APPENDIX J

PUBLIC COMMENTS AND RESPONSES

GUEST COMMENT SHEET

PUBLIC INFORMATION SESSION

PROPOSED HALIBURTON SEWAGE TREATMENT PLANT EXPANSION

WE WELCOME YOUR INPUT DURING THIS INFORMATION SESSION. YOUR INPUT AND COMMENTS WILL BE FILED AND USED DURING THE DEVELOPMENT OF THE FINAL SOLUTION.

Public meeting of July 9, 1993 was non-productive in that one person, John Puffer, was allowed to force opinions and waste time. There should be more input from Dysart ratepayers and more emphasis on the Michalski report. Testing of outdated cottage septic systems which cause more than 50% of the pollution problem should be speeded up.

MOST IMPORTANT INFORMATION for the next public meeting is a comparison of costs of the various options available in the sewage treatment plant expansion. WE NEED TO KNOW THIS - both CAPITAL and OPERATING costs.

PLEASE PROVIDE YOUR NAME, ADDRESS AND TELEPHONE NUMBER BELOW. THIS INFORMATION WILL ASSIST US SHOULD WE NEED TO CONTACT YOU IN THE FUTURE. **(PLEASE PRINT)**

NAME: Stan and Dorothy Baker

ADDRESS: R R #2 Haliburton Ontario K0M 1S0

TELEPHONE NO. 457-1989

PLEASE LEAVE THIS SHEET ON YOUR WAY OUT/OR MAIL IT TO THE MUNICIPALITY OF DYSART BOX 389, HALIBURTON, ONT. K0M 1S0.

PANEL 2

Consulting Engineers

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November 18, 1993 Reference No. 4881

Mr. & Mrs. Baker
R.R. #2
Haliburton, Ontario K0M 1S0

Dear Mr. & Mrs. Baker:

Re: Haliburton Sewage Treatment Plant Expansion

Thank you for your attendance at the July 9 and September 3, 1993 Public Information Sessions for the above project. Your comment sheet from the July 9 session, a copy of which is attached for your reference, has been reviewed and we offer the following comments to address your concerns.

Input from Dysart ratepayers is an important and necessary component to the Class Environmental Assessment process. The two Public Information Sessions conducted July 9 and September 3, 1993 were held with the objective of informing the public of the project and its direction and to provide the opportunity for public input and involvement in the planning process.

As indicated by the Ministry of the Environment & Energy (MOEE) representative at the Public Information Session, the testing of private septic systems is the responsibility of the local health unit and is limited to biological parameters for human health and safety.

The comparison of capital and operating costs associated with the plant expansion alternatives were presented at the September 3rd meeting. These figures are being used to select the preferred alternative and allow the municipality to assess financial considerations.

We value your comments and interest in this project and invite you to contact the undersigned if you have any questions.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Craig D. Hebert, P. Eng.

CDH/pw
Encl.
c.c. D. McCallum, Dysart et al.

GUEST COMMENT SHEET

PUBLIC INFORMATION SESSION

PROPOSED HALIBURTON
SEWAGE TREATMENT PLANT EXPANSION

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Unfortunately, the session leader dealt with process rather than problems and alternate solutions. As the "information session" did not reveal conclusions from the various studies, an opportunity for positive input was lost.

Water quality is unsatisfactory today, and this lake is critical to those downstream.

After four years of study and further deterioration of water quality, we must move more quickly to a solution which will improve water quality and allow for future extension of services.

(Public education, perhaps with tax notices could help)

PLEASE PROVIDE YOUR NAME, ADDRESS AND TELEPHONE NUMBER BELOW. THIS INFORMATION WILL ASSIST US SHOULD WE NEED TO CONTACT YOU IN THE FUTURE. **(PLEASE PRINT)**

NAME: JACK TROTT

ADDRESS: 10-1610 CRAWFORTH ST
WHITBY, ONT L1N 9B1
(SOUTH KASHAGAWIGAMOG LAKE RD)

TELEPHONE NO. (416)721-0056 457-1915

PLEASE LEAVE THIS SHEET ON YOUR WAY OUT/OR MAIL IT TO THE MUNICIPALITY OF DYSART BOX 389, HALIBURTON, ONT. K0M 1S0.

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November 18, 1993 Reference No. 4881

Mr. J. Trott
10-1610 Crawforth St.
Whitby, Ontario
L1N 9B1

Dear Mr. Trott:

Re: Haliburton Sewage Treatment Plant Expansion

Thank you for your attendance at the July 9, 1993 Public Information Sessions for the above project. Your comment sheet, a copy of which is attached for your reference, has been reviewed and we offer the following comments to address your concerns.

The planning and design process under the Class Environmental Assessment procedures sets specific requirements for public input and comment periods. In addition, the project status and available funding from the provincial government requires a very aggressive schedule, including awarding a construction contract by March 31, 1994.

The recent work completed regarding lake water quality indicates that the quality of the lake chain will decrease if no expansion takes place. This further emphasizes the urgency of this project.

Two Public Information Sessions were conducted on July 9 and on September 3, 1993. The July session was held to inform the public of the project status, the EA process, and to identify the work and studies that had been undertaken since the original ESR was filed. The September session was held to present the preferred solution in conjunction with water quality data evaluation. Both sessions were held with the objective of informing the public of the project and its direction, and to provide the opportunity for public input and involvement in the planning process.

The recommended preferred solution, in our opinion, addresses the water quality concerns and allows for future expansion of the treatment plant and extension of the sewer system.

November 18, 1993 Reference No. 4881

We value your comments and interest in this project and invite you to contact the undersigned if you have any questions.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Craig D. Hebert, P. Eng.

CDH/pw

Encl.

c.c. D. McCallum, Dysart et al.

GUEST COMMENT SHEET

PUBLIC INFORMATION SESSION

PROPOSED HALIBURTON
SEWAGE TREATMENT PLANT EXPANSION

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MUST BE - ECONOMICALLY
- TECHNICALLY
- OPERATIONAL
FEASIBLE

SHOULD BE A PHASED DEVELOPMENT
1) NEW PLANT TO PROVIDE FOR PLANNED/ESTIMATED EXPANSION HOOK-UPS
2) EXPANSION/HOOK-UPS IN STAGES.

PLEASE PROVIDE YOUR NAME, ADDRESS AND TELEPHONE NUMBER BELOW. THIS INFORMATION WILL ASSIST US SHOULD WE NEED TO CONTACT YOU IN THE FUTURE. **(PLEASE PRINT)**

NAME: J.G. STRICKLAND

ADDRESS: 26 ABBEVILLE RD
SCARBORO ONT.
M1H 1Y3

TELEPHONE NO. 438-1877- HOME
284-2305 - OFFICE

PLEASE LEAVE THIS SHEET ON YOUR WAY OUT/OR MAIL IT TO THE MUNICIPALITY OF DYSART BOX 389, HALIBURTON, ONT. K0M 1S0.

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November 18, 1993

Reference No. 4881

Mrs. J.G. Strickland
26 Abbeville Road
Scarborough, Ontario
M1H 1Y3

Dear Mrs. Strickland:

Re: Haliburton Sewage Treatment Plant Expansion

Thank you for your attendance at the September 3, 1993 Public Information Session for the above project. Your comment sheet, a copy of which is attached for your reference, has been reviewed and we offer the following comments to address your concerns.

The selection of the preferred alternative and the design of the proposed expansion is based on an evaluation of several factors, including environmental, economic and operating costs and benefits. The provincial funding component also ensures that the Ministry of the Environment & Energy (MOEE) will be reviewing the proposed design carefully, with these factors in mind.

The proposed expansion of the treatment plant will likely be phased, to be compatible with available funding resources and the growth needs of the municipality.

We value your comments and interest in this project and invite you to contact the undersigned if you have any questions.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Craig D. Hebert, P. Eng.

CDH/pw
Encl.

c.c. D. McCallum, Dysart et al.

4331

GUEST COMMENT SHEET

PUBLIC INFORMATION SESSION

PROPOSED HALIBURTON
SEWAGE TREATMENT PLANT EXPANSION

WE WELCOME YOUR INPUT DURING THIS INFORMATION SESSION. YOUR INPUT AND COMMENTS WILL BE FILED AND USED DURING THE DEVELOPMENT OF THE FINAL SOLUTION.

Please send a copy of the Hutchinson Report. Thanks. & Presentation Matter

PLEASE PROVIDE YOUR NAME, ADDRESS AND TELEPHONE NUMBER BELOW. THIS INFORMATION WILL ASSIST US SHOULD WE NEED TO CONTACT YOU IN THE FUTURE. **(PLEASE PRINT)**

NAME: Jim Joseph

ADDRESS: 7247 Danton Promenade
Mississauga Ont.
L5N 5B3

TELEPHONE NO. 1 416 824 3846 Cottage 286 1084

PLEASE LEAVE THIS SHEET ON YOUR WAY OUT/OR MAIL IT TO THE MUNICIPALITY OF DYSART BOX 389, HALIBURTON, ONT. K0M 1S0.

PANEL 2

FILE COPY

CRA
Consulting Engineers

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August 9, 1993

Reference No. 4881

Mr. Jim Joseph
7247 Danton Promenade
Mississauga, Ontario
L5N 5B3

Dear Mr. Joseph:

Re: Haliburton Sewage Treatment Plant Expansion

At the July 9, 1993 Public Information Session regarding the above project, you requested a copy of the Ministry of Environment and Energy's phosphorous modelling report and a copy of the handout materials. Enclosed are the materials you requested.

We thank you for your interest in this project and invite you to call if you have any questions.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Craig D. Hebert, P. Eng.

CDH/af/1

Encl.

c.c. D. McCallum, Dysart et al.

GUEST COMMENT SHEET

PUBLIC INFORMATION SESSION

SEPTEMBER 3, 1993
PROPOSED HALIBURTON
SEWAGE TREATMENT PLANT EXPANSION

WE WELCOME YOUR INPUT DURING THIS INFORMATION SESSION. YOUR INPUT AND COMMENTS WILL BE FILED AND USED DURING THE DEVELOPMENT OF THE FINAL SOLUTION.

I am encouraged that today's technology is able to reduce the phosphorous load to 0.85 mg/l. I believe we should pay the extra money to take advantage of the best available technology. My remaining concern is that there should be downstream monitoring of the effects of the increased effluent in case the "" double loading" effect" exceeds the estimated model. Arriving at full capacity should thus be conditional on no further deterioration of water quality. Development should occur therefore in carefully planned stages as the water improves.

PLEASE PROVIDE YOUR NAME, ADDRESS AND TELEPHONE NUMBER BELOW. THIS INFORMATION WILL ASSIST US SHOULD WE NEED TO CONTACT YOU IN THE FUTURE. (PLEASE PRINT)

NAME: GLEN CARTER
ADDRESS: RR #2
HALIBURTON

TELEPHONE NO. 457-2862

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Finally, I would like to mitigate the almost inevitable urbanization of the lake shoreline serviced by the pipeline through site specific zoning by-laws so that the lakes do not lose their natural cottage-like character in favour of the high density strip or resort development (on the shore of Lake of Bays in Huntsville for example)

Conestoga-Rovers & Associates

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November 18, 1993

Reference No. 4881

Mr. Glen Carter
R. R. #2
Haliburton, Ontario K0M 1S0

Dear Mr. Carter:

Re: Haliburton Sewage Treatment Plant Expansion

Thank you for your attendance at the July 9 and September 3, 1993 Public Information Sessions for the above project. Your comment sheet, a copy of which is attached for your reference, has been reviewed and we offer the following comments to address your concerns.

Downstream water quality monitoring will likely be required as a condition of approval from the Ministry of the Environment and Energy. It is important to note, however, that improvements in lake water quality will only be possible if the contributions from lake shore septic tile beds are removed.

The proposed expansion of the Treatment Plant will likely be phased, to be compatible with available funding resources and the growth needs of the municipality. With the construction of the initial plant expansion the effluent phosphorus discharge criteria will be reduced from the current level of 0.5 mg/l to 0.1 mg/l and with the ultimate plant expansion scenario to 0.05 mg/l. Water quality will be maintained with improved treatment technology and by expanding the sewer collection area. The projected growth figures and development densities have been provided by the municipality as a result of community planning, and the direction of Council.

We value your comments and interest in this project and invite you to contact the undersigned if you have any questions.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Craig D. Hebert, P. Eng.

CDH/pw/2
Encl.
c.c. D. McCallum, Dysart et al.

4381

GUEST COMMENT SHEET

PUBLIC INFORMATION SESSION

PROPOSED HALIBURTON
SEWAGE TREATMENT PLANT EXPANSION

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. I do not feel "maintaining" water quality in Grass Lake is good enough - it should be improved - it has been deteriorating. Grass Lake should not be sacrificed for improved conditions downstream - water quality should be IMPROVED in the chain - if effluent continues to be pumped into Grass - "something" negative will happen ie: a breakdown - overflow - as in the past effluent should be moved "elsewhere". Downstream monitoring should be a necessity

PLEASE PROVIDE YOUR NAME, ADDRESS AND TELEPHONE NUMBER BELOW. THIS INFORMATION WILL ASSIST US SHOULD WE NEED TO CONTACT YOU IN THE FUTURE. **(PLEASE PRINT)**

NAME: Dawn Bronman
ADDRESS: Box 971
Haliburton
K0M 1S0
TELEPHONE NO. 457-2143

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PANEL 2

#4881 SEP 13 1993

GUEST COMMENT SHEET

PUBLIC INFORMATION SESSION

SEPTEMBER 3, 1993
PROPOSED HALIBURTON
SEWAGE TREATMENT PLANT EXPANSION

WE WELCOME YOUR INPUT DURING THIS INFORMATION SESSION. YOUR INPUT AND COMMENTS WILL BE FILED AND USED DURING THE DEVELOPMENT OF THE FINAL SOLUTION.

My position - in spite of your presentation - is - effident (no matter how much improved) - increased volume - should NOT be pumped into the shallow, already deteriorating Grass Lake.

- your preferred option - Option 8 - does not gaurantee "good health" for Grass Lake. You state "grass Lake will be slightly impacted" - it's been my experience that if you regularly, negatively impact - "something - however "slightly" - over time it shows signs

PLEASE PROVIDE YOUR NAME, ADDRESS AND TELEPHONE NUMBER BELOW. THIS INFORMATION WILL ASSIST US SHOULD WE NEED TO CONTACT YOU IN THE FUTURE. **(PLEASE PRINT)**

NAME: Dawn Brohman
ADDRESS: Box 971
Haliburton, Ont
K0M 1S0
TELEPHONE NO. 705 457 2143

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of breakdown - the effect is cumulative!

In tiny print at the bottom of Table II - you state your projections for phosphorous loading - for option 8 - are "interpolated figures"

- figures that are "computed" - through a set mathmatical procedure - in a compute
- interpolations can be done in a variety of mathmatical ways using a variety of mathmatical angles - they are not reality
- the computer operator who "worked" those figures was not concerned with changing water levels, hot dry summers, spills or human error

— From your cautious wording I believe you recognize the element of risk to the Lake.

— in your use of language you've covered yourselves in case - in the future - anyone ever accuses you of misinforming the public.

It allows you to say to the angry resident - with the sick lake - 20 years down the road = "we warned you - slight impact - over time - means deterioration"

- "interpolation - meant guesswork within the Best of our computer ability"

- your muted terminology of slight impact" and "interpolated figures" - also gives the individual eager to get on with the most necessary job" - peace of mind and encouragement.

Its too risky for me - a resident of grass Lake - who watches the water every day - and knows how small and fragile the water body is

I applaud your efforts in trying to find an option that improves water quality in the Lake (grass).

I encourage you to seek a preferred option - where you can unequivocally state that it does not offer the possibility of negative impact on Grass Lake or any part of the Watershed.

CRA
Consulting Engineers

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November 18, 1993

Reference No. 4881

Ms. Dawn Brohman
P.O. Box 971
Haliburton, Ontario K0M 1S0

Dear Ms. Brohman:

Re: Haliburton Sewage Treatment Plant Expansion

Thank you for your attendance at the July 9 and September 3, 1993 Public Information Sessions for the above project. Your comment sheets, copies of which is attached for your reference, have been reviewed and we offer the following comments to address your concerns.

The water quality in Grass Lake will improve over existing conditions, with the proposed alternative. A major contributor to phosphorous loading to Grass Lake is the flow from the Drag River and lakes upstream. The expansion of the treatment plant, with the reduced effluent criteria, is predicted to reduce the phosphorous concentration in Grass Lake and downstream over the long term. This improvement is most significant when compared to the predicted water quality deterioration in Grass Lake if the treatment plant is not expanded (ie. do nothing).

Relocating the outlet from the Drag River has a minor effect on Grass Lake, due to the relatively larger phosphorous load moving down the lake chain from above the outfall.

In an effort to ease your concerns regarding the phrases "interpolated figures" and "slight impact", we must explain the context in which they were used. The data presented on Table 2 of the material presented at the September 3 meeting indicated that phosphorus concentrations for Alternative 8 were interpolated values. This is true, and was necessary since Alternative 8 was note explicitly modelled in the MOEE water quality studies, from which all these data were taken. From Alternative 5, which is the alternative that discharges to the Burnt River, bypassing the lake chain entirely, we see that the predicted long term phosphorus concentration in Grass Lake is 10.4 µg/L. From Alternative 1, which discharges 0.2 mg/L phosphorus to the Drag River, we see that the predicted longterm phosphorus concentration is 12.4 µg/L. As expected, the predicted concentration in Grass Lake is higher when the treatment plant discharges effluent with a phosphorus concentration of 0.2 mg/L than it is with no discharge at all. To determine the predicted concentrations resulting from Alternative 8, with a discharge concentration of 0.05 mg/L, it was necessary to simply interpolate linearly between 10.4 mg/L and 12.4 mg/L. The result is 10.9 mg/L, as was presented on Table 2.

November 18, 1993 Reference No. 4881

The reference to "slight impact" appears on Table 3 of the handout material regarding Alternative 8. This comment was intended to indicate that Alternative 8 has a slight impact on Grass Lake when compared to other alternatives. Again referring to Table 2 of the handout material, Alternatives 4, 5, 6 and 7 result in a predicted phosphorus concentration of 10.4 µg/L in Grass Lake. These alternatives discharge downstream of Grass Lake therefore they result in the lowest possible concentrations that could be achieved. Alternative 8 yields a predicted phosphorus concentration of 10.9 µg/L, as explained above, which is the second lowest phosphorus concentration predicted among the alternatives. The difference between 10.4 µg/L and 10.9 µg/L is considered to be a "slight impact" when compared to Alternatives 1, 2, 3 and "do-nothing", which yield much higher predicted concentrations.

It is important to point out that all of the alternatives considered offer a significant improvement in water quality in all lakes, including Grass Lake, when compared to existing conditions and the "do-nothing" alternatives. However, the improvements in lake water quality will only be possible if the contributions from lake shore septic tile beds is removed.

In addition, downstream water quality monitoring will likely be required as a condition of approval from the Ministry of the Environment & Energy (MOEE).

We trust this addresses your concerns.

We value your comments and interest in this project and invite you to contact the undersigned if you have any questions.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Craig D. Hebert, P. Eng.

CDH/pw

Encl.
c.c. D. McCallum, Dysart et al.