).

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2. The required Drinking Water Protection Regulation (DWPR) upgrades at the Kincardine Water Treatment Plant (WTP) are largely addressed in the Study Report. Reference to specific pages in the Study Report for each Question 1 bullet are provided below as required:
 - Required DWPR Kincardine WTP upgrades are discussed on P. 2.1.
 - See previous bullet.
 - All costs associated with the Kincardine WTP upgrades are expected to be funded out of water reserves for that facility.
 - All work must be complete according to the DWPR legislation by July 1, 2003.
3. Grant money under OSTAR is available for a pipeline project.
4. The Study Team has not been approached by developers regarding any of the solutions for this project.
5. See question 1 response.
6. See question 1 response.
7. See question 2 response.
8. See question 2 response.
9. The well life span is difficult to predict, however, for wells drilled in limestone aquifers, typically require major maintenance every 6-12 years due to fissure plugging by clay, silt and carbonate scale.
10. The estimated cost to drill another well and Tiverton and connect to the existing distribution system is approximately \$150,000.
11. See Page 5.20 of the Study Report for cost comparison of alternative solutions in tabular form.
12. Contact Jim O'Rourke directly regarding this question on hiring of the Consulting Engineer for the Class EA Study.
13. See P. 6.11 of the Study Report regarding the approved financing option for this project.
14. The Tiverton water supply does not presently meet the DWPR, however, following required upgrades detailed in the new Consolidated Certificate of Approval for the Tiverton system, the Tiverton water supply will meet all regulatory requirements for drinking water in the Province of Ontario.
15. See response to question 14 and insert Kincardine for Tiverton.

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16. Inverhuron Provincial Park is in the Study Area for this Class EA as discussed on P. 1.3 of the Study Report.
17. See Chapter 6.0 of the Study Report – Water Servicing Master Plan.
18. Information regarding this project has been available on the Municipality of Kincardine website (www.kincardine.net) since the issuance of the Notice of Commencement in March 2002.
19. The Study Report clearly explains all terms used throughout the Class EA process.
20. All meeting minutes, newsletters, notices and technical memos have been posted on the website detailed in response to question 18.
21. See responses to question 20.
22. Water supply is not in Parks Ontario's core line of business, and where feasible, Ontario Parks obtain water from a local or regional municipal water supply.
23. Numerous municipal water systems supply water to Provincial Parks in Ontario. The Town of Saugeen Shores, for example, is presently in the process of installing watermain to MacGregor Point Provincial Park to supply the Park with a municipal supply of water.
24. For the Water Servicing Master Plan, a new standpipe will not be required. There is sufficient storage at the Kincardine WTP and in the Kincardine Stand Pipe to supply water to the expanded Study Area. The Tiverton Stand Pipe will be maintained in Tiverton to supply water to residents of Tiverton.
25. Tiverton will not be supply Inverhuron Provincial Park under the recommended Water Servicing Master Plan detailed in the Study Report.
26. Water system users in Kincardine pay \$104 annually to municipal water reserves. It is the intention of the Municipality institute the same annual water reserve in the rest of the Service Area over the next year.
27. The Class EA process is legislated under the Ontario Environmental Assessment Act, R.S.O. 1990, Chapter E.18, as amended (known as the EA Act).

If you have any questions, please do not hesitate to contact the undersigned.

Sincerely,

PRYDE SCHROPP McCOMB, INC.

Brad R. Pryde, P.Eng.
President

c: Mr. Jim O'Rourke, Municipality of Kincardine
Mr. Jim Hartman, P. Eng., Stantec Consulting Inc.